

NOTE: EPA proposes the text in this Appendix as part of the Proposed 2020 MSGP.

Proposed Appendix Q – Stormwater Control Measures

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Wood Surface Protection and Preserving Activities	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Extend drip time in process areas before moving material to storage areas.	
<input type="checkbox"/> Pave and berm areas used by equipment that has come into contact with treatment chemicals.	
<input type="checkbox"/> Dedicate equipment that is used for treatment activities to that specific purpose to prevent the tracking of treatment chemicals to other areas.	
<input type="checkbox"/> Locate treatment chemical loading and unloading areas away from high-traffic areas to prevent chemical tracking.	
<input type="checkbox"/> Provide drip pads under conveyance equipment from treatment process areas.	
<input type="checkbox"/> Visually inspect treatment chemical loading and unloading areas frequently during and after activities to identify and clean up any spills or leaks.	
<input type="checkbox"/> Cover and/or enclose treatment areas or apply log treating chemicals on an impervious containment pad.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide containment in treated wood storage areas.	
<input type="checkbox"/> Cover storage areas to prevent contact of treated wood products with precipitation.	
<input type="checkbox"/> Elevate stored, treated wood products to prevent contact with run-on/runoff.	
<input type="checkbox"/> Store freshly treated logs on an impervious containment pad, in a building, or under a roof.	
<input type="checkbox"/> Do not vent volatile or mist-laden exhaust containing log-treating chemicals to the atmosphere without proper collection or filtration.	
<input type="checkbox"/> Inspect processing areas, transport areas, and treated wood storage areas monthly to assess usefulness of practices to minimize the deposit of treatment chemicals on unprotected soils and in areas that will come into contact with stormwater discharges.	
<input type="checkbox"/> Train personnel who perform wood surface protection and preserving activities within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 2: Log, Lumber, and Wood Product Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales, and/or berms. A properly designed vegetated swale can also provide infiltration benefits.	
<input type="checkbox"/> Locate storage areas on stable, well-drained soils with slopes of 2-5 percent to prevent ponding and to convey stormwater leachate to treatment.	
<input type="checkbox"/> Limit slopes to prevent erosion.	
<input type="checkbox"/> Stabilize slopes.	
<input type="checkbox"/> Line storage areas with crushed rock or gravel or porous pavement to promote infiltration, minimize discharge, and provide sediment and erosion control.	
<input type="checkbox"/> Practice good housekeeping measures such as frequent removal of debris, bark, and wood waste. Cleanup methods may include mobile sweepers, scrapers, brow logs, or scoops.	
<input type="checkbox"/> Use properly designed basins for collection, containment, and recycling of log spraying materials.	
<input type="checkbox"/> Use sedimentation measures such as silt fencing to prevent sediment from leaving storage area.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Cover piles to prevent contact with precipitation (use roofs, canopies, soils, sheds, etc.).	
<input type="checkbox"/> For solid wastes, use covered containers such as dumpsters or garbage cans that are durable, corrosion resistant, watertight, and non-absorbent.	
<input type="checkbox"/> For log storage piles, develop a leachate collection system to capture and treat discharges (do not allow leachate to discharge to the storm sewer system).	
<input type="checkbox"/> Sweep the log storage yard on a regular basis.	
<input type="checkbox"/> Train personnel who work in log, lumber, and wood product storage areas within the first week of employment followed by refresher training annually and as needed.	
<input type="checkbox"/> Provide secondary containment for chemical storage areas. If containment structures have drains, ensure that the drains have valves and that valves are maintained in the closed position. Check/test stormwater in containment areas prior to discharge.	
Pollutant Source 3: Residual Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Locate stored residues away from drainage pathways and surface waters.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Avoid contamination of residues with oil, solvents, chemically treated wood, trash, etc.	
<input type="checkbox"/> Limit storage time of residues to prevent degradation and generation of leachates.	
<input type="checkbox"/> Divert stormwater around residue storage areas using vegetated swales and/or berms.	
<input type="checkbox"/> Consolidate piles to minimize surface areas exposed to precipitation.	
<input type="checkbox"/> Spray surfaces with water to reduce wind-blown dust and residue particles.	
<input type="checkbox"/> Place materials on raised pads of compacted earth, clay, shale, or stone, and collect and properly treat contaminated runoff and leachate.	
<input type="checkbox"/> Cover and/or enclose stored residues to prevent contact with precipitation using silos, van trailers, sheds, roofs, buildings, or tarps.	
<input type="checkbox"/> Limit slopes of storage areas to minimize velocities of runoff that may transport residues. Keep slopes stabilized.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use check dams in drainage ways.	
<input type="checkbox"/> Use steel or plastic drums that are rigid and durable, corrosion resistant, non-absorbent, watertight, and equipped with a close fitting cover.	
<input type="checkbox"/> Train personnel who perform residuals management within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 4: Materials Handling and Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 5: Vehicle and Equipment Fueling Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling,, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 6: Vehicle and Equipment Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 7: Vehicle and Equipment Storage and Parking	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	

Stormwater Control Measures: Sector A – Timber Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Loading and Unloading Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways.	
<input type="checkbox"/> Cover storage areas with a roof or tarp.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage.	
<input type="checkbox"/> Store materials on concrete pads to allow for cleanup of spills or leaks.	
<input type="checkbox"/> Expedite recycling process for exposed scrap paper.	
<input type="checkbox"/> Develop and implement spill plans.	
<input type="checkbox"/> Collect dust and debris where cyclones are utilized.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train employees who do loading/unloading in spill prevention and control within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 2: Log, Lumber, and Wood Product Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms. A properly designed vegetated swale can also provide infiltration benefits.	
<input type="checkbox"/> Locate storage areas on stable, well-drained soils with slopes of 2–5 percent to prevent ponding and to convey stormwater leachate to treatment.	
<input type="checkbox"/> Limit slopes to prevent erosion.	
<input type="checkbox"/> Stabilize slopes.	
<input type="checkbox"/> Line storage areas with crushed rock or gravel or porous pavement to promote infiltration, minimize discharge, and provide erosion and sediment control.	
<input type="checkbox"/> Practice good housekeeping measures such as frequent removal of debris, bark, and wood waste. Cleanup methods may include mobile sweepers, scrapers, brow logs, or scoops.	
<input type="checkbox"/> Use properly designed basins for collection, containment, and recycling of log spraying materials.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use sedimentation measures such as silt fencing to prevent sediment from leaving storage area.	
<input type="checkbox"/> Cover piles to prevent contact with precipitation (use roofs, canopies, soils, sheds, etc.).	
<input type="checkbox"/> For solid wastes, use covered containers such as dumpsters or garbage cans that are durable, corrosion resistant, leak-proof, and non-absorbent.	
<input type="checkbox"/> For log storage piles, develop a leachate collection system to capture and treat discharges (do not allow leachate to discharge to the storm sewer system).	
<input type="checkbox"/> Sweep the log storage yard on a regular basis.	
<input type="checkbox"/> Train personnel who work in log, lumber, and wood product storage areas within the first week of employment followed by refresher training annually and as needed.	
<input type="checkbox"/> Provide secondary containment for chemical storage areas. If containment structures have drains, ensure that the drains have valves, and that valves are maintained in the closed position. Check/test stormwater in containment areas prior to discharge.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 3: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 4: Vehicle and Equipment Fueling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 5: Vehicle and Equipment Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 6: Vehicle and Equipment Storage and Parking Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	

Stormwater Control Measures: Sector B – Paper and Allied Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

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Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Manufacturing Process Components	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use curbing, dikes, and gutters to contain and collect spills.	
<input type="checkbox"/> Keep spill cleanup materials readily available.	
<input type="checkbox"/> Clean up spills and leaks immediately.	
<input type="checkbox"/> Use dry cleanup methods where appropriate. Sweep up absorbents as soon as spilled substances have been absorbed.	
<input type="checkbox"/> Develop and implement spill prevention, control, and countermeasure (SPCC) plans.	
<input type="checkbox"/> Train personnel who perform manufacturing tasks on appropriate SCMs within first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 2: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining

SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 3: Vehicle and Equipment Fueling Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling,, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining

SCMs	Reason Why Inappropriate / Not Done
<p>Pollutant Source 4: Vehicle and Equipment Maintenance</p> <p>Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)</p>	
<p>Good Housekeeping</p>	
<p><input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.</p>	
<p><input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.</p>	
<p><input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.</p>	
<p><input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.</p>	
<p><input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.</p>	
<p><input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.</p>	
<p><input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.</p>	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining

SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 5: Vehicle and Equipment Storage and Parking Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	

Stormwater Control Measures: Sector C – Chemical and Allied Products Manufacturing and Refining	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

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Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Manufacturing Process Components	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use curbing, dikes, and gutters to contain and collect spills.	
<input type="checkbox"/> Keep spill cleanup materials readily available.	
<input type="checkbox"/> Clean up spills and leaks immediately.	
<input type="checkbox"/> Use dry cleanup methods where appropriate. Sweep up absorbents as soon as spilled substances have been absorbed.	
<input type="checkbox"/> Develop and implement spill prevention, control, and countermeasure (SPCC) plans.	
<input type="checkbox"/> Train personnel who perform manufacturing tasks on appropriate SCMs within first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 2: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 3: Vehicle and Equipment Fueling Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling,, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers

SCMs	Reason Why Inappropriate / Not Done
<p>Pollutant Source 4: Vehicle and Equipment Maintenance</p> <p>Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)</p>	
<p>Good Housekeeping</p>	
<p><input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.</p>	
<p><input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.</p>	
<p><input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.</p>	
<p><input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.</p>	
<p><input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.</p>	
<p><input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.</p>	
<p><input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.</p>	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 5: Vehicle and Equipment Storage and Parking	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	

Stormwater Control Measures: Sector D – Asphalt Paving and Roofing Materials, Manufacturers, and Lubricant Manufacturers	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

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Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Bulk Materials Handling – Sand, Gravel, Clay, Cement, Fly Ash, Kiln Dust, and Gypsum	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use dust collection systems (e.g., bag houses) to collect airborne particles generated as a result of materials handling operations.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and settled dust from paved portions of the facility by shoveling and sweeping on a regular basis.	
<input type="checkbox"/> Periodically clean material handling equipment and vehicles to remove accumulated dust and residue.	
<input type="checkbox"/> Install sediment basins, silt fencing, vegetated filter strips, or other sediment removal measures downstream/ downslope.	
<input type="checkbox"/> Train employees responsible for handling bulk materials within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 2: Mixing Operations	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use dust collection systems (e.g., bag houses) to collect airborne particles generated as a result of mixing operations.	
<input type="checkbox"/> Remove spilled material and settled dust from the mixing area by shoveling and sweeping on a regular basis.	
<input type="checkbox"/> Clean exposed mixing equipment after mixing operations are complete. Install sediment basins, silt fencing, vegetated filter strips, or other sediment removal measures downstream/downslope.	
<input type="checkbox"/> Train employees responsible for mixing operations within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 3: Dust Collection	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Inspect and maintain baghouses at least once per month.	
<input type="checkbox"/> Regularly remove and recycle or dispose of collected dust to minimize exposure to precipitation.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 4: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 5: Vehicle and Equipment Fueling Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling,, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
<p>Pollutant Source 6: Vehicle and Equipment Maintenance Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)</p>	
Good Housekeeping	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 7: Vehicle and Equipment Storage and Parking	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	

Stormwater Control Measures: Sector E – Glass, Clay, Cement, Concrete, and Gypsum Production Manufacturing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

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Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Metal Product Storage - Foundry Returns, Scrap Metal, Turnings, Fines, Ingots, Bars, Pigs, Wire	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from surface waters.	
<input type="checkbox"/> Provide temporary cover (e.g., tarps) for the storage area.	
<input type="checkbox"/> Minimize material storage through effective inventory and shipping controls.	
<input type="checkbox"/> Minimize run-on from adjacent properties using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Stabilize areas with exposed soil using diversion dikes, berms, curbing, concrete pads, etc.	
Pollutant Source 2: Storage and Handling of Fluxes	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Visually inspect treatment chemical loading and unloading areas frequently during and after activities to identify and clean up any spills or leaks.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Cover and/or enclose treatment areas or apply log treating chemicals on an impervious containment pad.	
Pollutant Source 3: Coke and Coal Storage Piles, Bins, and Material Handling Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from surface waters.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
<input type="checkbox"/> Where possible store coke and coal under cover, indoors, or with other structures to prevent wind-blown losses.	
<input type="checkbox"/> Use control measures such as berms, silt fencing, or waddles to prevent sediment from leaving storage area.	
<input type="checkbox"/> Practice good stockpiling practices such as storing materials on concrete or asphalt pads and/or surrounding stockpiles using diversion dikes or curbs to limit run-on and to slow runoff.	
<input type="checkbox"/> Trap particulates originating in coke or coal storage/handling areas with filter fabric fencing, gravel outlet protection, sediment traps, vegetated swales, buffer strips of vegetation, catch-basin filters, retention/detention basins, or equivalent.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Minimize quantities of coke or coal stored on site through implementation of effective inventory control.	
<input type="checkbox"/> Practice good housekeeping measures such as frequent removal of dust and debris. Cleanup methods may include mobile sweepers, scrapers, or scoops.	
<input type="checkbox"/> Use properly designed basins for collection, containment, and recycling of pile spraying materials.	
<input type="checkbox"/> Train applicable employees in good housekeeping measures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 4: Storage and Handling of Casting Sand	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from surface waters.	
<input type="checkbox"/> Store raw sand in silos or covered hoppers or store indoors whenever possible.	
<input type="checkbox"/> Cover storage pile with tarps or awning.	
<input type="checkbox"/> Practice good stockpiling practices such as storing materials on concrete or asphalt pads and/or surrounding stockpiles using diversion dikes or curbs to limit run-on and to slow runoff.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Install sediment basins, silt fencing, vegetated filter strips, or other sediment removal measures downstream/ downslope.	
<input type="checkbox"/> Minimize quantities of sand stored on site through implementation of effective inventory control.	
Pollutant Source 5: Slag or Dross Stored or Disposed of in Piles or Drums	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from surface waters.	
<input type="checkbox"/> Store slag and dross indoors, under cover, or in sealed containers.	
<input type="checkbox"/> Establish regular disposal of slag or dross to minimize quantities stored and handled on site.	
<input type="checkbox"/> Minimize run-on to slag storage areas using diversion dikes, berms, curbing, or vegetated swales.	
<input type="checkbox"/> Trap particulates originating in slag storage areas with silt fencing, gravel outlet protection, sediment traps, vegetated swales, buffer strips of vegetation, catch-basin filters, and/or retention/detention basins, or equivalent.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 6: Fly Ash, Particulate Emissions, Dust Collector Sludges and Solids, and Baghouse Dust	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store all dusts and sludge indoors to prevent contact with precipitation or losses due to wind.	
<input type="checkbox"/> Establish regular disposal schedule to minimize quantities stored and handled on site.	
<input type="checkbox"/> Inspect all residue hauling vehicles for proper covering over the load, adequate gate sealing, and overall integrity of the body or container.	
Pollutant Source 7: Storage and Disposal of Waste Sand and Refractory Rubble in Piles	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store piles under cover or tarps whenever possible.	
<input type="checkbox"/> Establish regular disposal schedule to minimize quantities stored on site.	
<input type="checkbox"/> Stabilize areas of waste product storage and perform daily sweeping of area.	
Pollutant Source 8: Scrap Processing Activities (Shredding, etc.)	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Schedule frequent cleaning of accumulated fluids and particulate residue around all scrap processing equipment.	
<input type="checkbox"/> Conduct routine preventive maintenance of equipment per original equipment manufacturer (OEM) recommendations. Replace worn or malfunctioning parts.	
<input type="checkbox"/> Conduct periodic maintenance and clean out of all sumps, oil/water separators, media filters. Dispose of residual waste materials properly, e.g., according to Resource Conservation and Recovery Act (RCRA).	
<input type="checkbox"/> Provide alarm, pump shutoff, or sufficient containment for hydraulic reservoirs in the event of a line break.	
<input type="checkbox"/> Provide site gages or overflow protection devices for all liquid and fuel storage reservoirs and tanks.	
<input type="checkbox"/> Provide containment bins or equivalent for shredded material, especially lightweight materials such as fluff (preferably at the discharge of these materials from the air classification system).	
Minimizing Exposure	
<input type="checkbox"/> Where practicable, locate process equipment (e.g., balers, briquetters, small compactors) under cover.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Cover hydraulic equipment and combustion engines.	
<input type="checkbox"/> Stabilize high-traffic areas around processing equipment (e.g., concrete pads, gravel, and pavement) where practicable.	
Management of Runoff	
<input type="checkbox"/> Site process equipment on elevated concrete pads or provide runoff diversion structures, berms, containment trenches, or surface grading around process equipment. Discharge runoff from within bermed areas to a sump, oil/water separator, media filter, or discharge to sanitary sewer.	
<input type="checkbox"/> Provide dry cleanup materials (e.g., dry absorbents, drip pans) to prevent contact of hydraulic fluids, oils, fuels, etc., with stormwater runoff.	
Pollutant Source 9: Storage and Disposal of Waste Sand and Refractory Rubble in Piles	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store piles under cover or tarps whenever possible.	
<input type="checkbox"/> Establish regular disposal schedule to minimize quantities stored on site.	
<input type="checkbox"/> Stabilize areas of waste product storage and sweep daily.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 10: Charging of Coke Ovens or Sintering Plants	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Cover any exposed areas related to furnace charging/ material handling activities.	
<input type="checkbox"/> Stabilize areas around all material handling areas and sweep regularly.	
<input type="checkbox"/> Route runoff from particulate-generating operations to sediment traps, vegetated swales, buffer strips of vegetation, catch-basin filters, retention/detention basins, or equivalent.	
Pollutant Source 11: Blast Furnaces, Electric Arc Furnaces, Induction Furnaces, and Emissions Control Equipment	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use dust collection systems (e.g., baghouses) to collect airborne particles generated by handling operations.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and settled dust from paved portions of the facility by shoveling and sweeping on a regular basis.	
<input type="checkbox"/> Regularly clean material handling equipment and vehicles to remove accumulated dust and residue.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Route runoff from particulate generating operations to sediment traps, vegetated swales, buffer strips of vegetation, catch-basin filters, retention/detention basins, or equivalent.	
<input type="checkbox"/> Determine an appropriate schedule for inspection and maintenance of all pollution control equipment and implement it—check for any particulate deposition from leaks, spills, or improper operation of equipment.	
<input type="checkbox"/> Train applicable employees in in good housekeeping, inspection and maintenance of emission control equipment, and spill prevention and control within first week of employment followed by refresher training annually and as needed.	
Pollutant Source 12: Storage of Obsolete Equipment Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Where possible, dispose of unused equipment properly, or move indoors.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from surface waters.	
<input type="checkbox"/> Cover obsolete equipment with a tarp, awning, or roof.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Place equipment on a concrete pad.	
<input type="checkbox"/> Use sand filters or other end-of-pipe treatment as back-up measures for outfalls receiving drainage from areas where oil is potentially present.	
Pollutant Source 13: Storage of Products Outside After Machining, Painting, Pickling, or Cleaning Operations	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from surface waters.	
<input type="checkbox"/> Store all materials inside or under cover whenever possible.	
<input type="checkbox"/> Prevent run-on to product storage areas through curbs, berms, dikes, etc.	
<input type="checkbox"/> Use sand filters or other end-of-pipe treatment as back-up measures for outfall receiving drainage from areas where oil is potentially present.	
<input type="checkbox"/> Remove residual chemicals from intermediate or finished products before storage or transport outside.	
<input type="checkbox"/> Stabilize storage areas and establish and implement an appropriate sweeping schedule.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 14: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 15: Vehicle and Equipment Fueling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling,, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 16: Vehicle and Equipment Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 17: Vehicle and Equipment Storage and Parking Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	

Stormwater Control Measures: Sector F – Primary Metals Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Site Preparation – Haul/Access Roads (Pre-Construction)	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Site roads as far as possible from natural drainage areas, lakes, ponds, wetlands, or floodplains.	
<input type="checkbox"/> Design roads to be as small as possible, match the natural contours of the area, and meet regulatory requirements.	
<input type="checkbox"/> Keep as much vegetation as possible.	
Pollutant Source 2: Site Preparation – Haul/Access Roads (Construction and Post-Construction)	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Surface Stabilization Measures	
<input type="checkbox"/> Control dust and prevent soil loss as dust by watering, mulching, sprigging, or applying geotextile materials.	
<input type="checkbox"/> For disturbed surfaces (non-roadbed) that will support vegetation, use mulching practices (applying a blanket of plant residue or synthetic material to protect surfaces and to create a matrix for seeding).	
<input type="checkbox"/> Stabilize steep grades with sod if seeding is not conducive.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Temporary and Permanent Seeding:	
<input type="checkbox"/> Temporarily plant rapid-growing annual grasses, small grains, or legumes in areas that are not to be brought to final grade for more than approximately one month.	
<input type="checkbox"/> Permanently seed areas that will be covered with vegetative growth for more than two years.	
<input type="checkbox"/> Stabilize soil with willow cuttings.	
<input type="checkbox"/> For areas with mildly graded slopes, apply a loose, rich, biologically active soil (facilities can stockpile topsoil for future site use).	
<input type="checkbox"/> Install riprap in areas prone to erosion, seepage, or poor soil structure (e.g., channel slopes and bottoms, stormwater structure inlets and outlets, slope drains, streambanks, shorelines), or where vegetation cannot be sufficiently established.	
<input type="checkbox"/> Establish a graveled area or pad on which vehicles can drop their mud and sediment before entering onto roadways.	
Runoff Diversion and Sediment Control	
<input type="checkbox"/> Divert runoff from unstabilized road surfaces, minimize erosion, and direct flow to appropriate channels for discharge to treatment areas. Consider installing the following SCMs:	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Discharge diversions such as dikes, curbs, and berms.	
<input type="checkbox"/> Conveyance systems such as channels, gutters, culverts, rolling dips and road sloping, and roadway water deflectors.	
<input type="checkbox"/> Runoff dispersion measures such as check dams, rock outlet protection, level spreaders, stream alteration, and drop structures.	
<input type="checkbox"/> Sediment control and collection measures such as gabions, riprap, native rock retaining walls, silt fencing, sediment traps/catch basins, and vegetated buffer strips.	
<input type="checkbox"/> Place temporary fabric drapes around a drop inlet to protect storm drains. This practice can be used in combination with other temporary inlet protection devices.	
Pollutant Source 3: General Site Preparation and Operation Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Runoff Conveyances and Diversions	
<input type="checkbox"/> Channel, divert, or capture runoff and transport it to areas where it can be used or released without erosion or flood damage by installing temporary or permanent structures such as:	
<input type="checkbox"/> Level spreaders designed to convert concentrated runoff to sheet flow for dispersion across a uniform slope that is not susceptible to erosion. The outlet lip of the spreader must also be leveled. To avoid the formation of a gully, incorporate hardened structures, stiff grass hedges, or erosion-resistant matting.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Graded surfaces to redirect sheet flow.	
<input type="checkbox"/> Dikes, curbs, and berms that direct surface runoff around a protected area or prevent it from contacting sources of pollutants.	
<input type="checkbox"/> Conveyances that intercept, collect, and redirect runoff.	
<input type="checkbox"/> Temporary diversions on the down-gradient end of excavated channels or swales. Such diversions may be constructed by creating a dike of spoil materials or gravel.	
<input type="checkbox"/> Permanent diversions to divide specific drainage areas when larger runoff flows are expected. Such diversions are sized to capture and carry a specific magnitude of design storm.	
<input type="checkbox"/> Convey runoff via grass-lined channels. Channels must be established and rooted before flows are introduced and lining of the channels is required if design flows are to exceed 2 cubic feet per second (cfs).	
<input type="checkbox"/> In places with steeply graded slopes, prolonged flow, potential for traffic damage, erodible soils, or design velocity exceeding 5 cfs, convey runoff via hardened conduits or ditches (flumes). Flumes should be lined with structural materials such as riprap or paving. Additional flume elements include an energy dissipation feature to reduce erosion/scouring at the outlet, and an inlet bypass that routes extreme flows away from the flume.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<p><input type="checkbox"/> Convey concentrated runoff down a cut or fill slope via a temporary slope drain, until establishment of more permanent measures (e.g., stabilization with vegetation) occurs. Such slope drains are temporary structures constructed of flexible tubing or similar conduit material.</p>	
<p><input type="checkbox"/> Reduce outlet flow velocity and dissipate flow energy via outlet stabilization structures such as riprap-lined aprons, riprap stilling basins, and plunge pools. These are used at the outlet of a channel or conduit where the discharge velocity exceeds that of the receiving area.</p>	
Sediment Traps and Barriers	
<p><input type="checkbox"/> Form a temporary sediment barrier ("brush barrier") across or at the toe of a slope susceptible to erosion. Such brush barriers may consist of limbs, weeds, vines, root mats, rock, or other cleared materials.</p>	
<p><input type="checkbox"/> Install permanent check dams across drainageways (not live streams) to restrict flow velocity and reduce channel erosion. Such dams gradually accumulate sediment until they are completely filled. Dams may either be nonporous or porous (the latter will decrease the head of flow over spillways by releasing part of the flow through the actual structure).</p>	
<p><input type="checkbox"/> Construct grade stabilization structures to reduce channel grade in natural or constructed channels to prevent erosion. This includes vertical-drop structures, concrete or riprap chutes, gabions, or pipe-drop structures. In areas with large water flows, use concrete chutes or vertical-drop weirs constructed of reinforced concrete or sheet piling with concrete aprons. For areas with small flows, use prefabricated metal-drop spillways or pipe overfall structures.</p>	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<p><input type="checkbox"/> Reduce the velocity of sheet flows with silt fencing and/or straw bale barriers. To control temporary ponding, provide overflow outlets and sufficient storage area.</p>	
<p><input type="checkbox"/> At outlets of diversion channels, slope drains, or other runoff conveyances that discharge sediment-laden water, install sediment traps (small, temporary ponding basins formed by an embankment or excavation). Traps should be designed to minimize the potential for short circuiting. Include features such as embankment protection and non-erosive emergency bypass areas and provide for periodic maintenance.</p>	
<p><input type="checkbox"/> Filter out sediment around storm drain inlets by installing temporary concrete block and gravel inlet barriers.</p>	
<p><input type="checkbox"/> Trap sediment around a storm drain inlet or curb by excavating a temporary drop inlet. This allows the permanent inlet to be used before soils in the area are stabilized.</p>	
<p><input type="checkbox"/> Place temporary fabric drapes around a drop inlet to protect storm drains. This practice can be used in combination with other temporary inlet protection devices.</p>	
<p><input type="checkbox"/> When soils in the area are stabilized, protect a storm drain drop inlet by installing a grass sod sediment filter area around it (suitable for the lawns of large buildings).</p>	
<p><input type="checkbox"/> To filter solids from sheet flow on areas with relatively flat slopes, vegetate with strips of dense-culmed, herbaceous, erosion-resistant plants. Vegetated filter strips (VFS) are more effective if channelized flows are absent. However, the main factors influencing removal efficiency are vegetation type and condition, soil infiltration rate, and flow depth and</p>	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<p>travel time. Level spreaders are often used to promote even distribution of runoff across the VFS.</p>	
<p><input type="checkbox"/> To settle out sediment from runoff, construct sediment detention basins (either permanent pool or flow through). To maximize the basin's "trap efficiency," the following parameters affect the performance of a basin: particle size distribution of sediments; detention storage time; reservoir shape, amount of dead storage, and turbulence; and water chemistry.</p>	
<p><input type="checkbox"/> To aid the performance of a detention basin, use flocculants (compounds that create larger particles that have greater settling velocities). Flocculants can be useful when a large proportion of entrained sediment is clay, fine silt, or colloidal materials. Colloidal materials will remain in suspension and will not settle out even under quiescent conditions.</p>	
Runoff Control and Conveyance Measures	
<p><input type="checkbox"/> In areas with steeply graded slopes, prolonged flow, potential for traffic damage, erodible soils, or design velocity exceeding 5 cfs, convey runoff via hardened conduits or ditches (flumes). Flumes should be lined with structural materials such as riprap or paving. Additional flume elements include an energy dissipation feature to reduce erosion/scouring at the outlet, and an inlet bypass that routes extreme flows away from the flume.</p>	
<p><input type="checkbox"/> Convey concentrated runoff down a cut or fill slope via a temporary slope drain, until more permanent measures (e.g., stabilization with vegetation) are established. Such slope drains are temporary structures constructed of flexible tubing or similar conduit material.</p>	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Reduce outlet flow velocity and dissipate flow energy via outlet stabilization structures: riprap-lined aprons, riprap stilling basins, or plunge pools. These are used at the outlet of a channel or conduit where the discharge velocity exceeds that of the receiving area.	
<input type="checkbox"/> For runoff dispersion, use check dams, rock outlet protection, level spreaders, stream alteration, and drop structures.	
<input type="checkbox"/> Direct contaminated flows to sediment ponds or other treatment facilities. Consider the following SCMs:	
<input type="checkbox"/> Conveyance systems such as channels, gutters, culverts, rolling dips and road sloping, and/or roadway water deflectors.	
<input type="checkbox"/> Gabions, riprap, native rock retaining walls, sediment traps/catch basins, and vegetated buffer strips for sediment control and collection.	
Pollutant Source 4: Mineral Extraction – Pits, Quarries, and Underground Mines Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Install dikes, curbs, and berms for discharge diversions.	
<input type="checkbox"/> Install conveyance systems such as channels and gutters.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use serrated slopes, benched slopes, contouring, and stream alteration to direct uncontaminated discharges away from a pit or quarry.	
<input type="checkbox"/> Install sediment settling ponds, straw bale barriers, and siltation berms.	
<input type="checkbox"/> Stabilize and recontour (if necessary) piles.	
<input type="checkbox"/> Vegetate as many piles as possible using topsoil, seedbeds, and/or seeding).	
<input type="checkbox"/> Keep as much vegetation as possible when excavating and seed as necessary to minimize exposed soils.	
Pollutant Source 5: Overburden, Waste Rock, and Raw Material Piles	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Install dikes, curbs, and berms for discharge diversions.	
<input type="checkbox"/> Install conveyance systems such as channels and gutters.	
<input type="checkbox"/> Locate overburden, topsoil, waste rock, raw material, and intermediate and final product stockpiles away from surface waters and other sources of water, as well as geologically unstable areas.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use serrated slopes, benched slopes, contouring, and stream alteration around piles for sediment control and collection.	
<input type="checkbox"/> Install plastic matting, plastic netting, erosion control blankets, mulch straw, compaction, sediment/settling ponds, silt fencing, and siltation berms for sediment control and collection.	
<input type="checkbox"/> Stabilize and recontour piles, if necessary.	
<input type="checkbox"/> Vegetate as many piles as possible (topsoiling, seedbed preparation, and/or seeding).	
Pollutant Source 6: Reclamation	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Install dikes, curbs, and berms for discharge diversions.	
<input type="checkbox"/> Install conveyance systems such as channels and gutters.	
<input type="checkbox"/> For runoff dispersion, use check dams, rock outlet protection, level spreaders, stream alternation, drop structures, serrated slopes, benched slopes, contouring, and stream alteration.	
<input type="checkbox"/> For sediment control and collection, install gabions, riprap, native rock retaining walls, straw bale barriers, sediment traps/catch basins, biotechnical	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
stabilization, silt fencing, siltation berms, brush sediment barriers, and vegetated buffer strips.	
<input type="checkbox"/> In mined out portions or inactive areas of the site as active mining moves to new areas, re-contour and vegetate to stabilize soils and prevent erosion (topsoiling, seedbed preparation, seeding, establishing willow cuttings).	
<input type="checkbox"/> If a quarry is being converted into a reservoir or recreational area, reclaim disturbed areas above the quarry rim.	
<input type="checkbox"/> Use overburden and topsoil stockpiles to fill in a pit or quarry (when practical).	
Pollutant Source 7: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in “off” position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors if possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 8: Vehicle and Equipment Fueling Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit “topping off” of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling,, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 9: Vehicle and Equipment Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup if possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clean without using liquid cleaners if possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering if possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof if possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 10: Vehicle and Equipment Storage and Parking Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	

Stormwater Control Measures: Sector G – Metal Mining (Ore Mining and Dressing) Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

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Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Site Preparation – Haul/Access Roads (Pre-Construction)	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Site roads as far as possible from natural drainage areas, lakes, ponds, wetlands, or floodplains.	
<input type="checkbox"/> Width and grade of roads should be as small as possible to meet regulatory requirements and should be designed to match the natural contours of the area.	
<input type="checkbox"/> Keep as much vegetation as possible.	
Pollutant Source 2: Site Preparation – Haul/Access Roads (Construction and Post-Construction)	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Surface Stabilization Measures	
<input type="checkbox"/> Dust control – Prevent soil loss as dust via the following SCMs: watering, mulching, sprigging, or applying geotextile materials.	
<input type="checkbox"/> For disturbed surfaces (non-roadbed) that will support vegetation, use mulching practices (applying a blanket of plant residue or synthetic material to protect surfaces and to create a matrix for seeding).	
<input type="checkbox"/> Stabilize steep grades with sod if seeding is not conducive.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Temporary and Permanent Seeding:	
<input type="checkbox"/> Temporarily plant rapid-growing annual grasses, small grains, or legumes in areas that are not to be brought to final grade for more than approximately one month.	
<input type="checkbox"/> Permanently seed areas that will be covered with vegetative growth for more than two years.	
<input type="checkbox"/> Stabilize soil with willow cuttings.	
<input type="checkbox"/> For areas with mildly graded slopes, apply a loose, rich, biologically active soil (facilities can stockpile topsoil for future site use).	
<input type="checkbox"/> Install riprap in areas prone to erosion, seepage or poor soil structure (e.g., channel slopes and bottoms, storm water structure inlets and outlets, slope drains, streambanks, shorelines), or where vegetation cannot be sufficiently established.	
<input type="checkbox"/> Establish a graveled area or pad on which vehicles can drop their mud and sediment before entering onto roadways.	
Runoff Diversion and Sediment Control	
<input type="checkbox"/> Divert runoff from unstabilized road surfaces, minimize erosion, and direct flow to appropriate channels for discharge to treatment areas. Consider installing the following SCMs:	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Discharge diversions such as dikes, curbs, and berms.	
<input type="checkbox"/> Conveyance systems such as channels, gutters, culverts, rolling dips and road sloping, and roadway water deflectors.	
<input type="checkbox"/> Runoff dispersion measures such as check dams, rock outlet protection, level spreaders, stream alteration and drop structures.	
<input type="checkbox"/> Sediment control and collection measures such as gabions, riprap, native rock retaining walls, silt fencing, sediment traps/catch basins, and vegetated buffer strips.	
<input type="checkbox"/> Place temporary fabric drapes around a drop inlet to protect storm drains. This practice can be used in combination with other temporary inlet protection devices.	
Pollutant Source 3: General Site Preparation and Operation Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Runoff Conveyances and Diversions	
<input type="checkbox"/> Channel, divert, or capture runoff and transport it to areas where it can be used or released without erosion or flood damage by installing temporary or permanent structures such as:	
<input type="checkbox"/> Level spreaders designed to convert concentrated runoff to sheet flow for dispersion across a uniform slope that is not susceptible to erosion. The outlet lip of the spreader must also be leveled. To avoid the formation of a gully, incorporate	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
hardened structures, stiff grass hedges, or erosion-resistant matting.	
<input type="checkbox"/> Graded surfaces to redirect sheet flow.	
<input type="checkbox"/> Dikes, curbs and berms that direct surface runoff around a protected area or prevent it from contacting sources of pollutants.	
<input type="checkbox"/> Conveyances that intercept, collect, and redirect runoff.	
<input type="checkbox"/> Temporary diversions on the down-gradient end of excavated channels or swales. Such diversions may be constructed by creating a dike of spoil materials or gravel.	
<input type="checkbox"/> Permanent diversions to divide specific drainage areas when larger runoff flows are expected. Such diversions are sized to capture and carry a specific magnitude of design storm.	
<input type="checkbox"/> Convey runoff via grass-lined channels. Channels must be established and rooted before flows are introduced and lining of the channels is required if design flows are to exceed 2 cubic feet per second (cfs).	
<input type="checkbox"/> In places with steeply graded slopes, prolonged flow, potential for traffic damage, erodible soils, or design velocity exceeding 5 cfs, convey runoff via hardened conduits or ditches (flumes).	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<p>Flumes should be lined with structural materials such as riprap or paving. Additional flume elements include an energy dissipation feature to reduce erosion/scouring at the outlet, and an inlet bypass that routes extreme flows away from the flume.</p>	
<p><input type="checkbox"/> Convey concentrated runoff down a cut or fill slope via a temporary slope drain, until establishment of more permanent measures (e.g., stabilization with vegetation) occurs. Such slope drains are temporary structures constructed of flexible tubing or similar conduit material.</p>	
<p><input type="checkbox"/> Reduce outlet flow velocity and dissipate flow energy via outlet stabilization structures such as riprap-lined aprons, riprap stilling basins, and plunge pools. These structures are used at the outlet of a channel or conduit where the discharge velocity exceeds that of the receiving area.</p>	
Sediment Traps and Barriers	
<p><input type="checkbox"/> Form a temporary sediment barrier ("brush barrier") across or at the toe of a slope susceptible to erosion. Such brush barriers may consist of limbs, weeds, vines, root mats, rock, or other cleared materials.</p>	
<p><input type="checkbox"/> Install permanent check dams across drainageways (not live streams) to restrict flow velocity and reduce channel erosion. Such dams gradually accumulate sediment until they are completely filled. Dams may either be nonporous or porous (the latter will decrease the head of flow over spillways by releasing part of the flow through the actual structure).</p>	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<p><input type="checkbox"/> Construct grade stabilization structures to reduce channel grade in natural or constructed channels to prevent erosion. This type of structure includes vertical-drop structures, concrete or riprap chutes, gabions, or pipe-drop structures. In areas with large water flows, use concrete chutes, or vertical-drop weirs constructed of reinforced concrete or sheet piling with concrete aprons. For areas with small flows, use prefabricated metal-drop spillways or pipe overfall structures.</p>	
<p><input type="checkbox"/> Reduce the velocity of sheet flows with silt fencing and/or straw bales. To control temporary ponding, provide overflow outlets and sufficient storage area.</p>	
<p><input type="checkbox"/> At outlets of diversion channels, slope drains, or other runoff conveyances that discharge sediment-laden water, install sediment traps (small, temporary ponding basins formed by an embankment or excavation). Traps should be designed to minimize the potential for short circuiting. Include features such as embankment protection and non-erosive emergency bypass areas, and provide for periodic maintenance.</p>	
<p><input type="checkbox"/> Filter out sediment around storm drain inlets by installing temporary concrete block and gravel inlet barriers.</p>	
<p><input type="checkbox"/> Trap sediment around a storm drain inlet or curb by excavating a temporary drop inlet. This allows the permanent inlet to be used before soils in the area are stabilized.</p>	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<p><input type="checkbox"/> Place temporary fabric drapes around a drop inlet to protect storm drains. This practice can be used in combination with other temporary inlet protection devices.</p>	
<p><input type="checkbox"/> When soils in the area are stabilized, protect a storm drain drop inlet by installing a grass sod sediment filter area around it (suitable for the lawns of large buildings).</p>	
<p><input type="checkbox"/> To filter solids from sheet flow on areas with relatively flat slopes, vegetate with strips of dense-culmed, herbaceous, erosion-resistant plants. Vegetated filter strips (VFS) are more efficient if channelized flows are absent. However, the main factors influencing removal efficiency are vegetation type and condition, soil infiltration rate, and flow depth and travel time. Level spreaders are often used to promote even distribution of runoff across the VFS.</p>	
<p><input type="checkbox"/> To settle out sediment from runoff, construct sediment detention basins (either permanent pool or flow through). To maximize the basin's "trap efficiency," the following parameters affect the performance of a basin: particle size distribution of sediments; detention storage time; reservoir shape, amount of dead storage, and turbulence; and water chemistry.</p>	
<p><input type="checkbox"/> To aid the performance of a detention basin, use flocculants (compounds that create larger particles that have greater settling velocities). Flocculants can be useful when a large proportion of entrained sediment are clay, fine silt or colloidal materials. Colloidal materials will remain in suspension and will not settle out even under quiescent conditions.</p>	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
Runoff Control and Conveyance Measures	
<input type="checkbox"/> In areas with steeply graded slopes, prolonged flow, potential for traffic damage, erodible soils, or design velocity exceeding 5 cfs, convey runoff via hardened conduits or ditches (flumes). Flumes should be lined with structural materials such as riprap or paving. Additional flume elements include an energy dissipation feature to reduce erosion/scouring at the outlet, and an inlet bypass that routes extreme flows away from the flume.	
<input type="checkbox"/> Convey concentrated runoff down a cut or fill slope via a temporary slope drain, until more permanent measures (e.g., stabilization with vegetation) are established. Such slope drains are temporary structures constructed of flexible tubing or similar conduit material.	
<input type="checkbox"/> Reduce outlet flow velocity and dissipate flow energy via outlet stabilization structures; riprap-lined aprons, riprap stilling basins, or plunge pools. These are used at the outlet of a channel or conduit where the discharge velocity exceeds that of the receiving area.	
<input type="checkbox"/> For runoff dispersion, use check dams, rock outlet protection, level spreaders, stream alteration, and drop structures.	
<input type="checkbox"/> Direct contaminated flows to sediment ponds or other treatment facilities. Consider the following SCMs:	
<input type="checkbox"/> Conveyance systems such as channels, gutters, culverts, rolling dips and road sloping, and/or roadway water deflectors.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Gabions, riprap, native rock retaining walls, sediment traps/catch basins, and vegetated buffer strips for sediment control and collection.	
Pollutant Source 4: Mineral Extraction – Pits, Quarries, and Underground Mines Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Install dikes, curbs, and berms for discharge diversions.	
<input type="checkbox"/> Install conveyance systems such as channels and gutters.	
<input type="checkbox"/> Use serrated slopes, benched slopes, contouring, and stream alteration to direct uncontaminated discharges away from a pit or quarry.	
<input type="checkbox"/> Install sediment settling ponds, straw bale barriers, and siltation berms.	
<input type="checkbox"/> Stabilize and recontour (if necessary) piles.	
<input type="checkbox"/> Vegetate as many piles as possible (using topsoiling, seedbeds, and/or seeding).	
<input type="checkbox"/> Keep as much vegetation as possible when excavating and seed as necessary to minimize exposed soils.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 5: Overburden, Waste Rock, and Raw Material Piles	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Install dikes, curbs, and berms for discharge diversions.	
<input type="checkbox"/> Install conveyance systems such as channels and gutters.	
<input type="checkbox"/> Locate overburden, topsoil, waste rock, raw material, and intermediate and final product stockpiles away from surface waters and other sources of water, as well as geologically unstable areas.	
<input type="checkbox"/> Use serrated slopes, benched slopes, contouring, and stream alteration around piles for sediment control and collection.	
<input type="checkbox"/> Install plastic matting, plastic netting, erosion control blankets, mulch straw, compaction, sediment/settling ponds, silt fencing, and siltation berms for sediment control and collection.	
<input type="checkbox"/> Stabilize and recontour piles, if necessary.	
<input type="checkbox"/> Vegetate as many piles as possible (topsoiling, seedbed preparation, and/or seeding).	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 6: Coke and Coal Storage Piles, Bins, and Material Handling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from surface waters.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales, and/or berms.	
<input type="checkbox"/> Where possible store coke and coal under cover, indoors, or with other structures to prevent wind-blown losses.	
<input type="checkbox"/> Use control measures such as berms, silt fencing, or waddles to prevent sediment from leaving storage area.	
<input type="checkbox"/> Practice good stockpiling practices such as: storing materials on concrete or asphalt pads; surrounding stockpiles using diversion dikes or curbs to limit run-on and to slow runoff.	
<input type="checkbox"/> Trap particulates originating in coke or coal storage or handling areas with filter fabric fences, gravel outlet protection, sediment traps, vegetated swales, buffer strips of vegetation, catch-basin filters, retention/detention basins, or equivalent.	
<input type="checkbox"/> Minimize quantities of coke or coal stored on site through implementation of effective inventory control.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Practice good housekeeping measures such as frequent removal of dust and debris. Cleanup methods may include mobile sweepers, scrapers, or scoops.	
<input type="checkbox"/> Use properly designed basins for collection, containment, and recycling of pile spraying materials.	
<input type="checkbox"/> Train applicable employees in good housekeeping measures within first week of employment followed by refresher training annually and as needed.	
Pollutant Source 7: Reclamation Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Install dikes, curbs, and berms for discharge diversions.	
<input type="checkbox"/> Install conveyance systems such as channels and gutters.	
<input type="checkbox"/> For runoff dispersion, use check dams, rock outlet protection, level spreaders, stream alternation, drop structures, serrated slopes, benched slopes, contouring, and stream alteration.	
<input type="checkbox"/> For sediment control and collection, install gabions, riprap, native rock retaining walls, straw bale barriers, sediment traps/catch basins, biotechnical stabilization, silt fencing, siltation berms, brush sediment barriers and vegetated buffer strips.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> In mined out portions or inactive areas of the site as active mining moves to new areas, re-contour and vegetate to stabilize soils and prevent erosion (topsoiling, seedbed preparation, seeding, establishing willow cuttings).	
<input type="checkbox"/> If a quarry is being converted into a reservoir or recreational area, reclaim disturbed areas above the quarry rim.	
<input type="checkbox"/> Use overburden and topsoil stockpiles to fill in a pit or quarry (when practical).	
Pollutant Source 8: Materials Handling and Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 9: Vehicle and Equipment Fueling Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling,, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
<p>Pollutant Source 10: Vehicle and Equipment Maintenance Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)</p>	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 11: Vehicle and Equipment Storage and Parking	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	

Stormwater Control Measures: Sector H – Coal Mines and Coal Mining-Related Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector I – Oil and Gas Extraction and Refining Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Well Drilling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use diking and other forms of containment and diversion around storage tanks, oil drums, acid, production chemicals and liquids, reserve pits, and impoundments.	
<input type="checkbox"/> Use diking and other forms of containment and diversion around material handling and processing areas.	
<input type="checkbox"/> Use porous pads under drum and tank storage areas.	
<input type="checkbox"/> Use covers and/or lining for waste reserve and sludge pits to avoid overflows and leaks.	
<input type="checkbox"/> Use drip pans, catch basins, or liners during handling of materials such as tank bottoms.	
<input type="checkbox"/> Re-use collected stormwater for industrial process or as an irrigation source.	
<input type="checkbox"/> Develop and implement spill plans for pipelines, tanks, drums, etc.	

Stormwater Control Measures: Sector I – Oil and Gas Extraction and Refining Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Recycle oily wastes, drilling fluids and other materials on site, or dispose off site.	
<input type="checkbox"/> Use oil/water separators.	
<input type="checkbox"/> Inspect the area regularly to ensure best management practices (BMPs) are implemented and maintained.	
Pollutant Source 2: Well Completion	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use diking and other forms of containment and diversion around storage tanks, oil drums, acid, production chemicals and liquids, reserve pits, and impoundments.	
<input type="checkbox"/> Use diking and other forms of containment and diversion around material handling and processing areas.	
<input type="checkbox"/> Use porous pads under drum and tank storage areas.	
<input type="checkbox"/> Use covers and/or lining for waste reserve and sludge pits to avoid overflows and leaks.	
<input type="checkbox"/> Use drip pans, catch basins, or liners during handling of materials such as tank bottoms.	

Stormwater Control Measures: Sector I – Oil and Gas Extraction and Refining Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Reinject or treat produced water instead of discharging it.	
<input type="checkbox"/> Re-use collected stormwater for industrial process or as an irrigation source.	
<input type="checkbox"/> Develop and implement spill plans for pipelines, tanks, drums, etc.	
<input type="checkbox"/> Recycle oily wastes, drilling fluids and other materials on site, or dispose of off site.	
<input type="checkbox"/> Inspect the area regularly to ensure BMPs are implemented and maintained.	
Pollutant Source 3: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	

Stormwater Control Measures: Sector I – Oil and Gas Extraction and Refining Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	

Stormwater Control Measures: Sector I – Oil and Gas Extraction and Refining Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	

Stormwater Control Measures: Sector I – Oil and Gas Extraction and Refining Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	

Stormwater Control Measures: Sector I – Oil and Gas Extraction and Refining Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	

Stormwater Control Measures: Sector I – Oil and Gas Extraction and Refining Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	

Stormwater Control Measures: Sector I – Oil and Gas Extraction and Refining Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	

Stormwater Control Measures: Sector I – Oil and Gas Extraction and Refining Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	

Stormwater Control Measures: Sector I – Oil and Gas Extraction and Refining Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

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Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Site Preparation – Haul/Access Roads (Pre-Construction)	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Site roads as far as possible from natural drainage areas, lakes, ponds, wetlands, or floodplains.	
<input type="checkbox"/> Design roads to be as small as possible, match the natural contours of the area, and meet regulatory requirements.	
<input type="checkbox"/> Keep as much vegetation as possible.	
Pollutant Source 2: Site Preparation – Haul/Access Roads (Construction and Post-Construction)	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Surface Stabilization Measures	
<input type="checkbox"/> Control dust and prevent soil loss as dust by watering, mulching, sprigging, or applying geotextile materials.	
<input type="checkbox"/> For disturbed surfaces (non-roadbed) that will support vegetation, use mulching practices (applying a blanket of plant residue or synthetic material to protect surfaces and to create a matrix for seeding).	
<input type="checkbox"/> Stabilize steep grades with sod if seeding is not conducive.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Temporary and Permanent Seeding:	
<input type="checkbox"/> Temporarily plant rapid-growing annual grasses, small grains, or legumes in areas that are not to be brought to final grade for more than approximately one month.	
<input type="checkbox"/> Permanently seed areas that will be covered with vegetative growth for more than two years.	
<input type="checkbox"/> Stabilize soil with willow cuttings.	
<input type="checkbox"/> For areas with mildly graded slopes, apply a loose, rich, biologically active soil (facilities can stockpile topsoil for future site use).	
<input type="checkbox"/> Install riprap in areas prone to erosion, seepage, or poor soil structure (e.g., channel slopes and bottoms, storm water structure inlets and outlets, slope drains, streambanks, shorelines), or where vegetation cannot be sufficiently established.	
<input type="checkbox"/> Establish a graveled area or pad on which vehicles can drop their mud and sediment before entering onto roadways.	
Runoff Diversion and Sediment Control	
<input type="checkbox"/> Divert runoff from unstabilized road surfaces, minimize erosion, and direct flow to appropriate channels for discharge to treatment areas. Consider installing the following SCMs:	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Discharge diversions such as dikes, curbs, and berms.	
<input type="checkbox"/> Conveyance systems such as channels, gutters, culverts, rolling dips and road sloping, and roadway water deflectors.	
<input type="checkbox"/> Runoff dispersion measures such as check dams, rock outlet protection, level spreaders, stream alteration, and drop structures.	
<input type="checkbox"/> Sediment control and collection measures such as gabions, riprap, native rock retaining walls, silt fencing, sediment traps/catch basins, and vegetated buffer strips.	
<input type="checkbox"/> Place temporary fabric drapes around a drop inlet to protect storm drains. This practice can be used in combination with other temporary inlet protection devices.	
Pollutant Source 3: General Site Preparation and Operation Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Runoff Conveyances and Diversions	
<input type="checkbox"/> Channel, divert, or capture runoff and transport it to areas where it can be used or released without erosion or flood damage by installing temporary or permanent structures such as:	
<input type="checkbox"/> Level spreaders designed to convert concentrated runoff to sheet flow for dispersion across a uniform slope that is not susceptible to erosion. The outlet lip of the spreader must also be leveled. To avoid the formation of a gully, incorporate	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
hardened structures, stiff grass hedges, or erosion-resistant matting.	
<input type="checkbox"/> Graded surfaces to redirect sheet flow.	
<input type="checkbox"/> Dikes, curbs, and berms that direct surface runoff around a protected area or prevent it from contacting sources of pollutants.	
<input type="checkbox"/> Conveyances that intercept, collect, and redirect runoff.	
<input type="checkbox"/> Temporary diversions on the down-gradient end of excavated channels or swales. Such diversions may be constructed by creating a dike of spoil materials or gravel.	
<input type="checkbox"/> Permanent diversions to divide specific drainage areas when larger runoff flows are expected. Such diversions are sized to capture and carry a specific magnitude of design storm.	
<input type="checkbox"/> Convey runoff via grass-lined channels. Channels must be established and rooted before flows are introduced and lining of the channels is required if design flows are to exceed 2 cubic feet per second (cfs).	
<input type="checkbox"/> In places with steeply graded slopes, prolonged flow, potential for traffic damage, erodible soils, or design velocity exceeding 5 cfs, convey runoff via hardened conduits or ditches (flumes).	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Flumes should be lined with structural materials such as riprap or paving. Additional flume elements include an energy dissipation feature to reduce erosion/scouring at the outlet, and an inlet bypass that routes extreme flows away from the flume.	
<input type="checkbox"/> Convey concentrated runoff down a cut or fill slope via a temporary slope drain, until establishment of more permanent measures (e.g., stabilization with vegetation) occurs. Such slope drains are temporary structures constructed of flexible tubing or similar conduit material.	
<input type="checkbox"/> Reduce outlet flow velocity and dissipate flow energy via outlet stabilization structures such as riprap-lined aprons, riprap stilling basins, and plunge pools. These are used at the outlet of a channel or conduit where the discharge velocity exceeds that of the receiving area.	
Sediment Traps and Barriers	
<input type="checkbox"/> Form a temporary sediment barrier ("brush barrier") across or at the toe of a slope susceptible to erosion. Such brush barriers may consist of limbs, weeds, vines, root mats, rock, or other cleared materials.	
<input type="checkbox"/> Install permanent check dams across drainageways (not live streams) to restrict flow velocity and reduce channel erosion. Such dams gradually accumulate sediment until they are completely filled. Dams may either be nonporous or porous (the latter will decrease the head of flow over spillways by releasing part of the flow through the actual structure).	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<p><input type="checkbox"/> Construct grade stabilization structures to reduce channel grade in natural or constructed channels to prevent erosion. This includes vertical-drop structures, use concrete or riprap chutes, gabions, or pipe-drop structures. In areas with large water flows, concrete chutes, or vertical-drop weirs constructed of reinforced concrete or sheet piling with concrete aprons. For areas with small flows, use prefabricated metal-drop spillways, or pipe overfall structures.</p>	
<p><input type="checkbox"/> Reduce the velocity of sheet flows with silt fencing and/or straw bales. To control temporary ponding, provide overflow outlets and sufficient storage area.</p>	
<p><input type="checkbox"/> At outlets of diversion channels, slope drains, or other runoff conveyances that discharge sediment-laden water, install sediment traps (small, temporary ponding basins formed by an embankment or excavation). Traps should be designed to minimize the potential for short circuiting. Include features such as embankment protection and non-erosive emergency bypass areas and provide for periodic maintenance.</p>	
<p><input type="checkbox"/> Filter out sediment around storm drain inlets by installing temporary concrete block and gravel inlet barriers.</p>	
<p><input type="checkbox"/> Trap sediment around a storm drain inlet or curb by excavating a temporary drop inlet. This allows the permanent inlet to be used before soils in the area are stabilized.</p>	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<p><input type="checkbox"/> Place temporary fabric drapes around a drop inlet to protect storm drains. This practice can be used in combination with other temporary inlet protection devices.</p>	
<p><input type="checkbox"/> When soils in the area are stabilized, protect a storm drain drop inlet by installing a grass sod sediment filter area around it (suitable for the lawns of large buildings).</p>	
<p><input type="checkbox"/> To filter solids from sheet flow on areas with relatively flat slopes, vegetate with strips of dense-culmed, herbaceous, erosion-resistant plants. Vegetated filter strips (VFS) are more effective if channelized flows are absent. However, the main factors influencing removal efficiency are vegetation type and condition, soil infiltration rate, and flow depth and travel time. Level spreaders are often used to promote even distribution of runoff across the VFS.</p>	
<p><input type="checkbox"/> To settle out sediment from runoff, construct sediment detention basins (either permanent pool or flow through). To maximize the basin's "trap efficiency," the following parameters affect the performance of a basin: particle size distribution of sediments; detention storage time; reservoir shape, amount of dead storage, and turbulence; and water chemistry.</p>	
<p><input type="checkbox"/> To aid the performance of a detention basin, use flocculants (compounds that create larger particles that have greater settling velocities). They can be useful when a large proportion of entrained sediment are clay, fine silt, or colloidal materials (the latter will remain in suspension and will not settle out even under quiescent conditions).</p>	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Runoff Control and Conveyance Measures	
<input type="checkbox"/> In areas with steeply graded slopes, prolonged flow, potential for traffic damage, erodible soils, or design velocity exceeding 5 cfs, convey runoff via hardened conduits or ditches (flumes). Flumes should be lined with structural materials such as riprap or paving. Additional flume elements include an energy dissipation feature to reduce erosion/scouring at the outlet, and an inlet bypass that routes extreme flows away from the flume.	
<input type="checkbox"/> Convey concentrated runoff down a cut or fill slope via a temporary slope drain, until more permanent measures (e.g., stabilization with vegetation) are established. Such slope drains are temporary structures constructed of flexible tubing or similar conduit material.	
<input type="checkbox"/> Reduce outlet flow velocity and dissipate flow energy via outlet stabilization structures: riprap-lined aprons, riprap stilling basins, or plunge pools. These are used at the outlet of a channel or conduit where the discharge velocity exceeds that of the receiving area.	
<input type="checkbox"/> For runoff dispersion, use check dams, rock outlet protection, level spreaders, stream alteration, and drop structures.	
<input type="checkbox"/> Direct contaminated flows to sediment ponds or other treatment facilities. Consider the following SCMs:	
<input type="checkbox"/> Conveyance systems such as channels, gutters, culverts, rolling dips and road sloping, and/or roadway water deflectors.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Gabions, riprap, native rock retaining walls, sediment traps/catch basins, and vegetated buffer strips for sediment control and collection.	
Pollutant Source 4: Mineral Extraction – Pits, Quarries, and Underground Mines Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Install dikes, curbs, and berms for discharge diversions.	
<input type="checkbox"/> Install conveyance systems such as channels and gutters.	
<input type="checkbox"/> Use serrated slopes, benched slopes, contouring, and stream alteration to direct uncontaminated discharges away from a pit or quarry.	
<input type="checkbox"/> Install sediment settling ponds, straw bale barriers, and siltation berms.	
<input type="checkbox"/> Stabilize and recontour (if necessary) piles.	
<input type="checkbox"/> Vegetate as many piles as possible (using topsoiling, seedbeds, and/or seeding).	
<input type="checkbox"/> Keep as much vegetation as possible when excavating and seed as necessary to minimize exposed soils.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 5: Overburden, Waste Rock, and Raw Material Piles	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Install dikes, curbs, and berms for discharge diversions.	
<input type="checkbox"/> Install conveyance systems such as channels and gutters.	
<input type="checkbox"/> Locate overburden, topsoil, waste rock, raw material, and intermediate and final product stockpiles away from surface waters and other sources of water, as well as geologically unstable areas.	
<input type="checkbox"/> Use serrated slopes, benched slopes, contouring, and stream alteration around piles for sediment control and collection.	
<input type="checkbox"/> Install plastic matting, plastic netting, erosion control blankets, mulch straw, compaction, sediment/settling ponds, silt fencing, and siltation berms for sediment control and collection.	
<input type="checkbox"/> Stabilize and recontour piles, if necessary.	
<input type="checkbox"/> Vegetate as many piles as possible (topsoiling, seedbed preparation, and/or seeding).	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 6: Reclamation	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Install dikes, curbs, and berms for discharge diversions.	
<input type="checkbox"/> Install conveyance systems such as channels and gutters.	
<input type="checkbox"/> For runoff dispersion, use check dams, rock outlet protection, level spreaders, stream alternation, drop structures, serrated slopes, benched slopes, contouring, and stream alteration.	
<input type="checkbox"/> For sediment control and collection, install gabions, riprap, native rock retaining walls, straw bale barriers, sediment traps/catch basins, biotechnical stabilization, silt fencing, siltation berms, brush sediment barriers, and vegetated buffer strips.	
<input type="checkbox"/> In mined out portions or inactive areas of the site as active mining moves to new areas, re-contour and vegetate to stabilize soils and prevent erosion (topsoiling, seedbed preparation, seeding, establishing willow cuttings).	
<input type="checkbox"/> If a quarry is being converted into a reservoir or recreational area, reclaim disturbed areas above the quarry rim.	
<input type="checkbox"/> Use overburden and topsoil stockpiles to fill in a pit or quarry (when practical).	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 7: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 8: Vehicle and Equipment Fueling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling,, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 9: Vehicle and Equipment Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 10: Vehicle and Equipment Storage and Parking Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	

Stormwater Control Measures: Sector J – Mineral Mining and Processing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually at a minimum.	

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Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Loading and Unloading	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine loading/unloading activities to a designated area.	
<input type="checkbox"/> Perform loading/unloading activities indoors or in a covered area.	
<input type="checkbox"/> Cover loading/unloading area with permanent cover (e.g., roofs) or temporary cover (e.g., tarps).	
<input type="checkbox"/> Close storm drains during loading/unloading activities in surrounding areas.	
<input type="checkbox"/> Avoid loading/unloading materials in the rain.	
<input type="checkbox"/> Inspect the unloading/loading areas to detect problems before they occur.	
<input type="checkbox"/> Inspect all containers prior to loading/unloading of any raw or spent materials.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Berm, curb, or dike loading/unloading areas.	
<input type="checkbox"/> Use dry cleanup methods instead of washing the areas down.	
<input type="checkbox"/> Train employees on proper loading/unloading techniques within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 2: Bulk Liquid and Solid Transfer Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine transferring activities to a designated area.	
<input type="checkbox"/> Perform transfer activities indoors or in a covered area.	
<input type="checkbox"/> Install an impervious or concrete pad under the area for bulk transfer activities with the area sloped toward sump or detention pond.	
<input type="checkbox"/> During transfer activities of hazardous materials always close drains using drain seals, drain guards, drain plugs, or a shutoff valve.	
<input type="checkbox"/> After drum use, drain the washout directly into a clarifier.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Place track pans or popup pool containers under tankers before transfer activities occur to prevent uncontained spills.	
<input type="checkbox"/> Avoid transferring bulks materials in the rain.	
<input type="checkbox"/> Inspect the transfer areas to detect problems before they occur.	
<input type="checkbox"/> Inspect all containers prior to transferring activities of hazardous materials.	
<input type="checkbox"/> Use dry cleanup methods instead of washing the areas down.	
<input type="checkbox"/> Train employees on proper bulk transfer techniques within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 3: Hazardous Material Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine storage of hazardous materials to designated areas.	
<input type="checkbox"/> Store hazardous materials be indoors or in a covered area.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store hazardous materials according to the manufacturer by installing concrete or non-absorbing berms around each specific hazardous material to avoid mixing wastes.	
<input type="checkbox"/> Ensure sufficient aisle space to ease inspections and handling.	
<input type="checkbox"/> Store hazardous materials away from high-traffic areas.	
<input type="checkbox"/> Implement inspection schedule for storage areas to detect problems before they occur.	
<input type="checkbox"/> Inspect all containers prior to placing in hazardous materials storage areas.	
<input type="checkbox"/> Store drums of hazardous material on spill pallets.	
<input type="checkbox"/> Aboveground storage tanks of hazardous materials should be stored within secondary containment equipped with self-bailers, shutoff valve, and sumps.	
<input type="checkbox"/> Use dry cleanup methods instead of washing the areas down.	
<input type="checkbox"/> Train employees on proper storage techniques within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 4: Bulk Storage Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine bulk storage to a designated area.	
<input type="checkbox"/> Store hazardous bulk materials indoors or in a covered area.	
<input type="checkbox"/> Cover bulk materials with permanent cover (e.g., roofs) or temporary cover (e.g., tarps).	
<input type="checkbox"/> Implement schedule to conduct inspections of the bulk storage areas to detect problems before they occur.	
<input type="checkbox"/> Inspect all containers prior to storage of outside bulk materials.	
<input type="checkbox"/> Store outside bulk materials within secondary containment either using concrete berms or other non-absorbing materials.	
<input type="checkbox"/> Berm, curb, or dike outside bulk storage areas.	
<input type="checkbox"/> Use dry cleanup methods instead of washing the areas down.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train employees on proper outside bulk storage of hazardous material techniques within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 5: Materials Handling and Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 6: Vehicle and Equipment Fueling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling,, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 7: Vehicle and Equipment Maintenance Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 8: Vehicle and Equipment Storage and Parking Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	

Stormwater Control Measures: Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Application of Fertilizers, Pesticides, and Herbicides	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Observe all applicable federal, state, and local regulations when using these products.	
<input type="checkbox"/> Strictly follow recommended application rates and methods (i.e., do not apply in excess of requirements).	
<input type="checkbox"/> To clean up spills, keep materials such as absorbent pads easily accessible.	
<input type="checkbox"/> Inspect and maintain all containers used to prevent leaking.	
<input type="checkbox"/> Train appropriate employees in proper chemical application and spill prevention within the first week of employment followed by refresher training annually and as needed.	
<input type="checkbox"/> Store drums and containers indoors when possible.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 2: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users and disposal routes.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 3: Tracking Out of Pollutants on Vehicles	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Minimize the area of exposed open face as much as practicable.	
<input type="checkbox"/> Divert flows around open face using structural measures such as dikes, berms, swales, or pipe slope drains.	
<input type="checkbox"/> Maintain the integrity and effectiveness of any intermediate or final ground cover (including repairing the cover as necessary to minimize the effects of settlement, sinking, and erosion).	
<input type="checkbox"/> Regularly inspect erosion and sediment controls.	
<input type="checkbox"/> Wash wheels and exterior of vehicles and equipment as necessary (prevent or control discharge of wash waters).	
<input type="checkbox"/> Dislodge dirt and gravel using such things as rumble strips and gravel aprons.	
Pollutant Source 4: Unstabilized Soils, Stockpiles, and Haul Roads	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> To divert runoff away from erodible areas and to prevent sediments from entering water bodies, implement structural controls such as dikes, swales, silt fencing, filter berms, sediment	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
traps and ponds, outlet protection, pipe slope drains, check dams, and terraces.	
<input type="checkbox"/> Confine stockpiling to areas outside of drainage pathways and away from surface waters.	
<input type="checkbox"/> Stabilize soils with temporary seeding, mulching, or geotextiles on the inactive portions of stockpiles.	
<input type="checkbox"/> Leave vegetated filter strips along streams.	
<input type="checkbox"/> Keep as much vegetation as possible when building roads and seed to stabilize the soil.	
<input type="checkbox"/> Construct vegetated swales along the road.	
<input type="checkbox"/> Stabilize haul roads and entrances to the landfill with gravel or stone.	
<input type="checkbox"/> Clean wheels and bodies of trucks and other equipment to minimize sediment tracking (but contain any wash waters).	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Frequently inspect all stabilization and structural erosion control measures and perform all necessary maintenance and repairs.	
Pollutant Source 5: Vehicle and Equipment Fueling Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling,, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 6: Vehicle and Equipment Maintenance Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 7: Vehicle and Equipment Storage and Parking Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	

Stormwater Control Measures: Sector L – Landfills, Land Application Sites, and Open Dumps	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Dismantling and Vehicle Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Minimize Exposure	
<input type="checkbox"/> Install a consolidated processing area, including a covered and bermed impermeable concrete surface equipped with a drain (not connected to a sanitary sewer), to catch all drained fluids.	
Fluid and Parts Removal	
<input type="checkbox"/> Inspect vehicles for leaks as soon as possible once they arrive on site and check for unwanted material that could be in the vehicle.	
<input type="checkbox"/> Inspect vehicles quarterly for signs of leakage.	
<input type="checkbox"/> When pulling parts from vehicles in the yard, employ a catch sled or tray to recover the majority of fluids that are released.	
<input type="checkbox"/> Place drip pans, large plastic sheets, or canvas under vehicles or equipment during maintenance and dismantling activities.	
<input type="checkbox"/> To prevent accidental spills, do not leave drip pans unattended.	
<input type="checkbox"/> Empty and clean drip pans and containers. Do not leave drip pans or other open containers where they can be inadvertently spilled.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Drain, segregate, and label all fluids from vehicles upon arrival at the site.	
<input type="checkbox"/> Drain fuel tanks, using air or hand pumps, into double-walled storage tanks.	
<input type="checkbox"/> Reuse "good" fuels on site or send off site for refining/fuel blending. Dispose of "bad" fuels.	
<input type="checkbox"/> Reclaim and re-use antifreeze, if possible.	
<input type="checkbox"/> Drain used motor oil as completely possible and store in double-walled tanks.	
<input type="checkbox"/> Drain oil filters for 24 hours. Return empty filters to vehicle for scrap metal reclamation.	
<input type="checkbox"/> Properly store or dispose of the fluids.	
<input type="checkbox"/> Tanks and containers must be kept in good operating condition, free of any visible spills or leaks, structural damage, and deterioration.	
<input type="checkbox"/> Remove all mercury switches as soon as possible making sure not to puncture the mercury container during removal.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store mercury switches as hazardous waste.	
<input type="checkbox"/> Ship mercury switches to End of Life Vehicle Solutions (ELVS).	
<input type="checkbox"/> When handling asbestos brake shoes and clutches, wet them down to prevent asbestos particulates from becoming airborne.	
<input type="checkbox"/> When pulling parts from vehicles in the yard, employ a catch sled or tray to recover the majority of fluids that are released.	
<input type="checkbox"/> Do not use vehicle fluids, oil, or fuels for dust or weed control.	
Vehicle Processing	
<input type="checkbox"/> Maintain an organized inventory of materials used in the maintenance shop.	
<input type="checkbox"/> Designate one person to keep track of parts in the yard.	
<input type="checkbox"/> As soon as a hulk is fully salvaged, it should be processed for shredding to minimize dripping of fluids and clutter in the yard.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
Material Storage	
<input type="checkbox"/> Consider nonhazardous substances that are contaminated with a hazardous substance to be a hazardous substance.	
<input type="checkbox"/> Store cracked batteries in a non-leaking secondary container.	
<input type="checkbox"/> Keep waste streams separate (e.g., waste oil and mineral spirits).	
Recycling and Disposal	
<input type="checkbox"/> Recycle antifreeze, gasoline, used oil, mineral spirits, windshield washer fluid, and solvents.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil, spent solvents, and batteries).	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers properly.	
Discharges	
<input type="checkbox"/> Plug floor drains that are connected to the storm or sanitary sewer. If necessary, install a sump that is pumped regularly.	
<input type="checkbox"/> Know where your sumps and drains discharge to. Do not pour liquid waste down floor drains or sinks (if connected to a sanitary sewer), or outdoor storm drain inlets.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Screen out sludge and solids before they reach the waste sump.	
<input type="checkbox"/> Use an absorbent pad around the perimeter of sumps to prevent unwanted hazardous materials from entering.	
<input type="checkbox"/> Do not hose down the shop floor. Use dry cleanup methods and/or collect the stormwater runoff from the maintenance area and treat.	
<input type="checkbox"/> Treat stormwater discharges with devices such as oil-water separators.	
Pollutant Source 2: Outdoor Vehicle, Equipment, and Parts Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Minimizing Exposure	
<input type="checkbox"/> Cover all storage areas with a permanent or temporary cover.	
<input type="checkbox"/> Store lead parts in a covered container that is capable of handling the excessive weight of lead.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If storing lead tire weights with batteries, make sure weights are not placed under batteries or allowed to roll around because they could puncture batteries.	
Runoff Control	
<input type="checkbox"/> Install curbing, berms, or dikes around storage areas.	
<input type="checkbox"/> Install berms or drainage ditches on the property line.	
<input type="checkbox"/> Install berms for uncovered outdoor storage of oily parts, engine blocks, and aboveground liquid storage.	
<input type="checkbox"/> Install filters and oil/water separators.	
<input type="checkbox"/> Use drip pans, large sheets of plastic, or canvas under all vehicles and equipment waiting for and during maintenance.	
<input type="checkbox"/> Store mercury switches in covered, leak-proof containers in a way that prevents the glass capsule from breaking.	
<input type="checkbox"/> Manage mercury switches as hazardous waste. Containers should be labeled with "Hazardous Waste - Spent Mercury Switches".	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use secondary containment for stored liquids such as oil, gas, and antifreeze, as well as for lead acid batteries.	
Good Housekeeping	
<input type="checkbox"/> Secure and lock storage areas.	
<input type="checkbox"/> Use indoor tire racks instead of stockpiling used tires outside because used tires are a fire hazard and a breeding ground for mosquitoes and rodents.	
<input type="checkbox"/> Confine storage of parts, equipment, and vehicles to designated areas.	
<input type="checkbox"/> Vehicles of similar make and model should be located in a common area. Vehicles whose parts have higher demand should be in a common area and easily accessible.	
<input type="checkbox"/> Repair malfunctioning equipment that is leaking or causing spills as soon as possible.	
<input type="checkbox"/> Store batteries on impervious surfaces. Store batteries inside on a pallet or outside in a leak-proof container. Curb, dike, or berm this area.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 3: Vehicle, Equipment, and Parts Washing Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Clean vehicle, equipment, and parts in designated areas.	
<input type="checkbox"/> Clean parts using minimal amounts of solvents and detergents.	
<input type="checkbox"/> Recycle and reuse cleaning fluids if practical.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Use detergent-based or water-based cleaning systems in place of organic solvent degreasers.	
<input type="checkbox"/> Contain steam cleaning wash water or discharge under an applicable National Pollutant Discharge Elimination System (NPDES) permit.	
<input type="checkbox"/> Ensure that wash water that flows into drains does not back up.	
<input type="checkbox"/> Inspect cleaning area weekly.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Collect fluid in a covered container, test it, and disposed of it accordingly.	
Pollutant Source 4: Vehicle Crushing Activities Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Remove or deploy airbags prior to crushing or other maintenance activities.	
<input type="checkbox"/> Be certain all fluids have been drained from vehicle prior to crushing.	
<input type="checkbox"/> Capture crusher fluids to prevent spillage. Do not allow fluids to drain onto the ground.	
<input type="checkbox"/> Collect fluids in a spill-proof covered container and properly dispose of fluids.	
<input type="checkbox"/> Keep the drain within the crusher clean so that the fluids do not collect and overflow from the crusher onto the ground.	
<input type="checkbox"/> For an ideal foundation under the crusher, install an engineering fabric, such as geotextiles, followed by gravel, or a bermed impermeable concrete surface.	
<input type="checkbox"/> Implement a preventative maintenance program that involves timely inspections and/or maintenance of the crusher and facility equipment and vehicles.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep the crusher equipment clean.	
Pollutant Source 5: Illicit Connection to Storm Sewer Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Plug all floor drains if it is unknown whether the connection is to storm sewer or sanitary sewer systems. Alternatively, install a sump that is pumped regularly.	
<input type="checkbox"/> Perform smoke or dye testing to determine if interconnections exist between sanitary water system and storm sewer system.	
<input type="checkbox"/> Update facility schematics to accurately reflect all plumbing connections.	
<input type="checkbox"/> Install a safeguard against vehicle wash water and parts cleaning waters entering the storm sewer unless permitted.	
<input type="checkbox"/> Prevent vehicle wash water entering the storm sewer unless permitted.	
<input type="checkbox"/> Maintain and inspect the integrity of all underground storage tanks. Replace tanks when necessary.	
<input type="checkbox"/> Train employees on proper disposal practices for all materials.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 6: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 7: Vehicle and Equipment Fueling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling,, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 8: Vehicle and Equipment Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 9: Vehicle and Equipment Storage and Parking Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	

Stormwater Control Measures: Sector M – Automobile Salvage Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

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Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Inbound Recyclable and Waste Material Control	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Provide information/education to suppliers of scrap and recyclable waste materials on draining and properly disposing of residual fluids (e.g., from vehicles and equipment engines, radiators and transmissions, oil filled transformers, and individual containers or drums), prior to delivery to the facility.	
<input type="checkbox"/> Write a list of materials that will not be accepted at the facility, as well as materials that will be accepted but require special handling procedures.	
<input type="checkbox"/> Train employees engaged in the inspection and acceptance of inbound recyclable materials within the first week of employment followed by refresher training annually and as needed.	
<input type="checkbox"/> Inspect incoming materials for items on the prohibited materials/special handling list. Have truck drivers picking up loads off site conduct preliminary inspections for items on the list before hauling.	
<input type="checkbox"/> Check incoming scrap materials for potential fluid contents and batteries.	
<input type="checkbox"/> Drain all fluids from vehicles upon arrival at the site. Segregate the fluids and properly store or dispose of them. Drain fluids only in designated area over impervious surfaces or drip pans. Contain the area to prevent stormwater run-on and runoff. Cover area with roofs or tarps.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep waste streams separate (e.g., waste oil and mineral spirits).	
<input type="checkbox"/> Store liquid wastes, including used oil, in materially compatible and non-leaking containers. Dispose of or recycle liquid wastes in accordance with Resource Conservation and Recovery Act (RCRA). Nonhazardous substances that are contaminated with a hazardous substance are considered a hazardous substance.	
<input type="checkbox"/> Recycle antifreeze, gasoline, used oil, mineral spirits, and solvents.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers properly.	
<input type="checkbox"/> Label and track recycling of waste material (e.g., used oil, spent solvents, batteries).	
<input type="checkbox"/> Drain oil filters before disposal or recycling.	
<input type="checkbox"/> Store cracked batteries in a non-leaking secondary container.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Do not pour liquid waste down floor drains, sinks, or outdoor storm drain inlets.	
<input type="checkbox"/> Plug floor drains that are connected to the storm or sanitary sewer. If necessary, install a sump that is pumped regularly.	
<input type="checkbox"/> Inspect the maintenance area regularly for proper implementation of control measures.	
<input type="checkbox"/> Filter stormwater discharges with devices such as oil/water separators.	
<input type="checkbox"/> Train employees on proper waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 2: Scrap Material Storage: Liquids	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use drip pans under all vehicles/equipment waiting for processing.	
<input type="checkbox"/> Store batteries on impervious surfaces that are surrounded by curbs, dikes, or berms.	
<input type="checkbox"/> Confine storage to designated areas.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Cover all storage areas with a permanent (e.g., roofs) or temporary covers (e.g., canvas tarps).	
<input type="checkbox"/> Install diversion devices such as curbing, berms, containment trenches, culverts, or dikes around storage areas.	
<input type="checkbox"/> Install oil/water separators, sumps, and dry absorbents for areas where potential sources of residual fluids are stockpiled (e.g., automobile engine storage areas).	
<input type="checkbox"/> Inspect the storage yard regularly for full drip pans.	
<input type="checkbox"/> Train appropriate employees on procedures for storage and inspections within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 3: Scrap Material Storage: Bulk Solid Materials Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Minimize run-on into areas where significant materials are stored. Use diversion structures such as curbing, berms, containment trenches, surface grading, elevated concrete pads, or other equivalent measures.	
<input type="checkbox"/> Use adsorbents or collect leaks or spills of oil, fuel, transmission, and brake fluids (e.g., dry absorbent, drip pans).	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store batteries on impervious surfaces. Curb, dike, or berm this area.	
<input type="checkbox"/> Locate spill pans under stored vehicles.	
<input type="checkbox"/> Install media filters such as catch basin and sand filters.	
<input type="checkbox"/> Install oil/water separator in storage areas with vehicle transmissions and engines.	
<input type="checkbox"/> Provide storage bins and containers for non-recyclable waste.	
<input type="checkbox"/> Conduct periodic inspections. Conduct preventative maintenance as necessary.	
<input type="checkbox"/> Provide equipment operator training to minimize damage to controls (e.g., curbing and berms) within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 4: Other Storage: Lightweight Materials	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Maintain good integrity of all storage containers.	
<input type="checkbox"/> Inspect storage tanks at least monthly to detect potential leaks and perform preventive maintenance.	
<input type="checkbox"/> Inspect piping systems (pipes, pumps, flanges, couplings, hoses, and valves) at least monthly for failures or leaks.	
<input type="checkbox"/> Train employees on proper filling and transfer procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 5: Scrap Processing Operations	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Utilize appropriate containment vessels for shredded material, especially lightweight materials such as fluff.	
<input type="checkbox"/> Situate such vessels at the discharge point of these materials from the air classification system.	
<input type="checkbox"/> Cover hydraulic equipment and combustion engines.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use dry cleanup materials (e.g., dry adsorbents, drip pans, etc.) to prevent contact of hydraulic fluids, oils, fuels, etc., with stormwater runoff.	
<input type="checkbox"/> Locate process equipment on elevated concrete pads or provide runoff diversion structures around process equipment such as berms, containment trenches, surface grading, or other equivalent measure.	
<input type="checkbox"/> Discharge runoff in bermed areas to a sump, oil/water separator, media filter, or, if approved, discharge to sanitary sewer.	
<input type="checkbox"/> Stabilize high-traffic areas with concrete pads, gravel, and/or pavement around processing equipment.	
<input type="checkbox"/> Install an alarm, pump shutoff, or sufficient containment for hydraulic reservoirs in the event of a line break.	
<input type="checkbox"/> Provide site gauges or overfill protection devices for all liquid and fuel storage reservoirs and tanks.	
<input type="checkbox"/> Regularly clean accumulated fluids and particulate residue around all scrap processing equipment to prevent any buildup.	
<input type="checkbox"/> Inspect equipment weekly for malfunctioning, worn, or corroded parts. Look for spills and leakage of fluids, oil, fuel, and hydraulic fluids.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Conduct routine preventive maintenance of equipment per original equipment manufacturer (OEM) recommendations. Replace worn or malfunctioning parts.	
<input type="checkbox"/> Conduct periodic maintenance and clean out of all sumps, oil/water separators, and/or media filters.	
<input type="checkbox"/> Dispose of residual waste materials properly in accordance with Resource Conservation and Recovery Act (RCRA).	
<input type="checkbox"/> Install retention/detention ponds/basins, sediment traps, or vegetated swales or strips for pollutant settling/filtration.	
<input type="checkbox"/> Establish spill prevention and response procedures, including employee training.	
<input type="checkbox"/> Provide training to equipment operators on how to minimize exposure of runoff to scrap processing areas within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 6: Scrap Lead Acid Battery Program Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Establish inspection and acceptance procedures for scrap lead-acid batteries. Provide supplier training on acceptance practices for scrap batteries.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Separate scrap batteries from other scrap materials.	
<input type="checkbox"/> Store batteries indoors or under cover on an impervious surface.	
<input type="checkbox"/> Raise batteries off the floor with pallets or store in covered, leak-proof containers.	
<input type="checkbox"/> Establish procedures for the collection, storage, handling, and disposal of cracked or broken batteries in accordance with applicable federal regulations including Resource Conservation and Recovery Act (RCRA).	
<input type="checkbox"/> Neutralize acid leaks with sodium carbonate, soda ash, or other absorbent materials.	
<input type="checkbox"/> Train appropriate employees on the safe handling, storage, and disposal of scrap batteries within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 7: Supplies for Process Equipment	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Locate storage drums containing liquids, including oils and lubricants indoors.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Alternatively, locate palletized drums and containers on an impervious surface and provide sufficient containment around the materials.	
<input type="checkbox"/> Provide sumps and/or oil/water separators, if necessary.	
<input type="checkbox"/> Inspect containment areas and containers/drums for corrosion weekly.	
<input type="checkbox"/> Perform preventive maintenance of BMPs as necessary.	
<input type="checkbox"/> Train employees on proper material handling and storage procedures within the first week of employment followed by refresher training annually and as needed.	
<p>Pollutant Source 8: Materials Handling and Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)</p>	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 9: Illicit Connection to Storm Sewer Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Plug all floor drains if it is unknown whether the connection is to storm sewer or sanitary sewer systems. Alternatively, install a sump that is pumped regularly.	
<input type="checkbox"/> Perform smoke or dye testing to determine if interconnections exist between sanitary water system and storm sewer system.	
<input type="checkbox"/> Update facility schematics to accurately reflect all plumbing connections.	
<input type="checkbox"/> Install a safeguard against vehicle wash water and parts cleaning waters entering the storm sewer unless permitted.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prevent vehicle wash water entering the storm sewer unless permitted.	
<input type="checkbox"/> Maintain and inspect the integrity of all underground storage tanks. Replace tanks when necessary.	
<input type="checkbox"/> Train employees on proper disposal practices for all materials.	
Pollutant Source 10: Vehicle and Equipment Fueling Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling,, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 11: Vehicle and Equipment Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<p>site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.</p>	
Inspections and Training	
<p><input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.</p>	
<p><input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.</p>	
<p><input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.</p>	
Pollutant Source 12: Vehicle and Equipment Storage and Parking	
<p>Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)</p>	
<p><input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.</p>	
<p><input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.</p>	
<p><input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.</p>	

Stormwater Control Measures: Sector N – Scrap Recycling and Waste Recycling Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Coal Pile Management	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from surface waters.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
<input type="checkbox"/> Where possible store coke and coal under cover, indoors, or with other structures to prevent wind-blown losses.	
<input type="checkbox"/> Use control measures such as berms, silt fencing, or waddles to prevent sediment from leaving storage area.	
<input type="checkbox"/> Practice good stockpiling practices such as storing materials on concrete or asphalt pads and/or surrounding stockpiles using diversion dikes or curbs to limit run-on and to slow runoff.	
<input type="checkbox"/> Trap particulates originating in coke or coal storage/handling areas with filter fabric fences, gravel outlet protection, sediment traps, vegetated swales, buffer strips of vegetation, catch-basin filters, retention/detention basins, or equivalent.	
<input type="checkbox"/> Minimize quantities of coke or coal stored on site through implementation of effective inventory control.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Practice good housekeeping measures such as frequent removal of dust and debris. Cleanup methods may include mobile sweepers, scrapers, or scoops.	
<input type="checkbox"/> Use properly designed basins for collection, containment, and recycling of pile spraying materials.	
<input type="checkbox"/> Train applicable employees in good housekeeping measures within first week of employment followed by refresher training annually and as needed.	
Pollutant Source 2: Fugitive Dust Emissions Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Establish procedures to minimize off-site tracking of coal dust.	
<input type="checkbox"/> Use specially designed tires.	
<input type="checkbox"/> Wash vehicles before they leave the site in a designated area where wash water can be controlled.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 3: Delivery Vehicles	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Empty and clean oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
Pollutant Source 4: Fuel Oil Unloading Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine loading/unloading activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	
<input type="checkbox"/> Use containment curbs in unloading areas.	
<input type="checkbox"/> Use spill and overflow protection (drip pans, drip diapers, etc.) beneath fuel oil connectors.	
<input type="checkbox"/> For rail transfer, install a drip pan within the rails to collect spillage from the tank.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Develop and implement spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Train employees in spill prevention, control, and cleanup.	
<input type="checkbox"/> Personnel familiar with spill prevention and response procedures should be present during unloading to ensure that any leaks or spills are immediately contained and cleaned up.	
Pollutant Source 5: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 6: Miscellaneous Loading / Unloading	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine loading/unloading activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Inspect containers for leaks or damage prior to loading/unloading.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Avoid loading/unloading materials in the rain or provide cover or other protection for loading docks.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	
<input type="checkbox"/> Cover loading and unloading areas and perform these activities on an impervious pad to easily collect spilled materials.	
<input type="checkbox"/> Slope the impervious concrete floor or pad to collect spills and leaks and convey them to proper containment and treatment.	
<input type="checkbox"/> Regularly sweep area to minimize debris on the ground.	
Pollutant Source 7: Large Bulk Fuel Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or an oil/water separator, catch basin filter, etc. If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable. If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 8: Oil Bearing Equipment Switchyards	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Construct level grades and gravel surfaces to slow flows and limit the spread of spills.	
<input type="checkbox"/> Collect stormwater runoff in perimeter ditches.	
Pollutant Source 9: Residue Hauling Vehicles	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Inspect all residue hauling vehicles for proper load covering, adequate gate sealing, and overall integrity of the body or container.	
<input type="checkbox"/> Repair vehicles lacking in the above qualities.	
Pollutant Source 10: Ash Loading Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Clear the ash building floor and immediately adjacent roadways of spillage, debris, and excess water before each loaded vehicle departs.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 11: Vehicle and Equipment Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 12: Vehicle and Equipment Fueling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof / canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling,, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within first week of employment followed by refresher training annually and as needed.	
Pollutant Source 13: Vehicle and Equipment Storage and Parking	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	

Stormwater Control Measures: Sector O – Steam Electric Power Generating Facilities, Including Coal Handling Areas	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Vehicle and Equipment Fueling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof / canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling,, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within first week of employment followed by refresher training annually and as needed.	
Pollutant Source 2: Vehicle and Equipment Maintenance Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 3: Vehicle and Equipment Storage and Parking Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 4: Locomotive Sanding Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Cover sand storage piles.	
<input type="checkbox"/> Confine storage to areas outside of drainage pathways and away from surface waters.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
<input type="checkbox"/> Practice good housekeeping measures such as frequent removal of dust and debris. Cleanup methods may include sweepers, scrapers, or scoops.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use properly designed basins for containment and collection.	
<input type="checkbox"/> Use control measures such as berms, silt fencing, waddles, or sediment traps to prevent sediment from leaving storage area.	
Pollutant Source 5: Painting Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Prohibit uncontained spray painting activities. Also prohibit spray painting activities during windy conditions, which can render containment ineffective.	
<input type="checkbox"/> Enclose, cover, or contain painting activities to the maximum extent practical to prevent overspray from reaching surface waters.	
<input type="checkbox"/> Train applicable employees on proper sanding, painting, and spraying techniques within the first week of employment followed by refresher training annually and as needed.	
<input type="checkbox"/> Use high-transfer-efficiency coating techniques such as brushing and rolling to reduce overspray and solvent emissions.	
<input type="checkbox"/> Use spray equipment that delivers more paint to the target and less overspray.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Mix paints and solvents in designated areas away from drains, ditches, piers, and surface waters, preferably indoors or under cover.	
<input type="checkbox"/> Keep absorbent and other cleanup items readily available for immediate cleanup of spills.	
<input type="checkbox"/> Allow empty paint cans to dry before disposal.	
<input type="checkbox"/> Store paint and paint thinner away from high-traffic areas to avoid spills.	
<input type="checkbox"/> Recycle paint, paint thinner, and solvents.	
<input type="checkbox"/> Establish and implement effective inventory control to reduce paint waste, including tracking the date received and expiration dates.	
<input type="checkbox"/> Store waste paint, solvents, and rags in covered containers to prevent evaporation to the atmosphere.	
<input type="checkbox"/> Use solvents with low volatility and coatings with low VOC content.	
<input type="checkbox"/> Use high-transfer-efficiency coating techniques such as brushing and rolling to reduce solvent emissions and overspray.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Do not wash equipment outside on pavement or into storm drains.	
<input type="checkbox"/> Wash paint brushes, rollers, and other equipment in utility sinks or other locations where wash water is treated or hauled.	
<input type="checkbox"/> Monitor painting operations to ensure that they are conducted properly.	
<input type="checkbox"/> Train applicable employees on proper sanding, painting, and spraying techniques within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 6: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 7: Cold Weather Activities Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Minimize application of salt and abrasives.	
<input type="checkbox"/> When abrasives are necessary, use uncontaminated sand or ash.	
<input type="checkbox"/> Train applicable employees on proper salt and abrasive application procedures within first week of employment followed by refresher training annually and as needed.	
Pollutant Source 8: Illicit Connection to Storm Sewer Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Plug all floor drains if it is unknown whether the connection is to storm sewer or sanitary sewer systems. Alternatively, install a sump that is pumped regularly.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Perform smoke or dye testing to determine if interconnections exist between sanitary water system and storm sewer system.	
<input type="checkbox"/> Update facility schematics to accurately reflect all plumbing connections.	
<input type="checkbox"/> Install a safeguard against vehicle wash water and parts cleaning waters entering the storm sewer unless permitted.	
<input type="checkbox"/> Prevent vehicle wash water entering the storm sewer unless permitted.	
<input type="checkbox"/> Maintain and inspect the integrity of all underground storage tanks. Replace tanks when necessary.	
<input type="checkbox"/> Train employees on proper disposal practices for all materials.	
Pollutant Source 9: Petroleum Bulk Oil Stations and Terminals – Liquid Storage in Aboveground Storage Tanks	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Install and connect sump outlet to sanitary sewer (if possible) or an oil/water separator, catch basin filter, etc.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
<input type="checkbox"/> Provide secondary containment, such as dikes.	
<input type="checkbox"/> Size the secondary containment to contain a spill the greater of 10 percent of the total enclosed tank volume or 110 percent of the volume contained in the largest tank.	
<input type="checkbox"/> If containment structures have drains, ensure that the drains have valves and that valves are maintained in the closed position.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Use double-walled tanks with overflow protection.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train applicable employees on proper spill prevention and control procedures within first week of employment followed by refresher training annually and as needed.	
Pollutant Source 10: Petroleum Bulk Oil Stations and Terminals – Petroleum Loading and Unloading Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine loading/unloading activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	
<input type="checkbox"/> Avoid loading/unloading materials in the rain or provide cover or other protection for loading docks.	
<input type="checkbox"/> Cover loading and unloading areas and perform these activities on an impervious pad to enable easy collection of spilled materials.	
<input type="checkbox"/> Provide overhangs at truck loading/unloading docks.	
<input type="checkbox"/> Slope the impervious concrete floor to collect spills and leaks and convey them to proper containment and treatment.	
<input type="checkbox"/> For rail transfer, install a drip pan within the rails to collect spillage from the tank.	

Stormwater Control Measures: Sector P – Land Transportation and Warehousing	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> For transfer to/from truck or rail cars, ensure hose connection points at storage containers are inside containment areas. Alternatively, use drip pans in areas where spillage may occur outside a containment area.	
<input type="checkbox"/> Regularly sweep the area to minimize debris on the ground.	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Train applicable employees on proper spill prevention, control, cleanup, and transfer techniques within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Vessel Cleaning (In Water)	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> When possible, remove boat from water and perform cleaning where debris can be captured and properly disposed.	
<input type="checkbox"/> Prohibit in-water hull scraping and underwater abrasive processes to preclude remove anti-fouling paint from the boat hull.	
<input type="checkbox"/> When washing above the waterline, use detergents/cleaning compounds that are phosphate-free and biodegradable.	
<input type="checkbox"/> Prohibit the use of traditional sudsing cleaners that must be rinsed off and the use of detergents containing ammonia, sodium hypochlorite, chlorinated solvents, petroleum distillates, or lye.	
<input type="checkbox"/> Supply biodegradable spray-type cleaners that do not require rinsing.	
<input type="checkbox"/> Minimize quantity of cleaners used as much as possible.	
<input type="checkbox"/> Educate employees on negative impacts of traditional cleaners.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train applicable employees on environmentally-sound sanding, painting, and spraying techniques within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 2: Surface Preparation, Sanding, and Paint Removal Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> As much as practicable, enclose, cover, or contain blasting and sanding activities to the extent practical to prevent abrasives, dust, and paint chips from reaching storm sewers or receiving water.	
<input type="checkbox"/> Enclose activities with plastic barriers or tarpaulins to contain debris.	
<input type="checkbox"/> When wind conditions could render containment ineffective, prohibit blasting and sanding activities.	
<input type="checkbox"/> Cover drains, trenches, and drainage channels to prevent entry of blasting debris to the system.	
<input type="checkbox"/> Prohibit performing blasting and sanding activities over open water unless fully contained.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If sanding is conducted in-water, cover the water near the vessel with floating traps or surround the immediate area with floating booms and remove debris with a skimmer	
<input type="checkbox"/> Use vacuum sanding systems to collect sanding dust as it is created.	
<input type="checkbox"/> Prohibit discharge of bottom paint residues to surface waters or land.	
<input type="checkbox"/> Perform paint removal activities from vessel bottoms over an impermeable surface such as sealed asphalt or cement (i.e., not over open ground).	
<input type="checkbox"/> Install a retaining berm so that the wastewater can be contained.	
<input type="checkbox"/> Collect bottom paint residues for disposal by a licensed waste hauler.	
<input type="checkbox"/> Inspect and clean sediment traps to ensure that solids are successfully intercepted and retained before they enter the drainage system.	
<input type="checkbox"/> In the drydock, sweep accessible areas to remove debris and spent sandblasting material prior to flooding.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Properly dispose of debris and spent sandblasting material.	
<input type="checkbox"/> Collect spent abrasives routinely and store under a cover to await proper disposal.	
<input type="checkbox"/> Store used solvent strippers.	
<input type="checkbox"/> Reuse or recycle solvent strippers (strippers, particularly stripping baths, can generally be reused several times before their effectiveness is diminished).	
<input type="checkbox"/> Use environmentally sensitive chemical paint strippers.	
<input type="checkbox"/> Inspect the area at least weekly to ensure that SCMs are properly implemented.	
<input type="checkbox"/> Train applicable employees on proper waste control and disposal within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 3: Painting	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> As much as practicable, enclose, cover, or contain painting activities to the extent practical to prevent overspray and related debris from reaching storm sewers or receiving water.	
<input type="checkbox"/> Hang plastic barriers or tarpaulins during painting operations to contain debris.	
<input type="checkbox"/> Prohibit uncontained spray painting activities over open water.	
<input type="checkbox"/> Prohibit spray painting activities during windy conditions which render containment ineffective.	
<input type="checkbox"/> Use spray equipment/technology that delivers more paint to the target and less overspray.	
<input type="checkbox"/> Mix paints and solvents in designated areas away from drains, ditches, piers, and surface waters.	
<input type="checkbox"/> Perform mixing activities indoors or under cover.	
<input type="checkbox"/> Have absorbent and other cleanup items readily available for immediate cleanup of spills.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Allow empty paint cans to dry before disposal.	
<input type="checkbox"/> Store paint and paint thinner away from traffic areas to avoid spills.	
<input type="checkbox"/> Implement an inventory control system to reduce paint waste, including tracking date received and expiration dates.	
<input type="checkbox"/> Recycle paint, paint thinner, and solvents.	
<input type="checkbox"/> Store waste paint, solvents, and rags in covered containers to prevent evaporation to the atmosphere.	
<input type="checkbox"/> Use solvents with low volatility and coatings with low VOC content.	
<input type="checkbox"/> Use high-transfer-efficiency coating techniques such as brushing and rolling to reduce overspray and solvent emissions.	
<input type="checkbox"/> Train applicable employees on proper painting and spraying techniques within first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 4: Drydock Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Clean and maintain drydock on a regular basis to minimize the buildup of pollutants.	
<input type="checkbox"/> Prior to flooding, sweep accessible areas of the drydock to remove debris and spent sandblasting material.	
<input type="checkbox"/> Properly dispose of debris and spent sandblasting material.	
<input type="checkbox"/> Collect wash water and remove solids and metals.	
<input type="checkbox"/> Use a licensed waste disposal company to treat or dispose of wash water.	
<input type="checkbox"/> Clean the remaining areas of the dock after a vessel has been removed and the dock raised.	
<input type="checkbox"/> Remove waste, including floatable and other low-density waste (wood, plastic, insulations, etc.), and place in closed containers for disposal.	
<input type="checkbox"/> Keep absorbent materials and oil containment booms readily available to contain/clean up any spills.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train applicable employees on drydock maintenance procedures within first week of employment followed by refresher training annually and as needed.	
Pollutant Source 5: Drydock Operations Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Keep track of all equipment, supplies, and waste. Store them in a clean, orderly fashion.	
<input type="checkbox"/> Use plastic barriers beneath the hull and between the hull and drydock walls for containment.	
<input type="checkbox"/> Hang plastic barriers from the flying bridge of the drydock, from the bow or stern of the vessel, or from temporary structures for containment.	
<input type="checkbox"/> Weigh down the bottom edge of the containment tarpaulins or plastic sheeting during a light breeze.	
<input type="checkbox"/> To facilitate the implementation of containment, install tie rings or cleats, a cable suspension system, or scaffolding.	
<input type="checkbox"/> When sandblasting (scuppers, railings, freeing ports, ladders, and doorways), use plywood and/or plastic sheeting to cover open areas between decks.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect the maintenance area regularly to ensure that SCMs are implemented.	
<input type="checkbox"/> Train applicable employees on environmentally sound drydock activities and waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 6: Vehicle and Equipment Fueling Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Fueling - Stationary	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad.	
<input type="checkbox"/> Alternatively, conduct fueling operations under a roof or canopy.	
<input type="checkbox"/> Extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> If fueling takes place in an uncovered area, do so on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Where hose connections are made and broken, and leaks or spills of fuel could occur, use drip pans.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use fuel hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Keep spill cleanup materials readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing it down.	
<input type="checkbox"/> Sweep up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs, oil/water separators), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Regularly inspect and perform preventive maintenance on fuel storage tanks to detect potential leaks before they occur.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect the fueling area for leaks and spills.	
<input type="checkbox"/> Install curbing or bollards around fuel pumps to prevent collisions during vehicle ingress and egress.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Alternatively, direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Empty and clean oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly.	
<input type="checkbox"/> Sweep up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Train applicable employees on vehicle fueling SCMs within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
Fueling - Mobile	
<input type="checkbox"/> Use a drip pan under the transfer hose.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Ensure that the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Train applicable employees on vehicle fueling SCMs within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 7: Engine Maintenance and Repairs	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct operations over land.	
<input type="checkbox"/> Avoid conducting repairs over water.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Move work indoors, if possible.	
<input type="checkbox"/> Alternatively, create temporary work enclosures using heavy-gauge polypropylene plastic stretched over a tubular metal frame (or comparable materials).	
<input type="checkbox"/> If operations are uncovered, perform them on a contained, impervious concrete pad.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water.	
<input type="checkbox"/> Use dry cleanup methods.	
<input type="checkbox"/> Drain all parts of fluids into appropriate containers for waste disposal or reuse.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Periodically clean drip pans and containers.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Promptly transfer collected fluids to an appropriate closed container. Do not leave out full drip pans or other open containers.	
<input type="checkbox"/> Crush and recycle oil filters.	
<input type="checkbox"/> Properly treat or dispose of collected wastes by a licensed waste disposal company.	
<input type="checkbox"/> Prohibit pouring liquid waste down storm drains, or down floor drains, sinks, and/or sewer connections.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Train applicable employees on maintenance/repair SCMs within the first week of employment followed by periodic refresher training.	
Pollutant Source 8: Engine Parts Washing	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Conduct cleaning operations in an area with a concrete floor with no floor drainage other than to sanitary sewers (if treatment works can accept the discharge) or treatment facilities.	
<input type="checkbox"/> Plug floor drains that are connected to the storm or sanitary sewer (if treatment works cannot accept the discharge).	
<input type="checkbox"/> If necessary, install a sump that is pumped regularly.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Perform parts washing in a container or parts washer with a lid to prevent evaporation.	
<input type="checkbox"/> Rinse or air dry the parts over the parts cleaning container.	
<input type="checkbox"/> Prevent and contain spills and drips.	
<input type="checkbox"/> Treat water soluble engine washing fluid in the same manner as other industrial wastewaters. Use a licensed waste hauler to either recycle or dispose of fluid.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the exposure of pollutants to stormwater.	
<input type="checkbox"/> Train applicable employees on environmentally sound engine parts washing procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 9: Engine and Parts Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store on an impervious surface such as sealed asphalt or cement.	
<input type="checkbox"/> Cover storage area to avoid contact with stormwater.	
<input type="checkbox"/> Use drip pans to prevent oil and grease from leaking onto the open ground.	
<input type="checkbox"/> Secure engines and parts.	
Pollutant Source 10: Materials Handling and Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 11: Designated Material Mixing Areas Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Mix paints and solvents in designated areas away from drains, ditches, piers, and surface waters. Locate designated areas preferably indoors or under a shed.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If a spill occurs, stop the source of the spill immediately and keep the area well ventilated.	
<input type="checkbox"/> Contain the liquid until cleanup is complete.	
<input type="checkbox"/> Deploy oil containment booms if the spill may reach surface water.	
<input type="checkbox"/> Cover the spill with absorbent material.	
<input type="checkbox"/> Prohibit the use of emulsifier or dispersant.	
<input type="checkbox"/> Dispose of cleanup materials in the same manner as the spilled material.	
Pollutant Source 12: Shipboard Process Water Handling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Keep process and cooling water used aboard ships separate from sanitary wastes to minimize disposal costs for the sanitary wastes.	
<input type="checkbox"/> Prevent process wastewater and cooling water from contacting spent abrasives and paint to avoid discharging these pollutants.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect connecting hoses for leaks.	
Pollutant Source 13: Shipboard Sanitary Waste Disposal Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> For ships under repair, discharge sanitary wastes to the yard's sanitary system or dispose of it by a commercial waste disposal company.	
<input type="checkbox"/> Develop and implement spill plans.	
<input type="checkbox"/> Train applicable employees in material transfer procedures, including spill prevention and containment activities, within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 14: Bilge and Ballast Water Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Dispose of bilge and ballast waters containing oils, solvents, detergents, and other additives via a licensed waste disposal company.	
Pollutant Source 15: Petroleum Loading and Unloading Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Cover loading/unloading areas.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Alternatively, provide overhangs at truck loading/unloading docks.	
<input type="checkbox"/> Perform loading/unloading on an impervious pad to enable easy collection of spilled materials.	
<input type="checkbox"/> Slope the impervious concrete floor to collect spills and leaks and convey them to proper containment and treatment.	
<input type="checkbox"/> If not coverable, confine loading/unloading activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	
<input type="checkbox"/> Prohibit loading/unloading materials in the rain.	
<input type="checkbox"/> For transfer to or from truck or rail cars, ensure hose connections at storage containers are inside containment areas.	
<input type="checkbox"/> Alternatively, use drip pans where spillage may occur in areas not in a containment area.	
<input type="checkbox"/> For rail transfer, install a drip pan within the rails to collect spillage from the tank.	

Stormwater Control Measures: Sector Q – Water Transportation	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Regularly sweep area to minimize debris on the ground.	
<input type="checkbox"/> Develop and implement spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Train employees on proper spill prevention, control, cleanup, and transfer techniques within the first week of employment followed by refresher training annually and as needed.	

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Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Pressure Washing	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Pressure wash only in designated areas where wash water containment can be effectively achieved.	
<input type="checkbox"/> Prohibit the use of detergents and additives in the pressure wash water.	
<input type="checkbox"/> Collect discharge water and remove all visible solids before discharging to a sewer system, or, where permitted, to a drainage system, or receiving water.	
<input type="checkbox"/> Reuse collected water, if possible.	
<input type="checkbox"/> Direct deck drainage to a collection system sump for settling and/or additional treatment.	
<input type="checkbox"/> Implement diagonal trenches or berms and sumps at marine railways to contain and collect wash water.	
<input type="checkbox"/> At lift platforms, use solid decking, gutters, and sumps to contain and collect wash water.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 2: Surface Preparation, Sanding, and Paint Removal	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> As much as practicable, enclose, cover, or contain blasting and sanding activities to the extent practical to prevent abrasives, dust, and paint chips from reaching storm sewers or receiving water.	
<input type="checkbox"/> Enclose activities with plastic barriers or tarpaulins to contain debris.	
<input type="checkbox"/> When wind conditions could render containment ineffective, prohibit blasting and sanding activities.	
<input type="checkbox"/> Cover drains, trenches, and drainage channels to prevent entry of blasting debris to the system.	
<input type="checkbox"/> Prohibit performing blasting and sanding activities over open water unless fully contained.	
<input type="checkbox"/> If sanding is conducted in-water, cover the water near the vessel with floating traps or surround the immediate area with floating booms and remove debris with a skimmer	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use vacuum sanding systems to collect sanding dust as it is created.	
<input type="checkbox"/> Prohibit discharge of bottom paint residues to surface waters or land.	
<input type="checkbox"/> Perform paint removal activities from vessel bottoms over an impermeable surface such as sealed asphalt or cement (i.e., not over open ground).	
<input type="checkbox"/> Install a retaining berm so that the wastewater can be contained.	
<input type="checkbox"/> Collect bottom paint residues for disposal by a licensed waste hauler.	
<input type="checkbox"/> Inspect and clean sediment traps to ensure that solids are successfully intercepted and retained before they enter the drainage system.	
<input type="checkbox"/> In the drydock, sweep accessible areas to remove debris and spent sandblasting material prior to flooding.	
<input type="checkbox"/> Properly dispose of debris and spent sandblasting material.	
<input type="checkbox"/> Collect spent abrasives routinely and store under a cover to await proper disposal.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store used solvent strippers.	
<input type="checkbox"/> Reuse or recycle solvent strippers (strippers, particularly stripping baths, can generally be reused several times before their effectiveness is diminished).	
<input type="checkbox"/> Use environmentally sensitive chemical paint strippers.	
<input type="checkbox"/> Inspect the area at least weekly to ensure that SCMs are properly implemented.	
<input type="checkbox"/> Train applicable employees on proper waste control and disposal within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 3: Painting	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> As much as practicable, enclose, cover, or contain painting activities to the extent practical to prevent overspray and related debris from reaching storm sewers or receiving water.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Hang plastic barriers or tarpaulins during painting operations to contain debris.	
<input type="checkbox"/> Prohibit uncontained spray painting activities over open water.	
<input type="checkbox"/> Prohibit spray painting activities during windy conditions which render containment ineffective.	
<input type="checkbox"/> Use spray equipment/technology that delivers more paint to the target and less overspray.	
<input type="checkbox"/> Mix paints and solvents in designated areas away from drains, ditches, piers, and surface waters.	
<input type="checkbox"/> Perform mixing activities indoors or under cover.	
<input type="checkbox"/> Have absorbent and other cleanup items readily available for immediate cleanup of spills.	
<input type="checkbox"/> Allow empty paint cans to dry before disposal.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store paint and paint thinner away from traffic areas to avoid spills.	
<input type="checkbox"/> Implement an inventory control system to reduce paint waste, including tracking date received and expiration dates.	
<input type="checkbox"/> Recycle paint, paint thinner, and solvents.	
<input type="checkbox"/> Store waste paint, solvents, and rags in covered containers to prevent evaporation to the atmosphere.	
<input type="checkbox"/> Use solvents with low volatility and coatings with low VOC content.	
<input type="checkbox"/> Use high-transfer-efficiency coating techniques such as brushing and rolling to reduce overspray and solvent emissions.	
<input type="checkbox"/> Train applicable employees on proper painting and spraying techniques within first week of employment followed by refresher training annually and as needed.	
Pollutant Source 4: Drydock Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Clean and maintain drydock on a regular basis to minimize the buildup of pollutants.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prior to flooding, sweep accessible areas of the drydock to remove debris and spent sandblasting material.	
<input type="checkbox"/> Properly dispose of debris and spent sandblasting material.	
<input type="checkbox"/> Collect wash water and remove solids and metals.	
<input type="checkbox"/> Use a licensed waste disposal company to treat or dispose of wash water.	
<input type="checkbox"/> Clean the remaining areas of the dock after a vessel has been removed and the dock raised.	
<input type="checkbox"/> Remove waste, including floatable and other low-density waste (wood, plastic, insulations, etc.), and place in closed containers for disposal.	
<input type="checkbox"/> Keep absorbent materials and oil containment booms readily available to contain/clean up any spills.	
<input type="checkbox"/> Train applicable employees on drydock maintenance procedures within first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 5: Drydock Operations	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Keep track of all equipment, supplies, and waste. Store them in a clean, orderly fashion.	
<input type="checkbox"/> Use plastic barriers beneath the hull and between the hull and drydock walls for containment.	
<input type="checkbox"/> Hang plastic barriers from the flying bridge of the drydock, from the bow or stern of the vessel, or from temporary structures for containment.	
<input type="checkbox"/> Weigh down the bottom edge of the containment tarpaulins or plastic sheeting during a light breeze.	
<input type="checkbox"/> To facilitate the implementation of containment, install tie rings or cleats, a cable suspension system, or scaffolding.	
<input type="checkbox"/> When sandblasting (scuppers, railings, freeing ports, ladders, and doorways), use plywood and/or plastic sheeting to cover open areas between decks.	
<input type="checkbox"/> Inspect the maintenance area regularly to ensure that SCMs are implemented.	
<input type="checkbox"/> Train applicable employees on environmentally sound drydock activities and waste control and disposal procedures within the first week of	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
employment followed by refresher training annually and as needed.	
Pollutant Source 6: Non-Drydock Activities	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Hang tarpaulin from the boat or fixed/floating platforms to reduce wind-blown pollutants.	
<input type="checkbox"/> Pave or place tarps under marine railways.	
<input type="checkbox"/> Clean railways before the incoming tide.	
<input type="checkbox"/> Haul vessels beyond the high tide zone before commencing work.	
<input type="checkbox"/> Alternatively, halt work during high tide.	
<input type="checkbox"/> Place plastic sheeting or tarpaulin underneath boats to contain and collect waste and spent materials. Clean and sweep regularly to remove debris.	
<input type="checkbox"/> Use fixed or floating platforms with plastic or tarpaulin barriers as work surfaces.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> While working on in-water vessels, contain blast material or paint overspray within plastic or tarpaulin barriers.	
<input type="checkbox"/> Vacuum or sweep, rather than hose, to remove debris present on the dock.	
<input type="checkbox"/> Train applicable employees on environmentally sound non-drydock activities and waste control and disposal procedures within the first week of employment, followed by refresher training annually and as needed.	
Pollutant Source 7: Vehicle and Equipment Fueling Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Fueling – Stationary	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad.	
<input type="checkbox"/> Alternatively, conduct fueling operations under a roof or canopy.	
<input type="checkbox"/> Extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> If fueling takes place in an uncovered area, do so on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Where hose connections are made and broken, and leaks or spills of fuel could occur, use drip pans.	
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use fuel hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Prohibit “topping off” of fuel tanks.	
<input type="checkbox"/> Keep spill cleanup materials readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing it down.	
<input type="checkbox"/> Sweep up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs, oil/water separators), collect stormwater runoff and provide treatment or recycling.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Regularly inspect and perform preventive maintenance on fuel storage tanks to detect potential leaks before they occur.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills.	
<input type="checkbox"/> Install curbing or bollards around fuel pumps to prevent collisions during vehicle ingress and egress.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Alternatively, direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Empty and clean oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly.	
<input type="checkbox"/> Sweep up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Train applicable employees on vehicle fueling SCMs within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
Fueling - Mobile	
<input type="checkbox"/> Use a drip pan under the transfer hose.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Ensure that the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Train applicable employees on vehicle fueling SCMs within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 8: Engine Maintenance and Repairs	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct operations over land.	
<input type="checkbox"/> Avoid conducting repairs over water.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Move work indoors, if possible.	
<input type="checkbox"/> Alternatively, create temporary work enclosures using heavy-gauge polypropylene plastic stretched over a tubular metal frame (or comparable materials).	
<input type="checkbox"/> If operations are uncovered, perform them on a contained, impervious concrete pad.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water.	
<input type="checkbox"/> Use dry cleanup methods.	
<input type="checkbox"/> Drain all parts of fluids into appropriate containers for waste disposal or reuse.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Periodically clean drip pans and containers.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Promptly transfer collected fluids to an appropriate closed container. Do not leave out full drip pans or other open containers.	
<input type="checkbox"/> Crush and recycle oil filters.	
<input type="checkbox"/> Properly treat or dispose of collected wastes by a licensed waste disposal company.	
<input type="checkbox"/> Prohibit pouring liquid waste down storm drains, or down floor drains, sinks, and/or sewer connections.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Train applicable employees on maintenance/repair SCMs within the first week of employment followed by periodic refresher training.	
Pollutant Source 9: Engine Parts Washing	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Conduct cleaning operations in an area with a concrete floor with no floor drainage other than to sanitary sewers (if treatment works can accept the discharge) or treatment facilities.	
<input type="checkbox"/> Plug floor drains that are connected to the storm or sanitary sewer (if treatment works cannot accept the discharge).	
<input type="checkbox"/> If necessary, install a sump that is pumped regularly.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Perform parts washing in a container or parts washer with a lid to prevent evaporation.	
<input type="checkbox"/> Rinse or air dry the parts over the parts cleaning container.	
<input type="checkbox"/> Prevent and contain spills and drips.	
<input type="checkbox"/> Treat water soluble engine washing fluid in the same manner as other industrial wastewaters and either recycled or disposed of by a licensed waste hauler.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the exposure of pollutants to stormwater.	
<input type="checkbox"/> Train applicable employees on environmentally sound engine parts washing procedures within first week of employment followed by refresher training annually and as needed.	
Pollutant Source 10: Materials Handling and Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 11: Designated Material Mixing Areas Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Mix paints and solvents in designated areas away from drains, ditches, piers, and surface waters. Locate designated areas preferably indoors or under a shed.	
<input type="checkbox"/> If a spill occurs, stop the source of the spill immediately and keep the area well ventilated.	
<input type="checkbox"/> Contain the liquid until cleanup is complete.	
<input type="checkbox"/> Deploy oil containment booms if the spill may reach surface water.	
<input type="checkbox"/> Cover the spill with absorbent material.	
<input type="checkbox"/> Prohibit the use of emulsifier or dispersant.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Dispose of cleanup materials in the same manner as the spilled material.	
Pollutant Source 12: Shipboard Process Water Handling Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Keep process and cooling water used aboard ships separate from sanitary wastes to minimize disposal costs for the sanitary wastes.	
<input type="checkbox"/> Prevent process wastewater and cooling water from contacting spent abrasives and paint to avoid discharging these pollutants.	
<input type="checkbox"/> Inspect connecting hoses for leaks.	
Pollutant Source 13: Shipboard Sanitary Waste Disposal Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> For ships under repair, discharge sanitary wastes to the yard's sanitary system or dispose of it by a commercial waste disposal company.	
<input type="checkbox"/> Develop and implement spill plans.	
<input type="checkbox"/> Train applicable employees in material transfer procedures, including spill prevention and containment activities, within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 14: Bilge and Ballast Water	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Dispose of bilge and ballast waters containing oils, solvents, detergents, and other additives via a licensed waste disposal company.	
Pollutant Source 15: Petroleum Loading and Unloading	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Cover loading/unloading areas.	
<input type="checkbox"/> Alternatively, provide overhangs at truck loading/unloading docks.	
<input type="checkbox"/> Perform loading/unloading on an impervious pad to enable easy collection of spilled materials.	
<input type="checkbox"/> Slope the impervious concrete floor to collect spills and leaks and convey them to proper containment and treatment.	
<input type="checkbox"/> If not coverable, confine loading/unloading activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	

Stormwater Control Measures: Sector R – Ship and Boat Building and Repair Yards	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit loading/unloading materials in the rain.	
<input type="checkbox"/> For transfer to or from truck or rail cars, ensure hose connections at storage containers are inside containment areas.	
<input type="checkbox"/> Alternatively, use drip pans where spillage may occur in areas not in a containment area.	
<input type="checkbox"/> For rail transfer, install a drip pan within the rails to collect spillage from the tank.	
<input type="checkbox"/> Regularly sweep area to minimize debris on the ground.	
<input type="checkbox"/> Develop and implement spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Train employees on proper spill prevention, control, cleanup, and transfer techniques within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Deicing (Including Anti-Icing) Aircraft	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Optimize chemical deicer usage through planning.	
<input type="checkbox"/> Use tarmac ice-detection systems.	
<input type="checkbox"/> Use airport traffic flow strategies and departure slot allocation systems.	
<input type="checkbox"/> Establish a centralized aircraft deicing station.	
<input type="checkbox"/> Provide station with containment of surface and subsurface drainage.	
<input type="checkbox"/> Install a centralized deicing pad to facilitate the recovery of deicing fluid following application.	
<input type="checkbox"/> Use plug-and-pump.	
<input type="checkbox"/> Collect contaminated stormwater and deicing fluids.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store in tanks.	
<input type="checkbox"/> Alternatively, use retention or detention ponds for biochemical decomposition.	
<input type="checkbox"/> Convey runoff via vegetated swales or other infiltration measures.	
<input type="checkbox"/> Handle collected deicing fluids and contaminated stormwater appropriately to prevent spills/releases.	
<input type="checkbox"/> Recycle deicing fluid where feasible.	
<input type="checkbox"/> Release controlled amounts to a publicly owned treatment works, if allowed.	
<input type="checkbox"/> Determine whether excessive application of deicing chemicals occurs and adjust as necessary.	
<input type="checkbox"/> Reduce, if possible, the amount of deicing fluid used with:	
<input type="checkbox"/> Forced-air deicing systems.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Computer-controlled fixed-gantry systems.	
<input type="checkbox"/> Infrared technology.	
<input type="checkbox"/> Hot water.	
<input type="checkbox"/> Varying glycol content to air temperature.	
<input type="checkbox"/> Enclosed-basket deicing trucks.	
<input type="checkbox"/> Solar radiation.	
<input type="checkbox"/> Hangar storage.	
<input type="checkbox"/> Aircraft covers.	
<input type="checkbox"/> Optimize anti-icer applications.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Apply to parked aircraft overnight to make it easier to remove accumulated snow and ice in the morning.	
<input type="checkbox"/> Apply to aircraft immediately after deicing to provide extended hold-over time prior to take-off.	
<input type="checkbox"/> Use vacuum/collection trucks (glycol recovery vehicles) to collect deicing runoff from the apron surface.	
<input type="checkbox"/> Recycle the fluid (resell or reuse).	
<input type="checkbox"/> Alternatively, release collected aircraft deicing runoff to sanitary sewage facility, if allowed by sewer authority.	
<input type="checkbox"/> Alternatively, provide on-site treatment.	
<input type="checkbox"/> Recover and recycle/dispose of unused deicing fluids in deicing trucks.	
<input type="checkbox"/> Separate contaminated snow from clean snow.	
Dry Weather Deicing (Clear Ice Deicing)	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Implement control measures to prevent unauthorized discharge of deicing fluids (dry weather discharges of pollutants would need coverage under a National Pollutant Discharge Elimination System (NPDES) wastewater permit).	
<input type="checkbox"/> Prevent the fluids from entering storm sewers or other stormwater discharge points by installing storm sewer inlet covers.	
<input type="checkbox"/> Alternatively, block inlets and discharge points with booms, or install absorptive interceptors in the drains.	
<input type="checkbox"/> Collect applied deicing fluids for recycling or treatment.	
<input type="checkbox"/> Release controlled amounts of fluids to a publicly owned treatment works, if allowed.	
<input type="checkbox"/> Convey fluids to holding ponds for decomposition.	
Pollutant Source 2: Deicing/Anti-Icing Runways and Pads Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use deicers that have less of an environmental impact than urea or glycol.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Chemical options include: potassium acetate, magnesium acetate, calcium acetate, anhydrous sodium acetate, and sodium formate (list is not exclusive).	
<input type="checkbox"/> Analyze and optimize present chemical application rates.	
<input type="checkbox"/> Install devices to meter the amount of pavement deicer being applied.	
<input type="checkbox"/> Employ practices to prevent unnecessary deicer application.	
<input type="checkbox"/> Install a runway ice detection system and/or pavement sensors to monitor tarmac conditions.	
<input type="checkbox"/> Use sand where possible to enhance friction.	
<input type="checkbox"/> Heat solid deicers and sand prior to application.	
<input type="checkbox"/> Pre-wet with anti-icers to improve adhesion of solid deicers to the iced surface.	
<input type="checkbox"/> Employ mechanical systems (snowplows, brushes) prior to application of deicing chemicals.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Emphasize anti-icing operations to minimize the need to deice.	
<input type="checkbox"/> Collect contaminated runoff in a wet pond for biochemical decomposition (may be inappropriate where wildlife hazards exist).	
<input type="checkbox"/> Convey contaminated runoff via vegetated swales.	
<input type="checkbox"/> Ensure proper handling and disposal of unused deicing chemicals in vehicles.	
<input type="checkbox"/> Use ice detection systems.	
<input type="checkbox"/> Use airport traffic flow strategies and departure slot allocation systems.	
<input type="checkbox"/> Train applicable employees on environmentally-sound deicing and anti-icing procedures within the first week of employment, followed by refresher training annually and as needed.	
<p>Pollutant Source 3: Aircraft, Vehicle, and Equipment Maintenance and Service Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)</p>	
<p>Good Housekeeping</p>	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer.	
<input type="checkbox"/> If necessary, install a sump that is pumped regularly.	
<input type="checkbox"/> Use a licensed waste disposal company to properly treat or dispose of collected wastes.	
<input type="checkbox"/> Prevent and contain spills and drips.	
<input type="checkbox"/> Perform all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> Slowly remove any parts that are dipped in liquid to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to disposal.	
<input type="checkbox"/> Crush and recycle oil filters.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Do not leave full drip pans or other open containers lying around.	
<input type="checkbox"/> Transfer used fluids to the proper container promptly.	
<input type="checkbox"/> Frequently clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water.	
<input type="checkbox"/> Use absorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down the apron or hanger floor.	
<input type="checkbox"/> Prohibit pouring liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Maintain an organized inventory of material used in the maintenance areas.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil, spent solvents, batteries).	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store batteries and other significant materials indoors.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under cover when possible.	
<input type="checkbox"/> Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible.	
<input type="checkbox"/> Maintain proper control of oil leaks/spills.	
<input type="checkbox"/> Check vehicles closely for leaks and use pans to collect fluid when leaks occur.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
Management of Runoff	
<input type="checkbox"/> Minimize the contamination of stormwater runoff from all areas used for maintenance (including on the terminal apron and in dedicated hangers) to ensure that runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Use berms or curbs.	
<input type="checkbox"/> Use vegetated swales or other diversion measures.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Prevent the discharge of vehicle wash/rinse water to storm drains or surface waters.	
<input type="checkbox"/> Discharge wash water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site.	
<input type="checkbox"/> Alternatively, recycle on site.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly for proper implementation of control measures.	
<input type="checkbox"/> Train applicable employees on procedures for waste control and disposal within the first week of employment, followed by refresher training annually and as needed.	
Pollutant Source 4: Aircraft, Vehicle, and Equipment Cleaning Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Perform all cleaning operations indoors, if possible.	
<input type="checkbox"/> If washing outdoors, cover the cleaning operation.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Clearly demarcate these areas on the ground using signage or other appropriate means.	
<input type="checkbox"/> Drain wash water to a collection system and provide treatment or recycling.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Inspect cleaning area weekly to ensure controls are implemented and maintained.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within the first week of employment, followed by refresher training annually and as needed.	
Pollutant Source 5: Airport Fuel System and Fueling Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) under a roof or canopy.	
<input type="checkbox"/> Extend cover beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> Conduct fueling operations on an impervious concrete pad (not asphalt, which is not chemically resistant to the fuels being handled) if the area is uncovered.	
<input type="checkbox"/> Alternatively, conduct fueling operations on a contained pad.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Implement a system to report any spill exceeding 5 feet in any direction or which has entered the storm drainage system.	
<input type="checkbox"/> Use drip pans and absorptive materials beneath aircraft during fueling operations where fuel leaks or spills can occur and where making and breaking hose connections can occur.	
<input type="checkbox"/> Ensure that stormwater valves, plugs, and similar appurtenances are closed during fuel transfer operations.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Keep spill cleanup materials readily available.	
<input type="checkbox"/> Use dry cleanup methods for fuel areas rather than hosing down the fuel area.	
<input type="checkbox"/> Sweep up adsorbent as soon as spilled substance have been adsorbed.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide spill kits on all fuel trucks, at fueling stations, in each hangar, and at strategic locations.	
<input type="checkbox"/> Each kit should have at a minimum loose adsorbent, pig absorbent socks, a broom, and a shovel.	
<input type="checkbox"/> Store used materials in an individual sealed container. Label containers to ensure proper handling and disposal as a hazardous material.	
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Minimize run-on of stormwater into the fueling area.	
<input type="checkbox"/> Use diversion dikes, berms, or curbing.	
<input type="checkbox"/> Alternatively, use surface grading or other equivalent measures.	
<input type="checkbox"/> Divert stormwater runoff to a collection system.	
<input type="checkbox"/> Use an oil/water separator or other treatment.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Recycle the treated stormwater.	
<input type="checkbox"/> Install curbing or posts around fuel pumps to protect them.	
<input type="checkbox"/> Perform preventive maintenance on storage tanks to prevent potential leaks.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Train applicable employees on vehicle fueling BMPs within the first week of employment, followed by refresher training annually and as needed.	
Pollutant Source 6: Aircraft, Ground Vehicle, and Equipment Storage Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store aircraft, ground vehicles, and equipment indoors.	
<input type="checkbox"/> Alternatively, cover the storage area with a roof.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store aircraft, ground vehicles, and equipment awaiting maintenance in designated areas only.	
<input type="checkbox"/> Install perimeter drains, berms, and dikes around storage areas to limit run-on.	
<input type="checkbox"/> Park leaking deicing trucks in contained areas.	
<input type="checkbox"/> Clean up spills and leaks using dry adsorbents instead of water.	
<input type="checkbox"/> Collect fluid leaks from vehicles and equipment with drip pans.	
<input type="checkbox"/> Inspect the storage yard for full drip pans regularly and to ensure BMPs are implemented.	
<input type="checkbox"/> Regularly sweep area to minimize debris on the ground.	
<input type="checkbox"/> Provide dust control if necessary.	
<input type="checkbox"/> When controlling dust, sweep and/or apply water or materials that will not impact surface or groundwater.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train applicable employees on storage and inspection items within the first week of employment, followed by refresher training annually and as needed.	
Pollutant Source 7: Materials Handling and Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector S – Air Transport Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 8: Deicing Chemical Loading Areas Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store bulk aircraft deicing fluids in contained areas.	
<input type="checkbox"/> Load deicing trucks in contained areas.	

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Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Preparation of Chemical, Biological, and Physical Treatment Processes	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store process chemicals inside buildings.	
<input type="checkbox"/> Use drip pans under drums and equipment where feasible.	
<input type="checkbox"/> Inspect the storage yard for filled drip pans and other problems daily or as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storing and inspecting chemicals within the first week of employment, followed by refresher training annually and as needed.	
Pollutant Source 2: Soil Amending and Grass Fertilizing	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Determine and apply the appropriate amount of fertilizer.	
<input type="checkbox"/> Train applicable employees on appropriate procedures to prevent overfertilization (e.g., frequency of application and quantity applied) within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 3: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 4: Pest Control	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Follow the manufacturer's directions for application of pest control materials to site.	
<input type="checkbox"/> Analyze need for pesticides and apply only if necessary.	
<input type="checkbox"/> Anticipate and apply pesticides only during dry weather conditions.	
<input type="checkbox"/> Store partially full containers indoors or undercover.	
<input type="checkbox"/> Apply insecticides during breeding months.	
<input type="checkbox"/> Protect rat bait houses from stormwater.	
<input type="checkbox"/> Train applicable employees in methods to minimize pesticide application within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 5: Sludge Drying Beds	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Ensure drying bed is draining properly (e.g., check for clogging).	
<input type="checkbox"/> Avoid overfilling drying bed.	
<input type="checkbox"/> Divert flow around the drying bed.	
<input type="checkbox"/> Grade the land around the drying bed.	
<input type="checkbox"/> Use berms, dikes, curbs, or culverts.	
<input type="checkbox"/> Cover drying beds.	
Pollutant Source 6: Sludge Storage Piles	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine storage of sludge to a designated area outside drainage pathways and as far from any receiving water body as possible.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store sludge on an impervious surface such as a concrete pad.	
<input type="checkbox"/> Divert flow around storage piles.	
<input type="checkbox"/> Grade the land around the piles.	
<input type="checkbox"/> Use berms, dikes, curbs, or culverts.	
<input type="checkbox"/> To prevent sediment from leaving storage area, use control measures such as silt fencing or waddles.	
<input type="checkbox"/> Cover sludge storage piles.	
Pollutant Source 7: Sludge Transfer Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Sludge Drying Beds	
<input type="checkbox"/> Conduct transfer operations over an impervious surface to enable easy collection of spilled materials.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Promptly remove any sludge spilled during transfer.	
<input type="checkbox"/> Avoid transferring sludge during rain events.	
<input type="checkbox"/> Divert flow around the transfer area.	
<input type="checkbox"/> Grade the land around the transfer area.	
<input type="checkbox"/> Use berms, dikes, curbs, or culverts.	
Mechanical Dewatering	
<input type="checkbox"/> Cover loading area.	
<input type="checkbox"/> Transfer sludge on an impervious pad to enable easy collection of spilled materials.	
<input type="checkbox"/> Avoid locating transfer operations near receiving water bodies.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train applicable employees in sludge transfer methods within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 8: Incineration Ash Impoundments/Piles Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Line ash impoundments with clay (or other type of impervious material).	
<input type="checkbox"/> Design ash impoundments to hold a maximum volume of ash plus a 10-year/24-hour rain event, at a minimum.	
<input type="checkbox"/> Curb, berm, or dike ash storage areas.	
<input type="checkbox"/> Avoid locating ash storage areas near receiving water bodies.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 9: Vehicle and Equipment Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 10: Vehicle and Equipment Fueling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling, ensure the fueling vehicle is equipped with a manual shutoff valve.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 11: Vehicle and Equipment Storage and Parking Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 12: Miscellaneous	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Dispose of grit/scum at a licensed landfill.	
<input type="checkbox"/> Dispose of screenings daily.	
<input type="checkbox"/> Maximize vegetative cover to stabilize soil and reduce erosion.	
<input type="checkbox"/> Direct stormwater to the treatment works.	

Stormwater Control Measures: Sector T – Treatment Works	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Cover compost piles.	
<input type="checkbox"/> Cover exposed materials at septage or hauled waste receiving stations.	

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Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Raw Material Unloading/Product Loading	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Stage unloading/loading activities at designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Ensure that unloading/loading activities are overseen by a facility representative.	
<input type="checkbox"/> Close storm drains in areas surrounding unloading/loading activities.	
<input type="checkbox"/> Direct flows to a dead-end sump.	
<input type="checkbox"/> Use rubber seals in truck loading dock areas to contain spills.	
<input type="checkbox"/> Inspect all containers for leaks or damage prior to unloading/loading of any raw or spent materials.	
<input type="checkbox"/> Do not unload/load materials during storm events. Alternatively, provide cover or other protection for loading docks.	
<input type="checkbox"/> Perform inventory control for all raw and spent materials.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	
<input type="checkbox"/> Locate unloading/loading areas indoors. Alternatively, cover unloading and loading areas.	
<input type="checkbox"/> Provide overhangs at truck unloading/loading docks. Alternatively, install door skirts to enclose trailer ends at truck loading docks.	
<input type="checkbox"/> Perform unloading/loading on an impervious pad for easy collection of spilled materials.	
<input type="checkbox"/> For rail transfer, install a drip pan within the rails to collect spillage from the tank.	
<input type="checkbox"/> Where liquid or powdered materials are transferred in bulk to/from truck or rail cars, ensure hose-connection points at storage containers are inside containment areas. Alternatively, when not in a containment area, use drip pans where spillage may occur.	
<input type="checkbox"/> Drain hoses back into truck, rail car, etc., after unloading/loading materials.	
<input type="checkbox"/> Install high level alarm on tanks to prevent overfilling.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use dry cleanup methods rather than washing the areas down.	
<input type="checkbox"/> Regularly sweep area to minimize debris on the ground.	
<input type="checkbox"/> Where dust control is necessary, sweep and/or apply water or materials that will not impact surface or groundwater.	
<input type="checkbox"/> Train applicable employees in spill prevention, control, clean up, and proper materials management techniques within the first week of employment followed by refresher training annually and as needed.	
<input type="checkbox"/> Train applicable employees on proper unloading/loading techniques within first the week of employment followed by refresher training annually and as needed.	
<p>Pollutant Source 2: Materials Handling and Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)</p>	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 3: Waste Management – Wastewater Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Develop a leak prevention program for valves, pumps, and piping equipment.	
<input type="checkbox"/> Inspect the outside pipe connections (couplings, valve seals and gaskets, flanges, etc.) of the treatment system for leaks, corrosion, and maintenance issues.	
<input type="checkbox"/> Use dry cleanup methods.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 4: Waste Management – Solid Waste	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Inspect the general area around solid waste storage for signs of leaching.	
<input type="checkbox"/> Store waste in dumpsters, drums, or bags so that it is physically contained. Store waste in an enclosed/covered area.	
<input type="checkbox"/> If outside or in a covered area, minimize exposure to stormwater by grading the area to ensure that stormwater drains away from the area.	
<input type="checkbox"/> Dispose of hazardous waste in accordance with federal, state, and local requirements.	
<input type="checkbox"/> Route trash compactor leakage to a treatment system or sanitary sewer.	
Pollutant Source 5: Waste Management – Air Emissions	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Clean around vents and stacks to atmosphere from process and storage areas.	
<input type="checkbox"/> Place tubs around vents and stacks for easy collection of settling particles.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Remove fugitive dust accumulations on ledges, walls, floors, and equipment. If compressed air is used for dust clean up, shut down machinery and other potential ignition sources.	
<input type="checkbox"/> Inspect air emission control systems (e.g., baghouses) regularly. Repair and replace as necessary.	
<input type="checkbox"/> Route overflows/condensates from process vents to on-site treatment system or to the sanitary sewer.	
<input type="checkbox"/> Minimize freefall height to reduce fugitive dust losses.	
<input type="checkbox"/> Locate fabric dust filter collectors outside the facility, if possible. If fabric dust filter collectors are inside the facility, place them in an area protected by an explosion-protection system.	
Pollutant Source 6: Pest Control Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Follow the manufacturer's directions for application of pest control materials to site.	
<input type="checkbox"/> Analyze need for pesticides and apply only if necessary.	
<input type="checkbox"/> Anticipate and apply pesticides only during dry weather conditions.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store partially full containers indoors or undercover.	
<input type="checkbox"/> Apply insecticides during breeding months.	
<input type="checkbox"/> Protect rat bait houses from stormwater.	
<input type="checkbox"/> Train applicable employees in methods to minimize pesticide application within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 7: Illicit Connection to Storm Sewer	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Plug all floor drains if it is unknown whether the connection is to storm sewer or sanitary sewer systems. Alternatively, install a sump that is pumped regularly.	
<input type="checkbox"/> Perform smoke or dye testing to determine if interconnections exist between sanitary water system and storm sewer system.	
<input type="checkbox"/> Update facility schematics to accurately reflect all plumbing connections.	
<input type="checkbox"/> Install a safeguard against vehicle wash water and parts cleaning waters entering the storm sewer unless permitted.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prevent vehicle wash water entering the storm sewer unless permitted.	
<input type="checkbox"/> Maintain and inspect the integrity of all underground storage tanks. Replace tanks when necessary.	
<input type="checkbox"/> Train employees on proper disposal practices for all materials.	
Pollutant Source 8: Meat Products – Operation of Meat Packaging Plants Including Animal Holding Pens (Beef, Chicken)	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Cover fowl hanging area. Enclose fowl hanging area, if practicable.	
<input type="checkbox"/> Cover animal holding pens. Enclose animal holding pens, if practicable.	
<input type="checkbox"/> Ensure stormwater runs off and prevent run-on to animal holding pens by grading the areas around them. Regularly inspect area around animal holding pens for stormwater runoff or run-on.	
<input type="checkbox"/> Store materials from cleanup activities in appropriate containers in an enclosed/covered area.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Install runoff controls around areas where empty bird cages are stored, including when stored in trailers.	
<input type="checkbox"/> Use mechanical sweepers around site to clean up fugitive feathers, dust, and manure.	
<input type="checkbox"/> Decrease total lot area when animal numbers are low to decrease total stormwater runoff.	
<input type="checkbox"/> Direct runoff to storage lagoons and holding ponds until it can be land-applied or evaporated. Alternatively, discharge to a municipal treatment system (check with the system operator to ensure that the discharge is acceptable).	
<input type="checkbox"/> Train applicable employees on proper material (e.g., hide, hair, feathers, and animal parts) cleanup procedures around and within the animal holding pens within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 9: Manure Management Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Place animal manure in a grassy area as far as possible from water courses so seepage has a chance to be filtered and absorbed by the grass before entering creek or stream. For land with a slope of greater than one percent, plant a dense, sod-forming grass at least 20 feet wide around the downgradient side of any manure stockpile.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use grass filter strips, filter fencing, or straw bales to filter solids and nutrients from runoff.	
<input type="checkbox"/> Cover manure storage areas. Alternatively, store manure in areas enclosed by berms, dikes, curbs, or culverts.	
Pollutant Source 10: Dairy Products – Manufacturing and Storage of Packaged Dairy Products (Including Spoiled and Broken Product Containers) Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store aged/spoiled dairy products in an enclosed storage area on an impervious or contained pad. Store under a roof or canopy.	
<input type="checkbox"/> Use dry cleanup methods instead of washing areas down.	
<input type="checkbox"/> Ensure that aged and/or contaminated/spoiled dairy products, including packaging such as bottles, cartons, plastic containers, etc., are covered or bagged and disposed of properly.	
<input type="checkbox"/> Prevent milk solids foam from entering storm sewers. Avoid excessive foaming by limiting use of open-type separators and avoiding splashing when filling tanks. Repair leaky connections in lines under partial vacuum. Be aware of leaky packing and faulty rotary seals or pumps.	
<input type="checkbox"/> Carefully fill tanks at open-type separators.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect for leaky connections in lines under partial vacuum, leaky packing, and faulty rotary seals or pumps.	
<input type="checkbox"/> Inspect storage area for leaks and spills and to monitor housekeeping and runoff prevention practices.	
<input type="checkbox"/> Train applicable employees on spill prevention, control, and proper disposal methods for all aged/spoiled dairy products within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 11: Canned, Frozen, and Preserved Fruits, Vegetables, and Frozen Specialties – Fruit and Vegetable Storage and Disposal Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store all fruits and vegetables in appropriate containers (e.g., bins, bushels, baskets, buckets). Store such containers in enclosed and/or covered areas.	
<input type="checkbox"/> Minimize fruit and vegetable storage time outdoors.	
<input type="checkbox"/> Store empty fruit and vegetable containers in an enclosed/covered area.	
<input type="checkbox"/> Use particulates emission control systems for all cooking processes to reduce particulate matter.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect all fruit and vegetable storage areas to monitor stormwater control implementation.	
<input type="checkbox"/> Train applicable employees on proper handling/disposal methods for fresh/rotten fruits and vegetables within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 12: Grain Mills – Grain Handling, Storage, and Mixing Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store all grain in appropriate containers (e.g., silos, hoppers). Store containers in enclosed and/or covered areas.	
<input type="checkbox"/> Use a vacuum control system in all grain-mixing areas to minimize fugitive dust.	
<input type="checkbox"/> Inspect the grain storage area weekly to ensure proper stormwater control implementation.	
<input type="checkbox"/> Train applicable employees on grain handling procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 13: Bakery Products – Ingredient Storage and Mixing	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store all ingredients (e.g., corn sweeteners, flour, shortening, syrup, vegetable oils) in appropriate containers (e.g., tanks, drums, bags). Store containers in an enclosed/covered area.	
<input type="checkbox"/> Inspect ingredient storage areas weekly for proper stormwater control implementation.	
Pollutant Source 14: Bakery Products – Baking Process	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Remove flour dust and oil accumulation around ventilation exhaust systems.	
<input type="checkbox"/> Install an air emission control system for all baking processes to reduce particulate matter.	
Pollutant Source 15: Sugar and Confectionery – Sugar Handling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use a vacuum control system in all granular and powdered processing areas.	

Stormwater Control Measures: Sector U – Food and Kindred Products Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 16: Fats and Oils – Storage and Disposal	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store all fats and oils, (e.g., butcher shop materials, hair, hide, tallow, bone meal, and offal) in enclosed/covered areas.	
<input type="checkbox"/> Ensure all fats and oils are physically contained.	
<input type="checkbox"/> Inspect all fats and oils storage areas weekly for proper stormwater control implementation.	
Pollutant Source 17: Beverages – Materials Storage and Mixing	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Ensure grain is stored in enclosed/covered area.	
<input type="checkbox"/> Install a particulate emission control system for all grain handling and brewing processes.	
<input type="checkbox"/> Protect reusable beverage containers that are stored outdoors from stormwater contact.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Outdoor Loading and Unloading	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine loading/unloading activities to a designated area outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Perform all loading/unloading activities in a covered or enclosed area. Alternatively, cover loading/unloading area with permanent cover (e.g., roofs) or temporary cover (e.g., tarps).	
<input type="checkbox"/> Provide overhangs or door skirts to enclose trailer ends at truck loading/unloading docks.	
<input type="checkbox"/> Avoid loading/unloading materials in the rain.	
<input type="checkbox"/> Close storm drains during loading/unloading activities in surrounding areas.	
<input type="checkbox"/> Slope the impervious concrete floor or pad to collect spills and leaks and convey them to proper containment and treatment.	
<input type="checkbox"/> For rail transfer, install a drip pan within the rails to collect spillage from the tank.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Where liquid or powdered materials are transferred in bulk to/from truck or rail cars, ensure that hose connection points at storage containers are inside containment areas. Alternatively, use drip pans in areas where spillage may occur which are not in a containment area.	
<input type="checkbox"/> Place catch trays between the dock and trailer at shipping and receiving bays to capture solids.	
<input type="checkbox"/> Enclose material handling systems.	
<input type="checkbox"/> Cover materials entering and leaving areas.	
<input type="checkbox"/> Install an oil/water separator in catch basins.	
<input type="checkbox"/> Inspect all containers prior to loading/unloading of any raw or spent materials.	
<input type="checkbox"/> Inspect pallets for protruding nails or broken boards.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a dead-end sump where spilled materials could be directed.	
<input type="checkbox"/> Use dry cleanup methods instead of washing the areas down.	
<input type="checkbox"/> Regularly sweep area to minimize debris on the ground.	
<input type="checkbox"/> Provide dust control if necessary. When controlling dust, sweep and/or apply water or materials that will not impact surface or groundwater.	
<input type="checkbox"/> Develop and implement spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Train employees on proper loading/unloading techniques, proper materials management techniques, and spill prevention and response.	
Pollutant Source 2: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in “off” position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 3: Material Handling – Designated Material Mixing Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Cover and enclose areas where the transfer of materials may occur.	
<input type="checkbox"/> Mix solvents in designated areas away from drains, ditches, and surface waters.	
<input type="checkbox"/> Never wash drums in the mix kitchen or dispose of obsolete dyes and chemicals down the drain.	
<input type="checkbox"/> When a new drum is opened, thoroughly drain or empty the old drum into the new drum.	
Pollutant Source 4: Waste Management	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store waste in enclosed and/or covered areas.	
<input type="checkbox"/> Store wastes in covered, leak-proof containers (e.g., dumpsters, drums).	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Cover the dumpsters or move them indoors.	
<input type="checkbox"/> Use linked dumpsters that do not leak.	
<input type="checkbox"/> Dispose of or recycle packaging properly.	
<input type="checkbox"/> Provide a lining for the dumpsters.	
<input type="checkbox"/> Direct runoff to on-site retention pond.	
<input type="checkbox"/> Ensure hazardous and solid waste disposal practices are performed in accordance with applicable federal, state, and local requirements.	
<input type="checkbox"/> Ship all wastes to off-site licensed landfills or treatment facilities.	
Pollutant Source 5: Vehicle and Equipment Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 6: Vehicle and Equipment Fueling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 7: Vehicle and Equipment Storage and Parking	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	

Stormwater Control Measures: Sector V – Textile Mills, Apparel, and Other Fabric Product Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Outdoor Loading and Unloading Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine loading/unloading activities to a designated area outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Perform all loading/unloading activities in a covered or enclosed area. Alternatively, cover loading/unloading area with permanent cover (e.g., roofs) or temporary cover (e.g., tarps).	
<input type="checkbox"/> Provide overhangs or door skirts to enclose trailer ends at truck loading/unloading docks.	
<input type="checkbox"/> Avoid loading/unloading materials in the rain.	
<input type="checkbox"/> Close storm drains during loading/unloading activities in surrounding areas.	
<input type="checkbox"/> Slope the impervious concrete floor or pad to collect spills and leaks and convey them to proper containment and treatment.	
<input type="checkbox"/> For rail transfer, install a drip pan within the rails to collect spillage from the tank.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Where liquid or powdered materials are transferred in bulk to/from truck or rail cars, ensure that hose connection points at storage containers are inside containment areas. Alternatively, use drip pans in areas where spillage may occur which are not in a containment area.	
<input type="checkbox"/> Place catch trays between the dock and trailer at shipping and receiving bays to capture solids.	
<input type="checkbox"/> Enclose material handling systems.	
<input type="checkbox"/> Cover materials entering and leaving areas.	
<input type="checkbox"/> Install an oil/water separator in catch basins.	
<input type="checkbox"/> Inspect all containers prior to loading/unloading of any raw or spent materials.	
<input type="checkbox"/> Inspect pallets for protruding nails or broken boards.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a dead-end sump where spilled materials could be directed.	
<input type="checkbox"/> Use dry cleanup methods instead of washing the areas down.	
<input type="checkbox"/> Regularly sweep area to minimize debris on the ground.	
<input type="checkbox"/> Provide dust control if necessary. When controlling dust, sweep and/or apply water or materials that will not impact surface or groundwater.	
<input type="checkbox"/> Develop and implement spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Train employees on proper loading/unloading techniques, proper materials management techniques, and spill prevention and response.	
Pollutant Source 2: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 3: Coal Pile Management Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from surface waters.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
<input type="checkbox"/> Where possible store coal under cover, indoors, or with other structures to prevent wind-blown losses.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use control measures such as berms, silt fencing, or waddles to prevent sediment from leaving storage area.	
<input type="checkbox"/> Practice good stockpiling practices such as storing materials on concrete or asphalt pads and/or surrounding stockpiles using diversion dikes or curbs to limit run-on and to slow runoff.	
<input type="checkbox"/> Trap particulates originating in coal storage/handling areas with filter fabric fences, gravel outlet protection, sediment traps, vegetated swales, buffer strips of vegetation, catch-basin filters, retention/detention basins, or equivalent.	
<input type="checkbox"/> Minimize quantities of coal stored on site through implementation of effective inventory control.	
<input type="checkbox"/> Practice good housekeeping measures such as frequent removal of dust and debris. Cleanup methods may include mobile sweepers, scrapers, or scoops.	
<input type="checkbox"/> Use properly designed basins for collection, containment, and recycling of pile spraying materials.	
<input type="checkbox"/> Train applicable employees in good housekeeping measures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 4: Waste Management	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store waste in enclosed and/or covered areas.	
<input type="checkbox"/> Store wastes in covered, leak-proof containers (e.g., dumpsters, drums).	
<input type="checkbox"/> Cover the dumpsters or move them indoors.	
<input type="checkbox"/> Use linked dumpsters that do not leak.	
<input type="checkbox"/> Dispose of or recycle packaging properly.	
<input type="checkbox"/> Provide a lining for the dumpsters.	
<input type="checkbox"/> Direct runoff to on-site retention pond.	
<input type="checkbox"/> Ensure hazardous and solid waste disposal practices are performed in accordance with applicable federal, state, and local requirements.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Ship all wastes to off-site licensed landfills or treatment facilities.	
Pollutant Source 5: Sawdust and Particulate Emission Management Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Clean around vents and stacks.	
<input type="checkbox"/> Place tubs around vents and stacks to collect particulates.	
<input type="checkbox"/> Inspect air emission control systems regularly. Repair or replace when necessary.	
Pollutant Source 6: Vehicle and Equipment Maintenance Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 7: Vehicle and Equipment Fueling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 8: Vehicle and Equipment Storage and Parking	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	

Stormwater Control Measures: Sector W – Wood and Metal Furniture and Fixture Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Plate Preparation	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use aqueous-developed lithographic plates or wipe-on plates.	
Pollutant Source 2: Printing	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use press wipes as long as possible before discarding or laundering. Use dirty press wipes for the first pass and clean ones for the second pass.	
<input type="checkbox"/> Remove solvent from dirty rags by squeezing or centrifuging prior to laundering.	
<input type="checkbox"/> Set up an in-house dirty rag cleaning operation if warranted or send to approved industrial laundries, if available.	
<input type="checkbox"/> Use a dedicated press for inks with hazardous pigments/solvents.	
<input type="checkbox"/> Segregate used oil from solvents and other materials.	
<input type="checkbox"/> Use water-based inks in gravure and flexographic printing process.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Fill ink fountains with only enough ink for a run or shift; return un-emulsified inks to their containers.	
<input type="checkbox"/> Substitute less toxic solvents for highly aromatic solvents; use detergent solutions.	
<input type="checkbox"/> Monitor baths and accurately replenish chemicals.	
<input type="checkbox"/> Use a solvent pump instead of pouring solvent from a jug to minimize solvent use and exposure.	
Pollutant Source 3: Cleanup Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Centralize liquid solvent cleaning in one location.	
<input type="checkbox"/> Designate special areas for draining or replacing fluids.	
<input type="checkbox"/> Label sinks properly for disposal of liquids.	
<input type="checkbox"/> Use doctor blades and squeegees to remove as much ink as possible prior to cleaning equipment with solvent and rags.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Dry solvent-coated screens before washing them in water.	
<input type="checkbox"/> Do not clean screens over a sink or drain.	
<input type="checkbox"/> Minimize solvent use during equipment cleaning.	
<input type="checkbox"/> Substitute non-toxic or less toxic cleaning solvents.	
<input type="checkbox"/> Recover waste solvents on site with batch distillation or utilize professional solvent recyclers.	
<input type="checkbox"/> Use counter-current washing instead of parallel rinse systems.	
<input type="checkbox"/> Use a closed washing system.	
<input type="checkbox"/> Use equipment wash-down water for making up subsequent batches.	
<input type="checkbox"/> Eliminate once-through cooling water for compressors.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect the area regularly to ensure BMPs are implemented.	
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 4: Stencil Preparation for Screen Printing Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Capture excess ink from silkscreen process before washing the screen to decrease amount of ink used and cleaning emulsion used.	
Pollutant Source 5: Photo Processing Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Collect and properly manage fixing bath, developer, used film, photographic paper, and blackened ends of photosetting paper.	
Pollutant Source 6: Materials Handling and Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 7: Vehicle and Equipment Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 8: Vehicle and Equipment Fueling Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 9: Vehicle and Equipment Storage and Parking	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	

Stormwater Control Measures: Sector X – Printing and Publishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Outdoor Loading and Unloading	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine loading/unloading activities to a designated area outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Perform all loading/unloading activities in a covered or enclosed area. Alternatively, cover loading/unloading area with permanent cover (e.g., roofs) or temporary cover (e.g., tarps).	
<input type="checkbox"/> Provide overhangs or door skirts to enclose trailer ends at truck loading/unloading docks.	
<input type="checkbox"/> Avoid loading/unloading materials in the rain.	
<input type="checkbox"/> Close storm drains during loading/unloading activities in surrounding areas.	
<input type="checkbox"/> Slope the impervious concrete floor or pad to collect spills and leaks and convey them to proper containment and treatment.	
<input type="checkbox"/> For rail transfer, install a drip pan within the rails to collect spillage from the tank.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Where liquid or powdered materials are transferred in bulk to/from truck or rail cars, ensure that hose connection points at storage containers are inside containment areas. Alternatively, use drip pans in areas where spillage may occur which are not in a containment area.	
<input type="checkbox"/> Place catch trays between the dock and trailer at shipping and receiving bays to capture solids.	
<input type="checkbox"/> Enclose material handling systems.	
<input type="checkbox"/> Cover materials entering and leaving areas.	
<input type="checkbox"/> Install an oil/water separator in catch basins.	
<input type="checkbox"/> Inspect all containers prior to loading/unloading of any raw or spent materials.	
<input type="checkbox"/> Inspect pallets for protruding nails or broken boards.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a dead-end sump where spilled materials could be directed.	
<input type="checkbox"/> Use dry cleanup methods instead of washing the areas down.	
<input type="checkbox"/> Regularly sweep area to minimize debris on the ground.	
<input type="checkbox"/> Provide dust control if necessary. When controlling dust, sweep and/or apply water or materials that will not impact surface or groundwater.	
<input type="checkbox"/> Develop and implement spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Train employees on proper loading/unloading techniques, proper materials management techniques, and spill prevention and response.	
Pollutant Source 2: Materials Handling and Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in “off” position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 3: Waste Management	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store waste in enclosed and/or covered areas.	
<input type="checkbox"/> Store wastes in covered, leak-proof containers (e.g., dumpsters, drums).	
<input type="checkbox"/> Cover the dumpsters or move them indoors.	
<input type="checkbox"/> Use linked dumpsters that do not leak.	
<input type="checkbox"/> Dispose of or recycle packaging properly.	
<input type="checkbox"/> Provide a lining for the dumpsters.	
<input type="checkbox"/> Direct runoff to on-site retention pond.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Ensure hazardous and solid waste disposal practices are performed in accordance with applicable federal, state, and local requirements.	
<input type="checkbox"/> Ship all wastes to off-site licensed landfills or treatment facilities.	
Pollutant Source 4: Particulate Emission Management	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Clean around vents and stacks.	
<input type="checkbox"/> Place tubs around vents and stacks to collect particulates.	
<input type="checkbox"/> Inspect air emission control systems regularly. Repair or replace when necessary.	
Rubber Manufacturers – Zinc Material Management	
Pollutant Source 5: Zinc Material Management	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store zinc bags indoors.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use special large volume sacks (2,500-pound sacks rather than 50- to 100-pound sacks) with less potential for releases of zinc.	
<input type="checkbox"/> Store materials in use in sealable container.	
<input type="checkbox"/> Provide an airspace between the container and the cover to minimize “puffing” losses when the container is opened.	
<input type="checkbox"/> Use automatic dispensing and weighing equipment.	
<input type="checkbox"/> Use pre-weighed bags that can be thrown directly into the mixer to reduce spillage.	
<input type="checkbox"/> Clean up spills without washing zinc into storm drains.	
<input type="checkbox"/> Train employees on proper handling and emptying of zinc bags.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 6: Dust Collectors or Baghouses	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Repair or replace improperly operating baghouses.	
<input type="checkbox"/> Provide regular maintenance.	
Pollutant Source 7: Grinding Operations from which Zinc Dust May Be Released	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use dust collection system or reduce the amount of dust generated.	
Pollutant Source 8: Zinc Stearate Coating Operations	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Develop a spill prevention/response plan.	
<input type="checkbox"/> Use dry cleanup methods for spills.	
<input type="checkbox"/> Use alternate compounds to zinc stearate.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
Plastics Manufacturers – Plastic Pellet Management	
Pollutant Source 9: Plastic Pellet Management	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct regularly scheduled self-evaluations to identify problem areas.	
<input type="checkbox"/> Encourage information sharing between companies.	
<input type="checkbox"/> Develop educational materials for employees, including those involved in transporting pellets.	
Pollutant Source 10: Education and Training	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Educate key officials and company managers regarding the fate and effects and economic disadvantages of pellet loss.	
<input type="checkbox"/> Educate company employees regarding environmental hazards of pellet loss and employee responsibility for corrective actions.	
<input type="checkbox"/> Train pellet handlers to operate equipment, particularly forklifts, in a manner that minimizes the potential for pellet loss.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 11: Equipment and Facilities	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad and under a roof or canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, use a concrete pad (not asphalt).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Keep spill cleanup materials readily available.	
<input type="checkbox"/> Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on onto fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area. Sweep up absorbents as soon as spilled substances have been absorbed.	
<input type="checkbox"/> Regularly inspect and perform preventive maintenance on storage tanks to detect potential leaks before they occur.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles.	
<input type="checkbox"/> Discourage “topping off” of fuel tanks in receiving equipment.	
<input type="checkbox"/> Train personnel on vehicle fueling BMPs.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 12: Operations	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Place portable screens underneath connection points when making and breaking all connections.	
<input type="checkbox"/> Secure outlet caps and seals before moving full or empty rail hopper cars and trucks.	
<input type="checkbox"/> Implement handling procedures that minimize punctures and pellet spillage.	
<input type="checkbox"/> Inspect pellet packaging before offloading.	
<input type="checkbox"/> Repair punctured bags immediately.	
Pollutant Source 13: Good Housekeeping	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Implement daily and routine housekeeping and spill response procedures.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Develop standard operating procedures for containing and cleaning up spills.	
<input type="checkbox"/> Conduct routine inspections for the presence of loose pellets on the facility grounds, including parking lots, drainage areas, driveways, etc.	
Pollutant Source 14: Packaging	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use reinforced bags and containers lined with puncture-resistant material.	
<input type="checkbox"/> Minimize the use of valved bags or seal valved bags immediately after filling.	
<input type="checkbox"/> Use sealed containers instead of break bulk packaging.	
Pollutant Source 15: Shipping	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use containers made for cargo shipping rather than individual pallets.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Identify the person responsible for sealing the ports on rail hopper cars and bulk trucks and document sealing.	
<input type="checkbox"/> Close and secure the rail hopper car valve with strong wire or aircraft cable in addition to the normal sealing mechanism.	
<input type="checkbox"/> Visually confirm that each compartment and tube of shipping vehicles is empty.	
<input type="checkbox"/> Inspect interiors of trailers and sea containers for defects that may puncture pellet packaging. Consider vandalism exposure when selecting leased track sites.	
<input type="checkbox"/> Avoid on-deck pellet storage.	
<input type="checkbox"/> Seal empty rail hopper cars and bulk trucks before returning them to shipper.	
Pollutant Source 16: Recycling and Waste Disposal	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store waste pellets in properly labeled containers.	

Stormwater Control Measures: Sector Y – Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Recycle or resell waste pellets.	
<input type="checkbox"/> Check broken and discarded packaging for residual pellets.	
<input type="checkbox"/> Adhere to handling and storage procedures.	
<input type="checkbox"/> If an outside vendor is used for waste removal, train in material handling, spill prevention, and control.	

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Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Temporary Outdoor Storage of Fresh or Brine Cured Hides	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store hides indoors, if possible.	
<input type="checkbox"/> Cover hides with a roof or temporary covering (e.g., polyethylene, tarpaulin).	
<input type="checkbox"/> Locate storage areas away from high-traffic areas and surface waters.	
<input type="checkbox"/> Minimize stormwater run-on by enclosing the area or using berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the area.	
<input type="checkbox"/> Inspect area regularly for proper implementation of good housekeeping and control measures.	
<input type="checkbox"/> Train employees on waste control and disposal procedures.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 2: Beamhouse and Tanyard Operations	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store chemical drums and bags and empty lime and depilatory chemical containers indoors, if possible.	
<input type="checkbox"/> Cover chemical drums and bags, empty lime and depilatory chemical containers, and leather scraps with a roof or temporary covering (e.g., tarpaulins, polyethylene). Store on elevated impermeable surface.	
<input type="checkbox"/> Install curbing or containment dikes around chemical storage, empty lime and depilatory chemical containers, and leather scrap storage areas.	
<input type="checkbox"/> Avoid using hides treated with insecticides and fungicides. Use salts or chilling methods instead.	
<input type="checkbox"/> Avoid toxic and less biodegradable antiseptics and biocides. Especially avoid those containing arsenic, mercury, lindane, and pentachlorophenol or other chlorinated substances.	
<input type="checkbox"/> Minimize the use of chrome. Use trivalent chrome rather than hexavalent. Recover and recycle chrome to the extent possible.	
<input type="checkbox"/> Reduce quantities of salt used for preservation.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Maintain an inventory of fluids to identify leakage and properly dispose of chemicals that are no longer in use.	
<input type="checkbox"/> Clean up leaks and spills immediately.	
<input type="checkbox"/> Use drip pans for leaking equipment.	
<input type="checkbox"/> Sweep paved areas regularly.	
<input type="checkbox"/> Eliminate unnecessary flushing with water.	
<input type="checkbox"/> Label chemical drums and containers.	
<input type="checkbox"/> Inspect area regularly for leaking drums, broken bags, or damaged control measures (e.g., broken or cracked dikes). Ensure proper implementation of good housekeeping and control measures, material inventory, material storage and operation, and maintenance.	
<input type="checkbox"/> Train applicable employees in good housekeeping and proper chemical handling within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 3: Retan and Wet Finish	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Reduce dust through area enclosure and covering.	
<input type="checkbox"/> Use nonorganic solvents for dyeing and refinishing.	
<input type="checkbox"/> Implement and maintain dust collectors (e.g., vacuum, bag, cyclone) and filter systems.	
<input type="checkbox"/> Sweep paved areas regularly.	
<input type="checkbox"/> Eliminate unnecessary flushing with water.	
<input type="checkbox"/> Label chemical drums and containers.	
<input type="checkbox"/> Train employees on good housekeeping and proper chemical handling.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 4: Dry Finish Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use effective spray equipment that delivers more dye to the target and avoids overspray.	
<input type="checkbox"/> Have absorbent and other cleanup items readily available for immediate spill cleanup.	
<input type="checkbox"/> Store dyes and solvents away from traffic areas to avoid spills.	
<input type="checkbox"/> Recycle paint, paint thinner, and solvents.	
<input type="checkbox"/> Establish and implement effective inventory control to reduce waste, including tracking date received and expiration dates.	
<input type="checkbox"/> Store dyes, paint, solvents, and rags in covered containers to prevent evaporation to the atmosphere.	
<input type="checkbox"/> Use solvents with low volatility and coatings with low VOC content. Use high-transfer-efficiency coating techniques.	
<input type="checkbox"/> Inspect spray booths area regularly to ensure BMPs are implemented.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train employees on proper spraying techniques and spent solvent disposal=.	
Pollutant Source 5: Buffing and Shaving Areas Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Install dust collection enclosures. Implement preventative inspection/maintenance programs.	
Pollutant Source 6: Outdoor Loading and Unloading Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine loading/unloading activities to a designated area outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Perform all loading/unloading activities in a covered or enclosed area. Alternatively, cover loading/unloading area with permanent cover (e.g., roofs) or temporary cover (e.g., tarps).	
<input type="checkbox"/> Provide overhangs or door skirts to enclose trailer ends at truck loading/unloading docks.	
<input type="checkbox"/> Avoid loading/unloading materials in the rain.	
<input type="checkbox"/> Close storm drains during loading/unloading activities in surrounding areas.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Slope the impervious concrete floor or pad to collect spills and leaks and convey them to proper containment and treatment.	
<input type="checkbox"/> For rail transfer, install a drip pan within the rails to collect spillage from the tank.	
<input type="checkbox"/> Where liquid or powdered materials are transferred in bulk to/from truck or rail cars, ensure that hose connection points at storage containers are inside containment areas. Alternatively, use drip pans in areas where spillage may occur which are not in a containment area.	
<input type="checkbox"/> Place catch trays between the dock and trailer at shipping and receiving bays to capture solids.	
<input type="checkbox"/> Enclose material handling systems.	
<input type="checkbox"/> Cover materials entering and leaving areas.	
<input type="checkbox"/> Install an oil/water separator in catch basins.	
<input type="checkbox"/> Inspect all containers prior to loading/unloading of any raw or spent materials.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect pallets for protruding nails or broken boards.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	
<input type="checkbox"/> Use a dead-end sump where spilled materials could be directed.	
<input type="checkbox"/> Use dry cleanup methods instead of washing the areas down.	
<input type="checkbox"/> Regularly sweep area to minimize debris on the ground.	
<input type="checkbox"/> Provide dust control if necessary. When controlling dust, sweep and/or apply water or materials that will not impact surface or groundwater.	
<input type="checkbox"/> Develop and implement spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Train employees on proper loading/unloading techniques, proper materials management techniques, and spill prevention and response.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 7: Storage Areas for Raw, Semi-processed, or Finished Tannery By-products	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store pallets and/or bales of raw, semi-processed, or finished by-products indoors or protect with polyethylene wrapping, tarpaulins, roofed storage area, or other suitable means.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the area's perimeter to limit run-on and runoff.	
<input type="checkbox"/> Place materials on an impermeable surface.	
<input type="checkbox"/> Minimize storage of flesh trimmings and organic materials.	
Pollutant Source 8: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 9: Illicit Connection to Storm Sewer Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Plug all floor drains if it is unknown whether the connection is to storm sewer or sanitary sewer systems. Alternatively, install a sump that is pumped regularly.	
<input type="checkbox"/> Perform smoke or dye testing to determine if interconnections exist between sanitary water system and storm sewer system.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Update facility schematics to accurately reflect all plumbing connections.	
<input type="checkbox"/> Install a safeguard against vehicle wash water and parts cleaning waters entering the storm sewer unless permitted.	
<input type="checkbox"/> Prevent vehicle wash water entering the storm sewer unless permitted.	
<input type="checkbox"/> Maintain and inspect the integrity of all underground storage tanks. Replace tanks when necessary.	
<input type="checkbox"/> Train employees on proper disposal practices for all materials within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 10: Coal Pile Management	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from surface waters.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
<input type="checkbox"/> Where possible store coal under cover, indoors, or with other structures to prevent wind-blown losses.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use control measures such as berms, silt fencing, or waddles to prevent sediment from leaving storage area.	
<input type="checkbox"/> Practice good stockpiling practices such as storing materials on concrete or asphalt pads and/or surrounding stockpiles using diversion dikes or curbs to limit run-on and to slow runoff.	
<input type="checkbox"/> Trap particulates originating in coal storage/handling areas with filter fabric fencing, gravel outlet protection, sediment traps, vegetated swales, buffer strips of vegetation, catch-basin filters, retention/detention basins, or equivalent.	
<input type="checkbox"/> Minimize quantities of coal stored on site through implementation of effective inventory control.	
<input type="checkbox"/> Practice good housekeeping measures such as frequent removal of dust and debris. Cleanup methods may include mobile sweepers, scrapers, or scoops.	
<input type="checkbox"/> Use properly designed basins for collection, containment, and recycling of pile spraying materials.	
<input type="checkbox"/> Train applicable employees in good housekeeping measures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 11: Vehicle and Equipment Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 12: Vehicle and Equipment Fueling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 13: Vehicle and Equipment Storage and Parking	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	

Stormwater Control Measures: Sector Z – Leather Tanning and Finishing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

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Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Metal Fabricating Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Sweep fabrication areas frequently to avoid heavy accumulation of steel ingots, fines, and scrap.	
<input type="checkbox"/> Capture dust through a vacuum system to avoid accumulation on roof tops and onto the ground.	
<input type="checkbox"/> Sweep all accessible paved areas on a regular basis.	
<input type="checkbox"/> Keep floors clean and dry by using dry cleanup techniques.	
<input type="checkbox"/> Remove and dispose of waste regularly.	
<input type="checkbox"/> Train employees on good housekeeping measures.	
Pollutant Source 2: Raw Material Storage Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store materials in a covered area whenever possible.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Organize storage areas so there is easy access in case of a spill.	
<input type="checkbox"/> Label stored materials to aid in identifying spill contents.	
<input type="checkbox"/> Minimize the amount of material stored to avoid corrosive activity from long-term exposed materials.	
<input type="checkbox"/> Dike or berm the storage area to prevent or minimize run-on.	
<input type="checkbox"/> Keep storage area neat and orderly. Stack materials neatly on pallets or off the ground.	
<input type="checkbox"/> Cover exposed materials.	
Pollutant Source 3: Outdoor Loading and Unloading	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine loading/unloading activities to a designated area outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Perform all loading/unloading activities in a covered or enclosed area. Alternatively, cover loading/unloading area with permanent cover (e.g., roofs) or temporary cover (e.g., tarps).	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide overhangs or door skirts to enclose trailer ends at truck loading/unloading docks.	
<input type="checkbox"/> Avoid loading/unloading materials in the rain.	
<input type="checkbox"/> Close storm drains during loading/unloading activities in surrounding areas.	
<input type="checkbox"/> Slope the impervious concrete floor or pad to collect spills and leaks and convey them to proper containment and treatment.	
<input type="checkbox"/> For rail transfer, install a drip pan within the rails to collect spillage from the tank.	
<input type="checkbox"/> Where liquid or powdered materials are transferred in bulk to/from truck or rail cars, ensure that hose connection points at storage containers are inside containment areas. Alternatively, use drip pans in areas where spillage may occur which are not in a containment area.	
<input type="checkbox"/> Place catch trays between the dock and trailer at shipping and receiving bays to capture solids.	
<input type="checkbox"/> Enclose material handling systems.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Cover materials entering and leaving areas.	
<input type="checkbox"/> Install an oil/water separator in catch basins.	
<input type="checkbox"/> Inspect all containers prior to loading/unloading of any raw or spent materials.	
<input type="checkbox"/> Inspect pallets for protruding nails or broken boards.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	
<input type="checkbox"/> Use a dead-end sump where spilled materials could be directed.	
<input type="checkbox"/> Use dry cleanup methods instead of washing the areas down.	
<input type="checkbox"/> Regularly sweep area to minimize debris on the ground.	
<input type="checkbox"/> Provide dust control if necessary. When controlling dust, sweep and/or apply water or materials that will not impact surface or groundwater.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Develop and implement spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Train employees on proper loading/unloading techniques, proper materials management techniques, and spill prevention and response.	
Pollutant Source 4: Heavy Equipment Storage Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store vehicles indoors when possible.	
<input type="checkbox"/> If stored outdoors, use gravel, concrete, or other porous surfaces to minimize or prevent heavy equipment from creating ditches or other conveyances that could cause sediment runoff.	
<input type="checkbox"/> Cover outdoor storage areas.	
<input type="checkbox"/> Divert drainage to vegetated swales, filter strips, retention ponds, or holding tanks.	
<input type="checkbox"/> Direct drainage systems away from high-traffic areas and into collection systems.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clean equipment prior to storage.	
Pollutant Source 5: Metal Work Fluid Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store vehicles indoors when possible.	
<input type="checkbox"/> If stored outdoors, use gravel, concrete, or other porous surfaces to minimize or prevent heavy equipment from creating ditches or other conveyances that could cause sediment runoff.	
<input type="checkbox"/> Cover outdoor storage areas.	
<input type="checkbox"/> Divert drainage to vegetated swales, filter strips, retention ponds, or holding tanks.	
<input type="checkbox"/> Direct drainage systems away from high-traffic areas and into collection systems.	
<input type="checkbox"/> Clean equipment prior to storage.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide dust control if necessary. When controlling dust, sweep and/or apply water or materials that will not impact surface or groundwater.	
Pollutant Source 6: Materials Handling and Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 7: Chemical Cleaners and Rinse Water	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Use drip pans and other spill collection devices to avoid spills of solvents and other liquid cleaners.	
<input type="checkbox"/> Recycle wastewater.	
<input type="checkbox"/> Store recyclable waste indoors or in covered containers.	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible), an oil/water separator, or catch basin filter. If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable. If implementing separator or filter technologies, ensure regular inspection and maintenance procedures are in place.	
Pollutant Source 8: Raw Steel Collection Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Keep collection areas clean.	
<input type="checkbox"/> Keep materials in inside or in a covered storage bin (if outside) until pickup.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Collect scrap metals, fines, and iron dust and store them under cover until recycled.	
Pollutant Source 9: Paints and Painting Equipment Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Paint and sand indoors when possible.	
<input type="checkbox"/> If done outside, enclose sanding and painting areas with tarps or plastic sheeting.	
<input type="checkbox"/> Avoid painting and sandblasting operations outdoors in windy weather conditions.	
<input type="checkbox"/> Use tarps, drip pans, or other spill collection devices to contain and collect spills.	
<input type="checkbox"/> Use effective spray equipment that delivers more paint to the target and avoids overspray.	
<input type="checkbox"/> Mix paints and solvents in designated areas away from drains, ditches, piers, and surface waters, preferably indoors or under cover.	
<input type="checkbox"/> Have absorbent and other cleanup items readily available for immediate spill cleanup.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Allow empty paint cans to dry before disposal.	
<input type="checkbox"/> Keep paint and paint thinner away from high-traffic areas to avoid spills.	
<input type="checkbox"/> Recycle paint, paint thinner, and solvents.	
<input type="checkbox"/> Establish and implement effective inventory control to reduce paint waste, including the tracking date received and expiration dates.	
<input type="checkbox"/> Use water-based paints when possible.	
<input type="checkbox"/> Train employees to use the spray equipment properly.	
Pollutant Source 10: Metal Chip Storage Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store waste chips indoors, if possible.	
<input type="checkbox"/> Cover outdoors chip storage containers.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Place chip storage containers on asphalt or concrete surfaces.	
<input type="checkbox"/> Be sure fluid has completely drained before placing chips in storage containers.	
<input type="checkbox"/> Continue draining fluids, if necessary. This can be done by simply tilting containers towards one end and allowing excess fluids to drain through a hole into a residue container.	
<input type="checkbox"/> Inspect area for leaks or spills.	
<input type="checkbox"/> Monitor and maintain containers on a regular basis. Empty storage or residue containers as needed and do not allow them to overflow.	
Pollutant Source 11: Hazardous Waste Storage Areas	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Cover and/or enclose storage areas using a temporary cover such as a tarp that prevents contact with precipitation.	
<input type="checkbox"/> Store hazardous waste in sealed drums.	
<input type="checkbox"/> Establish centralized drum storage areas.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide secondary containment around chemical storage areas.	
<input type="checkbox"/> If containment structures have drains, ensure the drains have valves that are maintained in the closed position.	
<input type="checkbox"/> Institute protocols for checking/testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check for corrosion and leakage of storage containers.	
<input type="checkbox"/> Clearly label containers identifying the contents and hazardous characteristics.	
<input type="checkbox"/> Properly dispose of outdated materials.	
<input type="checkbox"/> Use diversion berms, dikes, or vegetated swales around the area's perimeter to limit run-on and runoff.	
<input type="checkbox"/> Post notices prohibiting dumping of materials into storm drains.	
<input type="checkbox"/> Store containers, drums, and bags away from high-traffic routes and surface waters.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Do not stack containers in such a way as to cause leaks or damage to the containers.	
<input type="checkbox"/> Use pallets to store containers off the ground when possible.	
<input type="checkbox"/> Store materials with adequate space for traffic without disturbing drums.	
<input type="checkbox"/> Maintain a low inventory level of chemicals based on need.	
<input type="checkbox"/> Train employees in spill prevention/control and proper hazardous waste management.	
Pollutant Source 12: Vehicle and Equipment Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	
Minimizing Exposure	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 13: Vehicle and Equipment Fueling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit “topping off” of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within first week of employment followed by refresher training annually and as needed.	
Pollutant Source 14: Vehicle and Equipment Storage and Parking	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 15: Transporting Chemicals to Storage Areas Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store drums as close to the operational building as possible.	
<input type="checkbox"/> Label all drums with proper warning and handling instructions.	
<input type="checkbox"/> Ensure forklift operators are trained to avoid puncturing drums.	
Pollutant Source 16: Finished Products (Galvanized) Storage Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store finished products indoors on wooden pallets, concrete pad, gravel surface, or other impervious surface.	
Pollutant Source 17: Wooden Pallets and Empty Drums Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Clean contaminated wooden pallets.	

Stormwater Control Measures: Sector AA – Fabricated Metal Products Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Cover empty drums.	
<input type="checkbox"/> Cover contaminated wooden pallets.	
<input type="checkbox"/> Store drums and pallets indoors on concrete pads.	
<input type="checkbox"/> Clean empty drums.	

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Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Outdoor Loading and Unloading	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine loading/unloading activities to a designated area outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Perform all loading/unloading activities in a covered or enclosed area. Alternatively, cover loading/unloading area with permanent cover (e.g., roofs) or temporary cover (e.g., tarps).	
<input type="checkbox"/> Provide overhangs or door skirts to enclose trailer ends at truck loading/unloading docks.	
<input type="checkbox"/> Avoid loading/unloading materials in the rain.	
<input type="checkbox"/> Close storm drains during loading/unloading activities in surrounding areas.	
<input type="checkbox"/> Slope the impervious concrete floor or pad to collect spills and leaks and convey them to proper containment and treatment.	
<input type="checkbox"/> For rail transfer, install a drip pan within the rails to collect spillage from the tank.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Where liquid or powdered materials are transferred in bulk to/from truck or rail cars, ensure that hose connection points at storage containers are inside containment areas. Alternatively, use drip pans in areas where spillage may occur which are not in a containment area.	
<input type="checkbox"/> Place catch trays between the dock and trailer at shipping and receiving bays to capture solids.	
<input type="checkbox"/> Enclose material handling systems.	
<input type="checkbox"/> Cover materials entering and leaving areas.	
<input type="checkbox"/> Install an oil/water separator in catch basins.	
<input type="checkbox"/> Inspect all containers prior to loading/unloading of any raw or spent materials.	
<input type="checkbox"/> Inspect pallets for protruding nails or broken boards.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a dead-end sump where spilled materials could be directed.	
<input type="checkbox"/> Use dry cleanup methods instead of washing the areas down.	
<input type="checkbox"/> Regularly sweep area to minimize debris on the ground.	
<input type="checkbox"/> Provide dust control if necessary. When controlling dust, sweep and/or apply water or materials that will not impact surface or groundwater.	
<input type="checkbox"/> Develop and implement spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Train employees on proper loading/unloading techniques, proper materials management techniques, and spill prevention and response.	
Pollutant Source 2: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in "off" position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 3: Foundry Sand and Limestone Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine storage to areas outside of drainage pathways and away from surface waters.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
<input type="checkbox"/> Practice good housekeeping measures such as frequent removal of dust and debris. Cleanup methods may include mobile sweepers, scrapers, or scoops.	
<input type="checkbox"/> Use control measures such as berms, silt fencing, or waddles to prevent sediment from leaving storage area.	
<input type="checkbox"/> Train employees in good housekeeping measures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 4: Waste Management	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store waste in enclosed and/or covered areas.	
<input type="checkbox"/> Store wastes in covered, leak-proof containers (e.g., dumpsters, drums).	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Cover the dumpsters or move them indoors.	
<input type="checkbox"/> Use linked dumpsters that do not leak.	
<input type="checkbox"/> Dispose of or recycle packaging properly.	
<input type="checkbox"/> Provide a lining for the dumpsters.	
<input type="checkbox"/> Direct runoff to on-site retention pond.	
<input type="checkbox"/> Ensure hazardous and solid waste disposal practices are performed in accordance with applicable federal, state, and local requirements.	
<input type="checkbox"/> Ship all wastes to off-site licensed landfills or treatment facilities.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 5: Particulate Emission Management	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Clean around vents and stacks.	
<input type="checkbox"/> Place tubs around vents and stacks to collect particulates.	
<input type="checkbox"/> Inspect air emission control systems (e.g., baghouses) regularly. Repair or replace when necessary.	
Pollutant Source 6: Vehicle and Equipment Maintenance	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Good Housekeeping	
<input type="checkbox"/> Eliminate floor drains that are connected to the stormwater or sanitary sewer. If necessary, install a sump that is pumped regularly. Collected wastes should be properly treated or disposed of by a licensed waste hauler.	
<input type="checkbox"/> Do not pour liquid waste into floor drains, sinks, outdoor storm drain inlets, or other storm drains or sewer connections.	
<input type="checkbox"/> Inspect all equipment and vehicles for leaking fluids, such as oil and antifreeze, each day when in use and monthly otherwise.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground using pans until repaired.	
<input type="checkbox"/> Do all cleaning at a centralized station so the solvents stay in one area.	
<input type="checkbox"/> If parts are dipped in liquid, remove them slowly to avoid spills.	
<input type="checkbox"/> Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.	
<input type="checkbox"/> Drain all parts of fluids prior to final disposal. Empty oil and fuel filters before final disposal. Oil filters can be crushed and recycled.	
<input type="checkbox"/> Promptly transfer used fluids to the proper container. Do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.	
<input type="checkbox"/> Clean up leaks, drips, and other spills without using large amounts of water. Use adsorbents for dry cleanup whenever possible.	
<input type="checkbox"/> Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Clean without using liquid cleaners whenever possible.	
<input type="checkbox"/> Collect liquid wastes in a properly labeled container.	
<input type="checkbox"/> Dispose of wastes by a licensed waste hauler or other appropriate method.	
<input type="checkbox"/> Maintain an organized inventory of materials.	
<input type="checkbox"/> Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.	
<input type="checkbox"/> Label and track the recycling of waste material (e.g., used oil/oil filters, spent solvents, batteries).	
<input type="checkbox"/> Store batteries and other significant materials inside or in a covered secondary container.	
<input type="checkbox"/> Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with Resource Conservation and Recovery Act (RCRA) regulations.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep manifests of all waste materials hauled away from the facility.	
Vehicle and Equipment Washing	
<input type="checkbox"/> Prohibit washing parts or equipment outside, if possible.	
<input type="checkbox"/> When conducting washing operations outdoors, cover the cleaning operation and ensure that all wash water drains to the intended collection system.	
<input type="checkbox"/> Contain and recycle wash water.	
<input type="checkbox"/> Confine activities to designated areas outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Use phosphate-free biodegradable detergents.	
<input type="checkbox"/> Collect stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Train applicable employees on proper washing procedures within first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Minimizing Exposure	
<input type="checkbox"/> Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor and no floor drainage other than to sanitary sewers or treatment facilities.	
<input type="checkbox"/> Check vehicles closely for leaks. Use drip pans to collect fluid when leaks occur.	
<input type="checkbox"/> Park vehicles and equipment indoors or under a roof whenever possible and maintain proper control of oil leaks/spills.	
<input type="checkbox"/> If operations are uncovered, perform them on a concrete pad that is impervious and contained.	
Management of Runoff	
<input type="checkbox"/> Use berms, curbs, vegetated swales, or other diversion measures to ensure that stormwater runoff from other parts of the facility does not flow over the maintenance area.	
<input type="checkbox"/> Collect the stormwater runoff from the cleaning area and provide treatment or recycling.	
<input type="checkbox"/> Discharge vehicle wash or rinse water to the sanitary sewer (if allowed by sewer authority), wastewater treatment, or a land application site; or recycle on site. Do not discharge wash water to a storm drain or to surface water.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Inspections and Training	
<input type="checkbox"/> Inspect the maintenance area weekly to ensure SCMs are implemented.	
<input type="checkbox"/> Inspect wash areas daily for evidence of discharges to the stormwater drainage system and correct as needed.	
<input type="checkbox"/> Train maintenance employees on waste control and disposal procedures within the first week of employment followed by refresher training annually and as needed.	
Pollutant Source 7: Vehicle and Equipment Fueling	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Conduct fueling operations (including the transfer of fuel from tank trucks) on an impervious or contained pad, or under a roof/canopy where possible. Covering should extend beyond spill containment pad to prevent precipitation from entering.	
<input type="checkbox"/> When fueling in an uncovered area, conduct fueling operations on a concrete pad (asphalt is not chemically resistant to the fuels being handled).	
<input type="checkbox"/> Use drip pans where leaks or spills of fuel can occur and where making and breaking hose connections.	
<input type="checkbox"/> Use fueling hoses with check valves to prevent hose drainage after filling.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use spill and overflow protection devices.	
<input type="checkbox"/> Use dry cleanup methods for fuel area rather than hosing down the fuel area.	
<input type="checkbox"/> Keep spill cleanup material readily available. Clean up spills and leaks immediately.	
<input type="checkbox"/> Minimize/eliminate run-on into fueling areas using diversion dikes, berms, curbing, surface grading, or other equivalent measures.	
<input type="checkbox"/> Place absorbent material between contaminated runoff and discharge point.	
<input type="checkbox"/> Direct contaminated runoff through an oil/water separator before discharge.	
<input type="checkbox"/> Clean and empty oil/water separators at the appropriate intervals as recommended by the manufacturer.	
<input type="checkbox"/> Inspect oil/water separators at least monthly. Follow procedures for sweeping up absorbent as soon as spilled substance have been absorbed.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide curbing or posts around fuel pumps to prevent collisions from vehicles and equipment.	
<input type="checkbox"/> As an alternative to other SCMs (e.g., diversion SCMs), collect stormwater runoff and provide treatment or recycling.	
<input type="checkbox"/> Prohibit "topping off" of fuel tanks.	
<input type="checkbox"/> Inspect storage tanks weekly to detect leaks or spills and monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Inspect the fueling area for leaks and spills daily.	
<input type="checkbox"/> For mobile fueling, ensure the fueling vehicle is equipped with a manual shutoff valve.	
<input type="checkbox"/> Train personnel who perform vehicle and equipment fueling within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 8: Vehicle and Equipment Storage and Parking	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> If possible, park/store vehicles and equipment indoors or under a roof.	
<input type="checkbox"/> Inspect for leaks all incoming vehicles, parts, and equipment that will be stored temporarily outside.	
<input type="checkbox"/> Inspect all equipment and vehicles monthly for leaking fluids such as oil, antifreeze, etc. Take leaking equipment and vehicles out of service and prevent leaks from spilling on the ground until repaired.	
<input type="checkbox"/> When parking/storing vehicles and equipment outside, install berms and dikes in storage areas.	
<input type="checkbox"/> Use absorbents and dry cleanup.	
<input type="checkbox"/> Clean oil and grease from paved surfaces daily.	
<input type="checkbox"/> For vehicles and equipment waiting for maintenance, place drip pans underneath.	

Stormwater Control Measures: Sector AB – Transportation Equipment, Industrial, or Commercial Machinery Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide dust control where necessary.	
<input type="checkbox"/> Inspect the storage area for full drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Train applicable employees on procedures for storage and inspection items within the first week of employment followed by refresher training annually and as needed.	

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Stormwater Control Measures: Sector AC – Electronic and Electrical Equipment and Components, Photographic, and Optical Goods Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 1: Outdoor Loading and Unloading	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Confine loading/unloading activities to a designated area outside drainage pathways and away from surface waters.	
<input type="checkbox"/> Perform all loading/unloading activities in a covered or enclosed area. Alternatively, cover loading/unloading area with permanent cover (e.g., roofs) or temporary cover (e.g., tarps).	
<input type="checkbox"/> Provide overhangs or door skirts to enclose trailer ends at truck loading/unloading docks.	
<input type="checkbox"/> Avoid loading/unloading materials in the rain.	
<input type="checkbox"/> Close storm drains during loading/unloading activities in surrounding areas.	
<input type="checkbox"/> Slope the impervious concrete floor or pad to collect spills and leaks and convey them to proper containment and treatment.	
<input type="checkbox"/> For rail transfer, install a drip pan within the rails to collect spillage from the tank.	

Stormwater Control Measures: Sector AC – Electronic and Electrical Equipment and Components, Photographic, and Optical Goods Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Where liquid or powdered materials are transferred in bulk to/from truck or rail cars, ensure that hose connection points at storage containers are inside containment areas. Alternatively, use drip pans in areas where spillage may occur which are not in a containment area.	
<input type="checkbox"/> Place catch trays between the dock and trailer at shipping and receiving bays to capture solids.	
<input type="checkbox"/> Enclose material handling systems.	
<input type="checkbox"/> Cover materials entering and leaving areas.	
<input type="checkbox"/> Install an oil/water separator in catch basins.	
<input type="checkbox"/> Inspect all containers prior to loading/unloading of any raw or spent materials.	
<input type="checkbox"/> Inspect pallets for protruding nails or broken boards.	
<input type="checkbox"/> Provide diversion berms, dikes, or vegetated swales around the perimeter of the area to limit run-on.	

Stormwater Control Measures: Sector AC – Electronic and Electrical Equipment and Components, Photographic, and Optical Goods Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a dead-end sump where spilled materials could be directed.	
<input type="checkbox"/> Use dry cleanup methods instead of washing the areas down.	
<input type="checkbox"/> Regularly sweep area to minimize debris on the ground.	
<input type="checkbox"/> Provide dust control if necessary. When controlling dust, sweep and/or apply water or materials that will not impact surface or groundwater.	
<input type="checkbox"/> Develop and implement spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Train employees on proper loading/unloading techniques, proper materials management techniques, and spill prevention and response.	
Pollutant Source 2: Materials Handling and Storage	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
Storage Areas – General	
<input type="checkbox"/> Store materials on concrete pads to facilitate cleanup of leaks/spills.	

Stormwater Control Measures: Sector AC – Electronic and Electrical Equipment and Components, Photographic, and Optical Goods Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide secondary containment for storage tanks and drum storage areas.	
<input type="checkbox"/> Maintain dry ground surfaces.	
<input type="checkbox"/> Confine storage to designated and labeled areas outside of drainage pathways and away from high-traffic areas and surface waters.	
<input type="checkbox"/> Shelter chemical and material handling and storage areas with roofs, covers, or other appropriate forms of protection.	
<input type="checkbox"/> Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.	
<input type="checkbox"/> Prevent run-on to storage area.	
<input type="checkbox"/> Divert stormwater around storage areas using vegetated swales and/or berms.	
Storage Areas – Liquid Fuel	
<input type="checkbox"/> If area is uncovered, connect sump outlet to sanitary sewer (if possible) or to appropriate treatment such as an American Petroleum Institute (API) or Coalescing Plate (CP) oil/water	

Stormwater Control Measures: Sector AC – Electronic and Electrical Equipment and Components, Photographic, and Optical Goods Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
separator, catch basin filter, or other appropriate system.	
<input type="checkbox"/> If connecting to a sanitary sewer, check with the system operator to ensure that the discharge is acceptable.	
<input type="checkbox"/> If implementing separator or filter technologies, ensure that regular inspections and maintenance procedures are in place.	
Permanent Tanks	
<input type="checkbox"/> Store permanent tanks on an impervious surface surrounded by dikes with a height sufficient to contain a spill (the greater of either 10 percent of the volume of all containers or 110 percent of the volume of the largest tank).	
<input type="checkbox"/> Clearly label all permanent tanks.	
<input type="checkbox"/> Provide controls for aboveground tanks.	
<input type="checkbox"/> Use double-walled tanks.	
<input type="checkbox"/> Provide tanks with overflow protection.	

Stormwater Control Measures: Sector AC – Electronic and Electrical Equipment and Components, Photographic, and Optical Goods Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Provide fuel level indicators.	
<input type="checkbox"/> Keep valves on permanent storage tanks in “off” position and locked at all times, except when collected water is removed.	
<input type="checkbox"/> Institute protocols for testing stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Check/test stormwater in containment areas prior to discharge.	
<input type="checkbox"/> Maintain good integrity of all drums and tanks.	
<input type="checkbox"/> Keep liquid transfer nozzles/hoses in secondary containment area.	
Portable Drums and Containers	
<input type="checkbox"/> Store drums, including empty or used drums, in secondary containment with a roof or cover (including temporary cover such as a tarp that prevents contact with precipitation). Store drums indoors when possible.	
<input type="checkbox"/> Provide secondary containment, such as dikes or portable containers, with a height sufficient to contain a spill (the greater of 10 percent of	

Stormwater Control Measures: Sector AC – Electronic and Electrical Equipment and Components, Photographic, and Optical Goods Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
the total enclosed drum volume or 110 percent of the volume contained in the largest tank).	
<input type="checkbox"/> Clearly label drums with their contents.	
<input type="checkbox"/> Identify potentially hazardous materials, their characteristics, and their use.	
<input type="checkbox"/> Clearly identify whether a drum contains materials that should be stored outdoors or indoors. Drums stored outdoors should be stored under cover.	
<input type="checkbox"/> Use temporary containment and portable drip pans where required.	
<input type="checkbox"/> Use spill troughs for drums with taps.	
<input type="checkbox"/> Empty containment units with manually operated pumps or ejectors.	
<input type="checkbox"/> If facility drainage is not engineered as listed above, equip the final discharge point of all facility sewers to prevent discharge in the event of an uncontrolled spill.	

Stormwater Control Measures: Sector AC – Electronic and Electrical Equipment and Components, Photographic, and Optical Goods Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Materials Handling and Inventory Management	
<input type="checkbox"/> Document potentially hazardous materials including their characteristics and use.	
<input type="checkbox"/> Limit purchases of potentially hazardous materials. Also limit the storage and handling of such materials.	
<input type="checkbox"/> Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse.	
<input type="checkbox"/> Use fluid level indicators.	
<input type="checkbox"/> Maintain an inventory of fluids to help identify any leakage. Identify quantity, receipt date, service life, users, and disposal procedures.	
<input type="checkbox"/> Clearly identify accumulation dates on the outside of waste chemical storage units.	
<input type="checkbox"/> Properly dispose of chemicals that are no longer in use by taking them to a hazardous waste recycling center or contracting with a qualified disposal company. Keep records to identify quantity, receipt date, service life, users, and disposal routes.	

Stormwater Control Measures: Sector AC – Electronic and Electrical Equipment and Components, Photographic, and Optical Goods Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Keep waste chemicals segregated when reuse or recycling is possible.	
<input type="checkbox"/> Return toxic material packaging to the supplier for re-use.	
Spill Containment and Prevention	
<input type="checkbox"/> Develop and implement spill plans or spill prevention, control, and countermeasure (SPCC) plans, if required for your facility.	
<input type="checkbox"/> Keep spill kits readily available.	
<input type="checkbox"/> Have materials such as absorbent pads easily accessible to clean up spills.	
<input type="checkbox"/> Clean up leaks and spills immediately. Use dry methods if possible.	
<input type="checkbox"/> Provide drip pads/pans where chemicals are transferred from one container to another to recover and reuse leaks/spills.	
<input type="checkbox"/> When using portable drip pans, employ temporary containment.	
Batteries	

Stormwater Control Measures: Sector AC – Electronic and Electrical Equipment and Components, Photographic, and Optical Goods Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Store used lead-acid batteries on an impervious surface, under cover, protected from weather and freezing.	
<input type="checkbox"/> If a battery is dropped, treat it as if it is cracked.	
<input type="checkbox"/> Neutralize acid spills, such as with baking soda, and dispose of the resulting waste as hazardous.	
Dust Control	
<input type="checkbox"/> Use dust collection systems (i.e., baghouses) to collect airborne particles generated as a result of material handling operations or aggregate drying.	
<input type="checkbox"/> Promptly dispose of waste materials from dust collection systems and other operations.	
<input type="checkbox"/> Remove spilled material and dust from paved portions of the facility by regularly shoveling, sweeping, or vacuuming.	
<input type="checkbox"/> Clean material handling equipment and vehicles to remove accumulated dust and residue on a regular basis.	
<input type="checkbox"/> Utilize catch basins to collect potentially contaminated stormwater.	

Stormwater Control Measures: Sector AC – Electronic and Electrical Equipment and Components, Photographic, and Optical Goods Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Use a detention pond or sedimentation basin to reduce suspended solids.	
Inspections and Training	
<input type="checkbox"/> Inspect berms, curbs, and secondary containment systems weekly. Perform repairs as needed.	
<input type="checkbox"/> Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks weekly and during significant rainfall events. Inspect monthly for deterioration such as corrosion, cracks, or damage. Perform preventive maintenance as needed.	
<input type="checkbox"/> Conduct container integrity testing annually or as recommended and provide leak detection. Ensure that a qualified professional does integrity testing.	
<input type="checkbox"/> Inspect the storage area for filled drip pans and other problems weekly or more frequently, as needed.	
<input type="checkbox"/> Inspect and maintain baghouses monthly to prevent the escape of dust from the system. Immediately remove any accumulated dust at the base of exterior bag houses.	
<input type="checkbox"/> Train applicable employees in good housekeeping, spill prevention and control, and materials management and disposal procedures within the first week of employment followed by refresher training annually and as needed.	

Stormwater Control Measures: Sector AC – Electronic and Electrical Equipment and Components, Photographic, and Optical Goods Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
Pollutant Source 3: Waste Management	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Store waste in enclosed and/or covered areas.	
<input type="checkbox"/> Store wastes in covered, leak-proof containers (e.g., dumpsters, drums).	
<input type="checkbox"/> Cover the dumpsters or move them indoors.	
<input type="checkbox"/> Use linked dumpsters that do not leak.	
<input type="checkbox"/> Dispose of or recycle packaging properly.	
<input type="checkbox"/> Provide a lining for the dumpsters.	
<input type="checkbox"/> Direct runoff to on-site retention pond.	

Stormwater Control Measures: Sector AC – Electronic and Electrical Equipment and Components, Photographic, and Optical Goods Manufacturing Facilities	
SCMs	Reason Why Inappropriate / Not Done
<input type="checkbox"/> Ensure hazardous and solid waste disposal practices are performed in accordance with applicable federal, state, and local requirements.	
<input type="checkbox"/> Ship all wastes to off-site licensed landfills or treatment facilities.	
Pollutant Source 4: Particulate Emission Management	
Pollutant source present? <input type="checkbox"/> YES <input type="checkbox"/> NO (if NO, skip to next section)	
<input type="checkbox"/> Clean around vents and stacks.	
<input type="checkbox"/> Place tubs around vents and stacks to collect particulates.	
<input type="checkbox"/> Inspect air emission control systems (e.g., baghouses) regularly. Repair or replace when necessary.	