



K A N S A S

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DEPARTMENT OF HEALTH AND ENVIRONMENT

Source ID No.: 1130003

Effective Date: June 27, 2005

Source Name: National Cooperative Refinery Association (NCRA) McPherson

SIC Code: 2911, Petroleum Refining

NAICS Code: 324110, Petroleum Refining

Source Location: 1391 Iron Horse Road
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This permit is issued pursuant to K.S.A. 65-3008 as amended; and consists of the conditions contained herein, the permit application dated June 2002, the permit application dated December 2004, and all revisions. In the event that any conditions, requirements, or limitations contained herein is not in exact agreement with the permit applications, or any of its revisions, the conditions, requirements, and/or limitation contained herein shall control.

Description of Activity Subject to Air Pollution Control Regulations

National Cooperative Refinery Association (NCRA) has proposed its "Clean Fuels Project" at its petroleum refinery in McPherson, Kansas. The Clean Fuels Project will involve major changes to the refinery, enabling NCRA to comply with the Tier 2 gasoline standard (30 ppmw sulfur) and ultra low-sulfur diesel standard (15 ppmw sulfur) by June 1, 2006.

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Proposed refinery modifications associated with the Clean Fuels Project include the installation of an FCC feed severe hydrotreater unit (Unicracking Unit) designed to remove sulfur and nitrogen from the gas oil feed, a steam reforming unit (Hydrogen Unit) to supply hydrogen for hydrotreating, a Sulfur Recovery Unit to recover the additional sulfur from severely hydrotreating gas oil and distillates, a Sour Water Stripper, a Platformer Net Hydrogen Compressor, an Emergency Generator, and a No. 3 Flare that will serve the new and modified units. Changes will be made within the Vacuum Unit, Coker Unit, Distillate Hydrotreater Unit, Fluid Catalytic Cracking Unit (FCCU), FCC Gas Plant, Amine Unit, and tank farm. Eight tanks will be modified. The existing Gas Oil Hydrotreater Unit will be converted to a Diesel Hydrotreater Unit. Within the existing Platformer Unit, a pressure swing absorption system (Platformer PSA) will be constructed to recover additional hydrogen from fuel gas. Two platformer compressors, CP-1 and CP-2, will be shut down. Other changes will be made throughout the refinery to accommodate the new and modified equipment.

The Clean Fuels Project constitutes a major modification under Prevention of Significant Deterioration (PSD) [40 CFR 52.21, incorporated at K.A.R. 28-19-17]. The project emissions increase is above PSD de-minimis thresholds for PM, PM₁₀, NO_x, SO₂, CO and VOC. Best Available Control Technology (BACT) will be installed on the new emissions units and the emissions units that will be physically or operationally modified. These include process heaters (2 new and 1 modified), new emergency generator, new flare, new process vent, new process drain systems, components (valves, flanges, etc.) in VOC service in both modified and new units, operationally modified coker drums, modified coker compressor, new ammonium thiosulfate (ATS) production unit and new cooling towers, modified ATS unit, and modified tanks. In addition, BACT will be installed on the modified fluid catalytic cracking unit catalyst regenerator vent.

The increase in emissions of hazardous air pollutants (HAPs) will be well below the case-by-case Maximum Achievable Control Technology (MACT) thresholds (40 CFR Part 63, Subpart A) of 10 tons/year for any single HAP and 25 tons/year for combined total HAPs for each new refinery process unit. Additionally, because each unit is below the 10/25 ton per year thresholds, the new process units will be subject to the existing source MACT requirements of 40 CFR Part 63, Subpart CC (Petroleum Refinery NESHAP).

A Clean Air Act Consent Decree between NCRA, the United States, and Kansas requires the addition of air pollution controls, process changes and monitoring equipment, and contains recordkeeping and reporting conditions. Future changes required by the Consent Decree are closely tied to the changes required by the Clean Fuels Project, and are anticipated to be no less stringent than the requirements of this permit. This permit may be further revised to incorporate final emission limits and reporting requirements after all consent decree activity is complete.

Significant Applicable Air Regulations

The project, as proposed, is subject to Kansas Administrative Regulations relating to air pollution control. The following air quality regulations were determined to be applicable to this source:

1. K.A.R. 28-19-17 Prevention of Significant Deterioration of Air Quality.
2. K.A.R. 28-19-31 Indirect Heating Equipment Emissions – Emission Limitations.
3. K.A.R. 28-19-650(a)(3) Emissions Opacity Limits.
4. K.A.R. 28-19-720 New Source Performance Standards, which adopts 40 CFR Part 60 Subpart A, Standards of Performance for New Stationary Sources - General Provisions.
5. K.A.R. 28-19-720 New Source Performance Standards, which adopts 40 CFR Part 60 Subpart J, Standards of Performance for Petroleum Refineries.
6. K.A.R. 28-19-720 New Source Performance Standards, which adopts 40 CFR Part 60 Subpart GGG, Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries.
7. K.A.R. 28-19-720 New Source Performance Standards, which adopts 40 CFR Part 60 Subpart QQQ, VOC Emissions from Petroleum Refinery Wastewater Systems.
8. K.A.R. 28-19-720 New Source Performance Standards, which adopts 40 CFR Part 60 Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels.
9. K.A.R. 28-19-735 Hazardous Air Pollutants, which adopts 40 CFR Part 61 Subpart A, National Emissions Standards for Hazardous Air Pollutants – General Provisions
10. K.A.R. 28-19-750 Hazardous Air Pollutants, Maximum Achievable Control Technology, which adopts 40 CFR Part 63 Subpart A, National Emission Standards for Hazardous Air Pollutants for Source Categories – General Provisions.
11. K.A.R. 28-19-735 Hazardous Air Pollutants, Maximum Achievable Control Technology, which adopts 40 CFR Part 61 Subpart FF, National Emission Standards for Benzene Waste Operations.
12. K.A.R. 28-19-750 Hazardous Air Pollutants, Maximum Achievable Control Technology, which adopts 40 CFR Part 63 Subpart CC, National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries.
13. K.A.R. 28-19-750 Hazardous Air Pollutants, Maximum Achievable Control Technology, which adopts 40 CFR Part 63 Subpart UUU, National Emission Standards for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.
14. K.A.R. 28-19-750 Hazardous Air Pollutants, Maximum Achievable Control Technology, which adopts 40 CFR Part 63 Subpart H, National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks.

15. K.A.R. 28-19-750 Hazardous Air Pollutants, Maximum Achievable Control Technology, which adopts 40 CFR Part 63 Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters.

Air Emission Unit Technical Specifications

The following equipment or equivalent is approved:

1. Unicracking process unit (includes Unicracking unit, heater, and drain system).
2. Hydrogen process unit (includes Hydrogen unit, PSA unit, heater, and drain system).
3. New ATS Unit and associated drain system.
4. No. 3 flare and associated drain system.
5. Sour water stripper.
6. Platformer PSA.
7. SRU No. 2 Cooling Towers (2 towers, each with 2 cells).
8. Electrostatic precipitator on CO boiler.
9. Mist eliminator on 3rd cell of OIP cooling tower.
10. Emergency Generator for new control room.

Modifications to the following equipment or equivalent are approved:

1. Vacuum unit.
2. Distillate hydrotreater.
3. Gas-Oil hydrotreater (to be converted to Diesel Hydrotreater).
4. Coke drums.
5. Coker Compressor.
6. Drains for modified units.
7. FCCU.

8. Existing ATS unit (the McPherson Agricultural Products, LLC facility).
9. Amine unit.
10. Eight tanks (TK-PH-J-04, TK-PH-A-31, TK-PH-A-34, TK-PH-C-13, TK-PH-C-14, TK-PH-J-08, TK-PH-J-09, TK-PH-J-10, including pumps and piping system in tank farm).

Air Emissions Estimates from the Proposed Activity

Pollutant	BACT-Controlled Net Increase in Emissions (tons/year)
Particulate Matter (PM)	107
Particulate Matter less than 10 microns in diameter (PM ₁₀)	101
Oxides of Nitrogen (NOx)	378
Oxides of Sulfur (SOx)	127
Carbon Monoxide (CO)	357
Volatile Organic Compounds (VOC)	159

Air Emission Limitations

K.A.R. 28-19-650(a)(3): Opacity of visible emissions limited to 20%.

40 CFR Part 60 Subpart J: SO₂ emissions limit of less than 0.1 gr H₂S/dscf fuel for new Unicracking Unit heater, new Hydrogen Unit heater, modified Vacuum Unit heater and the No. 3 flare. [Note: combustion in the flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the SO₂ standard]. The current SO₂ BACT limit for Clean Fuels Project is more stringent than the NSPS Subpart J SO₂ limit at 0.05 gr H₂S/dscf fuel. See Permit Conditions.

40 CFR Part 60 Subpart J: SO₂ emissions limit of 250 ppm by volume (dry basis) at 0% O₂ for both the new and existing ATS plants. The current BACT limit for Clean Fuels Project is more stringent than the NSPS Subpart J SO₂ limit at 90 ppm SO₂ by volume (dry basis) at 0% O₂. See Permit Conditions.

Permit Conditions

40 CFR Part 60 Subpart A – General Provisions Requirements

1. Compliance with standards in this part, other than the opacity standards, will be determined in accordance with the performance tests specified in 40 CFR 60.8, unless otherwise specified in the applicable standard. [40 CFR 60.11(a)]
2. Compliance with opacity standards in this part shall be determined by conducting observations in accordance with specified methods, and for determining initial compliance, the minimum total time of observations shall be three hours for the performance test or other set of observations. [40 CFR 60.11(b)]
3. The opacity standards set forth in this part shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard. [40 CFR 60.11(c)]
4. At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practically possible, maintain and operate any affected facility, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 60.11(d)]
5. Specific requirements regarding opacity observations are described in 40 CFR 60.11(e). [40 CFR 60.11(e)(1) through (e)(8)]
6. Special provisions set forth under an applicable subpart supercede any conflicting provisions in this part. [40 CFR. 60.11(f) and (g)]
7. No owner or operator subject to this part can build, erect, install, or use any article, etc. the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. [40 CFR 60.12]
8. Continuous monitoring system requirements are as described in 40 CFR 60.13. [40 CFR 60.13]
9. The methodology to be used to determine when a physical or operational change is considered a modification, and how to calculate the associated emissions rate, is as described in 40 CFR 60.14. [40 CFR 60.14]
10. Flare design and operation requirements are as described in 40 CFR 60.18. [40 CFR 60.18]

BACT, 40 CFR Part 60 Subpart J, and 40 CFR Part 63 Subpart DDDDD Requirements for New Heaters, Flare, ATS plants, SRU No. 2 Cooling Towers and Emergency Generator

The permittee shall comply with the following requirements on and after the date on which the initial performance test is completed, but not later than 60 days after achieving the maximum production rate at which the affected facility will be operated, or 180 days after initial startup, whichever comes first.

1. The owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide in excess of 0.05 gr/dscf. For the Hydrogen Unit heater only, fuel will be limited to combined use of 60% PSA purge gas and 40% propane, natural gas or refinery gas, on a heat input basis, with the 40% portion containing no greater than 0.05 gr H₂S/dscf. The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the 0.05 gr/dscf limit.
2. The owner or operator will limit the discharge of any gases into the atmosphere from the ATS Units' stack to 90 ppm by volume (dry basis) of sulfur dioxide at zero percent O₂ [24-hour rolling average].
3. The owner or operator will limit NO_x emissions from the Vacuum Unit heater to 0.05 lb NO_x/mmBtu (3-hour block average); from the Unicracking Unit heater to 0.026 lb NO_x/mmBtu (3-hour block average); and from the Hydrogen Unit heater to 0.0093 lb NO_x/mmBtu (3-hour block average).
4. Carbon monoxide emissions from the Unicracking Unit heater, Hydrogen Unit heater, and the Vacuum Unit heater are limited to 0.06 lb/mmBtu [30-day rolling average], VOC emissions from the Vacuum Unit heater and Hydrogen Unit heater are limited to 0.007 lb/mmBtu [30 day rolling average] and VOC emissions from the Unicracking Unit Heater are limited to 0.02 lb/mmBtu [30-day rolling average].
5. Carbon Monoxide emissions from the Unicracking Unit heater and Hydrogen Unit heater are limited to 400 ppm (dry, 3% O₂) [30-day rolling average].
6. Emissions of PM/PM₁₀ from the Hydrogen Plant heater are limited to 0.0116 lb/mmBtu (3-hour block average).
7. High efficiency mist eliminators designed to achieve ≤ 0.001 drift as % of total flow shall be installed, operated and maintained on the SRU No. 2 Cooling Towers.

BACT and 40 CFR Part 60 Subpart J Requirements for FCCU

The permittee shall comply with the following requirements on and after the date on which the initial performance test is completed, but not later than 60 days after achieving the maximum production rate at which the affected facility will be operated, or 180 days after initial startup of the new Unicracking Unit, whichever comes first. These conditions may be superceded by more stringent conditions that may apply after all consent decree activity is complete.

1. The owner or operator will limit the discharge of any gases into the atmosphere from the FCCU (CO Boilers' stack) to 87 ppm by volume (dry basis) of sulfur dioxide at zero percent O₂ [24-hour block average], and to 45 ppm by volume (dry basis) of sulfur dioxide at zero percent O₂ [365-day rolling average].
2. The owner or operator will limit the discharge of any gases into the atmosphere from the FCCU (CO Boilers' stack) to 68 ppm by volume (dry basis) of nitrogen oxides at zero percent O₂ [365-day rolling average].
3. The owner or operator will limit the discharge of any gases into the atmosphere from the FCCU (CO Boilers' stack) to 500 ppm by volume (dry basis) of carbon monoxide at zero percent O₂ [1-hour average], and to 150 ppm by volume (dry basis) of carbon monoxide at zero percent O₂ [365-day rolling average].
4. The owner or operator will limit the discharge of any gases into the atmosphere from the FCCU (CO Boilers' stack) to 0.8 pounds of particulate matter per 1000 pounds of coke burnoff in the catalyst regenerator.

BACT and 40 CFR Part 60 Subpart GGG Requirements for Equipment Components in VOC Service (Compliance with 40 CFR Part 63 Subpart H, determined to be BACT, will demonstrate compliance with NSPS Subpart GGG as described at 40 CFR 63.160(c)):

The permittee shall comply with the following requirements as soon as practicable, but no later than 180 days after initial startup:

1. The permittee shall demonstrate compliance with the requirements of BACT and 40 CFR Part 60 Subpart GGG for all related equipment within 180 days of initial startup.
2. Compliance will be determined by review of records and reports, review of performance test results, and inspection using the methods and procedures specified at 40 CFR 60.485 and 40 CFR 63.10 as applicable.

Pumps in light liquid service:

1. The permittee shall comply with the equipment leak requirements in 40 CFR 63.163 [HON Subpart H]

2. Each pump in light liquid service shall be monitored monthly to detect leaks by the methods specified at 40 CFR 63.180(b), except as provided at 40 CFR 63.162(b) and paragraphs (e - j) of 40 CFR 63.163. [40 CFR 63.163(b)(1)]
3. Each pump in light liquid service shall be checked by visual inspection each calendar week for indications of liquids dripping from the pump seal. [40 CFR 63.163(b)(3)]
4. Upon initial startup: If an instrument reading of 5,000 ppm or greater is measured, a leak is detected. [40 CFR 63.163(b)(2)(ii)]
5. No later than one year after initial startup: If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. [40 CFR 63.163(b)(2)(iii)(C)]
6. If there are indications of liquids dripping from the pump seal, a leak is detected. [40 CFR 63.163(b)(3)]
7. No later than one year after initial startup: If the greater of either 10 percent of pumps in the process unit or 3 pumps in the process unit leak, the permittee shall implement a quality improvement program (QIP) that complies with the requirements of 40 CFR 63.176. This does not apply to process unit if more than 90% of the pumps in the unit are either dual mechanical seal or designed with no externally activated shaft penetrating the housing. [40 CFR 63.163(d)(2)]
8. The owner or operator shall calculate the percent leaking pumps in accordance with the procedure in 40 CFR 63.163(d), except that the term "HAP" shall be replaced by "VOC."
9. When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided at 40 CFR 63.163(c)(3), 40 CFR 63.171, or 40 CFR 63.176. For pumps subject to the 1,000 ppm leak definition, repair is not required unless an instrument reading of 2,000 ppm or greater is detected. [40 CFR 63.163(c)(1) & (c)(3)]
10. A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. [40 CFR 63.163(c)(2)]

Pressure relief devices in gas/vapor service:

1. The permittee shall comply with the equipment leak requirements in 40 CFR 63.165 [HON Subpart H].
2. Each pressure relief device in gas/vapor service that is routed to a process or is equipped with a closed vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in 40 CFR 63.172 shall be exempt from the requirements listed below. [40 CFR 63.165(c)]

3. Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined by the methods specified at 40 CFR 63.180(b). [40 CFR 63.165(a)]
4. Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined by the methods specified at 40 CFR 63.180(b). [40 CFR 63.165(a)]
5. No later than 5 calendar days after the pressure release, the pressure relief device shall be monitored to confirm the conditions of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, by the methods specified at 40 CFR 63.180(b). [40 CFR 63.165(b)(2)]

Pressure relief devices in liquid service and instrumentation systems:

1. The permittee shall comply with the equipment leak requirements in 40 CFR 63.169 [HON Subpart H].
2. The permittee shall monitor any potential leaks in accordance with the methods specified in 40 CFR 63.180(b) no later than 5 calendar days after the detection of a potential leak by visual, auditory, olfactory, or other detection method. [40 CFR 63.169(a)]
3. If an instrument reading of 500 ppm or greater is measured, a leak is detected. [40 CFR 63.169(b)]
4. When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided at 40 CFR 63.171. [40 CFR 63.169(c)(1)]
5. A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. [40 CFR 63.169(c)(2)]
6. For equipment that are not monitored in accordance with 40 CFR 63.180(b), repair shall mean that visual, olfactory, or other indications of a leak have been eliminated. [40 CFR 63.169(c)(3)]

Sampling connection systems:

1. The permittee shall comply with the equipment leak requirements in 40 CFR 63.166 [HON Subpart H].

2. Each sampling connection system shall be equipped with a closed purge system, closed loop, or closed vent system, except as provided at 40 CFR 63.162(b) and 40 CFR 63.166(c). [40 CFR 63.166(a)]
3. Each closed purge system or closed vent system as required shall: [40 CFR 63.166(b)]
 - (a) Return the purged process fluid directly to the process line; or [40 CFR 63.166(b)(1)]
 - (b) Collect and recycle the purged process fluid to a process; or [40 CFR 63.166(b)(2)]
 - (c) Be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements at 40 CFR 63.172. [40 CFR 63.166(b)(3)]

Open-ended valves or lines:

1. The permittee shall comply with the equipment leak requirements in 40 CFR 63.167 [HON Subpart H].
2. Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided at 40 CFR 63.162(b) and 40 CFR 63.167(d). [40 CFR 63.167(a)(1)]
3. The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance or repair. [40 CFR 63.167(a)(2)]
4. Each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed. [40 CFR 63.167(b)]
5. When a double block-and-bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with the requirements at 40 CFR 63.167(a) at all other times. [40 CFR 63.167(c)]

Valves in gas/vapor service or valves in light liquid service:

1. The permittee shall comply with the equipment leak requirements in 40 CFR 63.168 [HON Subpart H].
2. For the first year upon startup, each valve shall be monitored quarterly to detect leaks by the test methods and procedures specified at 40 CFR 63.180(b) except as provided in 40 CFR 63.162(b) and 40 CFR 63.168(h and i). [40 CFR 63.168(b) & (c)]

3. If an instrument reading of 500 ppm or greater is measured, a leak is detected. [40 CFR 63.168(b)(2)(ii) & (b)(2)(iii)]
4. No later than one year after initial startup: [40 CFR 63.168(d)]

Percent Leaking	Monitoring Frequency
> 2	Monthly or implement a QIP per 40 CFR 63.175(d) or (e) and monitor quarterly
< 2	Quarterly
< 1	Quarterly or once every 2 quarters
< 0.5	Quarterly or once every 4 quarters

5. Percent leaking valve and monitoring frequency calculations shall be performed in accordance with the procedures in 40 CFR 63.168(e). [40 CFR 63.168(e)]
6. When a leak is detected, it shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected, except as provided at 40 CFR 63.171. [40 CFR 63.168(f)(1)]
7. A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. [40 CFR 63.168(f)(2)]
8. First attempts at repair include, but are not limited to, the following best practices where practicable: [40 CFR 63.168(g)]
 - (a) Tightening of bonnet bolts; [40 CFR 63.168(g)(1)]
 - (b) Replacement of bonnet bolts; [40 CFR 63.168(g)(2)]
 - (c) Tightening of packing gland nuts; [40 CFR 63.168(g)(3)]
 - (d) Injection of lubricant into lubricated packing. [40 CFR 63.168(g)(4)]

Connectors in gas/vapor service and connectors in light liquid service:

1. The permittee shall comply with the equipment leak requirements in 40 CFR 63.174 [HON Subpart H].
2. Except as provided in 40 CFR 63.162(b) and 40 CFR 63.174(f-h), connectors in gas/vapor service and connectors in light liquid shall be monitored as follows: 1) an initial survey within a 12-month period as specified at 40 CFR 63.180(b), and 2) subsequent monitoring based upon the percent leaking connectors as provided below: [40 CFR 63.174(b)(2) and (b)(3)]

- Annual if > 0.5%
 - Once every 2 years if < 0.5%
 - Once every 4 years if <0.5% during 2 year monitoring
 - Once every 2 years if 0.5 to <1% during 4 year monitoring
 - Annual if >1% during 4 year monitoring
3. To comply with monitoring frequency of once every two years, the permittee shall monitor at least 40% of the connectors in the first year and the remainder in the second year. To comply with monitoring frequency of once every four years, the permittee shall monitor at least 20% each year until all have been monitored within 4 years. [40 CFR 63.174(b)(3)]
 4. Connectors that have been opened or reconnected or have had the seal broken: The permittee shall monitor for leaks within 3 months after being returned to VOC service or calculate percent leakers by setting nonrepairable components to zero for all monitoring periods. The permittee may switch between these alternatives at end of monitoring period. A switch in alternatives requires initial monitoring no later than 12 months after reporting the switch. [40 CFR 63.174(c)(1)(i)]
 5. If an instrument reading of 500 ppm or greater is measured, a leak is detected. [40 CFR 63.174(a)(2)]
 6. When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided at 40 CFR 63.171. [40 CFR 63.174(d)]
 7. The first attempt at repair shall be made no later than 5 calendar days after each leak is detected. [40 CFR 63.174(d)]
 8. First attempts at repair include, but are not limited to, tightening of bonnet bolts, replacement of bonnet bolts, tightening of packing gland nuts, and/or injection of lubricant into lubricated packing.

Closed vent systems and control devices:

1. The permittee shall comply with the requirements for closed vent systems and control devices in 40 CFR 63.172 [HON Subpart H].
2. Each closed vent system and control device used to comply with the BACT and 40 CFR Part 60 Subpart GGG requirements shall be subject to the following requirements, except as provided in 40 CFR 63.162(b) and 40 CFR 63.172(k and l). [40 CFR 63.172(a)]

3. Closed vent systems shall be designed and operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined by the procedures specified in 40 CFR 63.180(b). [40 CFR 63.172(h)]
4. Closed vent systems and control devices shall be operated at all times when emissions may be vented to them.
5. Hard pipe construction closed vent systems shall be monitored by an initial inspection using the procedures in 40 CFR 63.180 followed by annual visual inspections. [40 CFR 63.172(f)]
6. Ductwork construction closed vent systems shall be monitored by initial and subsequent annual inspections using the procedures in 40 CFR 63.180. [40 CFR 63.172(f)]
7. If a closed vent system contains by-pass lines, the permittee shall comply with the provisions of 40 CFR 63.172(j). [40 CFR 63.172(j)]
8. If a control device is used to comply with the provisions of BACT and 40 CFR Part 60 Subpart GGG, the permittee shall monitor these control devices to ensure that they are operated and maintained in conformance with their designs. [40 CFR 63.172(e)]
9. Flares used to comply with BACT and 40 CFR 60 Subpart GGG shall comply with the requirements of 40 CFR 63.11(b). [40 CFR 63.172(d)]

Compressors:

1. The permittee shall comply with the requirements for compressors in 40 CFR 63.164. [HON Subpart H]
2. Each compressor shall be equipped with a seal system as specified in 40 CFR 63.164 (b), the seal system must include a barrier fluid system and prevents leakage of process fluid to the atmosphere. [40 CFR 63.164(a)]
3. The barrier fluid shall not be in light liquid service. [40 CFR 63.164(c)]
4. Each compressor, as described in 40 CFR 63.164 (a – c), shall be equipped with a sensor to detect fail of the seal system, the barrier fluid system, or both. [40 CFR 63.164(d)]
5. Each sensor shall be observed daily or shall be equipped with an alarm. The permittee shall determine, based on design consideration and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. [40 CFR 63.164(e)]

6. A leak is detected if the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined per 40 CFR 63.164 (e). [40 CFR 63.164(f)]
7. When a leak is detected it shall be repaired as soon as practicable, but no later than 15 calendar days after it is detected, except as provided in 40 CFR 61.171. A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. [40 CFR 63.164(g)]
8. A compressor is exempt from the requirements of 40 CFR 63.164(a - g) if it is equipped with a closed-vent system to capture and transport leakage from the compressor drive shaft seal back to a process or a fuel gas system or to a control device that complies with the requirements of 40 CFR 63.172. [40 CFR 63.164(h)]
9. Any compressor that is designated, by 40 CFR 63.181(b)(2)(ii), to operate with an instrument reading of less than 500 parts per million above background, is exempt from the requirements of 40 CFR 63.164(a - h) if the compressor: is demonstrated to be operating with an instrument reading of less than 500 parts per million above background, as measured by the method specified in 40 CFR 63.180(c); and is tested for compliance with 40 CFR 63.164(i)(1) initially upon designation, annually, and at other times requested by the Administrator. [40 CFR 63.164(i)]
10. Compressors in hydrogen service are exempt from the requirements of 40 CFR 63.164 (a - h) if the Permittee demonstrates that a compressor is in hydrogen service. [40 CFR 63.648(g)]

40 CFR Part 60 Subpart QQQ Requirements for Clean Fuels Project Wastewater System:

1. The permittee shall comply with the requirements of 40 CFR 60.692-1 to 60.692-5 and with 40 CFR 60.693-1 and 60.693-2, except during periods of startup, shutdown, or malfunction. [40 CFR 60.692-1(a)]
2. Compliance with 40 CFR 60.692-1 to 60.692-5 and with 40 CFR 60.693-1 and 60.693-2 will be determined by review of records and reports, review of performance test results, and inspection using the methods and procedures specified in 40 CFR 60.696. [40 CFR 60.692-1(b)]
3. Each drain (except those drains not in active service) shall be equipped with water seal controls. [40 CFR 60.692-2(a)(1)]
4. Each drain in active service shall be checked by visual or physical inspection initially and monthly thereafter for indications of low water levels or other conditions that would reduce the effectiveness of the water seal controls. [40 CFR 60.692-1(a)(2)]

5. Each drain out of active service shall be checked by visual or physical inspection initially and weekly thereafter for indications of low water levels or other problems that could result in VOC emissions unless the permittee elects to install a tightly sealed cap or plug over a drain that is out of service, in which case inspections shall be conducted initially and semiannually to ensure caps or plugs are in place and properly installed. [40 CFR 60.692-2(a)(3) & (a)(4)]
6. Whenever low water levels or missing or improperly installed caps or plugs are identified, water shall be added or first efforts at repair shall be made as soon as practicable, but not later than 24 hours after detection, except as provided at 40 CFR 60.692-6. [40 CFR 60.692-2(a)(5)]
7. Junction boxes shall be equipped with a cover and may have an open vent pipe. The vent pipe shall be at least 90 cm (3 ft) in length and shall not exceed 10.2 cm (4 in) in diameter. [40 CFR 60.692-2(b)(1)]
8. Junction box covers shall have a tight seal around the edge and shall be kept in place at all times, except during inspection and maintenance. [40 CFR 60.692-2(b)(2)]
9. Junction box covers shall have a tight seal around the edge and shall be kept in place at all times, except during inspection and maintenance. [40 CFR 60.692-2(b)(2)]
10. If a broken seal or gap is identified, first effort at repair shall be made as soon as practicable, but not later than 15 calendar days after the broken seal or gap is identified, except as provided at 40 CFR 60.692-6. [40 CFR 60.692-2(b)(4)]
11. Sewer lines shall not be open to the atmosphere and shall be covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. [40 CFR 60.692-2(c)(1)]
12. The portion of each unburied sewer line shall be visually inspected initially and semiannually thereafter for indication of cracks, gaps, or other problems that could result in VOC emissions. [40 CFR 60.692-2(c)(2)]
13. Whenever cracks, gaps, or other problems are detected, repairs shall be made as soon as practicable, but not later than 15 calendar days after identification, except as provided at 40 CFR 60.692-6. [40 CFR 60.692-2(c)(3)]
14. Refinery wastewater routed through new process drains and a new first common downstream junction box, either as part of a new individual drain system or an existing individual drain system, shall not be routed through a downstream catch basin. [40 CFR 60.692-2(e)]

40 CFR Part 60 Subpart Kb Standards for Tanks A-31, A-34, C-13, C-14, J-08, and J-10 (and BACT for those tanks and Tank J-04)

1. Tanks A-31 and J-04 will be modified. The emissions due to modifications will be reduced due to the addition of a hydrocarbon gas blanket/vapor recovery system.
2. Tanks A-31, A-34, C-13, and C-14 shall continue to comply with Kb requirements. Tanks J-08 and J-10 will become subject to Kb requirements when they are modified. VOC emissions on a kg/hr basis from Tank J-04 and J-09 will decrease as a result of the project, therefore, per 40 CFR 60.14, they will not be subject to Subpart Kb.

40 CFR Part 63 Subpart A General Provisions for Sources Subject to 40 CFR 63 Subparts CC, UUU, and DDDDD

1. At all times, including periods of startup, shutdown, and malfunction, owners or operators shall operate and maintain any affected source, including associated air pollution control equipment, in a manner to minimize emissions at least to the levels required by all relevant standards. [40 CFR 63.6(e)(1)(i)]
2. The owner or operator of an affected source shall develop and implement a written startup, shutdown, and malfunction plan. [40 CFR 63.6(e)(3)(i)]

40 CFR Part 63 Subpart CC Requirements for Equipment Leaks from New and Modified Equipment

1. Equipment leak and detection program consistent with 40 CFR Part 63 Subpart H (HON) is BACT, and this will provide compliance with Subpart CC. Requirements of the leak detection and repair program are described under permit requirements for Subpart GGG, except:
 - (a) Provisions only apply to equipment in organic HAP service. [40 CFR 63.648(a)(1)]
 - (b) Calculation of percentage leaking equipment components may be done on a process unit basis or a source-wide basis. [40 CFR 63.648(a)(2)]

40 CFR Part 63 Subpart UUU Requirements for FCCU and New Sulfur Recovery Unit

1. For the FCCU, the effective date is April 11, 2005.
2. The sulfur recovery unit must meet the requirements in 40 CFR 60 Subpart J, and compliance with that Subpart will allow compliance with this Subpart UUU.

Other Requirements

1. Compressor internal combustion engines CP-1 and CP-2 shall be shut down by the last day of the Fall 2005/Spring 2006 turnaround of the refinery or by June 1, 2006, whichever is sooner. [Consent Decree lodged 9/30/2003, paragraph 58]

Recordkeeping

40 CFR Part 60 Subpart A General Provisions Recordkeeping Requirements

1. The permittee shall maintain records of the occurrence of any startup, shutdown, or malfunction in the operation of any affected facility within the petroleum refinery. [40 CFR 60.7(b)]
2. Any owner or operator subject to the provisions of this subpart shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records, except as described in 40 CFR 60.7(f)(1) through (f)(3). [40 CFR 60.7(f)]

40 CFR Part 60 Subpart J, 40 CFR Part 63 Subpart DDDDD, and BACT Recordkeeping Requirements

1. Continuous monitoring systems shall be installed, calibrated, maintained, and operated, including: [40 CFR 60.105]
 - (a) For fuel gas combustion devices, an instrument for continuously monitoring and recording the concentration by volume (dry, zero percent O₂ basis) of SO₂ emissions into the atmosphere (except where an H₂S monitoring is installed under (a)(4) of this section). [40 CFR 60.105(a)(3)]
 - (b) For sulfur recovery plants with oxidation control systems or reduction control systems followed by incineration, an instrument for continuously monitoring and recording the concentration (dry, zero percent O₂ basis) of SO₂ emissions into the atmosphere. [40 CFR 60.105(a)(5)]
 - (c) For the FCC unit, an instrument for continuously monitoring and recording the concentration (dry, zero percent O₂ basis) of SO₂ emissions into the atmosphere.

- (d) For the FCC unit, an instrument for continuously monitoring and recording the concentration (dry, zero percent O₂ basis) of NO_x emissions into the atmosphere.
 - (e) For the FCC unit, the Unicracking Heater, and the Hydrogen Unit heater, instruments for continuously monitoring and recording the concentration of CO (carbon monoxide, dry) emissions into the atmosphere.
 - (f) For sulfur recovery plants with oxidation control systems or reduction control systems followed by incineration, the FCC unit, the Unicracking Unit heater, and the Hydrogen Unit heater, instruments for continuously monitoring and recording the percent of oxygen in the stack gas.
2. For the purpose of reports, periods of excess emissions shall be determined and reported as follows: [40 CFR 60.105(e)]
- (a) Opacity: all 1-hour periods that contain two or more 6-minute periods during which the average opacity as measured by the continuous monitoring system under 60.105(a)(1) exceeds 30 percent. [40 CFR 60.105(e)(1)]
 - (b) Sulfur dioxide from fuel gas combustion:
 - i. All rolling 3-hour periods during which average concentration of SO₂ as measured by the SO₂ continuous monitoring system exceeds 20 ppm (dry basis, zero percent O₂ basis); [40 CFR 60.105(e)(3)(i)] or
 - ii. All rolling 3-hour periods during which the average concentration of H₂S as measured by the H₂S continuous monitoring system (if used) exceed 230 mg/dscm (0.10 gr/dscf). [40 CFR 60.105(e)(3)(ii)]
 - iii. All 24-hour periods during which average concentration of SO₂ as measured by the SO₂ continuous monitoring system exceeds 10 ppm (dry, zero percent O₂ basis); or
 - iv. All 24-hour periods during which the average concentration of H₂S as measured by the H₂S continuous monitoring system (if used) exceed 115 mg/dscm (0.05 gr/dscf).
 - (c) Sulfur dioxide from Claus sulfur recovery plants
 - i. All 12-hour periods during which the average concentration of SO₂ as measured by the SO₂ continuous monitoring system exceeds 250 ppm (dry, zero percent O₂ basis). [40 CFR 63.105(e)(4)(i)]
 - (d) Sulfur dioxide from FCCU unit

- i. All 24-hour periods during which the average concentration of SO₂ as measured by the SO₂ continuous monitoring system exceeds 87 ppm (dry, zero percent O₂ basis).
- ii. All 24-hour periods during which the 365-day rolling average concentration of SO₂ as measured by the SO₂ continuous monitoring system exceeds 45 ppm (dry, zero percent O₂ basis).

(e) Nitrogen oxides from FCCU unit

- i. All 24-hour periods during which the 365-day rolling average concentration of NO_x as measured by the NO_x continuous monitoring system exceeds 68 ppm (dry, zero percent O₂ basis).

(f) Carbon monoxide from FCCU unit

- i. All 1-hour periods during which the average concentration of CO as measured by the CO continuous monitoring system exceeds 500 ppm. (dry zero percent O₂ basis)
- ii. All 24-hour periods during which the 365-day rolling average concentration of CO as measured by the CO continuous monitoring system exceeds 150 ppm (dry, zero per-cent O₂ basis).

(g) Carbon monoxide from Unicracking and Hydrogen Units' heaters

- i. All 24-hour periods during which the 30-day rolling average concentration of CO as measured by the CO continuous monitoring system exceeds 400 ppm (dry, 3 % O₂ basis).

40 CFR Part 60 Subpart GGG Requirements for Equipment Components in VOC service:

1. All records and information required by 40 CFR 63.181 shall be maintained in a manner that can be readily accessed at the plant site. This could include physically locating the records at the plant site or accessing the records from a central location by computer at the plant site. [40 CFR 63.181(a)]
2. The following information shall be recorded: [40 CFR 63.181(b)]
 - (a) A list of identification numbers for equipment except connectors exempt from monitoring and record keeping identified in §63.174 of this sub-part and instrumentation systems) complying with 40 CFR 60 Subpart H. [40 CFR 63.181(b)(1)(i)]

- (b) A schedule by process unit for monitoring connectors subject to the provisions of 40 CFR 63.174(a) and valves subject to the provisions of 40 CFR 63.168(d). [40 CFR 63.181(b)(1)(ii)]
 - (c) A list of identification numbers for equipment that the owner or operator elects to equip with a closed-vent system and control device, under the provision of 40 CFR 63.165(c) and 40 CFR 63.164(h). [40 CFR 63.181(b)(2)(i)]
 - (d) A list of identification numbers for compressors that the owner or operator elects to designate as operating with an instrument reading of less than 500 parts per million above background, under the provision of 40 CFR 63.164(i). [40 CFR 63.181(b)(2)(ii)]
 - (e) A list of identification numbers for pressure relief devices subject to the provisions at 40 CFR 63.165(a) of this subpart. [40 CFR 63.181(b)(3)(i)]
 - (f) The design criteria, for each dual mechanical seal system, required in 40 CFR 63.164(e)(2) and an explanation of the design criteria. [40 CFR 63.181(b)(6)(i)]
 - (g) Any changes to the design criteria, for each dual mechanical seal system, required in 40 CFR 63.164(e)(2) and the reasons for the changes to the criteria. [40 CFR 63.181(b)(6)(ii)]
 - (h) A list of valves removed from and added to the process unit, as described at 40 CFR 63.168(e)(i), if the net credits for removed valves is expected to be used. [40 CFR 63.181(b)(8)(i)]
 - (i) A list of connectors removed from and added to the process unit, as described at 40 CFR 63.174(i)(1), and documentation of the integrity of the weld for any removed connectors, as required at 40 CFR 63.174(j). This is not required unless the net credits for removed connectors are expected to be used. [40 CFR 63.181(b)(8)(ii)]
3. For visual inspections of equipment (e.g., as required at 40 CFR 63.163(b)(3) and 40 CFR 63.163(e)(4)(i), the owner or operator shall document that the inspection was conducted and the date of the inspection. The owner or operator shall maintain records as specified at 40 CFR 63.181(d) for leaking equipment identified in this inspection, except as provided at 40 CFR 63.181(e). These records shall be retained for 2 years. [40 CFR 63.181(c)]
4. When each leak is detected as specified at 40 CFR 63.163, 63.164, 63.168, 63.169, and 63.172 through 63.174, the following information shall be recorded and kept for 2 years: [40 CFR 63.181 (d)]

- (a) The instrument and the equipment identification number and the operator name, initials, or identification number. [40 CFR 63.181(d)(1)]
 - (b) The date the leak was detected and the date of first attempt to repair the leak. [40 CFR 63.181(d)(2)]
 - (c) The date of successful repair of the leak. [40 CFR 63.181(d)(3)]
 - (d) Maximum instrument reading measured by Method 21 of 40 CFR Part 60, Appendix A after it is successfully repaired or determined to be nonreparable. [40 CFR 63.181(d)(4)]
 - (e) “Repair delayed” and the reason for the delay if a leak is not repaired with 15 calendar days after discovery of the leak. [40 CFR 63.181(d)(5)]
 - (f) Dates of process unit shutdowns that occur while the equipment is unrepaired. [40 CFR 63.181(d)(6)]
 - (g) Identification, either by list, location (area or grouping), or tagging of connectors that have been opened or otherwise had the seal broken since the last monitoring period required at 40 CFR 63.174(b), as described at 40 CFR 63.174(c)(1). [40 CFR 63.181(d)(7)(i)]
 - (h) The date and results of monitoring as required at 40 CFR 63.174(c). If identification of connectors that have been opened or otherwise had the seal broken is made by location under 40 CFR 63.181(d)(7)(i), then all connectors within the designated location shall be monitored. [40 CFR 63.181(d)(7)(ii)]
 - (i) Copies of the periodic reports as at 40 CFR 63.182(d) of this subpart, if records are not maintained on a computerized database capable of generating summary reports from the records. [40 CFR 63.181(d)(9)]
5. The dates and results of each compliance test required for compressors subject to the provisions in 40 CFR 63.164(i) and the dates and results of the monitoring following a pressure release for each pressure relief device. The results shall include: [40 CFR 63.181(f)]
- (a) The background level measured during each compliance test. [40 CFR 63.181(f)(1)]
 - (b) The maximum instrument reading measured at each piece of equipment during each compliance test. [40 CFR 63.181(f)(2)]

6. The owner or operator shall maintain records of the following information for closed-vent systems and control devices. The records specified in “a.” shall be retained for the life of the equipment. The records specified in “b.” and “c.” shall be retained for 2 years. [40 CFR 63.181(g)]
- (a) The following design specifications and performance demonstrations: [40 CFR 63.181(g)(1)]
 - i. Detailed schematics, design specifications of the control device, and piping and instrumentation diagrams. [40 CFR 63.181(g)(1)(i)]
 - ii. The dates and descriptions of any changes in the design specifications. [40 CFR 63.181(g)(1)(ii)]
 - iii. The flare design (i.e., steam-assisted, air-assisted, or non-assisted) and the results of the compliance demonstration as required by 40 CFR 63.11(b). [40 CFR 63.181(g)(1)(iii)]
 - iv. A description of the parameter or parameters monitored, as required at 40 CFR 63.172(e) of this subpart, to ensure that control devices are operated and maintained in conformance with their design and an explanation of why that parameter (or parameters) was selected for the monitoring.
 - (b) The following records of operation of closed-vent systems and control devices: [40 CFR 63.181(g)(2)]
 - i. Dates and durations when the closed-vent systems and control devices required at 40 CFR 63.163 through 63.166 and 40 CFR 63.170 are not operated as designed as indicated by the monitored parameters, including periods when a flare pilot light system does not have a flame. [40 CFR 63.181(g)(2)(i)]
 - ii. Dates and durations during which the monitoring system or monitoring device is inoperative. [40 CFR 63.181(g)(2)(ii)]
 - iii. Dates and durations of start-ups and shutdowns of control devices required at 40 CFR 63.163 through 63.166 and 40 CFR 63.170. [40 CFR 63.181(g)(2)(iii)]
 - (c) The following records of inspections of closed-vent systems subject to the provisions of 40 CFR 63.172: [40 CFR 63.181(g)(3)]

- i. For each inspection conducted in accordance with the provisions of 40 CFR 63.172(f)(1) or (f)(2) during which no leaks were detected, a record that the inspection was performed, the date of the inspections, and a statement that no leaks were detected. [40 CFR 63.181(g)(3)(i)]
- ii. For each inspection conducted in accordance with the provisions of 40 CFR 63.172(f)(1) or (f)(2) during which leaks were detected, the information specified at 40 CFR 63.181(d) shall be recorded. [40 CFR 63.181(g)(3)(ii)]

40 CFR Part 60 Subpart QQQ Recordkeeping Requirements for Clean Fuels Project Wastewater System

1. All records shall be retained for a period of 2 years after being recorded unless otherwise noted. [40 CFR 60.697(a)]
2. For individual drain systems subject to 40 CFR 60.692-2, the locations, date, and corrective actions shall be recorded for each drain when the water seal is dry or otherwise breached, when a drain cap or plug is missing or improperly installed, or other problem is identified that could result in VOC emissions, as determined during the initial and periodic visual or physical inspection. [40 CFR 60.697(b)(1)]
3. For junction boxes subject to 40 CFR 60.692-2, the location, date, and corrective action shall be recorded for inspections required by 40 CFR 60.692-2(b) when a broken seal, gap, or other problem is identified that could result in VOC emissions. [40 CFR 60.697(b)(2)]
4. For sewer lines subject to 40 CFR 60.692-2, the location, date, and corrective action shall be recorded for inspections required by 40 CFR 60.692-2(c) when a problem is identified that could result in VOC emissions. [40 CFR 60.697(b)(3)]
5. If an emission point cannot be repaired or corrected without a process unit shutdown, the expected date of a successful repair shall be recorded. [40 CFR 60.697(e)(1)]
6. The reason for the delay as specified at 40 CFR 60.692-6 shall be recorded if an emission point or equipment problem is not repaired or corrected in the specified amount of time. [40 CFR 60.697(e)(2)]
7. The signature of the owner or operator (or designee) whose decision it was that repair could be effected without refinery or process shut-down shall be recorded. [40 CFR 60.697(e)(3)]
8. The date of successful repair or corrective action shall be recorded. [40 CFR 60.697(e)(4)]

9. A copy of the design specifications for all equipment used to comply with the provisions of this subpart shall be kept for the life of the source in a readily accessible location. [40 CFR 60.697(f)(1)]
10. The following information pertaining to the design specifications shall be kept: [40 CFR 60.697(f)(2)]
 - (a) Detailed schematics, and piping and instrumentation diagrams. [40 CFR 60.697(f)(2)(i)]
 - (b) The dates and descriptions of any changes in the design specifications. [40 CFR 60.697(f)(2)(ii)]
11. If an owner or operator elects to install a tightly sealed cap or plug over a drain that is out of active service, the owner or operator shall keep for the life of a facility in a readily accessible location, plans or specifications which indicate the location of such drains. [40 CFR 60.697(g)]

40 CFR Part 60 Subpart Kb Recordkeeping for Volatile Organic Liquid Storage Vessels

1. Unless otherwise noted, all records must be kept for at least 2 years. [40 CFR 60.111b(a)]
2. The owner or operator of each storage vessel as specified in 60.111b(a) shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records must be kept for the life of the source. [40 CFR 60.111b(b)]

40 CFR Part 63 Subpart A General Provisions Recordkeeping Requirements

5. Until a waiver of a recordkeeping or reporting requirement has been granted by the Administrator, the owner or operator of an affected source remains subject to the requirements of this section. [40 CFR 63.10(f)(1)]
6. Recordkeeping or reporting requirements may be waived upon written application to the Administrator if, in the Administrator's judgement, the affected source is achieving the relevant standards(s), or other conditions as described in 63.10(f)(2). [40 CFR 63.10(f)(2)]
7. Further details regarding a waiver of recordkeeping or reporting requirements are as in 63.10(f)(3) through (f)(6). [40 CFR 63.10(f)(3) through (f)(6)]

40 CFR Part 63 Subpart CC Recordkeeping for Equipment Leaks

1. Refineries must keep records of reports submitted, monitoring results, and other records for at least 5 years. [40 CFR 63.642(e) and 63.654(l)(4)]. In addition, records must be kept so that they are accessible within 24 hours of request in either hand copy or computer-readable form. If acceptable to the Administrator, reports may be submitted on electronic media. [40 CFR 63.642(e)]. The following records must be maintained on site:
 - (a) Records of the occurrence and duration of each startup, shutdown, or malfunction of operation and air pollution control equipment. [40 CFR 63.10(b)(2)(l-ii)]
 - (b) Records of actions that are consistent and inconsistent with the startup, shutdown, and malfunction plan. [40 CFR 63.10(b)(2)(iv-v)]
 - (c) Records of continuous monitoring system calibration checks (if continuous monitoring is required). [40 CFR 63.10(b)(x)]
 - (d) Complete test reports and reported results for any required performance tests. [40 CFR 64.654(l)(2)]
 - (e) Values of continuously monitored parameters. [40 CFR 63.654(l)(3)]
2. Must comply with the recordkeeping provisions of §63.181 and §63.182 of Subpart H except for §63.182(b), (c)(2), and (c)(4). (See Subpart GGG above for a description of Subpart H requirements).
3. The signature of the person whose decision it was that a repair could not be effected without a process shutdown shall be recorded and retained for 2 years. [40 CFR 63.654(d)(1)(i)]
4. The Notification of Compliance Status report required by §63.182(c) of subpart H and the initial semiannual report required by 40 CFR 60.487(b) of 40 CFR part 60, subpart VV shall be submitted within 150 days of the compliance date specified in §63.640(h). [40 CFR 63.654(d)(2)]
5. An owner or operator who determines that a compressor qualifies for the hydrogen service exemption in §63.648 shall also keep a record of the demonstration required by §63.648. [40 CFR 63.654(d)(3)]
6. An owner or operator must keep a list of identification numbers for valves that are designated as leakless, per §63.648(c)(10). [40 CFR 63.654(d)(4)]
7. An owner or operator must identify, either by list or location (area or refining process unit), equipment in organic HAP service less than 300 hours per year within refining process units subject to this subpart. [40 CFR 63.654(d)(5)]

8. An owner or operator must keep a list of reciprocating pumps and compressors determined to be exempt from seal requirements as per §63.648(f) and (i). [40 CFR 63.654(d)(6)]
9. Each owner or operator of a source subject to this subpart shall submit the following reports: [40 CFR 63.654(e)]
 - (a) A Notification of Compliance Status report as described in paragraph (f) of §63.654. [40 CFR 63.654(e)(1)]
 - (b) Periodic Reports as described in paragraph (g) of §63.654. [40 CFR 63.654(e)(2)]
 - (c) Other reports as described in paragraph (h) of §63.654. [40 CFR 63.654(e)(3)]
10. Other recordkeeping requirements as described in §63.654(i) and Table 3 to Appendix to Subpart CC. [40 CFR 63.654(i)]

40 CFR Part 63 Subpart UUU Recordkeeping for FCCU/CO Boiler and new ATS Unit

1. You must keep the records specified in a) through c) below: [40 CFR 63.1576(a)]
 - (a) A copy of each notification and report that you submitted to comply with this subpart.
 - (b) The records in §63.6(e)(iii) through (v) related to startup, shutdown, and malfunction.
 - (c) Records of performance tests, performance evaluations, and opacity and visible emission observations as required by §63.10(b)(2)(viii).
2. For each continuous emission monitoring system and continuous opacity monitoring system, you must keep the records required in §63.1576(b)(1) through (b)(5).
3. You must keep the records in §63.6(h) for visible emission observations.
4. You must keep records required by Tables 6, 7, 13, and 14 of 40 CFR 63 Subpart UUU (for catalytic cracking units); Tables 34 and 35 of Subpart UUU (for sulfur recovery units), and Table 39 of Subpart UUU (for bypass lines) to show continuous compliance with each emission limitation that applies to you.
5. You must keep a current copy of your operation, maintenance, and monitoring plan onsite and available for inspection. You also must keep records to show continuous compliance with the procedures in your operation, maintenance, and monitoring plan.

6. You must keep the records of any changes that affect emission control system performance including, but not limited to, the location at which the vent stream is introduced into the flame zone for a boiler or process heater.
7. Your records must be in a form suitable and readily available for expeditious review according to §63.10(b)(1)
8. As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
9. You must keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.

40 CFR Part 63 Subpart DDDDD Recordkeeping for Unicracking Unit and Hydrogen Unit Heaters

1. You must keep a copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in §63.10(b)(2)(xiv).
2. The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.
3. Records of performance test, fuel analyses, or other compliance demonstrations, performance evaluations, and opacity observations as required in §63.10(b)(2)(viii).
4. For Each CEMS, CPMS, and COMS, you must keep the following records according to the following:
 - (a) Records described in §63.10(b)(2)(vi) through (xi).
 - (b) Monitoring data for continuous opacity monitoring system during a performance evaluation as required in §63.(h)(7)(i) and (ii).
 - (c) Previous (i.e., superseded) versions of the performance evaluation plan as required in §63.8(d)(3).
 - (d) Request for alternatives to relative accuracy test for CEMS as required in §63.8(f)(6)(i).
 - (e) Records of the date and that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.

5. You must keep the records required in Table 8 to 40 CFR Part 63 Subpart DDDDD including records of all monitoring data and calculated averages for applicable operating limits such as opacity, pressure drop, carbon monoxide, and pH to show continuous compliance with each emission limit, operating limit, and work practice standard that applies to you.
6. For each boiler or process heater subject to an emission limit, you must also keep records of monthly fuel use by each boiler or process heater, including the type(s) of fuel and amount(s) used.
7. Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1).
8. As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
9. You must keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, or corrective action, report, or record, according to §63.10(b)(1). You can keep the records off site for the remaining 3 years.

Reporting

The permittee shall submit initial and subsequent semiannual reports to the Kansas Department of Health and Environment (KDHE) in accordance with the rule provisions cited below.

40 CFR Part 60 Subpart A General Provisions

1. Each operator required to install continuous monitoring device(s) must submit excess emissions and monitoring system performance report(s) and/or summary report form(s) to the Administrator semi-annually, except when more frequent reporting is specifically required by a subpart or more frequent reporting is deemed necessary by the Administrator. [40 CFR 60.7(c)]
2. Within 60 days after achieving the maximum production rate at which the facility will operate, but not later than 180 days after initial startup of the facility, facility must conduct performance tests and submit written report of results to the Administrator. [40 CFR 60.8(a)]
3. Until an adjustment of a time period or postmark deadline has been approved by the Administrator under 40 CFR 60.19(f)(2-3), the owner or operator of an affected facility remains strictly subject to the requirements of 40 CFR 60.19. [40 CFR 60.19(f)(1)(i)]

4. An owner or operator shall request the adjustment provided for in paragraphs (f)(2) and (f)(3) of this section each time he or she wishes to change an applicable time period or postmark deadline specified in 40 CFR 60.19. [40 CFR 60.19(f)(1)(ii)]
5. Notwithstanding time periods or postmark deadlines specified in this part for the submittal of information to the Administrator by an owner or operator, or the review of such information by the Administrator, such time periods or deadlines may be changed by mutual agreement between the owner or operator and the Administrator. An owner or operator who wishes to request a change in a time period or postmark deadline for a particular requirement shall request the adjustment in writing as soon as practicable before the subject activity is required to take place. The owner or operator shall include in the request whatever information he or she considers useful to convince the Administrator that an adjustment is warranted. [40 CFR 60.19(f)(2)]
6. If, in the Administrator's judgment, an owner or operator's request for an adjustment to a particular time period or postmark deadline is warranted, the Administrator will approve the adjustment. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an adjustment within 15 calendar days of receiving sufficient information to evaluate the request. [40 CFR 60.19(f)(3)]
7. If the Administrator is unable to meet a specified deadline, he or she will notify the owner or operator of any significant delay and inform the owner or operator of the amended schedule. [40 CFR 60.19(f)(4)]

40 CFR Part 60 Subpart J Reporting Requirements for New and Modified Heaters, Flare, and ATS Units

1. For any periods for which sulfur dioxide or oxides emissions data are not available, the owner or operator of the affected facility shall submit a signed statement indicating if any changes were made in the operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the limit.
2. Reports required under this subpart must be submitted to the Administrator semiannually for each six-month period, and reports must be postmarked by 30th day following the end of each six-month period.
3. The owner or operator of affected facility shall submit a signed statement certifying the accuracy and completeness of the information contained in the report.

BACT and 40 CFR Part 60 Subpart GGG Reporting Requirements for Equipment Components in VOC service:

1. The permittee shall submit a Notification of Compliance Status within 90 days after the compliance date. The notification shall provide the following information: [40 CFR 63.182(c)(1)]

- (a) Process unit identification. [40 CFR 63.182(c)(1)(i)]
 - (b) Number of each equipment type (e.g., valves, pumps) excluding equipment in vacuum service. [40 CFR 63.182(c)(1)(ii)]
 - (c) Method of compliance with the standard (for example, “monthly leak detection and repair” or “equipped with dual mechanical seals”). [40 CFR 63.182(c)(1)(iii)]
 - (d) Planned schedule for each phase of the requirements in 40 CFR 63.163 and 40 CFR 63.168. [40 CFR 63.182(c)(1)(iv)]
2. The permittee shall submit Periodic Reports semiannually starting 6 months after the Notification of Compliance Status. The first periodic report shall cover the first 6 months after the compliance date specified at 40 CFR 63.100(k)(3). Each subsequent periodic report shall cover the 6 month period following the preceding period. The following information shall be contained in the Periodic Reports: [40 CFR 63.182(d)]
- (a) The number of valves for which leaks were detected as described at 40 CFR 63.168(b), the percent leakers, and the total number of valves monitored; [40 CFR 63.182(d)(2)(i)]
 - (b) The number of valves for which leaks were not repaired as required at 40 CFR 63.168(f), identifying the number of those that are determined nonrepairable; [40 CFR 63.182(d)(2)(ii)]
 - (c) The number of pumps for which leaks were detected as described at 40 CFR 63.163(b), the percent leakers, and the total number of pumps monitored; [40 CFR 63.182(d)(2)(iii)]
 - (d) The number of pumps for which leaks were not repaired as required at 40 CFR 63.163(c); [40 CFR 63.182(d)(2)(iv)]
 - (e) The number of compressors for which leaks were detected as described in 40 CFR 63.164(f); [40 CFR 63.182(d)(2)(v)]
 - (f) The number of compressors for which leaks were not repaired as required in 40 CFR 63.164(g); [40 CFR 63.182(d)(2)(v)]
 - (g) The number of connectors for which leaks were detected as described at 40 CFR 63.174(a), the percent of connectors leaking, and the total number of connectors monitored; [40 CFR 63.182(d)(2)(ix)]
 - (h) The number of connectors for which leaks were not repaired as required at 40 CFR 63.174(d), identifying the number of those that are determined nonrepairable; [40 CFR 63.182(d)(2)(xi)]

- (i) The facts that explain any delay of repairs, and where appropriate, why a process unit shutdown was technically infeasible. [40 CFR 63.182(d)(2)(xiii)]
- (j) The results of all monitoring to show compliance with 40 CFR 63.165(a) and 40 CFR 63.172(f) conducted within the semiannual reporting period. [40 CFR 63.182(d)(2)(xiv)]
- (k) If applicable, the initiation of a monthly monitoring program under 40 CFR 63.168(d)(1)(i). [40 CFR 63.182(d)(2)(xv)]

40 CFR Part 60 Subpart QQQ Reporting Requirements for Clean Fuels Project Wastewater System

1. Each owner or operator shall submit to the KDHE within 60 days after initial startup a certification that the equipment necessary to comply with these standards has been installed and that the required initial inspections or tests of process drains, sewer lines, and junction boxes have been carried out in accordance with 40 CFR Part 60 Subpart QQQ. Thereafter, the owner or operator shall submit to the KDHE semiannually a certification that all of the required inspections have been carried out in accordance with 40 CFR Part 60 Subpart QQQ. [40 CFR 60.698(b)(1)]
2. A report that summarizes all inspections when a water seal was dry or otherwise breached, when a drain cap or plug was missing or improperly installed, or when cracks, gaps, or other problems were identified that could result in VOC emissions, including information about the repairs or corrective action taken, shall be submitted initially and semiannually thereafter to the KDHE. (40 CFR 60.698(c))

40 CFR Part 60 Subpart Kb Storage Vessels Reporting Requirements

1. The facility must notify the Administrator within 30 days in the event the maximum true vapor pressure of the liquid exceeds 5.2 kPa (0.75 psia). The regulation provides a methodology to be used to calculate the maximum true vapor pressure using storage temperature. [40 CFR 60.116b(d) & (e)]

40 CFR Part 63 Subpart UUU Reporting Requirements [40 CFR 63.1575]

1. You must submit each report in Table 43 of 40 CFR 63 Subpart UUU (attached) that applies to you.
2. Unless the Administrator has approved a different schedule, you must submit each report by the date in Table 43 of 40 CFR 63 Subpart UUU and according to the requirements in §63.1575(b)(1) through (b)(5).
3. The compliance report must contain the information required in §63.1575(c)(1) through (c)(4).

4. For each deviation from an emission limitation occurring at an affected source where you are using a continuous opacity monitoring system or a continuous emission monitoring system to comply with the emission limitation, you must include the information in §63.1575(e)(1) through (e)(13).
5. You must also include the information required in §63.1575(f)(1) through (f)(2) in each compliance report, if applicable.
6. You may submit reports required by other regulations in place of or as part of the compliance report if they contain the required information.
7. The reporting requirements in §63.1575(h)(1) through (h)(2) apply to startups, shutdowns, and malfunctions.

Performance Testing

The proposed project is subject to performance testing as required by K.A.R. 28-19-720 [40 CFR 60.8(a)] for units subject to 40 CFR Part 60 Subpart J, Subpart GGG, and Subpart QQQ. Certain of the emissions units are also subject to performance testing to demonstrate compliance with BACT limits per KAR 28-19-350. Performance testing shall be conducted within 60 days after achieving the maximum production rate at which the subject equipment will be operated but no later than 180 days after initial startup.

40 CFR Part 60 Subpart J Performance Testing Requirements for New and Modified Heaters, Flare, and ATS Plants

1. In conducting the performance tests required in 40 CFR 60.8, the owner or operator must use as reference methods and procedures the test methods in Appendix A of this part or other methods and procedures as specified in 40 CFR 60.106. [40 CFR 60.106]
2. The initial performance test shall consist of the initial 7-day average calculated for compliance with 40 CFR 60.104(c). The owner or operator of the affected facility must provide the Administrator at least 30 days prior notice of any performance test. Performance tests conducted for the purpose of determining compliance under 40 CFR 60.104(b) shall be conducted according to the applicable procedures specified under 40 CFR 60.106. [40 CFR 60.108]

NSPS Subpart QQQ Requirement for Clean Fuels Project Wastewater System:

1. Before using any equipment installed in compliance with the requirements of 40 CFR 60.692-2, 60.692-3, 60.692-4, 60.692-5, or 60.693, the owner or operator shall inspect such equipment for indications of potential emissions, defects, or other problems that may cause the requirements of this subpart not to be met. Points of inspection shall include, but are not limited to, seals, flanges, joints, gaskets, hatches, caps, and plugs. [40 CFR 60.696(a)]

The proposed project is subject to performance testing as required by K.A.R. 28-19-735 and K.A.R. 28-19-750 [40 CFR 63.7] for units subject to 40 CFR Part 63 Subpart CC,UUU, and DDDDD. The following requirements apply:

2. If required to do testing, owner or operator will provide performance testing facilities, and conduct tests under conditions specified by the Administrator. [40 CFR 63.7(d)]
3. Individual performance tests may be waived upon written application to the Administrator if, in the Administrator's judgement, the source is meeting the relevant standard(s) on a continuous basis. [40 CFR 63.7(e)(2)(iv)]

40 CFR Part 63 Subpart A Performance Testing Requirements

1. You must conduct performance tests and report the results by no later than 150 days after the compliance date specified for your source in §63.1563 and according to the provisions in §63.7(a)(2). [40 CFR 63.1571(a)]
 - (a) You must conduct performance tests and report the results by no later than 150 days after the compliance date specified for your source in §63.1563 and according to the provisions in §63.7(a)(2). [40 CFR 63.1571(a)]
 - (b) The general requirements for performance tests and performance evaluations are detailed in §63.1571(b)(1) through (b)(5). [40 CFR 63.1571(b)(1) to (b)(5)]
 - (c) If you do a performance test to demonstrate compliance, you must base the process or control device operating limits for continuous parameter monitoring systems on the results measured during the performance test. You may adjust the values measured during the performance test according to the criteria in §63.1571(d)(1) through (d)(3). [40 CFR 63.1571(d)(1) to (d)(3)]
 - (d) You may change your established operating limit by meeting the requirements in §63.1571(e)(1) through (e)(3). [40 CFR 63.1571(e)(1) to (e)(3)]

40 CFR Part 63 Subpart DDDDD Performance Testing Requirements for Unicracking and Hydrogen Units' Heaters

1. You must demonstrate initial compliance with the CO emissions limit by conducting initial performance test and establishing operating limits, as applicable, according to §63.7520 and Tables 5, 7 and 8 to 40 CFR Part 63 Subpart DDDDD.

Notification

1. K.A.R. 28-19-720 (40 CFR 60.7) requires that written notifications of the following be submitted to KDHE for all 40 CFR Part 60 affected sources including units subject to Subpart J, Subpart Kb, Subpart GGG and Subpart QQQ:

[Unicracking Unit, Hydrogen Unit, New and Modified ATS Units, No. 3 Flare, Sour water stripper, Modified light oil tanks (J-08 and J-10), Amine Unit.]

- (a) the date of construction of the project postmarked no less than 30 days after such date; [40 CFR 60.7(a)(1)]
- (b) the actual date of initial startup of the project postmarked within 15 days after such date; and [40 CFR 60.7(a)(3)]
- (c) the owner or operator of an affected facility shall provide at least 30 days prior notice of any performance test. [40 CFR 60.8(d)]
- (d) the owner or operator of an affected facility shall provide at least 30 days prior notice of any performance test. [40 CFR 60.8(d)]
- (e) A notification of the anticipated date for conducting the opacity observations. The notification must be postmarked not less than 30 days prior to such date. [40 CFR 60.7(a)(6)]

Please use the enclosed NSPS notification form to submit the above required notifications.

2. K.A.R. 28-19-720 [40 CFR 60.7(a)(4)] also requires that written notification be submitted for any physical or operational change which may increase the emission rate of any air pollutant to which a standard applies. This notice shall be postmarked 60 days, or as soon as practicable, before the change is commenced and shall include information described in the following:

- (a) The precise nature of the change;
- (b) the productive capacity before and after the change; and
- (c) the expected completion date of the change

3. Notify the North Central District Office Air Program Field Staff in Salina at (785) 827-9639 when the project is completed so that an evaluation can be conducted.

40 CFR 63 Subpart UUU Notifications for Catalytic Cracking Units and Sulfur Recovery Units

1. Except as allowed in a) through c) below, the facility must submit all of the notifications in §63.6(h), 63.7(b) and (c), 63.8(e), 63.8 (g)(4), 63.8(f)(6), and 63.9(b) through (h) that apply by the dates specified. [§63.1574(a)]
 - (a) The owner or operator must submit the notification of your intention to construct according to §63.9(b)(5). [§63.1574(a)(1)]
 - (b) You must submit the notification of intent to conduct a performance test required in §63.7(b) at least 30 calendar days before the performance test is scheduled to begin. [§63.1574(a)(2)]
 - (c) If you are required to conduct a performance test, performance evaluation, design evaluation, opacity observation, visible emission observation, or other initial compliance demonstration, you must submit a notification of compliance status according to §63.9(h)(2)(ii). If the required information has been submitted previously, you do not have to provide a separate notification of compliance status. [§63.1574(a)(3)]
2. If you start your new or reconstructed affected source on or after the effective date of this regulation, you must submit the initial notification no later than 120 days after you become subject to this subpart. [§63.1574(c)]
3. The information in Table 42 (attached) of 40 CFR 63 Subpart UUU must be included in your notification of compliance status. [§63.1574(d)]
4. You must prepare and implement an operation, maintenance, and monitoring plan for each affected source, control system, and continuous monitoring system. The purpose of this plan is to detail the operation, maintenance, and monitoring procedures you will follow. [See §63.1574(f) for more information regarding information to be included in the plan]. [40 CFR 63.1574(f)]

40 CFR Part 63 Subpart DDDDD Notifications for Unicracking and Hydrogen Units' Heaters

1. If you are required to conduct an initial compliance demonstration as specified in §63.7530(a), you must submit a Notification of Compliance Status according to §63.9(h)(2)(ii). For each initial compliance demonstration, you must submit the Notification of Compliance Status, including all performance test results and fuel analyses, before the close of business on the 60th day following the completion of the performance test and/or other initial compliance demonstrations according to §63.10(d)(2). The Notification of Compliance Status report must contain all the information specified below, as applicable.

- (a) A description of the affected source(s) including identification of which subcategory the source is in, the capacity of the source, a description of the add-on controls used on the source, description of the fuel(s) burned, and justification for the fuel(s) burned during the performance test.
 - (b) Summary of the results of all performance tests, fuel analyses, and calculations conducted to demonstrate initial compliance including all established operating limits.
 - (c) Identification of whether you are complying with the particulate matter emission limit or the alternative total selected metals emission limit.
 - (d) Identification of whether you plan to demonstrate compliance with each applicable emission limit through performance testing or fuel analysis.
 - (e) Identification of whether you plan to demonstrate compliance by emissions averaging.
 - (f) A signed certification that you have met all applicable emission limits and work practice standards.
 - (g) A summary of the carbon monoxide emissions monitoring data and the maximum carbon monoxide emission levels recorded during the performance test to show that you have met any applicable work practice standard in Table 1 to this subpart.
 - (h) If you had a deviation from any emission limit or work practice standard, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.
2. You must submit each report in Table 9 to 40 CFR Part 63 Subpart DDDDD that applies to you.

General Provisions

- 1. This document shall become void if the construction or modification has not commenced within 18 months of the effective date, or if the construction or modification is interrupted for a period of 18 months or longer.
- 2. A construction permit or approval must be issued by KDHE prior to commencing any construction or modification of equipment or processes which results in a potential-to-emit increase equal to or greater than the thresholds specified at K.A.R. 28-19-300.

3. Upon presentation of credentials and other documents as may be required by law, representatives of the KDHE (including authorized contractors of the KDHE) shall be allowed by the permittee to:
 - (a) enter upon the premises where a regulated facility or activity is located or conducted or where records must be kept under conditions of this document;
 - (b) have access to and copies of, at reasonable times, any records that must be kept under conditions this document;
 - (c) inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this document; and
 - (d) sample or monitor, at reasonable times, for the purposes of assuring compliance with this document or as otherwise authorized by the Secretary of the KDHE, any substances or parameters at any location.
4. The emission unit or stationary source that is the subject of this document shall be operated in compliance with all applicable requirements of the Kansas Air Quality Act and the federal Clean Air Act.
5. This document is subject to periodic review and amending as deemed necessary to fulfill the intent and purpose of the Kansas Air Quality Statutes and Regulations.
6. This document does not relieve the permittee of the obligation to obtain other approvals, permits, licenses, or documents of sanction which may be required by other federal, state, or local agencies.
7. Issuance of this document does not relieve the owner or operator of any requirement to obtain an air quality operating permit under any applicable provision of K.A.R. 28-19-500.

Approval Engineer

Dana S. Morris, P.E., Supervisor
Environmental Engineer
Air Construction/Operating Permits & Compliance Section

Date Signed

DSM:saw
c: NCDO
Ms. Joann Heiman, USEPA Region VII
C-6085