



This document is Appendix B, Matrix of Navy Vessels and Discharges for the "Phase I Final Rule and Technical Development Document of Uniform National Discharge Standards (UNDS)," published in April 1999. The reference number is EPA-842-R-99-001.

Phase I Final Rule and Technical Development Document of Uniform National Discharge Standards (UNDS)

Appendix B Matrix of Navy Vessels and Discharges

April 1999

Appendix B
Matrix of Navy Vessels and Discharges

Appendix B Navy Vessel Discharges to be Regulated

Ship Class	Aqueous Film Forming Foam	Catapult Water-Brake Tank & Post-Launch	Chain Locker Effluent	Clean Ballast	Compensated Fuel Ballast	CPP Hydraulic Fluid	Deck Runoff	Dirty Ballast	Distillation & Reverse Osmosis Brine	Elevator Pit Effluent	Firemain Systems	Gas Turbine Water Wash	Graywater	Hull Coating Leachate	MOGAS Compensated Overboard Discharges	Non-Oily Machinery Wastewater	Photo Lab Drains	Seawater Cooling Overboard Discharge	Seawater Piping Biofouling Prevention	Small Boat Engine Wet Exhaust	Sonar Dome Discharge	Submarine Bilgewater	Surface Vessel Bilgewater/OWS Discharge	Underwater Ship Husbandry	Welldeck Discharges	
AC							X						X							X			X			
AFDB 4				X			X						X	X										X		
AFDB 8				X			X						X	X										X		
AFDL 1				X			X						X	X										X	X	
AFDM 3				X			X						X	X										X	X	
AFDM 14				X			X						X	X										X	X	
AGER 2			X	X			X						X	X				X						X	X	
AGF 3	X		X	X			X		X	X		X	X		X	X	X	X						X	X	
AGF 11	X		X	X			X		X	X		X	X		X	X	X	X						X	X	
AGOR 21	X		X	X			X		X		X	X	X		X		X	X						X	X	
AGOR 23	X		X	X			X		X		X	X	X		X		X	X						X	X	
AGSS 555			X	X	X		X		X				X	X				X	X			X			X	
AO 177	X		X	X			X		X	X		X	X		X		X	X						X	X	
AOE 1	X		X	X		X	X		X	X	X	X	X		X		X	X						X	X	
AOE 6	X		X	X		X	X		X	X	X	X	X		X		X	X						X	X	
AP			X				X						X							X				X		
APL							X						X	X										X		
AR			X				X						X	X										X	X	
ARD 2			X				X						X	X				X						X	X	
ARDM				X			X						X	X				X						X	X	
ARS 50	X		X	X			X		X		X	X	X		X		X	X						X	X	
AS 33	X		X	X			X		X	X		X	X		X	X	X	X						X	X	
AS 39	X		X	X			X		X	X		X	X		X	X	X	X						X	X	
ASDV				X			X						X	X				X		X				X		
AT				X			X						X					X		X				X		

Appendix B
Navy Vessel Discharges to be Regulated

Ship Class	Aqueous Film Forming Foam	Catapault Water-Brake Tank & Post-Launch	Chain Locker Effluent	Clean Ballast	Compensated Fuel Ballast	CPP Hydraulic Fluid	Deck Runoff	Dirty Ballast	Distillation & Reverse Osmosis Brine	Elevator Pit Effluent	Firemain Systems	Gas Turbine Water Wash	Graywater	Hull Coating Leachate	MOGAS Compensated Overboard Discharges	Non-Oily Machinery Wastewater	Photo Lab Drains	Seawater Cooling Overboard Discharge	Seawater Piping Biofouling Prevention	Small Boat Engine Wet Exhaust	Sonar Dome Discharge	Submarine Bilgewater	Surface Vessel Bilgewater/OWS Discharge	Underwater Ship Husbandry	Welldeck Discharges
ATC				X			X						X					X				X	X		
BH							X							X						X			X		
BT							X							X									X		
BW							X							X						X			X		
CA							X							X						X			X		
CC							X							X						X			X		
CG 47	X		X		X	X	X		X	X	X	X	X	X		X	X	X			X		X	X	
CGN 36	X		X	X			X		X	X	X		X	X		X	X	X			X		X	X	
CGN 38	X		X	X			X		X	X	X		X	X		X	X	X			X		X	X	
CM							X							X						X			X	X	
CT							X						X	X						X			X		
CU							X							X						X			X	X	
CV 59	X	X	X	X			X		X	X	X		X	X		X	X	X					X	X	
CV 63	X	X	X	X			X		X	X	X		X	X		X	X	X			X		X	X	
CVN 65	X	X	X	X			X		X	X	X		X	X		X	X	X					X	X	
CVN 68	X	X	X	X			X		X	X	X		X	X		X	X	X	X				X	X	
DB							X							X						X			X		
DD 963	X		X		X	X	X		X	X	X	X	X	X		X	X	X			X		X	X	
DDG 51	X		X		X	X	X		X	X	X	X	X	X		X	X	X			X		X	X	
DDG 993	X		X		X	X	X		X	X	X	X	X	X		X	X	X			X		X	X	
DSRV-1				X			X						X	X				X	X				X		
DSV 1				X			X						X	X				X	X				X		
DT							X							X						X			X		
DW							X							X						X			X		
FFG 7	X		X	X		X	X		X	X	X	X	X	X		X	X	X			X		X	X	

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Ship Class	Aqueous Film Forming Foam	Catapault Water-Brake Tank & Post-Launch	Chain Locker Effluent	Clean Ballast	Compensated Fuel Ballast	CPP Hydraulic Fluid	Deck Runoff	Dirty Ballast	Distillation & Reverse Osmosis Brine	Elevator Pit Effluent	Firemain Systems	Gas Turbine Water Wash	Graywater	Hull Coating Leachate	MOGAS Compensated Overboard Discharges	Non-Oily Machinery Wastewater	Photo Lab Drains	Seawater Cooling Overboard Discharge	Seawater Piping Biofouling Prevention	Small Boat Engine Wet Exhaust	Sonar Dome Discharge	Submarine Bilgewater	Surface Vessel Bilgewater/OWS Discharge	Underwater Ship Husbandry	Welldeck Discharges	
HH							X						X							X			X			
HL							X							X							X			X		
HS							X							X							X			X		
IX							X						X	X							X			X		
IX 35							X						X	X							X			X		
IX 501							X						X	X							X			X		
IX 308				X			X						X	X							X			X		
LA							X							X							X			X		
LCAC 1							X				X	X	X	X										X		
LCC 19	X			X			X		X				X	X		X	X	X						X	X	
LCM(3)				X			X						X	X										X	X	
LCM(6)				X			X						X	X										X	X	
LCM(8)				X			X						X	X										X	X	
LCPL				X			X						X	X										X		
LCU 1610				X			X						X	X										X	X	
LCVP				X			X							X							X			X		
LH							X							X							X			X		
LHA 1	X		X	X			X		X	X	X		X	X	X	X	X	X						X	X	X
LHD 1	X		X	X			X		X	X	X		X	X		X	X	X						X	X	X
LPD 4	X		X	X			X		X	X	X		X	X	X	X	X	X						X	X	X
LPD 7	X		X	X			X		X	X	X		X	X	X	X	X	X						X	X	X
LPD 14	X		X	X			X		X	X	X		X	X	X	X	X	X						X	X	X
LPH 2	X		X	X			X		X	X	X		X	X		X								X	X	
LSD 36	X		X	X		X	X		X	X	X		X	X		X								X	X	X
LSD 41	X		X	X		X	X		X	X	X	X	X	X		X								X	X	X

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Ship Class	Aqueous Film Forming Foam	Catapult Water-Brake Tank & Post-Launch	Chain Locker Effluent	Clean Ballast	Compensated Fuel Ballast	CPP Hydraulic Fluid	Deck Runoff	Dirty Ballast	Distillation & Reverse Osmosis Brine	Elevator Pit Effluent	Firemain Systems	Gas Turbine Water Wash	Graywater	Hull Coating Leachate	MOGAS Compensated Overboard Discharges	Non-Oily Machinery Wastewater	Photo Lab Drains	Seawater Cooling Overboard Discharge	Seawater Piping Biofouling Prevention	Small Boat Engine Wet Exhaust	Sonar Dome Discharge	Submarine Bilgewater	Surface Vessel Bilgewater/OWS Discharge	Underwater Ship Husbandry	Welldeck Discharges	
LSD 49	X		X	X		X	X		X	X	X	X	X		X		X						X	X	X	
LST 1179	X		X	X			X		X	X	X		X	X		X		X						X	X	
MC							X							X						X			X			
MCM 1	X		X	X		X	X		X		X	X	X		X		X						X	X		
MHC 51	X		X	X			X		X		X	X	X		X		X						X	X		
ML							X							X						X			X			
MM							X							X						X			X			
MW							X							X						X			X			
NM							X							X						X			X			
NS				X			X					X	X		X		X			X			X			
PB				X			X							X					X		X		X	X		
PBR				X			X							X					X		X		X	X		
PC 1	X		X	X			X		X		X	X		X				X					X	X		
PE							X							X						X			X			
PF							X							X						X			X			
PG							X							X						X			X			
PK							X							X						X			X			
PL				X			X							X				X		X			X			
PR							X							X						X			X			
PT							X							X						X			X			
RB				X			X							X				X		X			X			
RX				X			X							X				X		X			X			
SB							X							X									X			
SC							X							X						X			X			
SES 200				X			X					X	X					X					X			

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SLWT				X			X						X					X		X		X			
SS							X						X							X			X		
SSBN 726			X	X	X		X		X	X		X	X					X	X			X		X	
SSN 637			X	X	X		X		X	X		X	X					X	X			X		X	
SSN 640			X	X	X		X		X	X		X	X					X	X			X		X	
SSN 671			X	X	X		X		X	X		X	X					X	X			X		X	
SSN 688			X	X	X		X		X	X		X	X					X	X			X		X	
ST							X						X							X			X		
TC							X						X							X			X		
TD							X						X							X			X		
TR				X			X						X					X		X			X	X	
UB				X			X						X					X		X			X		
VP							X						X							X			X		
WB							X						X							X			X		
WH							X						X							X			X		
WT							X						X							X			X		
YC							X						X										X		
YCF							X						X										X		
YCV							X						X										X		
YD							X						X										X		
YDT							X						X										X		
YFB							X					N	X							X			X		
YFN							X						X										X		
YFNB							X						X										X		
YFND							X						X										X		

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YFNX			X				X						X					X					X	X	
YFP							X							X				X					X		
YFRN							X							X				X					X		
YFRT							X							X				X		X			X		
YFU 83							X							X				X		X			X	X	
YFU 91							X							X				X		X			X	X	
YGN 80							X					X	X										X	X	
YL							X							X						X			X		
YLC			X				X							X						X			X		
YM							X							X						X			X		
YMN							X							X									X		
YNG							X							X									X		
YO 65			X				X							X				X		X			X	X	
YOG 5			X				X							X				X		X			X	X	
YOGN			X				X							X				X					X		
YON							X							X				X					X		
YOS							X							X				X					X		
YP 654							X					X	X					X		X			X	X	
YP 676							X					X	X					X		X			X	X	
YPD							X							X									X		
YR							X							X									X		
YRB							X							X									X		
YRBM							X							X									X		
YRDH							X							X									X		
YRR							X							X									X		

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Navy Vessel Discharges to be Regulated

Ship Class	Aqueous Film Forming Foam	Catapult Water-Brake Tank & Post-Launch	Chain Locker Effluent	Clean Ballast	Compensated Fuel Ballast	CPP Hydraulic Fluid	Deck Runoff	Dirty Ballast	Distillation & Reverse Osmosis Brine	Elevator Pit Effluent	Firemain Systems	Gas Turbine Water Wash	Graywater	Hull Coating Leachate	MOGAS Compensated Overboard Discharges	Non-Oily Machinery Wastewater	Photo Lab Drains	Seawater Cooling Overboard Discharge	Seawater Piping Biofouling Prevention	Small Boat Engine Wet Exhaust	Sonar Dome Discharge	Submarine Bilgewater	Surface Vessel Bilgewater/OWS Discharge	Underwater Ship Husbandry	Welldeck Discharges
YRST							X							X									X		
YSD 11							X						X	X				X		X			X	X	
YSR							X							X									X		
YTB 752							X						X	X				X		X			X	X	
YTB 756							X						X	X				X		X			X	X	
YTB 760							X						X	X				X		X			X	X	
YTL 422							X						X	X				X		X			X	X	
YTM							X						X	X						X			X		
YTT 9			X				X						X	X				X		X			X	X	
YWN			X				X							X									X		

Appendix B

Navy Vessel Discharges Not to be Regulated

Ship Class	Boiler Blowdown	Catapult Wet Accumulator Discharge	Cathodic Protection	Freshwater Lay-up	Mine Countermeasures Equipment Lubrication	Portable Damage Control Drain Pump Discharges	Portable Damage Control Drain Pump Wet Exhaust	Refrigeration/AC Condensate	Rudder Bearing Lubrication	Steam Condensate	Stern Tube Seals & Underwater Bearing Lubrication	Submarine Acoustic Countermeasures Launcher Discharge	Submarine Emergency Diesel Engine Wet Exhaust	Sub Outboard Equip. Grease & External Hydraulics
AC														
AFDB 4						X	X							
AFDB 8						X	X							
AFDL 1						X	X							
AFDM 3						X	X							
AFDM 14						X	X							
AGER 2			X			X	X	X						
AGF 3	X		X			X	X	X	X	X	X			
AGF 11	X		X			X	X	X	X	X	X			
AGOR 21			X			X	X	X			X			
AGOR 23			X			X	X	X			X			
AGSS 555			X								X		X	X
AO 177	X		X			X	X	X		X	X			
AOE 1	X		X			X	X	X	X	X	X			
AOE 6	X		X			X	X	X	X	X	X			
AP								X						
APL						X	X	X						
AR								X						
ARD 2			X			X	X							
ARDM						X	X				X			
ARS 50	X					X	X	X	X	X	X			
AS 33	X					X	X	X	X	X	X			
AS 39	X					X	X	X	X	X	X			
ASDV											X			
AT								X			X			

Appendix B
Navy Vessel Discharges Not to be Regulated

Ship Class	Boiler Blowdown	Catapult Wet Accumulator Discharge	Cathodic Protection	Freshwater Lay-up	Mine Countermeasures Equipment Lubrication	Portable Damage Control Drain Pump Discharges	Portable Damage Control Drain Pump Wet Exhaust	Refrigeration/AC Condensate	Rudder Bearing Lubrication	Steam Condensate	Stern Tube Seals & Underwater Bearing Lubrication	Submarine Acoustic Countermeasures Launcher Discharge	Submarine Emergency Diesel Engine Wet Exhaust	Sub Outboard Equip. Grease & External Hydraulics
ATC			X					X			X			
BH														
BT														
BW														
CA														
CC														
CG 47	X		X			X	X	X		X	X			
CGN 36	X		X			X	X	X		X	X			
CGN 38	X		X			X	X	X		X	X			
CM			X											
CT														
CU			X											
CV 59	X	X	X			X	X	X		X	X			
CV 63	X	X	X			X	X	X		X	X			
CVN 65	X	X	X	X		X	X	X		X	X			
CVN 68	X	X	X	X		X	X	X		X	X			
DB														
DD 963						X	X	X			X			
DDG 51						X	X	X			X			
DDG 993						X	X	X			X			
DSRV-1											X			
DSV 1											X			
DT														
DW														
FFG 7			X			X	X	X			X			

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Navy Vessel Discharges Not to be Regulated

Ship Class	Boiler Blowdown	Catapult Wet Accumulator Discharge	Cathodic Protection	Freshwater Lay-up	Mine Countermeasures Equipment Lubrication	Portable Damage Control Drain Pump Discharges	Portable Damage Control Drain Pump Wet Exhaust	Refrigeration/AC Condensate	Rudder Bearing Lubrication	Steam Condensate	Stern Tube Seals & Underwater Bearing Lubrication	Submarine Acoustic Countermeasures Launcher Discharge	Submarine Emergency Diesel Engine Wet Exhaust	Sub Outboard Equip. Grease & External Hydraulics
HH														
HL														
HS														
IX														
IX 35														
IX 501								X						
IX 308								X						
LA														
LCAC 1														
LCC 19	X		X			X	X		X	X	X			
LCM(3)			X								X			
LCM(6)			X								X			
LCM(8)			X								X			
LCPL											X			
LCU 1610			X			X	X				X			
LCVP											X			
LH														
LHA 1	X		X			X	X	X	X	X	X			
LHD 1	X		X			X	X	X	X	X	X			
LPD 4	X		X			X	X	X	X	X	X			
LPD 7	X		X			X	X	X	X	X	X			
LPD 14	X		X			X	X	X	X	X	X			
LPH 2	X		X			X	X	X	X	X	X			
LSD 36	X		X			X	X	X	X	X	X			
LSD 41	X		X			X	X	X	X	X	X			

Appendix B Navy Vessel Discharges Not to be Regulated

Ship Class	Boiler Blowdown	Catapult Wet Accumulator Discharge	Cathodic Protection	Freshwater Lay-up	Mine Countermeasures Equipment Lubrication	Portable Damage Control Drain Pump Discharges	Portable Damage Control Drain Pump Wet Exhaust	Refrigeration/AC Condensate	Rudder Bearing Lubrication	Steam Condensate	Stern Tube Seals & Underwater Bearing Lubrication	Submarine Acoustic Countermeasures Launcher Discharge	Submarine Emergency Diesel Engine Wet Exhaust	Sub Outboard Equip. Grease & External Hydraulics
LSD 49	X		X			X	X	X	X	X	X			
LST 1179	X		X			X	X	X	X	X	X			
MC														
MCM 1			X		X	X	X	X	X		X			
MHC 51	X		X		X	X	X	X	X					
ML														
MM														
MW														
NM														
NS											X			
PB			X								X			
PBR			X								X			
PC 1			X			X	X	X			X			
PE														
PF														
PG														
PK														
PL											X			
PR														
PT														
RB											X			
RX											X			
SB														
SC														
SES 200											X			

Appendix B Navy Vessel Discharges Not to be Regulated

Ship Class	Boiler Blowdown	Catapult Wet Accumulator Discharge	Cathodic Protection	Freshwater Lay-up	Mine Countermeasures Equipment Lubrication	Portable Damage Control Drain Pump Discharges	Portable Damage Control Drain Pump Wet Exhaust	Refrigeration/AC Condensate	Rudder Bearing Lubrication	Steam Condensate	Stern Tube Seals & Underwater Bearing Lubrication	Submarine Acoustic Countermeasures Launcher Discharge	Submarine Emergency Diesel Engine Wet Exhaust	Sub Outboard Equip. Grease & External Hydraulics
SLWT											X			
SS														
SSBN 726	X		X	X				X		X	X	X	X	X
SSN 637	X		X	X				X		X	X	X	X	X
SSN 640	X		X	X				X		X	X	X	X	X
SSN 671	X		X	X				X		X	X	X	X	X
SSN 688	X		X	X				X		X	X	X	X	X
ST														
TC														
TD														
TR			X								X			
UB											X			
VP														
WB														
WH														
WT														
YC														
YCF														
YCV														
YD														
YDT														
YFB						X	X							
YFN						X	X							
YFNB														
YFND						X	X							

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Navy Vessel Discharges Not to be Regulated

Ship Class	Boiler Blowdown	Catapult Wet Accumulator Discharge	Cathodic Protection	Freshwater Lay-up	Mine Countermeasures Equipment Lubrication	Portable Damage Control Drain Pump Discharges	Portable Damage Control Drain Pump Wet Exhaust	Refrigeration/AC Condensate	Rudder Bearing Lubrication	Steam Condensate	Stern Tube Seals & Underwater Bearing Lubrication	Submarine Acoustic Countermeasures Launcher Discharge	Submarine Emergency Diesel Engine Wet Exhaust	Sub Outboard Equip. Grease & External Hydraulics
YFNX			X			X	X				X			
YFP						X	X							
YFRN														
YFRT														
YFU 83			X											
YFU 91			X											
YGN 80			X											
YL														
YLC														
YM														
YMN														
YNG														
YO 65			X											
YOG 5			X											
YOGN														
YON														
YOS														
YP 654			X											
YP 676			X											
YPD														
YR														
YRB														
YRBM						X	X							
YRDH						X	X							
YRR														

Appendix B
Navy Vessel Discharges Not to be Regulated

Ship Class	Boiler Blowdown	Catapult Wet Accumulator Discharge	Cathodic Protection	Freshwater Lay-up	Mine Countermeasures Equipment Lubrication	Portable Damage Control Drain Pump Discharges	Portable Damage Control Drain Pump Wet Exhaust	Refrigeration/AC Condensate	Rudder Bearing Lubrication	Steam Condensate	Stern Tube Seals & Underwater Bearing Lubrication	Submarine Acoustic Countermeasures Launcher Discharge	Submarine Emergency Diesel Engine Wet Exhaust	Sub Outboard Equip. Grease & External Hydraulics
YRST														
YSD 11			X											
YSR														
YTB 752			X											
YTB 756			X											
YTB 760			X											
YTL 422			X											
YTM														
YTT 9			X											
YWN														