NAVEDTRA 43195-B

Naval Education and
Training Command

95
-8700

PERSONNEL QUALIFICATION STANDARD

FOR

OIL SPILL CONTROL AND REMOVAL EQUIPMENT

NAME (Rate / Rank)

_____

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ACKNOWLEDGEMENTS

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INTRODUCTION

1. PQS PROGRAM. PQS is a system for qualifying officers and enlisted personnel to perform certain duties. It is a compilation of the knowledge and skills required to qualify for a specific watchstation/workstation, maintain specific equipment or perform as a team member within your unit. The PQS Program is not designed as a training program, but provides many training objectives. This PQS was written by fleet personnel who are currently performing in the watchstations/workstations covered in this package and with many years of experience. They have determined that these are the minimum requirements for safely and effectively performing at these watchstations/workstations.

2. CANCELLATION. This PQS supersedes NAVEDTRA 43195-A.

3. APPLICABILITY. This PQS is applicable to all naval facilities with port services capabilities.

4. TAILORING. To command tailor this package, first have it reviewed by one or more of your most qualified individuals. Delete any portions covering systems and equipment not installed on your ship, aircraft or unit. Next, add any line items, fundamentals, systems and watchstations/workstations that are unique to your command but not already covered in this package. Finally, the package should be reviewed by the cognizant department head and required changes approved by the Commanding Officer or his designated representative. Retain the approved master copy on file for use in tailoring individual packages.

5. QUALIFIER. The PQS Qualifier is designated in writing by the Commanding Officer to sign off individual PQS line items. Qualifiers will normally be E-5 or above and, as a minimum, must have completed the PQS they are authorized to sign off. The names of designated Qualifiers can be found on the PQS Progress Chart. For more information on the duties and responsibilities of PQS Qualifiers, see the PQS Management Guide.

6. CONTENTS. This PQS is divided into three sections. The 100 Section (Fundamentals) contains the fundamental knowledge or book learning necessary for satisfactory understanding of the watchstation/workstation duties. The 200 Section (Systems) is designed to acquaint you with the systems you will be required to operate at your watchstation/workstation. The 300 Section (Watchstations) lists the tasks you will be required to satisfactorily perform in order to achieve final PQS qualification for a particular watchstation/workstation. Detailed explanations are provided at the front of each section.

7. REFERENCES. The references used during the writing of this PQS package were the latest available to the workshop at the time. However, the most current references available should be used when qualifying with this Standard.

8. TRAINEE. Your supervisor will tell you which watchstations/ workstations you are to complete and in what order. Before getting started, turn to the 300 Section first and find your watchstation/workstation. This will tell you what you should do before starting your watchstation/workstation tasks. You may be required to complete another PQS, school, or other watchstations/ workstations within this package. It will also tell you which fundamentals and systems from this package you must complete prior to qualification at your watchstation/workstation. If you have any questions or are unable to locate references, contact your supervisor or qualifier. Good Luck!

9. PQS FEEDBACK REPORTS. This PQS was developed using information currently available at the time of writing. When equipment and requirements change, the PQS needs to be revised. The only way the PQS Development Group knows of these changes is by you, the user, telling us either by letter or via the Feedback Report contained in the back of this book. **You can tell us of new systems, requirements, or errors found.**

DEFINITIONS OF WORDS USED IN PQS

AIRCREW EVOLUTION - A grouping of aircrew tasks that measure performance in the course of a flight

COMPONENTS - Major units that make up a system when properly connected

COMPONENT PART - A major part of a component

CONTROL/COORDINATION - Refers to the safe performance of multiple tasks to be accomplished by two or more workcenters/persons at the same time

CONTROL SIGNAL - A signal used to control electronic or mechanical devices

EMERGENCY - An event or series of events in progress that will cause damage to equipment or injury to personnel unless immediate corrective steps are taken

FUNDAMENTALS - Basic facts, theories, laws or principles (100 Section in PQS)

INFREQUENT TASKS - Tasks performed under casualty conditions or tasks that are not done as a regular part of watchstation/ workstation routine; may be simulated

INTERLOCK - A protective device to prevent the unsafe operation of equipment or to sequence the action of systems, components or component parts

MAINTENANCE ACTION - A maintenance technician qualification that measures ability to perform a designated task

NORMAL OPERATING VALUE - The point at which satisfactory performance may be expected

OPERATING LIMITS - Maximum and minimum allowable values

PARAMETER - A variable (temperature, pressure, flow rate, voltage, current, frequency, etc.) that must be indicated, monitored, checked or sensed during operation or testing

PROTECTIVE FEATURE - A device designed to prevent damage or injury

SENSING POINT - The point in a system at which a signal may be detected

SET POINT - The value of a parameter at which: (a) an alarm is set off, (b) operator action is required, (c) valves open or shut, (d) proper operation stops and damage may occur, or (e) the optimum value for normal operation is achieved

SOURCES OF POWER - Circuits or devices that supply power, energy or charge to a component/component part; includes electrical, mechanical, hydraulic and pneumatic

SUPPORT ACTION - A qualification that measures the ability to perform specific or repetitive tasks that do not involve the correction of a malfunction or repair of equipment

SYSTEMS - Groups of components that operate together to perform specific functions (200 Section in PQS)

SYSTEM INTERFACE - (a) How outside influences affect the operation of this system, or (b) How the operation of this system affects the operation of other systems or equipment

WATCHSTATION/WORKSTATION - An operator qualification that includes duties, assignments or responsibilities that an individual may be called upon to perform (not necessarily limited to a specific time period) (300 Section in PQS)

INTRODUCTION TO FUNDAMENTALS

1. INTRODUCTION. This PQS begins with a Fundamentals section covering the basic knowledge and principles needed to understand the equipment or duties to be studied. Normally, you would have acquired the knowledge required in the Fundamentals section during the school phase of your training. If you have not been to school or if you need a refresher, the references listed at the beginning of each fundamental will aid you in a self-study program. All references cited for study are selected according to their credibility and availability.

2. SAFETY. Because safety is of paramount consideration, the first subsection of Fundamentals describes the safety precautions which apply throughout the PQS. This permits a subsequent listing in the Systems sections of those safety precautions unique to a given system.

3. HOW TO COMPLETE. The fundamentals you will have to complete are listed in the watchstation (300 section) for each watchstation. You should complete all required fundamentals before starting the systems and watchstation portions of this PQS, since the knowledge gained from fundamentals will aid you in understanding the systems and your watchstation tasks. When you feel you have a complete understanding of one or more fundamentals, contact your Qualifier. If you are attempting initial qualification, your Qualifier will expect you to satisfactorily answer all line items in the fundamental before signing off completion of that fundamental. If you are requalifying or have completed the appropriate schools, your Qualifier may require you to answer representative line items to determine if you have retained the necessary knowledge for your watchstation. If your command requires an oral board or written examination for final qualification, you may be asked any questions from the fundamentals required for your watchstation.

101 SAFETY PRECAUTIONS FUNDAMENTALS 101

References:

a. OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
b. NEESA 7-029, Oil Spill Contingency Planning Manual, ch. 9
c. Dominator Operator Handbook

101.1 Discuss safety precautions exercised while working around small boats and barges. (ref. a, ch. C4)

.2 Discuss basic safety precautions when working with or near the following:

a. Volatile fuel (ref. a, ch. C10)
b. Oily surfaces (ref. a, ch. C1)
c. Pressurized hoses/equipment (ref. a, ch. C13)
d. Rotating machinery (ref. a, ch. C13)
e. Foul weather (ref. a, ch. C4)
f. Towing lines (ref. a, ch. C5)
g. Electrical equipment (ref. a, ch. C9)
h. Hydrogen sulfide gas (H2S) (ref. a, ch. C15)
i. Methane gas (CH_4) (ref. a, ch. C15)
j. Hazardous material (ref. a, ch. C23)
k. High noise levels (ref. a, ch. B4)

.3 List the requirements as indicated on the Material Safety Data Sheet (MSDS). (ref. a, ch. B3)

References:

a. NAVFAC ILSP-001B, Integrated Logistics Support Plan for Harbor Oil Spill Removal/Recovery Systems
b. OPNAVINST 5090.1B, Environmental and Natural Resources Protection Manual
c. NAVFAC P-908, Oil Spill Control Manual for Inland Waters and Harbors
d. Local Oil Spill Contingency Program

102.1 List the authoritative manuals or instructions used by your unit. (refs. a, b, c, d, and local instructions)

.2 Define the concept of the Integrated Logistics Support Plan. (ref. a, sec. 1)

.3 Discuss the function of your Navy On-Scene Coordinator. (ref. b, ch. 10)

.4 Discuss the interface between the following: (ref. a, secs. 1, 3)

a. Naval facilities
b. Naval Sea System Command
c. U.S. Coast Guard
d. Environmental Protection Agency (EPA)

.5 Discuss the national, area and local Navy Contingency Plans. (ref. b, ch. 10)

.6 Discuss the duties of and relationships between the following:

a. Emergency Response Coordinator (ERC)/qualified individual (QI) (ref. b, ch. 10)
b. On-Scene Coordinator (OSC) (ref. b, ch. 10)
c. Facility Incident Commander (ref. b, ch. 10)
d. On-Scene Operations Team (OSOT) (ref. b, ch. 19)

.7 Discuss oil spill response information available in the following:

a. Environmental and Natural Resources Program (ref. b, ch. 10)
b. Oil Spill Control Manual for Inland Waters and Harbors (ref. d)

.8 Outline the sequence of events following notification of an oil spill. (ref. d)

103 OIL RECOVERY FUNDAMENTALS 103

References:

a. NAVFAC P-908, Oil Spill Control Manual for Inland Waters and Harbors, ch. 3
b. NEESA 7-029, Oil Spill Contingency Planning Manual
c. OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
d. S0300-A6-MAN-060, U.S. Navy Ship's Salvage Manual, vol. 6 (Oil Spill Response)

103.1 Discuss the importance of early discovery and notification of oil spills. (ref. a)

.2 Discuss in detail the information contained in the area oil spill contingency plan. (ref. b, ch. 4)

.3 Discuss the environmental parameters that affect oil slick movement. (ref. b, ch. 6)

.4 Discuss how oil spills are contained. (ref. a; ref. b, ch. 7)

.5 Discuss boom deflection techniques with respect to current. (ref. a)

.6 Explain the techniques of moving oil spills from under piers and obstructed areas. (ref. b, ch. 7)

.7 Discuss the importance of cleaning and repositioning the equipment following an oil spill cleanup operation. (ref. a)

.8 Discuss the basic clean-up techniques used in the following oil spills: (ref. b, ch. 7)

a. Harbor areas
b. Beach areas
c. Rivers and tidal current areas
d. Drainage areas

.9 Explain the use of sorbents. (ref. a)

.10 Discuss the following as applied to oil spill cleanup:

a. Volatile spill (ref. b, ch. 6)
b. Flash point (ref. b, ch. 6)
c. Viscosity (ref. b, ch. 6)
d. Density (ref. b, ch. 6)
e. Oil spill appearance (rainbow/sheen) (ref. b, ch. 6)
f. Oil/water emulsion (ref. b, ch. 6)
g. Boom leakage/oil head wave (ref. a)
h. Vector (ref. b, ch. 6)

.11 Discuss the physical effects of the following on oil, equipment and recovery operations:

a. Low temperature (ref. b, ch. 7)
b. Wind/current/waves (ref. d, ch. 2)
c. Debris (ref. a)
d. Location of the thickest part of an oil slick in open water when exposed to wind (ref. a)

103 OIL RECOVERY FUNDAMENTALS (CONT'D)

103.12 Discuss the following:

a. Oil weathering process (ref. b, ch. 6)
b. Stationary skimming mode of operation (ref. b, ch. 7)
c. Maneuvering skimming mode of operation (ref. a)
d. Weir skimmer principle (ref. b, ch. 8)
e. Dynamic inclined plane (DIP) principle (ref. b, ch. 8)
f. Oil-water gravity separation (ref. b, ch. 8)
g. Effect of oil viscosity on slick spreading (ref. b, ch. 6)
h. Effect of oil volatility on evaporation rate (ref. b, ch. 6)

104 OIL RECOVERY EQUIPMENT FUNDAMENTALS 104

References:

a. NAVFAC ILSP-001B, Integrated Logistics Support Plan for Harbor Pollution Control Equipment
b. NAVFAC P-908, Oil Spill Control Manual for Inland Waters and Harbors, ch. 3
c. Subject Matter Expert
d. NAVSUP Pub. 558, Fuel Management Ashore

104.1 Discuss the capabilities of the following:

a. Large skimmer (DIP 3001) (ref. a, ch. 2)
b. Medium skimmer (DIP 1002) {ref. d, app. 31)
c. Small skimmer (ref. d, app. 31)
d. Waste oil raft (DONUT) (ref. b)
e. Ship's Waste Off-Load Barge (SWOB) (ref. b)
f. Vacuum truck (ref. c)
g. Mark II oil spill containment and clean up kit (ref. b, sec. 3)

.2 Discuss the interrelations between the following equipment: (ref. b)

a. DONUT and SWOB
b. DIP 3001, boom and utility boats

.3 State the nominal dimensions of the oil containment booms. (ref. b)

105 RULES OF THE ROAD FOR CRAFT HANDLING FUNDAMENTALS 105

References:

a. COMDTINST M16672.2, Navigation Rules International-Inland Instruction Manual
b. NAVEDTRA 10101, Boatswain Mate, ch. 6, vol. 1

105.1 Define the following and describe the situation that each involves:

a. Give-way vessel (ref. a, pt. B, rule 16)
b. Stand-on vessel (ref. a, pt. B, rule 17)
c. Meeting/crossing situation (ref. a, pt. B, rule 14)
d. Vessel restricted in its ability to maneuver due to nature of work (ref. a, pt. B, rule, 18)

.2 Discuss the difference between Inland Rules of the Road and International Navigation Rules. (ref. a, pt. A, rule 1)

.3 Discuss the purpose of the following lights: (ref. a, pt. C, rule 21)

a. Sidelights
b. Stern lights
c. Masthead lights
d. Towing lights

.4 Discuss the following aids to navigation: (ref. b)

a. Audible signals
b. Visual signals

.5 Describe the types and purpose of buoys, daymarks, and beacons. (ref. b)

106 HYDRAULICS AND PNEUMATICS FUNDAMENTALS 106

Reference:

a. NAVEDTRA 12964, Fluid Power, Glossary

106.1 Define the following terms as used in basic hydraulics and pneumatics:

a. Fluid power
b. Hydraulics
c. Pneumatics
d. Viscosity

References:

a. NAVEDTRA 12001, Fireman
b. NAVEDTRA 10539, Engineman 3
c. S0300-A6-MAN-050, U.S. Navy Ship's Salvage Manual, ch. 3, vol. 5

107.1 Define electrical current reference. (ref. a, ch. 12)

.2 Discuss the operation of the following:

a. Starters (ref. b, ch. 10)
b. Solenoid (ref. b, app. A1-23)
c. Batteries (ref. b, ch. 10)

.3 Discuss the basic principles of operation and service use of the following pumps:

a. Pneumatic diaphragm (ref. c)
b. Positive displacement (ref. b, ch. 8)
c. Centrifugal (ref. a, ch. 9)

.4 Discuss the basic air-cooled/water-cooled diesel engine. (ref. a, ch. 7)

.5 Discuss the use of packing on moving joints. (ref. a, ch. 9)

References:

a. OPNAVINST 5090.1B, Environmental and Natural Resources Program Manual
b. NAVPAC P-908, Oil Spill Control Manual for Inland Waters and Harbors
c. Local Oil Spill Contingency Program

108.1 Describe the handling for the following:

a. Oil Spill Report (ref. a, app. I)
b. Post-Action Report (ref. a, app. I)
c. DONUT Utilization Report (ref. c)

.2 List the agencies and naval commands that receive the following reports: (ref. a, app. I)

a. Oil Spill Report
b. After-Action Report

.3 Explain why oil spill reports are submitted to the U.S. Coast Guard District Commander and the local Environmental Protection Agency (EPA). (ref. a, ch. 10)

.4 Discuss local requirements and costs for logging and reporting manpower and equipment utilization. (ref. b, ch. 3)

.5 Discuss any local reports required while working an oil spill. (ref. c)

.6 State the effects of the following on local oil spill cleanup costs: (ref. c)

a. Response time
b. Containment
c. Weather (wind, currents, temperature, sea state)
d. Access to spill
e. Experience of personnel
f. Debris
g. Communications
h. Mechanization versus labor
i. Effective relations and coordination between spiller, authorities, and cleanup crews
j. Degree of cleanup necessary (cleanliness versus location)

109 HAZARDOUS WASTE DISPOSAL AND CONTROL FUNDAMENTAL 109

Reference:

a. OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat

109.1 Discuss the importance of the following:

a. Use of the Material Safety Data Sheet (MSDS)
b. Disposal of contaminated material/waste or used hazardous material

NOTE: **ALTHOUGH SHORE STATIONS GENERATE HAZARDOUS *WASTE* SHIPS DO NOT USE THE TERM *HAZARDOUS WASTE*. TO DESCRIBE ANY WASTES, SHIPS USE THE TERM *USED OR EXCESS HAZARDOUS MATERIAL*. SINCE ONLY THE SHORE ESTABLISHMENT IS AUTHORIZED TO DECIDE IF A MATERIAL IS NOT RECYCLABLE OR REUSABLE AND CONSIDERED *WASTE*.**

.2 Discuss the method involved in hazardous material disposal:

a. At sea
b. On shore/in port

INTRODUCTION TO SYSTEMS

1. BASIC BUILDING BLOCKS. In this section, the equipment is broken down into smaller, more comprehensible, functional "systems" as the basic building blocks in the learning process. Each system is written to reflect specific watchstation requirements by identifying the equipment most relevant to one or more designated watchstanders. The less complex systems may be identified and covered quickly or relegated to a lower priority to permit greater emphasis on more significant or complex systems.

2. COMPONENTS AND COMPONENT PARTS. Each system is disassembled, for learning, into two levels. Systems have components and components have parts. Don't expect to see every item appearing on a parts list in the technical manual. Only those items which must be understood for operation/maintenance are listed. Normally a number of very broad (overview) systems are disassembled into their components or component parts with the big picture as the learning goal. Items listed as components in such a system may then be analyzed as separate systems and broken down into components and component parts. Example: the turbogenerators and switch-gears may be listed as components of the Ship's Service Electrical Distribution System and then detailed as individual systems on later pages for closer study.

3. FORMAT. Each system is organized within the following format:

   It lists the references to be used for study and asks you to explain the function of the system.

   It asks for the static facts of what or where the components and component parts are in relation to the system.

   It directs attention to the dynamics of how the component and component parts operate to make the system function.

   It specifies the parameters that must be immediately recalled.

   It requires study of the relationship between the system being studied and other systems or areas.

   It requires discussion of safety devices which protect the system, as well as unique safety precautions that apply to personnel and equipment.

4. HOW TO COMPLETE. The systems you will have to complete are listed in the Watchstation (300 section) for each watchstation. When you feel you have mastered one or more systems, contact your Qualifier. The Qualifier will give you an oral examination on each system and, if satisfied you have sufficient knowledge of the system, will sign the appropriate system line items. You will be expected to demonstrate through oral or written examination a thorough understanding of each system required for your watchstation.

201 OIL SPILL BARRIER (PERMANENT, TEMPORARY, ANCHORING) SYSTEM 201

References:

a. NAVFAC P-908, Oil Spill Control Manual for Inland Waters and Harbors, ch. 3
b. NEESA 7-029, Oil Spill Contingency Planning Manual, ch. 8
c. MIL-B-28617B, Operations Maintenance and Repair Manual
d. OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
e. NAVFAC ILSP-001B, Integrated Logistic Support Plan for Harbor Oil Pollution Control Equipment, sec. 2
f. Local Oil Spill Contingency Plan
g. S0300-AG-MAN-060, U.S. Navy Ship's Salvage Manual, ch. 4, vol. 6 (Oil Spill Response)

201.1 FUNCTION

201.1.1 What is the function of this system? (ref. b, ref. e)

201.2 SYSTEM COMPONENTS AND COMPONENT PARTS

Referring to a standard print of this system or the actual equipment, identify the following system components and component parts and discuss the designated items for each:

A. What is its function?
B. Where is it located?
C. What are the probable indications if this component fails?
D. What are the different classes of equipment?

		A	B	C	D
201.2 .1	Oil spill barrier (permanent/temporary boom) (A: ref. e; B: ref. f; C: ref. b; D: ref. a)	X	X	X	X
.2	Flotation segment (A-B: ref. c; C: ref. b)	X	X	X	
.3	Barrier skirt (A-B: ref. c; C: ref. b)	X	X	X	
.4	Ballast (ref. c)	X	X	X	
.5	End connectors (male and female) (ref. c)	X	X		
.6	Tension cable (ref. b)	X			
.7	Bulkhead attachments (A: ref. c; B: ref. f)	X	X		
.8	Towing attachments (ref. c)	X			
.9	Storage/deployment systems (A,C: ref. c; B: ref. f)	X	X	X	
.10	Repair kits (ref. c)	X			
.11	Boom Mooring System (ref. g)	X			
.12	Crown buoy with cable (ref. g)	X			
.13	Lightweight anchor with chain (ref. g)	X			X
.14	Mooring buoy with cable/line (ref. g)	X			
.15	Magnetic attachments (ref. g)	X			

201.3 PRINCIPLES OF OPERATION

201.3.1 How do the components work together to achieve the system's function? (ref. b)

201.4 PARAMETERS/OPERATING LIMITS - None to be discussed.

201.5 SYSTEM INTERFACE

201.5.1 How do the following outside influences affect the operation of this system:

a. Tides/currents (ref. b)
b. Material deterioration (ref. c)
c. Marine growth (ref. c)
d. Debris (ref. a)
e. Inclement weather (ref. g)

.2 How does this system interface with the following: (ref. b)

a. DIP 3001 System
b. Utility boat
c. Work boat platform

201.6 SAFETY PRECAUTIONS

201.6.1 What safety precautions must be observed when operating this system? (ref. d, sec. C1)

202 DYNAMIC INCLINED PLANE (DIP) 3001 SKIMMER SYSTEM 202

References:

a. Technical Manual, Overhaul Procedures for Dynamic Inclined Plane (DIP) Model 3001 Oil Skimmer
b. Training Manual, Model 3001 Dynamic Inclined Plane (DIP) Oil Skimmer System (Rev 8-80)
c. OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
d. NAVFAC P-908, Oil Spill Control Manual for Inland Waters and Harbors
e. Subject Matter Expert

202.1 FUNCTION

202.1.1 What is the function of this system? (ref. b, ch. 1)

202.2 SYSTEM COMPONENTS AND COMPONENT PARTS

Referring to a standard print of this system or the actual equipment, identify the following system components and component parts and discuss the designated item for each:

A. What is its function?
B. Where is it located?
C. What are the ratings?
D. What are the construction characteristics?

		A	B	C	D
202.2.1	Hull (ref. b, ch. 2)	X			
a.	Collection well access hatch (ref. b, ch. 2)	X	X		
b.	Portable decking (ref. b, ch. 2)	X	X		
c.	Oil collection well (ref. b, ch. 2)	X	X		
d.	Transverse baffles (6) (ref. b, ch. 2)	X	X		
e.	Bottom plate/adjustable flow control plate (ref. b, ch. 2)	X	X		
f.	Mooring cleats (A: ref. e; B: ref. b, ch. 2)	X	X		
g.	Pipe and rail stanchion assembly (ref. b, ch. 2)	X	X		
h.	Hull connectors (boom attachments) (ref. b, ch. 2)	X	X		
i.	Flotation compartments (ref. a, ch. 2)	X			
j.	Pilot house (ref. b, ch. 2)	X			
k.	Control console (ref. b, ch. 2)	X	X		
l.	Sweeps (ref. b, ch. 2)	X	X		
m.	Winch (ref. b, ch. 2)	X	X		
n.	Sweep seals (ref. b, ch. 2)	X	X		
o.	Water spray nozzles (ref. b, ch. 2)	X	X		

202.2 SYSTEM COMPONENTS AND COMPONENT PARTS (CONT'D)

		A	B	C	D
202.2.1	p. Aperture spray bar (ref. b, ch. 2)	X	X		
	q. Water pump (ref. b, ch. 2)	X	X		
	r. Sluice gate (ref. b, ch. 2)	X	X		
.2	Moving plane (ref. b, ch. 1)	X			
	a. Hydraulic motor (ref. b, ch. 2)	X	X		
	b. Drive chain (ref. b, ch. 2)	X			
	c. Roller assemblies (2) (ref. b, ch. 2)	X			
	d. Belt assembly (ref. b, ch. 2)	X			X
	e. Wiper assembly (ref. b, ch. 2)	X	X		X
.3	Oil handling equipment (ref. b, ch. 2)	X			
	a. Oil transfer pump (ref. b, ch. 2)	X	X		
	b. Liquid level gages (ref. b, ch. 2)	X	X		
.4	Power plant (ref. b, ch. 2)	X			
	a. Engine (ref. b, ch. 2)	X	X	X	
	b. Gages (2) (ref. b, ch. 2)	X	X		
	c. Alarms (2) (ref. b, ch. 2)	X	X		
	d. Shutdown switch (ref. b, ch. 2)	X	X		
	e. Transmission (ref. b, ch. 2)	X		X	
	f. Fuel tank (ref. b, ch. 2)	X	X	X	
	g. Fuel shutoff valve (ref. b, ch. 2)	X	X		
.5	Hydraulic power (ref. b, ch. 2)	X			
	a. Hydraulic loops (4) (ref. b, ch. 2)	X	X		
	b. Reservoir (ref. b, ch. 2)	X	X	X	
	c. Relief valves (4) (ref. b, ch. 2)	X	X	X	
	d. Shutoff valves (4) (ref. b, ch. 2)	X	X		
	e. Propellers (2) (ref. e)	X			
	f. Shafts (ref. e)	X			
	g. Strut bearings (2) (ref. e)	X			
	h. Stuffing boxes (2) (ref. e)	X			
.6	Steering Subsystem (ref. e)	X			
.7	Electrical Subsystem (ref. b, ch. 2)	X			

202.3 PRINCIPLES OF OPERATION

202.3.1 How do the components work together to achieve the system's function? (ref. b, ch. 1)

.2 Using a diagram of the system, show the path of: (ref. a)

a. Retrieved oil from the water to the oil storage tanks
b. Hydraulic oil from the reservoir through each hydraulic loop
c. Propulsion from the right angle drive unit to the propeller

202.4 PARAMETERS/OPERATING LIMITS

For the items listed, indicate the allowable operating limits:

202.4 .1 Towing speed (ref. b, ch. 3)
.2 Operating speed (knots) (ref. b, ch. 3)
.3 Engine speed (ref. b, ch. 3)
.4 Belt speed (ref. b, ch. 4)

202.5 SYSTEM INTERFACE

202.5.1 How does this system interface with the Oil Spill Barrier (Boom) System? (ref. d, ch. 3)

202.6 SAFETY PRECAUTIONS

202.6.1 What safety precautions must be observed when: (ref. c, ch. C4)

a. Towing the DIP
b. Transiting
c. Launching

203 WASTE OIL RAFT (DONUT) SYSTEM 203

References:

a. NAVFAC MO-350, Standard Operational Manual for Waste Oil Raft
b. OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
c. Ship Operating Procedures (SOP) or Local Instructions
d. Local Base Administrative Directive/Base Operations Instructions
e. OPNAVINST 5090.1B, Environmental and Natural Resources Program Manual

203.1 FUNCTION

203.1.1 State the function of this system and list alternative systems being phased in for replacement. (ref. a, ch. 2; ref. d; ref. e, ch. 19)

203.2 SYSTEM COMPONENTS AND COMPONENT PARTS

Referring to a standard print of this system or the actual equipment, identify the following system components and component parts and discuss the designated items for each:

A. What is its function?
B. Where is it located?
C. What are the safety/protective devices for this component/component part?
D. What are the probable indications if this component fails?

		A	B	C	D
203.2 .1	Crown (ref. a, ch. 2)	X	X		X
.2	Deck (ref. a, ch. 2)	X	X		
.3	Flotation collar (ref. a, ch. 2)	X	X		
.4	Observation well (A-B: ref. a, ch. 2; C: ref. a, ch. 3)	X	X	X	
.5	Access hatches (ref. a, ch. 2)	X	X		
.6	Weir (primary/secondary) (ref. a, ch. 4)	X	X		
.7	Weir floats (ref. a, ch. 4)	X	X		X
.8	Discharge control valve (A-B: ref. a, chs. 2,3; D: ref. b, app. B3-A)	X	X		X
.9	Saltwater inlet control valve (A-B: ref. a, ch. 2; D: ref. a, ch. 4)	X	X		X
.10	Fill pipes (ref. a, ch. 3)	X	X		
.11	Emergency overflow (ref. a, ch. 2)	X	X		
.12	Overboard discharge ports (ref. a, ch. 2)	X			
.13	Crossover (ref. a, ch. 2)	X	X		
.14	Primary/secondary chambers (ref. a, ch. 2)	X	X		

203.3 PRINCIPLES OF OPERATION

203.3.1 How do the components work together to achieve the system's function? (ref. a, ch. 2)

.2 Using a diagram of the system, show the path of:

a. Waste oil from the ship to the DONUT (ref. a, ch. 2)
b. Waste oil from the DONUT to the Ship's Waste Off-Load Barge (SWOB) (ref. c)
c. Waste oil from the primary chamber to the secondary chamber (ref. a, ch. 2)

.3 What is the sequence of events involved to accomplish:

a. Launching/retrieving the DONUT (ref. a, ch. 5)
b. Recovering collected oil (ref. a, ch. 4)

203.4 PARAMETERS/OPERATING LIMITS

For the items listed, answer the following questions:

A. What is the normal operating limit?
B. What is the allowable operating range?

		A	B
203.4 .1	DONUT capacity (ref. a, ch. 2)	X	
.2	Flow rates unloading (ref. a, ch. 4)	X	X
.3	Flow rates loading (ref. a, ch. 3)	X	X

203.5 SYSTEM INTERFACE

203.5.1 How does the sea state affect the operation of this system? (ref. c)

203.6 SAFETY PRECAUTIONS

203.6.1 What safety precautions must be observed when:

a. Servicing DONUT (ref. a, ch. 4)
b. Launching/retrieving (ref. a, ch. 5)
c. DONUT transiting (ref. c)

204 SHIP'S WASTE OFF-LOAD BARGE (SWOB) SYSTEM 204

References:

a. NAVFAC MO-909, Oil Ship's Waste Off-Load Barge (SWOB) Operation
b. OPNAVINST 5090.1B, Environmental and Natural Resources Program Manual

204.1 FUNCTION

204.1.1 What is the function of this system? (ref. a, ch. 1)

204.2 SYSTEM COMPONENTS AND COMPONENT PARTS

Referring to a standard print of this system or the actual equipment, identify the following system components and component parts and discuss the designated items for each:

A. What is its function?
B. Where is it located?
C. What are the sources of power?
D. What are the modes of operation or control?
E. What are the safety/protective devices for this component/component part?
F. What protection is provided by this component/ component part?
G. What are the probable indications if this component fails?
H. What is the function of each position?
I. Where are the circuit breakers located?
J. What are the ratings of the component?

		A	B	C	D	E	F	G	H	I	J
204.2 .1	Deck house (ref. a, ch. 2)	X	X				X				
.2	Pump room (ref. a, ch. 2)	X	X								
.3	Forward storage compartment (ref. a, ch. 2)	X									
.4	Cargo pumps (ref. a, ch. 2)	X	X			X		X			X
.5	Electric cargo valves (A-E,H: ref. a, ch. 2; G: ref. a, ch. 5)	X	X	X	X	X		X	X		
.6	Valve position indicator (ref. a, ch. 2)	X	X	X	X						
.7	Cargo hoses (A-B: ref. a, ch. 2)	X	X								
.8	Three-way valve (ref. a, ch. 2)	X	X								
.9	Low pressure regulators (A-B: ref. a, ch. 2; G: ref. a, ch. 5)	X	X					X			
.10	Air filters (A,G: ref. a, ch. 5; B: ref. a, ch. 2)	X	X					X			
.11	Rotameter (ref. a, ch. 2)	X	X								
.12	Pressure gauge (A-B: ref. a, ch. 2; G: ref. a, ch. 5)	X	X					X			
.13	High/low level pressure switches (A-F: ref. a, ch. 2; G: ref. a, ch. 5)	X	X	X			X	X			
.14	Alarms (ref. a, ch. 2)	X	X	X							
.15	Manual override switch (ref. a, ch. 2)	X	X								

204.2 SYSTEM COMPONENTS AND COMPONENT PARTS (CONT'D)

		A	B	C	D	E	F	G	H	I	J
204.2 .16	Shore power (A-B: ref. a, ch. 2; G: ref. a, ch. 5)	X	X					X			
.17	440/120 VAC step down transformer (A-B,E,I: ref. a, ch. 2; G: ref. a, ch. 5)	X	X			X		X		X	
.18	120 VAC distribution panels (ref. a, ch. 2)	X									
.19	24 VAC distribution panels (ref. a, ch. 2)	X									
.20	Diesel engine (A-B,E: ref. a, ch. 2; G: ref. a, ch. 5)	X	X			X		X			
.21	Diesel driven generator (A-B,J: ref. a, ch. 2; G: ref. a, ch. 5)	X	X					X			X
.22	Lighting System (ref. a, ch. 2)	X	X	X							
.23	Navigational lighting (ref. a, ch. 2)	X	X	X	X						
.24	Pump room blower (ref. a, ch. 2)	X	X	X							
.25	Anodes and zincs (ref. a, ch. 2)	X	X								
.26	Fendering (ref. a, ch. 2)	X	X								
.27	Spill coaming (ref. a, ch. 2)	X									
.28	Fire extinguishers (ref. a, ch. 2)	X	X								
.29	Life rings (ref. a, ch. 2)	X	X								
.30	Bilge pump (ref. a, ch. 2)	X	X	X							
.31	Warning signals (ref. a, ch. 2)	X	X								

204.3 PRINCIPLES OF OPERATION

204.3.1 Using a diagram of the system, show the path of waste oil from the suction lines to the discharge valve. (ref. a, ch. 2)

.2 What is the sequence of component involvement to accomplish: (ref. a, ch. 3)

a. Onloading of waste oil
b. Off-loading of waste oil

.3 What indications will you receive if the system is malfunctioning? (ref. a, app. A)

204.4 PARAMETERS/OPERATING LIMITS

For the items listed, answer the following questions:

A. What is the normal operating value?
B. Where are the parameters sensed or monitored?
C. What is the physical location of the indicators?
D. What is the alarm set point?

		A	B	C	D
204.4 .1	Tank levels (A,C-D: ref. a, ch. 2; B: ref. a, ch. 3))	X	X	X	X
.2	Discharge rate (ref. a, ch. 2)	X	X		
.3	Phase rotation direction (ref. a, ch. 2)				X
.4	Diesel engine water temperature (ref. a, ch. 5)		X		
.5	Diesel engine oil pressure (ref. a, ch. 5)		X		
.6	Diesel engine oil level (ref. a, ch. 5)	X	X	X	
.7	Generator output voltage (ref. a, ch. 5)		X	X	

204.5 SYSTEM INTERFACE

204.5.1 How does the loss of electrical power affect the operation of this system? (ref. a, ch. 5)

.2 Describe the special segregation precautions required for synthetic lubricants and other types of oils or hazardous materials when dealing with oily waste discharges to O-SWOBS. (ref. b, ch. 19)

204.6 SAFETY PRECAUTIONS

204.6.1 What special safety precautions apply to: (ref. a, ch. 3)

a. Towing SWOB
b. Preventing oil spills
c. Electrical bonding

205 VACUUM TRUCK SYSTEM 205

References:

a. Dominator Operator Handbook
b. OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
c. Subject Matter Expert

205.1 FUNCTION

205.1.1 What is the function of this system? (ref. a, ch. 1)

205.2 SYSTEM COMPONENTS AND COMPONENT PARTS

Referring to a standard print of this system or the actual equipment, identify the following system components and component parts and discuss the designated items for each:

A. What is its function?
B. Where is it located?
C. What are the safety/protective devices for this component/component part?
D. What is the function of each position?

		A	B	C	D
205.2.1	Vacuum pump (ref. a, ch. 1)	X			
	a. Hydraulic oil reservoir (ref. a, ch. 3)	X	X		
	b. Moisture trap (ref. a, ch. 3)	X	X	X	
	c. Pump selector valve (ref. a, ch. 2)	X	X		X
	d. Auxiliary throttle control (ref. a, ch. 2)	X	X		
	e. Power take off (ref. a, ch. 2)	X		X	X
	f. Oil pressure gage (ref. a, ch. 3)	X	X		
.2	Vacuum tank (ref. c)	X	X		
	a. Automatic pressure relief valve (ref. a, ch. 3)	X			
	b. Liquid level indicator (ref. a, ch. 3)	X	X		
	c. Primary shut-off system (ref. a, ch. 3)	X	X	X	
	d. Manual relief valve (ref. a, ch. 3)	X	X		
	e. Four inch intake/discharge valve (ref. a, ch. 3)	X	X		X
	f. Six inch intake/discharge valve (ref. a, ch. 3)	X	X		X
.3	Weir skimmer (ref. a, ch. 5)	X			
	a. Pickup hose (ref. a, ch. 1)	X			

205.3 PRINCIPLES OF OPERATION

205.3.1 How do the components work together to achieve the system's function? (ref. a, ch. 1)

.2 What is the sequence of component involvement to the system? (ref. a, ch. 1)

.3 What indication will you receive if the system is malfunctioning? (ref. a, ch. 1)

205.4 PARAMETERS/OPERATING LIMITS

For the items listed, answer the following questions:

A. What is the normal operating value?
B. What are the allowable operating limits?
C. Where are the parameters sensed or monitored?

		A	B	C
205.4 .1	Hydraulic reservoir capacity (ref. a, ch. 3)	X		X
.2	Hydraulic oil pressure (ref. a, ch. 3)	X	X	X
.3	Pump RPM (ref. a, ch. 1)		X	

205.5 SYSTEM INTERFACE - None to be discussed.

205.6 SAFETY PRECAUTIONS

205.6.1 What special safety precautions apply to:

a. Equipment (ref. a, ch. 1)
b. Personnel (ref. a, ch. 1; ref. b, chs. C-1, C-13)

INTRODUCTION TO WATCHSTATIONS

1. INTRODUCTION. The Watchstation section of your PQS is where you get a chance to demonstrate to your Qualifier that you can put the knowledge you have gained in the Fundamentals and Systems sections to use. This section allows you to practice the tasks required for your watchstation and to handle abnormal conditions and emergencies. Before starting your assigned tasks, you must complete the fundamentals and systems that pertain to the performance of that particular task. Satisfactory completion of all prerequisite watchstations, fundamentals and systems is required prior to achievement of final watchstation qualification.

2. FORMAT. Each watchstation is this section contains:

a. A FINAL QUALIFICATION PAGE which is used to obtain the required signatures for approval and recording of Final Qualification.

b. A QUALIFICATION SUMMARY which is used to record completion of all requirements for qualification at that watchstation, broken down as follows:

(1) PREREQUISITES. Prerequisites are items that must be certified as having been completed before you can begin qualification for a particular watchstation. Prerequisites may include schools, watchstation qualifications from other PQS booklets and other watchstation qualifications from this booklet. Prior to signing off each prerequisite line item, the Qualifier must verify completion from existing records. The date is the date of actual completion, not the sign-off date. No points or percentages are assigned for prerequisites.

(2) FUNDAMENTALS. These are the required fundamentals from the 100 section of this PQS booklet and are in addition to fundamentals you may have completed for other watchstations. Normally all fundamentals must be completed and signed off here prior to starting the watchstation (section 300) tasks, however, the Qualifier has the option of allowing you to start selected watchstation tasks after completing the fundamentals pertaining to the performance of those particular tasks.

(3) SYSTEMS. These are the systems from the 200 section of this PQS booklet which are required for this watchstation and are in addition to systems required for prerequisite watchstations. Before starting assigned watchstation (section 300) tasks, you must complete the systems that pertain to those particular tasks. Satisfactory completion of all systems listed is required for Final Qualification.

c. WATCHSTATION. This is the Practical Factors portion of your qualification. It is broken down as follows:

(1) Tasks - routine operating tasks that are performed frequently

(2) Infrequent Tasks

(3) Abnormal Conditions

(4) Emergencies

(5) Training Watches

d. A FINAL QUALIFICATION SECTION, which is used to obtain the required initials for approval and recording final qualification for each watchstation.

3. OPERATING PROCEDURES. The PQS deliberately makes no attempt to specify the procedures to be used to complete a task or to control or correct a casualty. The only proper sources of this information are the technical manuals, Engineering Operational Sequencing System (EOSS), Naval Air Training and Operating Procedures Standardization (NATOPS) or other policy-making documents prepared for a specific installation or a piece of equipment. Additionally, the level of accuracy required of a trainee may vary from school to school, ship to ship, and squadron to squadron based upon such factors as mission requirements. Thus, proficiency may be confirmed only through demonstrated performance at a level of competency sufficient to satisfy the Commanding Officer.

4. DISCUSSION ITEMS. Though actual performance of evolutions is always preferable to observation or discussion, some items listed in each watchstation may be too hazardous or time-consuming to perform or simulate. Therefore, you may be required to discuss such designated items with your Qualifier.

5. NUMBERING. Each Final Qualification is assigned both a watchstation number and a NAVEDTRA Final Qualification number. The NAVEDTRA number is to be used for recording qualifications in service and training records.

6. HOW TO COMPLETE. After completing the required fundamentals and systems applicable to a particular task, you may perform the task under the supervision of a qualified watchstander. If you satisfactorily perform the task and can explain each step, your Qualifier will sign you off for that task. After all line items have been completed, your Qualifier will verify Final Qualification by signing and dating the Final Qualification pages.

FINAL QUALIFICATION AS
BOOM HANDLER

NAME_____RATE/RANK_____

This page is to be used as a record of satisfactory completion of designated sections of the Personnel Qualification Standard (PQS). Only specified supervisors may signify completion of applicable sections either by written or oral examination, or by observation of performance. The examination or checkout need not cover every item; however, a sufficient number should be covered to demonstrate the examinee's knowledge. Should supervisors "give away" their signatures, unnecessary difficulties can be expected in future routine operations.

This qualification section is to be maintained by the trainee and updated to ensure awareness of remaining tasks.

Trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified BOOM HANDLER (NAVEDTRA 43195-B).

RECOMMENDED_____DATE_____
(Supervisor)

RECOMMENDED_____DATE_____
(Division Officer)

RECOMMENDED_____DATE_____
(Department Head)

QUALIFIED_____DATE_____
(Commanding Officer or
Designated Representative)

SERVICE RECORD
ENTRY_____DATE_____

WATCHSTATION - BOOM HANDLER

Estimated completion time: 4 weeks

Total points this watchstation: 100

301.1 PREREQUISITES

Before starting your assigned tasks, complete the following:

301.1.1 Certificates:

2nd Class Swimmer Qualification

Completed_____
(Qualifier/Date)

.2 PQS Qualifications:

Small Boat Operations (NAVEDTRA 43152-B), 301 Bowhook/Sternhook Small Boat

Completed_____
(Qualifier/Date)

FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING PQS ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT MUST BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.

.3 Fundamentals From This PQS:

101 Safety Precautions

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

103 Oil Recovery

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

104 Oil Recovery Equipment

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

105 Rules of the Road for Craft Handling and Towing

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

109 Hazardous Waste Disposal and Control

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

301.1.4 **Systems From This PQS:**

201 Oil Spill Barrier (Permanent, Temporary, and Anchoring)

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

301.2 TASKS

For the tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What means of communications are used?
E. What safety precautions must be observed?
F. Perform this task IAW applicable SOPs/Operations Maintenance and Repair Man MIL-B-28617B.

301.2.1 Identify equipment required for boom handling (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.2 Conduct the following:

a. Connect boom to Permanent Mooring System (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

b. Set up Containment Boom Mooring System (3 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

.3 Assist UT operator in deploying containment boom (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

301.2 TASKS (CONT'D)

301.2.2.4 Retrieve temporary boom for Permanent Mooring System (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.5 Retrieve Boom Mooring System (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.6 Retrieve and inspect containment boom (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.7 Rig boom for towing (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

Completed .2 area comprises 17 pts/17% of watchstation.

301.3 INFREQUENT TASKS

For the infrequent tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What means of communications are used?
E. What safety precautions must be observed?
F. What conditions require this infrequent task?
G. Perform or simulate this task IAW applicable NEESA 7-029 Base Contingency Plan

301.3.1 Boom around ship moored in the harbor

_____
(Signature) (Date)

.2 Boom around spills in the harbor

_____
(Signature) (Date)

Completed .3 area comprises 4 pts/4% of watchstation.

301.4 ABNORMAL CONDITIONS

For the abnormal conditions listed below:

A. What indications and reports are received?
B. What immediate action is required?
C. What are the probable causes?
D. What operating limitations are imposed?
E. What emergencies or malfunctions may occur if immediate action is not taken?
F. How does this condition affect other operations/ equipment/watchstations?
G. What follow-up action is required?
H. Perform or simulate the corrective/immediate action for this abnormal condition IAW applicable NAVFAC P-908.

301.4.1 Inclement weather

_____
(Signature) (Date)

.2 Tide/current conditions

_____
(Signature) (Date)

.3 High winds

_____
(Signature) (Date)

301.4 ABNORMAL CONDITIONS (CONT'D)

301.4 .4 Ship movement/in port traffic area

_____
(Signature) (Date)

.5 Fog

_____
(Signature) (Date)

.6 High/low tide

_____
(Signature) (Date)

Completed .4 area comprises 6 pts/6% of watchstation.

301.5 EMERGENCIES

For the emergency conditions listed below:

A. What indications and reports are received?
B. What immediate action is required?
C. What are the probable causes?
D. What operating limitations are imposed?
E. What other emergencies or malfunctions may occur if immediate action is not taken?
F. How does this emergency affect other operations/ equipment/watchstations?
G. Perform or simulate the immediate action for this emergency condition IAW NEESA 7-029/Operations Maintenance and Repair Man MIL-B-28617B

301.5.1 Oil loss due to damaged boom section

_____
(Signature) (Date)

.2 Anchoring System failure (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

Completed .5 area comprises 3 pts/3% of watchstation.

301.6 WATCHES

Stand the following watches under qualified supervision:

WATCH/SITUATION	SIGNATURE	DATE
Boom Handler (2 times)		

Completed .6 area comprises 40 pts/40% of watchstation.

301.7 EXAMINATIONS (Optional except as required by TYCOM/ ISIC, etc.)

301.7.1 EXAMINATIONS Pass a written examination

_____
(Signature/Date)

.2 EXAMINATIONS Pass an oral examination board

_____
(Signature/Date)

FINAL QUALIFICATION AS
DISPATCHER (FOR OIL SPILL)

NAME_____RATE/RANK_____

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This qualification section is to be maintained by the trainee and updated to ensure awareness of remaining tasks.

Trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified DISPATCHER (FOR OIL SPILL) (NAVEDTRA 43195-B).

RECOMMENDED_____DATE_____
(Supervisor)

RECOMMENDED_____DATE_____
(Division Officer)

RECOMMENDED_____DATE_____
(Department Head)

QUALIFIED_____DATE_____
(Commanding Officer or
Designated Representative)

SERVICE RECORD
ENTRY_____DATE_____

302 **WATCHSTATION -** DISPATCHER (FOR OIL SPILL) 302

Estimated completion time: 4 weeks

Total points this watchstation: 100

302.1 **PREREQUISITES**

Before starting your assigned tasks, complete the following:

302.1.1 **Watchstations From This PQS:**

301 Boom Handler

Completed_____
(Qualifier/Date)

FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING PQS ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT MUST BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.

302.2 TASKS

For the tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What means of communications are used?
E. What safety precautions must be observed?
F. Perform this task IAW applicable SOPs/Local Contingency Plan.

302.2.1 Receive and document proper information of Oil Spill Report (3 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

.2 Dispatch oil spill response team (3 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

302.2 TASKS (CONT'D)

302.2.3 Notify appropriate personnel IAW local instructions (3 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

.4 Monitor oil spill clean-up (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

Completed .2 area comprises 66 pts/66% of watchstation.

302.3 INFREQUENT TASKS - None to be discussed.

302.4 ABNORMAL CONDITIONS - None to be discussed.

302.5 EMERGENCIES - None to be discussed.

302.6 WATCHES

Stand the following watches under qualified supervision:

WATCH/SITUATION	SIGNATURE	DATE
Dispatcher (For Oil Spill) (4 times)		

Completed .6 area comprises 34 pts/34% of watchstation.

302.7	EXAMINATIONS	(Optional except as required by TYCOM/ ISIC, etc.)
302.7.1	EXAMINATIONS	Pass a written examination
		_____ (Signature/Date)
.2	EXAMINATIONS	Pass an oral examination board
		_____ (Signature/Date)

FINAL QUALIFICATION AS
UTILITY BOAT OPERATOR

NAME_____RATE/RANK_____

This page is to be used as a record of satisfactory completion of designated sections of the Personnel Qualification Standard (PQS). Only specified supervisors may signify completion of applicable sections either by written or oral examination, or by observation of performance. The examination or checkout need not cover every item; however, a sufficient number should be covered to demonstrate the examinee's knowledge. Should supervisors "give away" their signatures, unnecessary difficulties can be expected in future routine operations.

This qualification section is to be maintained by the trainee and updated to ensure awareness of remaining tasks.

Trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified UTILITY BOAT OPERATOR (NAVEDTRA 43195-B).

RECOMMENDED_____DATE_____
(Supervisor)

RECOMMENDED_____DATE_____
(Division Officer)

RECOMMENDED_____DATE_____
(Department Head)

QUALIFIED_____DATE_____
(Commanding Officer or
Designated Representative)

SERVICE RECORD
ENTRY_____DATE_____

WATCHSTATION - UTILITY BOAT OPERATOR

Estimated completion time: 4 weeks

Total points this watchstation: 100

303.1 **PREREQUISITES**

Before starting your assigned tasks, complete the following:

303.1.1 **Watchstation From This PQS:**

301 Boom Handler

Completed_____
(Qualifier/Date)

303.2 TASKS

For the tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What means of communications are used?
E. What safety precautions must be observed?
F. What parameters/operating limits must be monitored?
G. Perform this task IAW applicable SOPs.

303.2.1 Perform prestart checks (4 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

.2 Maneuver craft (4 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

303.2 TASKS (CONT'D)

303.2.3 Maneuver craft alongside/away from ship (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.4 Maneuver craft alongside pier port/starboard (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.5 Maneuver craft alongside another small craft (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.6 Conduct towing exercise:

a. Boom with bridle (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

b. Small craft

_____
(Signature) (Date)

.7 Anchor craft

_____
(Signature) (Date)

.8 Monitor all gauges (4 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

303.2 TASKS (CONT'D)

303.2.9 Submit Boat Report (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

Completed .2 area comprises 30 pts/30% of watchstation.

303.3 INFREQUENT TASKS

For the infrequent tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What means of communications are used?
E. What safety precautions must be observed?
F. What conditions require this infrequent task?
G. Perform or simulate this task IAW applicable SOPs/NEESA 7-029.

303.3.1 Reconnect open boom

_____
(Signature) (Date)

.2 Contain open harbor spill

_____
(Signature) (Date)

Completed .3 area comprises 10 pts/10% of watchstation.

303.4 ABNORMAL CONDITIONS

For the abnormal conditions listed below:

A. What indications and alarms are received?
B. What immediate action is required?
C. What are the probable causes?
D. What operating limitations are imposed?
E. What emergencies or malfunctions may occur if immediate action is not taken?
F. How does this condition affect other operations/ equipment/watchstations?
G. What follow-up action is required?
H. Perform or simulate the corrective/immediate action for this abnormal condition IAW applicable SOPs.

303.4.1 Fog

_____
(Signature) (Date)

.2 High/low tide

_____
(Signature) (Date)

.3 High winds

_____
(Signature) (Date)

.4 Tide current conditions

_____
(Signature) (Date)

.5 Ship movement/in port traffic

_____
(Signature) (Date)

Completed .4 area comprises 20 pts/20% of watchstation.

303.5 EMERGENCIES

For the emergency conditions listed below:

A. What indications and alarms are received?
B. What immediate action is required?
C. What are the probable causes?
D. What operating limitations are imposed?
E. What other emergencies or malfunctions may occur if immediate action is not taken?
F. How does this emergency affect other operations/ equipment/watchstations?
G. Perform or simulate the immediate action for this emergency condition IAW applicable SOPs/OPNAVINST 5100 Series.

303.5.1 Loss of steering

_____
(Signature) (Date)

.2 Engine casualty

_____
(Signature) (Date)

.3 Loss of communications

_____
(Signature) (Date)

.4 Fire

_____
(Signature) (Date)

.5 Flooding

_____
(Signature) (Date)

.6 Collision

_____
(Signature) (Date)

.7 Man overboard

_____
(Signature) (Date)

303.5 EMERGENCIES (CONT'D)

303.5.8 Personnel injury

_____
(Signature) (Date)

Completed .5 area comprises 20 pts/20% of watchstation.

303.6 WATCHES

Stand the following watches under qualified supervision:

WATCH/SITUATION	SIGNATURE	DATE
Utility Boat Operator (4 times)	_____	
	_____	
	_____	
	_____	

Completed .6 area comprises 20 pts/20% of watchstation.

303.7 EXAMINATIONS (Optional except as required by TYCOM/ ISIC, etc.)

303.7.1 EXAMINATIONS Pass a written examination of Rules of the Road

_____
(Signature/Date)

.2 EXAMINATIONS Pass an oral examination board

_____
(Signature/Date)

FINAL QUALIFICATION AS
WORK BOAT PLATFORM (31 FOOT) OPERATOR

NAME_____RATE/RANK_____

This page is to be used as a record of satisfactory completion of designated sections of the Personnel Qualification Standard (PQS). Only specified supervisors may signify completion of applicable sections either by written or oral examination, or by observation of performance. The examination or checkout need not cover every item; however, a sufficient number should be covered to demonstrate the examinee's knowledge. Should supervisors "give away" their signatures, unnecessary difficulties can be expected in future routine operations.

This qualification section is to be maintained by the trainee and updated to ensure awareness of remaining tasks.

Trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified WORK BOAT PLATFORM OPERATOR (31 FT) (NAVEDTRA 43195-B).

RECOMMENDED_____DATE_____
(Supervisor)

RECOMMENDED_____DATE_____
(Division Officer)

RECOMMENDED_____DATE_____
(Department Head)

QUALIFIED_____DATE_____
(Commanding Officer or
Designated Representative)

SERVICE RECORD
ENTRY_____DATE_____

WATCHSTATION - WORK BOAT PLATFORM (31 FOOT) OPERATOR

Estimated completion time: 4 weeks

Total points this watchstation: 100

304.1 **PREREQUISITES**

Before starting your assigned tasks, complete the following:

304.1.1 **Watchstation From This PQS:**

301 Boom Handler

Completed_____
(Qualifier/Date)

304.2 TASKS

For the tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What means of communications are used?
E. What safety precautions must be observed?
F. What parameters/operating limits must be monitored?
G. Perform this task IAW applicable SOPs.

304.2.1 Conduct prestart checks (4 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

.2 Maneuver craft from alongside/away from pier port/starboard (4 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

304.2 TASKS (CONT'D)

304.2.3 Maneuver craft alongside/away from ship port/starboard (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.4 Maneuver craft alongside another small craft (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.5 Conduct towing exercise

a. Boom with the bridle (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

b. Small craft

_____
(Signature) (Date)

.6 Maneuver craft with two engines (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.7 Maneuver craft with one engine (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.8 Monitor all gauges (4 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

304.2 TASKS (CONT'D)

304.2 .9 Submit Boat Report (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.10 Anchor craft (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

Completed .2 area comprises 30 pts/30% of watchstation.

304.3 INFREQUENT TASKS

For the infrequent tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What means of communications are used?
E. What safety precautions must be observed?
F. What conditions require this infrequent task?
G. Perform or simulate this task IAW applicable SOPs.

304.3.1 Reconnect open boom

_____
(Signature) (Date)

.2 Contain open harbor spill

_____
(Signature) (Date)

304.4 ABNORMAL CONDITIONS

For the abnormal conditions listed below:

A. What indications and alarms are received?
B. What immediate action is required?
C. What are the probable causes?
D. What operating limitations are imposed?
E. What emergencies or malfunctions may occur if immediate action is not taken?
F. How does this condition affect other operations/ equipment/watchstations?
G. What follow-up action is required?
H. Perform or simulate the corrective/immediate action for this abnormal condition IAW applicable SOPs.

304.4.1 Inclement weather

_____
(Signature) (Date)

.2 Fog

_____
(Signature) (Date)

.3 High/low tide

_____
(Signature) (Date)

.4 High winds

_____
(Signature) (Date)

Completed .4 area comprises 10 pts/10% of watchstation.

304.5 EMERGENCIES

For the emergency conditions listed below:

A. What indications and alarms are received?
B. What immediate action is required?
C. What are the probable causes?
D. What operating limitations are imposed?
E. What other emergencies or malfunctions may occur if immediate action is not taken?
F. How does this emergency affect other operations/ equipment/watchstations?
G. Perform or simulate the immediate action for this emergency condition IAW applicable SOPs/OMC Boat Information Book for Work Boat Platform 31ft.

304.5.1 Engine casualty

_____
(Signature) (Date)

.2 Fire

_____
(Signature) (Date)

.3 Loss of steering

_____
(Signature) (Date)

.4 Loss of communications

_____
(Signature) (Date)

.5 Flooding

_____
(Signature) (Date)

.6 Collision

_____
(Signature) (Date)

.7 Man overboard

_____
(Signature) (Date)

.8 Personnel injury

_____
(Signature) (Date)

Completed .5 area comprises 30 pts/30% of watchstation.

304.6 WATCHES

Stand the following watches under qualified supervision:

WATCH/SITUATION	SIGNATURE	DATE
Work Boat Platform Operator (4 times)		

Completed .6 area comprises 20 pts/20% of watchstation.

304.7 EXAMINATIONS (Optional except as required by TYCOM/ ISIC, etc.)

304.7.1 EXAMINATIONS Pass a written examination

_____
(Signature/Date)

.2 EXAMINATIONS Pass an oral examination board

_____
(Signature/Date)

FINAL QUALIFICATION AS
DYNAMIC INCLINED PLANE 3001 OIL SKIMMER SYSTEM CREWMAN

NAME_____RATE/RANK_____

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This qualification section is to be maintained by the trainee and updated to ensure awareness of remaining tasks.

Trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified DYNAMIC INCLINED PLANE 3001 OIL SKIMMER SYSTEM CREWMAN (NAVEDTRA 43195-B).

RECOMMENDED_____DATE_____
(Supervisor)

RECOMMENDED_____DATE_____
(Division Officer)

RECOMMENDED_____DATE_____
(Department Head)

QUALIFIED_____DATE_____
(Commanding Officer or
Designated Representative)

SERVICE RECORD
ENTRY_____DATE_____

305 **WATCHSTATION -** DYNAMIC INCLINED PLANE 3001 OIL SKIMMER SYSTEM CREWMAN 305

Estimated completion time: 4 weeks

Total points this watchstation: 100

305.1 **PREREQUISITES**

Before starting your assigned tasks, complete the following:

305.1.1 **PQS Qualification:**

Ship's Maintenance and Material Management (3M) (NAVEDTRA 43241-F), 301 Maintenance Person

Completed_____
(Qualifier/Date)

305.1.2 **Watchstation From This PQS:**

301 Boom Handler

Completed_____
(Qualifier/Date)

FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING PQS ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT MUST BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.

305.1.3 **Fundamentals From This PQS:**

106 Hydraulics and Pneumatics

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

107 Electrical and Mechanical

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

305.1.4 **System From This PQS:**

202 Dynamic Inclined Plane 3001 Skimmer

Completed_____ 15 pts/15% of Watchstation
(Qualifier/Date)

305.2 TASKS

For the tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What safety precautions must be observed?
E. Perform this task IAW applicable MRCs/JBF Training Manual.

305.2.1 Rig lines for towing/deployment (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.2 Serve as lookout during transit

_____
(Signature) (Date)

.3 Raise and lower sweeps

_____
(Signature) (Date)

.4 Adjust sluice gates (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.5 Remove debris from guard

_____
(Signature) (Date)

.6 Remove debris from collection well

_____
(Signature) (Date)

.7 Align system to pump:

a. Collection to storage tanks (3 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

305.2 TASKS (CONT'D)

305.2.7 b. Storage tanks to off-load (3 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

.8 Connect/disconnect discharge hoses (3 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

Completed .2 area comprises 25 pts/25% of watchstation.

305.3 INFREQUENT TASKS

For the infrequent tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What safety precautions must be observed?
E. What parameters must be monitored?
F. How are monitored parameters changed by this infrequent task?
G. What conditions require this infrequent task?
H. Perform or simulate this task IAW applicable MRCs/JBF Training Manual.

305.3.1 Assist in adjusting oil pickup belt tension (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.2 Assist in adjusting chain drive tension (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

305.3 INFREQUENT TASKS (CONT'D)

305.3 .3 Assist in adjusting belt wiper pressure (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.4 Assist in adjusting belt speed (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

Completed .3 area comprises 15 pts/15% of watchstation.

305.4 ABNORMAL CONDITIONS - None to be discussed.

305.5 EMERGENCIES

For the emergency conditions listed below:

A. What indications and alarms are received?
B. What immediate action is required?
C. What are the probable causes?
D. What operating limitations are imposed?
E. What other emergencies or malfunctions may occur if immediate action is not taken?
F. How does this emergency affect other operations/ equipment/watchstations?
G. Perform or simulate the immediate action for this emergency condition IAW applicable SOPs.

305.5.1 Collision

_____
(Signature) (Date)

.2 Fire

_____
(Signature) (Date)

.3 Flooding

_____
(Signature) (Date)

.4 Man Overboard

_____
(Signature) (Date)

.5 Personnel injury

_____
(Signature) (Date)

Completed .5 area comprises 15 pts/15% of watchstation.

305.6 WATCHES

Stand the following watches under qualified supervision:

WATCH/SITUATION	SIGNATURE	DATE
DIP 3001 Operator Assistant (4 times)		

Completed .6 area comprises 20 pts/20% of watchstation.

305.7 EXAMINATIONS (Optional except as required by TYCOM/ ISIC, etc.)

305.7.1 EXAMINATIONS Pass a written examination

_____
(Signature/Date)

.2 EXAMINATIONS Pass an oral examination board

_____
(Signature/Date)

FINAL QUALIFICATION AS
DYNAMIC INCLINED PLANE 3001 OIL SKIMMER SYSTEM OPERATOR

NAME_____RATE/RANK_____

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This qualification section is to be maintained by the trainee and updated to ensure awareness of remaining tasks.

Trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified DYNAMIC INCLINED PLANE 3001 OIL SKIMMER SYSTEM OPERATOR (NAVEDTRA 43195-B).

RECOMMENDED_____DATE_____
(Supervisor)

RECOMMENDED_____DATE_____
(Division Officer)

RECOMMENDED_____DATE_____
(Department Head)

QUALIFIED_____DATE_____
(Commanding Officer or
Designated Representative)

SERVICE RECORD
ENTRY_____DATE_____

WATCHSTATION - DYNAMIC INCLINED PLANE 3001 OIL SKIMMER SYSTEM OPERATOR

306

Estimated completion time: 4 weeks

Total points this watchstation: 100

306.1 **PREREQUISITES**

Before starting your assigned tasks, complete the following:

306.1.1 **School:**

DIP 3001 Skimmer Maintenance and Operations (RECOMMENDED)

Completed_____
(Qualifier/Date)

306.1.2 **Watchstation From This PQS:**

305 Dynamic Inclined Plane 3001 Oil Skimmer System Crewman

Completed_____
(Qualifier/Date)

306.2 TASKS

For the tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What safety precautions must be observed?
E. What parameters/operating limits must be monitored?
F. Perform this task IAW applicable MRCs/JBF Training Manual.

306.2.1 Conduct prestart checks (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.2 Start engine (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.3 Conduct engine checks (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

306.2 TASKS (CONT'D)

306.2.4 Operate inclined belt (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.5 Operate oil transfer system (3 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

.6 Operate water enhancement system (3 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

.7 Maneuvering (transit/skimming) (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.8 Operate in skimming modes:

a. Stationary (3 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

306.2 TASKS (CONT'D)

306.2.8 b. Moving V (power vane) (3 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

c. Normal (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.9 Operate debris crane and clamshell basket

_____
(Signature) (Date)

.10 Rig skimmer for towing (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.11 Secure skimming operations (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.12 Secure skimmer (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

Completed .2 area comprises 40 pts/40% of watchstation.

306.3 INFREQUENT TASKS

For the infrequent tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What safety precautions must be observed?
E. What parameters must be monitored?
F. How are monitored parameters changed by this infrequent task?
G. What conditions require this infrequent task?
H. Perform or simulate this task IAW applicable MRCs/JBF Training Manual.

306.3.1 Adjust oil pickup belt tension (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.2 Adjust chain drive tension (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.3 Adjust belt wiper pressure (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.4 Adjust belt speed (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

Completed .3 area comprises 10 pts/10% of watchstation.

306.4 ABNORMAL CONDITIONS

For the abnormal conditions listed below:

A. What indications and alarms are received?
B. What immediate action is required?
C. What are the probable causes?
D. What operating limitations are imposed?
E. What emergencies or malfunctions may occur if immediate action is not taken?
F. How does this condition affect other operations/ equipment/watchstations?
G. What follow-up action is required?
H. Perform or simulate the corrective/immediate action for this abnormal condition IAW applicable MRCs/JBF Training Manual.

306.4.1 Engine overheating

_____
(Signature) (Date)

.2 Clogged pump

_____
(Signature) (Date)

.3 Jammed belt chain drive

_____
(Signature) (Date)

.4 Inoperable oil belt (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.5 Inoperable oil transfer pump (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.6 Inoperable debris handling equipment (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

Completed .4 area comprises 10 pts/10% of watchstation.

306.5 EMERGENCIES

For the emergency conditions listed below:

A. What indications and alarms are received?
B. What immediate action is required?
C. What are the probable causes?
D. What operating limitations are imposed?
E. What other emergencies or malfunctions may occur if immediate action is not taken?
F. How does this emergency affect other operations/ equipment/watchstations?
G. Perform or simulate the immediate action for this emergency condition IAW applicable MRCs/JBF Training Manual.

306.5.1 Diesel engine stalled (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

306.5 EMERGENCIES (CONT'D)

306.5.2 Loss of electrical power (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.3 Shifting linkage/transmission failure (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.4 Loss of Hydraulic System (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.5 Loss of Propulsion System (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.6 Loss of Steering System (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.7 Flooding

_____
(Signature) (Date)

.8 Fire

_____
(Signature) (Date)

.9 Collision

_____
(Signature) (Date)

.10 Man overboard

_____
(Signature) (Date)

306.5 EMERGENCIES (CONT'D)

306.5.11 Personnel injury

_____

(Signature) (Date)

Completed .5 area comprises 30 pts/30% of watchstation.

306.6 WATCHES

Stand the following watches under qualified supervision:

WATCH/SITUATION	SIGNATURE	DATE
DIP 3001 Operator (4 times)		

Completed .6 area comprises 10 pts/10% of watchstation.

306.7 EXAMINATIONS (Optional except as required by TYCOM/ ISIC, etc.)

306.7.1 EXAMINATIONS Pass a written examination

_____

(Signature/Date)

.2 EXAMINATIONS Pass an oral examination board

_____

(Signature/Date)

FINAL QUALIFICATION AS
OIL SPILL CONTROL BILGE SERVICE SYSTEM OPERATOR

NAME_____RATE/RANK_____

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This qualification section is to be maintained by the trainee and updated to ensure awareness of remaining tasks.

Trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified OIL SPILL CONTROL BILGE SERVICE SYSTEM OPERATOR (NAVEDTRA 43195-B).

RECOMMENDED_____DATE_____
(Supervisor)

RECOMMENDED_____DATE_____
(Division Officer)

RECOMMENDED_____DATE_____
(Department Head)

QUALIFIED_____DATE_____
(Commanding Officer)

SERVICE RECORD ENTRY_____DATE_____
(Personnel Officer)

307 **WATCHSTATION** - OIL SPILL CONTROL BILGE SERVICE SYSTEM OPERATOR 307

Estimated completion time: 4 weeks

Total points this watchstation: 100

307.1 **PREREQUISITES**

FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING PQS ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT MUST BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.

307.1.1 **Fundamentals From This PQS:**

101 Safety Precautions

Completed_____ 6 pts/6% of Watchstation
(Qualifier/Date)

104 Oil Recovery Equipment

Completed_____ 6 pts/6% of Watchstation
(Qualifier/Date)

105 Rules of the Road for Craft Handling and Towing

Completed_____ 6 pts/6% of Watchstation
(Qualifier/Date)

106 Hydraulics and Pneumatics

Completed_____ 6 pts/6% of Watchstation
(Qualifier/Date)

107 Electrical and Mechanical

Completed_____ 6 pts/6% of Watchstation
(Qualifier/Date)

307.1.2 **Systems From This PQS:**

203 Waste Oil Raft (DONUT)

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

204 Ship's Waste Off-Load Barge (SWOB)

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

307.2 TASKS

For the tasks listed below:

A. What are the steps of this procedure?
B. What control/coordination is required?
C. What means of communications are used?
D. What safety precautions must be observed?
E. What parameters/operating limits must be monitored?
F. Perform this task IAW NAVFAC MO-350, Standard Operational Manual for the Waste Oil Raft (DONUT)/NAVFAC MO-909, Ship's Waste Off-Load Barge (SWOB) Operation and Maintenance.

		A	B	C	D	E	F
307.2.1	Conduct prestart checks (SWOB)	X	X	X	X		X
	_____ (Signature) _____ (Date)						
.2	Start diesel generator (SWOB)	X	X	X	X	X	X
	_____ (Signature) _____ (Date)						
.3	Bring generator to proper cycle (SWOB)	X	X	X	X	X	X
	_____ (Signature) _____ (Date)						
.4	Energize power panel (SWOB)	X	X	X	X		X
	_____ (Signature) _____ (Date)						
.5	Check tank levels	X		X	X	X	X
	_____ (Signature) _____ (Date)						
.6	Align valves for pumping	X	X	X	X		X
	_____ (Signature) _____ (Date)						
.7	Shutdown SWOB	X	X	X	X	X	X
	_____ (Signature) _____ (Date)						
.8	Operate SWOB with shore power	X	X	X	X	X	X
	_____ (Signature) _____ (Date)						
.9	Receive oil water emulsion from a ship with SWOB	X	X	X	X	X	X
	_____ (Signature) _____ (Date)						

307.2 TASKS (CONT'D)

		A	B	C	D	E	F
307.2.10	Display appropriate signals/signs for SWOB operation	X	X	X	X		X

_____
(Signature) (Date)

.11	Conduct visual inspection of components/ accessories	X			X	X	X

_____
(Signature) (Date)

.12	Receive oily waste discharge from ship (DONUT)	X	X	X	X	X	X

_____
(Signature) (Date)

.13	Recover collected oil from DONUT	X	X	X	X	X	X

_____
(Signature) (Date)

Completed .2 area comprises 40 pts/40% of watchstation.

307.3 INFREQUENT TASKS - None to be discussed.

307.4 ABNORMAL CONDITIONS - None to be discussed.

307.5 EMERGENCIES

For the emergency conditions listed below:

A. What indications and alarms are received?
B. What immediate action is required?
C. What are the probable causes?
D. What operating limitations are imposed?
E. What other emergencies or malfunctions may occur if immediate action is not taken?
F. Perform or simulate the immediate action for this emergency condition IAW NAVFAC MO-350, Standard Operational Manual for the Waste Oil Raft (DONUT)/NAVFAC MO-909, Ship's Waste Off-Load Barge (SWOB) Operation and Maintenance.

307.5.1 Loss of diesel generator (SWOB)

_____
(Signature) (Date)

.2 DONUT rises out of water and becomes unstable

_____
(Signature) (Date)

.3 Ruptured fuel hose

_____
(Signature) (Date)

.4 Improper load distribution (SWOB)

_____
(Signature) (Date)

Completed .5 area comprises 5 pts/5% of watchstation.

307.6 WATCHES

Stand the following watches under qualified supervision:

WATCH/SITUATION	SIGNATURE	DATE
Oil Spill Control Bilge Service System Operator (5 times)		

Completed .6 area comprises 15 pts/15% of watchstation.

307.7 EXAMINATIONS (Optional except as required by TYCOM/ISIC, etc.)

307.7.1 EXAMINATIONS Pass a written examination

_____
(Signature/Date)

.2 EXAMINATIONS Pass an oral examination board

_____
(Signature/Date)

FINAL QUALIFICATION AS
VACUUM TRUCK OPERATOR

NAME_____RATE/RANK_____

This page is to be used as a record of satisfactory completion of designated sections of the Personnel Qualification Standard (PQS). Only specified supervisors may signify completion of applicable sections either by written or oral examination, or by observation of performance. The examination or checkout need not cover every item; however, a sufficient number should be covered to demonstrate the examinee's knowledge. Should supervisors "give away" their signatures, unnecessary difficulties can be expected in future routine operations.

This qualification section is to be maintained by the trainee and updated to ensure awareness of remaining tasks.

Trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified VACUUM TRUCK OPERATOR (NAVEDTRA 43195-B).

RECOMMENDED_____DATE_____
(Supervisor)

RECOMMENDED_____DATE_____
(Division Officer)

RECOMMENDED_____DATE_____
(Department Head)

QUALIFIED_____DATE_____
(Commanding Officer or
Designated Representative)

SERVICE RECORD
ENTRY_____DATE_____

WATCHSTATION - VACUUM TRUCK OPERATOR

Estimated completion time: 6 weeks

Total points this watchstation: 100

308.1 PREREQUISITES

Before starting your assigned tasks, complete the following:

FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING PQS ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT MUST BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.

308.1.1 Fundamentals From This PQS:

101 Safety Precautions

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

103 Oil Recovery

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

104 Oil Recovery Equipment

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

106 Hydraulics and Pneumatics

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

107 Electrical and Mechanical

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

109 Hazardous Waste Disposal and Control

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

203 Waste Oil Raft (DONUT)

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

308.1.2 **Systems From This PQS:**

204 Ship's Waste Off-Load Barge (SWOB)

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

205 Vacuum Truck

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

308.2 TASKS

For the tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What safety precautions must be observed?
E. What parameters/operating limits must be monitored?
F. Perform this task IAW applicable SOPs/Dominator Manual.

308.2.1 Conduct daily prestart checks (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.2 Operate vacuum pump (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.3 Flush vacuum pump (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.4 Assemble skimmer (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.5 Operate skimmer (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

308.2 TASKS (CONT'D)

308.2.6 Secure skimmer (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

Completed .2 area comprises 36 pts/36% of watchstation.

308.3 INFREQUENT TASKS - None to be discussed.

308.4 ABNORMAL CONDITIONS - None to be discussed.

308.5 EMERGENCIES

For the emergency conditions listed below:

A. What indications and alarms are received?
B. What immediate action is required?
C. What are the probable causes?
D. What operating limitations are imposed?
E. What other emergencies or malfunctions may occur if immediate action is not taken?
F. How does this emergency affect other operations/ equipment/watchstations?
G. Perform or simulate the immediate action for this emergency condition IAW applicable SOPs/Dominator Manual.

308.5.1 Ruptured hose (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.2 Loss of vacuum (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.3 Skimmer sinking (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

308.5 EMERGENCIES (CONT'D)

308.5 .4 Power take off failure (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.5 Over heating hydraulic reservoir tank (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

Completed .5 area comprises 10 pts/10% of watchstation.

308.6 WATCHES

Stand the following watches under qualified supervision:

WATCH/SITUATION	SIGNATURE	DATE
Vacuum Truck Operator (3 times)		

Completed .6 area comprises 9 pts/9% of watchstation.

308.7 EXAMINATIONS (Optional except as required by TYCOM/ ISIC, etc.)

308.7.1 EXAMINATIONS Pass a written examination

_____
(Signature/Date)

.2 EXAMINATIONS Pass an oral examination board

_____
(Signature/Date)

FINAL QUALIFICATION AS
OIL SPILL CLEANUP SUPERVISOR

NAME_____RATE/RANK_____

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This qualification section is to be maintained by the trainee and updated to ensure awareness of remaining tasks.

Trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified OIL SPILL CLEANUP SUPERVISOR (NAVEDTRA 43195-B).

RECOMMENDED_____DATE_____
(Supervisor)

RECOMMENDED_____DATE_____
(Division Officer)

RECOMMENDED_____DATE_____
(Department Head)

QUALIFIED_____DATE_____
(Commanding Officer or
Designated Representative)

SERVICE RECORD
ENTRY_____DATE_____

309 **WATCHSTATION -** OIL SPILL CLEANUP SUPERVISOR 309

Estimated completion time: 5 weeks

Total points this watchstation: 100

309.1 **PREREQUISITES**

Before starting your assigned tasks, complete the following:

309.1.1 **School:**

On Scene Operations Team Course (RECOMMENDED)

Completed_____
(Qualifier/Date)

FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING PQS ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT MUST BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.

309.1.2 **Watchstations From This PQS:**

302 Dispatcher (For Oil Spill)

Completed_____
(Qualifier/Date)

303 Utility Boat Operator

Completed_____
(Qualifier/Date)

304 Work Boat Platform (31 Foot) Operator

Completed_____
(Qualifier/Date)

306 Dynamic Inclined Plane 3001 Oil Skimmer Operator

Completed_____
(Qualifier/Date)

309.1.3 **Fundamentals From This PQS:**

102 Organization

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

108 Logs, Records, and Reports

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

309.1.4 **Systems From This PQS:**

203 Waste Oil Raft (DONUT)

Completed_____
(Qualifier/Date)

204 Ship's Waste Off-Load Barge

Completed_____
(Qualifier/Date)

309.2 TASKS

For the tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What means of communications are used?
E. What safety precautions must be observed?
F. Perform this task IAW applicable SOPs/NAVFAC 908 Local Contingency Plan.

309.2.1 Observe on-scene operations Team Supervisor (3 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

.2 Establish and maintain a communication system (3 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

.3 Observe the operation of all oil spill cleanup equipment (4 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

309.2 TASKS (CONT'D)

309.2.4 Maintain records and reports (4 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

.5 Discuss the Local Oil Spill Contingency Plan (3 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

.6 Trace/discuss the oil spill on-scene chain of command (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.7 Observe cleanup and storage of equipment (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.8 Ensure proper disposal of hazardous waste

_____
(Signature) (Date)

Completed .2 area comprises 70 pts/70% of watchstation.

309.3 INFREQUENT TASKS - None to be discussed.

309.4 ABNORMAL CONDITIONS - None to be discussed.

309.5 EMERGENCIES - None to be discussed.

309.6 WATCHES

Stand the following watches under qualified supervision:

WATCH/SITUATION	SIGNATURE	DATE
Oil Spill Cleanup Supervisor (4 times)		

Completed .6 area comprises 20 pts/20% of watchstation.

309.7 EXAMINATIONS (Optional except as required by TYCOM/ ISIC, etc.)

309.7.1 EXAMINATIONS Pass a written examination

_____
(Signature/Date)

.2 EXAMINATIONS Pass an oral examination board

_____
(Signature/Date)

FINAL QUALIFICATION AS
SHIP'S FORCE OIL AND HAZARDOUS MATERIAL SPILL TEAM MEMBER

NAME_____RATE/RANK_____

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This qualification section is to be maintained by the trainee and updated to ensure awareness of remaining tasks.

Trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified SHIP'S FORCE OIL AND HAZARDOUS MATERIAL SPILL TEAM MEMBER (NAVEDTRA 43195-B).

RECOMMENDED_____DATE_____
(Supervisor)

RECOMMENDED_____DATE_____
(Division Officer)

RECOMMENDED_____DATE_____
(Department Head)

QUALIFIED_____DATE_____
(Commanding Officer or
Designated Representative)

SERVICE RECORD
ENTRY_____DATE_____

310 **WATCHSTATION -** SHIP'S FORCE OIL AND HAZARDOUS MATERIAL SPILL TEAM MEMBER 310

Estimated completion time: 4 weeks

Total points this watchstation: 100

310.1 **PREREQUISITES**

Before starting your assigned tasks, complete the following:

FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING PQS ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT MUST BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.

310.1.1 **Fundamentals From This PQS:**

101 Safety Precautions

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

103 Oil Recovery

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

104 Oil Recovery Equipment

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

109 Hazardous Waste Disposal and Control

Completed_____ 5 pts/5% of Watchstation
(Qualifier/Date)

310.2 TASKS

For the tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What means of communications are used?
E. What safety precautions must be observed?
F. Perform this task IAW applicable SOPs.

310.2.1 Report oil spill discharge (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

310.2 TASKS (CONT'D)

310.2 .2 Locate oil spill kit (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

_____
(Signature) (Date)

.3 Identify contents of material in kit (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.4 Demonstrate use of material in kit (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.5 Demonstrate how to contain oil spill with:

a. Fire hose (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

b. Absorbent boom

_____
(Signature) (Date)

c. Small boat

_____
(Signature) (Date)

d. Absorbent pads

_____
(Signature) (Date)

e. Bucket and swobs

_____
(Signature) (Date)

Completed .2 area comprises 70 pts/70% of watchstation.

310.3 INFREQUENT TASKS - None to be discussed.

310.4 ABNORMAL CONDITIONS - None to be discussed.

310.5 EMERGENCIES - None to be discussed.

310.6 WATCHES

Stand the following watches under qualified supervision:

WATCH/SITUATION	SIGNATURE	DATE
Ship's Force Oil Spill Team Member (3 times)		

Completed .6 area comprises 10 pts/10% of watchstation.

310.7 EXAMINATIONS (Optional except as required by TYCOM/ ISIC, etc.)

310.7.1 EXAMINATIONS Pass a written examination

_____
(Signature/Date)

.2 EXAMINATIONS Pass an oral examination board

_____
(Signature/Date)

FINAL QUALIFICATION AS
SHIP'S FORCE OIL AND HAZARDOUS MATERIAL SPILL TEAM LEADER

NAME_____RATE/RANK_____

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This qualification section is to be maintained by the trainee and updated to ensure awareness of remaining tasks.

Trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified SHIP'S FORCE OIL AND HAZARDOUS MATERIAL SPILL TEAM LEADER (NAVEDTRA 43195-B).

RECOMMENDED_____DATE_____
(Supervisor)

RECOMMENDED_____DATE_____
(Division Officer)

RECOMMENDED_____DATE_____
(Department Head)

QUALIFIED_____DATE_____
(Commanding Officer or
Designated Representative)

SERVICE RECORD
ENTRY_____DATE_____

311 **WATCHSTATION -** SHIP'S FORCE OIL AND HAZARDOUS MATERIAL SPILL TEAM LEADER 311

Estimated completion time: 4 weeks

Total points this watchstation: 100

311.1 **PREREQUISITES**

Before starting your assigned tasks, complete the following:

311.1.1 **School:**

Afloat Environmental Protection Coordinator Course (A-4J-0021) (RECOMMENDED)

Completed_____
(Qualifier/Date)

311.1.2 **Watchstation From This PQS:**

310 Ship's Force Oil Spill Team Member

Completed_____
(Qualifier/Date)

FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING PQS ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT MUST BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.

311.1.3 **Fundamental From This PQS:**

102 Organization

Completed_____ 10 pts/10% of Watchstation
(Qualifier/Date)

311.2 TASKS

For the tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What means of communications are used?
E. What safety precautions must be observed?
F. Perform this task IAW applicable SOPs/Ship Oil and Hazardous Material Spill Contingency Plans.

311.2.1 Utilize Ship's Oil and Hazardous Material Spill Contingency Plans (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

Completed .2 area comprises 60 pts/60% of watchstation.

311.3 INFREQUENT TASKS - None to be discussed.

311.4 ABNORMAL CONDITIONS - None to be discussed.

311.5 EMERGENCIES - None to be discussed.

311.6 WATCHES

Stand the following watches under qualified supervision:

WATCH/SITUATION	SIGNATURE	DATE
Ship's Force Oil Spill Team Leader (2 times)	_____	
	_____	

Completed .6 area comprises 30 pts/30% of watchstation.

311.7 EXAMINATIONS (Optional except as required by TYCOM/ ISIC, etc.)

311.7.1 EXAMINATIONS Pass a written examination

_____
(Signature/Date)

.2 EXAMINATIONS Pass an oral examination board

_____
(Signature/Date)

FINAL QUALIFICATION AS
ENGINEER DUTY OFFICER (EDO)

NAME_____RATE/RANK_____

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This qualification section is to be maintained by the trainee and updated to ensure awareness of remaining tasks.

Trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified ENGINEER DUTY OFFICER (NAVEDTRA 43195-B).

RECOMMENDED_____DATE_____
(Supervisor)

RECOMMENDED_____DATE_____
(Division Officer)

RECOMMENDED_____DATE_____
(Department Head)

QUALIFIED_____DATE_____
(Commanding Officer or
Designated Representative)

SERVICE RECORD
ENTRY_____DATE_____

312 **WATCHSTATION -** ENGINEER DUTY OFFICER (FOR OIL SPILL) 312

Estimated completion time: 4 weeks

Total points this watchstation: 100

312.1 **PREREQUISITES**

Before starting your assigned tasks, complete the following:

FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING PQS ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT MUST BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.

312.1.1 **School:**

Afloat Environmental Protection Coordinator Course (A-4J-0021) (RECOMMENDED)

Completed_____
(Qualifier/Date)

312.1.2 **Fundamentals From This PQS:**

101 Safety Precautions

Completed_____ 10 pts/10% of Watchstation
(Qualifier/Date)

102 Organization

Completed_____ 10 pts/10% of Watchstation
(Qualifier/Date)

104 Oil Recovery Equipment

Completed_____ 10 pts/10% of Watchstation
(Qualifier/Date)

108 Logs, Records, and Reports

Completed_____ 10 pts/10% of Watchstation
(Qualifier/Date)

109 Hazardous Waste Disposal and Control

Completed_____ 10 pts/10% of Watchstation
(Qualifier/Date)

312.2 TASKS

For the tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What means of communications are used?
E. What safety precautions must be observed?
F. Perform this task IAW applicable SOPs/Ship Board Oil Spill Recovery Plan.

312.2.1 Utilize Ship's Oil Recovery Plan (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.2 Coordinate with port services Oil Spill Response Team Supervisor (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

.3 Oversee clean up and disposal of hazardous waste material (2 times)

_____
(Signature) (Date)

_____
(Signature) (Date)

Completed .2 area comprises 48 pts/48% of watchstation.

312.3 INFREQUENT TASKS - None to be discussed.

312.4 ABNORMAL CONDITIONS - None to be discussed.

312.5 EMERGENCIES - None to be discussed.

312.6 WATCHES

Stand the following watches under qualified supervision:

WATCH/SITUATION	SIGNATURE	DATE
Engineer Duty Officer (EDO) (2 times)	_____	
	_____	

Completed .6 area comprises 2 pts/2% of watchstation.

312.7 EXAMINATIONS (Optional except as required by TYCOM/ ISIC, etc.)

312.7.1 EXAMINATIONS Pass a written examination

_____
(Signature/Date)

.2 EXAMINATIONS Pass an oral examination board

_____
(Signature/Date)

FINAL QUALIFICATION SECTION FOR
OIL SPILL CONTROL AND REMOVAL EQUIPMENT

NAME_____RATE/RANK_____

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This qualification page is to be maintained by the trainee and updated to ensure awareness of remaining tasks.

WATCH QUAL	WORK CENTER SUPERVISOR	DIVISION OFFICER	DEPARTMENT HEAD	CO *OR* DESIG REP	PAGE 4 ENTRY
301	BOOM HANDLER				
INITIAL					
DATE					
302	DISPATCHER (FOR OIL SPILL)				
INITIAL					
DATE					
303	UTILITY BOAT OPERATOR				
INITIAL					
DATE					
304	WORK BOAT PLATFORM (31 FOOT) OPERATOR				
INITIAL					
DATE					

OIL SPILL CONTROL AND REMOVAL EQUIPMENT (CONT'D)

WATCH QUAL	WORK CENTER SUPERVISOR	DIVISION OFFICER	DEPARTMENT HEAD	CO *OR* DESIG REP	PAGE 4 ENTRY
305	DYNAMIC INCLINED PLANE 3001 OIL SKIMMER SYSTEM CREWMAN				
INITIAL_____	_____	_____	_____	_____	
DATE _____	_____	_____	_____	_____	
306	DYNAMIC INCLINED PLANE 3001 OIL SKIMMER SYSTEM OPERATOR				
INITIAL_____	_____	_____	_____	_____	
DATE _____	_____	_____	_____	_____	
307	OIL SPILL CONTROL BILGE SERVICE SYSTEM OPERATOR				
INITIAL_____	_____	_____	_____	_____	
DATE _____	_____	_____	_____	_____	
308	VACUUM TRUCK OPERATOR				
INITIAL_____	_____	_____	_____	_____	
DATE _____	_____	_____	_____	_____	
309	OIL SPILL CLEAN UP SUPERVISOR				
INITIAL_____	_____	_____	_____	_____	
DATE _____	_____	_____	_____	_____	
310	SHIP'S FORCE OIL SPILL TEAM MEMBER				
INITIAL_____	_____	_____	_____	_____	
DATE _____	_____	_____	_____	_____	

OIL SPILL CONTROL AND REMOVAL EQUIPMENT (CONT'D)

WATCH QUAL	WORK CENTER SUPERVISOR	DIVISION OFFICER	DEPARTMENT HEAD	CO *OR* DESIG REP	PAGE 4 ENTRY
311	SHIP'S FORCE OIL SPILL TEAM LEADER				
INITIAL					
DATE					

WATCH QUAL	WORK CENTER SUPERVISOR	DIVISION OFFICER	DEPARTMENT HEAD	CO *OR* DESIG REP	PAGE 4 ENTRY
312	ENGINEER DUTY OFFICER (EDO)				
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REFERENCES USED IN THIS PQS

COMDTINST M16672.2, Navigation Rules International-Inland Instruction Manual
Dominator Operator Handbook
MIL-B-28617B, Operations Maintenance and Repair Manual
NAVEDTRA 10101, Boatswain Mate
NAVEDTRA 10539, Engineman 3
NAVEDTRA 12001, Fireman
NAVFAC ILSP-001B, Integrated Logistic Support Plan for Harbor Oil Pollution Control Equipment
NAVFAC MO-350, Standard Operational Manual for Waste Oil Raft
NAVFAC MO-909, Oil Ship's Waste Off-Load Barge (SWOB) Operation
NAVFAC P-908, Oil Spill Control Manual for Inland Waters and Harbors
NAVSUP Pub. 558, Fuel Management Ashore
NEESA 7-029, Oil Spill Contingency Planning Manual
OPNAVINST 5090.1B, Environmental and Natural Resources Program Manual
OPNAVINST 5090.1B, Navy Environmental and Natural Resources Program Manual
OPNAVINST 5100.19C, Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
S0300-A6-MAN-050, U.S. Navy Ship's Salvage Manual
S0300-A6-MAN-060, U.S. Navy Ship's Salvage Manual
Ship Operating Procedures (SOP) or Local Instructions
Technical Manual, Overhaul Procedures for Dynamic Inclined Plane (DIP) Model 3001 Oil Skimmer
Training Manual, Model 3001 Dynamic Inclined Plane (DIP) Oil Skimmer System (Rev 8-80)

Personnel Qualifications Standard
Feedback Report
PQSDEVGRU DSN 922-1402

From_____Date_____

Via_____Date_____
Department Head

Activity_____

Mailing Address_____

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PQS Title_____NAVEDTRA_____

Section Affected_____

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Remarks/Recommendations (Use additional sheets if necessary):

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