

**6.R Sector R. Ship and Boat Building and Repairing Yards**

**6.R.1 Covered Storm Water Discharges**

The requirements in 6.R apply to storm water discharges associated with industrial activity from Ship and Boat Building or Repair Yards as identified by the SIC Codes specified in Table 1 of Part 1 of this MSGP for Sector R facilities. You must comply with the Part 6 sector-specific requirements associated with your primary industrial activity and any co-located industrial activities as defined in Part 12. The sector-specific requirements apply to those areas of your facility where those sector-specific activities occur.

**6.R.2 Industrial Activities Covered by Sector R**

The SIC codes covered under Sector R are:

3731, 3732

The types of activities that permittees under Sector R are primarily engaged in are:

6.R.2.1 ship building and repairing and boat building and repairing<sup>1</sup>

**6.R.3 Coverage Under This Permit**

<b>Table R.1 – SECTOR-SPECIFIC COVERAGE UNDER THIS PERMIT</b>	
<b>Part of Permit Affected</b>	<b>Supplemental Requirements</b> <i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 1 of the MSGP.</i>
1.2.3.1	<b>6.R.3.1 Discharges Mixed with Non-Storm Water.</b> Discharges containing bilge and ballast water, pressure wash water, sanitary wastes, and cooling water originating from vessels are not authorized by this permit.

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<sup>1</sup>According to the U.S. Coast Guard, a vessel 65 feet or greater in length is referred to as a ship, and a vessel smaller than 65 feet is a boat.

**6.R.4 Storm Water Pollution Prevention Plan Requirements**

<b>Table R.2 – SECTOR SPECIFIC SWPPP REQUIREMENTS</b>	
<b>Part of Permit Affected</b>	<b>Supplemental Requirements</b> <i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 4 of the MSGP.</i>
4.2.2	<b>6.R.4.1 Drainage Area Site Map.</b> Document in your SWPPP where any of the following may be exposed to precipitation or surface runoff: fueling; engine maintenance and repair; vessel maintenance or repair; pressure washing; painting; sanding; blasting; welding; metal fabrication; loading and unloading areas; treatment, storage and waste disposal areas; liquid storage tanks; liquid storage areas (e.g., paint, solvents, resins), and material storage areas (e.g., blasting media, aluminum, steel, scrap iron).
4.2.3	<b>6.R.4.2 Potential Pollutant Sources.</b> Document in your SWPPP the following additional sources and activities that have potential pollutants associated with them (if applicable): outdoor manufacturing or processing activities (e.g., welding, metal fabricating) and significant dust or particulate generating processes (e.g., abrasive blasting, sanding, and painting).
4.2.9.2	<b>6.R.4.3 Good Housekeeping Measures</b>
1.2.3.1	<b>6.R.4.3.1 Pressure Washing Area.</b> If pressure washing is used to remove marine growth from vessels, the discharged water must be permitted as a process wastewater by a separate LPDES permit.
4.2.8 4.2.9.1	<b>6.R.4.3.2 Blasting and Painting Areas.</b> Minimize the potential for spent abrasives, paint chips, and overspray to discharging into the receiving water or the storm sewer systems. Consider containing all blasting and painting activities, or use other measures to prevent the discharge of the contaminants (e.g., hanging plastic barriers or tarpaulins during blasting or painting operations to contain debris). When necessary, regularly clean storm water conveyances of deposits of abrasive blasting debris and paint chips.
4.2.8 4.2.9.1	<b>R.4.3.3 Blasting and Painting Areas.</b> Document in the SWPPP any standard operating practices relating to blasting and painting (e.g., prohibiting uncontained blasting and painting over open water or prohibiting blasting and painting during windy conditions, which can render containment ineffective).
4.2.8 4.2.9.1	<b>6.R.4.3.4 Material Storage Areas.</b> Store and plainly label all containerized materials (e.g., fuels, paints, solvents, waste oil, antifreeze, batteries) in a protected, secure location away from drains. Minimize the contamination of precipitation or surface runoff from the storage areas. If abrasive blasting is performed, discuss the storage and disposal of spent abrasive materials generated at the facility. Consider implementing an inventory control plan to limit the presence of potentially hazardous materials onsite.
4.2.8 4.2.9.1	<b>6.R.4.3.5 Material Storage Areas.</b> Specify in your SWPPP which materials are stored indoors, and consider containment or enclosure for those materials stored outdoors.

<b>Table R.2 – SECTOR SPECIFIC SWPPP REQUIREMENTS</b>	
<b>Part of Permit Affected</b>	<b>Supplemental Requirements</b> <i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 4 of the MSGP.</i>
4.2.8 4.2.9.1	<b>6.R.4.3.6 Engine Maintenance and Repair Areas.</b> Minimize the contamination of precipitation or surface runoff from all areas used for engine maintenance and repair. Consider the following (or their equivalents): performing all maintenance activities indoors; maintaining an organized inventory of materials used in the shop; draining all parts of fluid prior to disposal; prohibiting the practice of hosing down the shop floor; using dry cleanup methods; and treating and/or recycling storm water runoff collected from the maintenance area.
4.2.8 4.2.9.1	<b>6.R.4.3.7 Material Handling Area.</b> Minimize the contamination of precipitation or surface runoff from material handling operations and areas (e.g., fueling, paint and solvent mixing, disposal of process wastewater streams from vessels). Consider the following (or their equivalents): covering fueling areas, using spill and overflow protection, mixing paints and solvents in a designated area (preferably indoors or under a shed), and minimizing storm water run-on to material handling areas.
4.2.8 4.2.9.1	<b>6.R.4.3.8 Drydock Activities.</b> Routinely maintain and clean the drydock to minimize pollutants in storm water runoff. Clean accessible areas of the drydock prior to flooding and final cleanup following removal of the vessel and raising the dock. Include procedures for cleaning up oil, grease, or fuel spills occurring on the drydock. Consider the following (or their equivalents): sweeping rather than hosing off debris and spent blasting material from accessible areas of the drydock prior to flooding, and having absorbent materials and oil containment booms readily available to contain and clean up any spills.
4.2.9.3	<b>6.R.4.9 Preventative Maintenance.</b> As part of your preventative maintenance program, perform timely inspection and maintenance of storm water management devices (e.g., cleaning oil and water separators and sediment traps to ensure that spent abrasives, paint chips, and solids will be intercepted and retained prior to entering the storm drainage system), as well as inspecting and testing facility equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters.
4.2.6	<b>6.R.4.10 Additional Inspections Requirements.</b> (See also Part 4.10) The following areas must be included in all quarterly routine facility inspections: pressure washing area; blasting, sanding, and painting areas; material storage areas; engine maintenance and repair areas; material handling areas; drydock area; and general yard area.

<b>Table R.2 – SECTOR SPECIFIC SWPPP REQUIREMENTS</b>	
<b>Part of Permit Affected</b>	<b>Supplemental Requirements</b> <i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 4 of the MSGP.</i>
4.2.9.9	<b>6.R.4.11 Employee Training.</b> As part of your employee training program, address, at a minimum, the following activities (as applicable): used oil management; spent solvent management; disposal of spent abrasives; disposal of vessel wastewaters; spill prevention and control; fueling procedures; general good housekeeping practices; painting and blasting procedures; and used battery management.

**6.R.5 Additional Monitoring**

<b>Table R.3 – SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS and BENCHMARK MONITORING</b>			
<b>Part of Permit Affected/Supplemental Requirements</b> <i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 5 of the MSGP.</i>			
<b>Subsector</b> <b>(You may be subject to requirements for more than one sector/subsector.)</b>	<b>Parameter</b>	<b>Benchmark Monitoring Concentration<sup>1</sup></b>	<b>Numeric Limitation<sup>2</sup></b>
Ship and Boat Building or Repairing Yards (3731, 3732)	Total Organic Carbon (TOC)	---	50 mg/L daily max
	Oil & Grease	---	15 mg/L daily max

<sup>1</sup> Monitor once/quarter for the year 2 and year 4 monitoring years (see 5.4.2 for possible year 4 monitoring waiver).

<sup>2</sup> The discharge from this permitted outfall shall not exceed a Daily Maximum of 50 mg/L Total Organic Carbon (TOC) or 15 mg/L Oil and Grease. **Unless required by Part 5.10 of this permit, analytical sampling and analysis of these parameters on a regular basis are not required.**