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PRELIMINARY DRAFT
VESSEL DECONSTRUCTION
GENERAL PERMIT

National Pollutant Discharge Elimination System (NPDES) and State Waste Discharge General
Permit for Discharges Associated with Vessel Deconstruction Activity

State of Washington
Department of Ecology
Olympia, Washington 98504

In compliance with the provisions of
Chapter 90.48 Revised Code of Washington
(State of Washington Water Pollution Control Act)
and
Title 33 United States Code, Section 1251 et seq.
The Federal Water Pollution Control Act (The Clean Water Act)

Until this permit expires, is modified or revoked, Permittees that have properly obtained
coverage under this general permit are authorized to discharge in accordance with the special and
general conditions that follow.

INSERT
Water Quality Program Manager
Washington State Department of Ecology

TABLE OF CONTENTS

| | |
|------------------------------------------------------|----|
| LIST OF TABLES | 3 |
| SUMMARY OF PERMIT REPORT SUBMITTALS..... | 4 |
| SPECIAL CONDITIONS..... | 5 |
| S1. PERMIT COVERAGE | 5 |
| S2. PERMIT ADMINISTRATION | 6 |
| S3. COMPLIANCE WITH STANDARDS | 8 |
| S4. DISCHARGE LIMITS AND SAMPLING REQUIREMENTS | 8 |
| S5. NON-ROUTINE DISCHARGES | 12 |
| S6. DISCHARGES TO 303(D) OR TMDL WATER BODIES | 14 |
| S7. SITE INSPECTION REQUIREMENTS | 14 |
| S8. DECONSTRUCTION AND SITE MANAGEMENT PLAN..... | 16 |
| S9. SOLID AND LIQUID WASTE DISPOSAL | 23 |
| S10. REPORTING AND RECORDKEEPING REQUIREMENTS | 23 |
| S11. PERMIT FEES..... | 26 |
| S12. NOTICE OF TERMINATION | 26 |
| GENERAL CONDITIONS | 28 |
| G1. DISCHARGE VIOLATIONS | 28 |
| G2. SIGNATORY REQUIREMENTS..... | 28 |
| G3. RIGHT OF INSPECTION AND ENTRY | 29 |
| G4. GENERAL PERMIT MODIFICATION AND REVOCATION | 29 |
| G5. REVOCATION OF COVERAGE UNDER THE PERMIT | 29 |
| G6. REPORTING A CAUSE FOR MODIFICATION | 30 |
| G7. COMPLIANCE WITH OTHER LAWS AND STATUTES..... | 30 |
| G8. DUTY TO REAPPLY | 30 |
| G9. TRANSFER OF GENERAL PERMIT COVERAGE..... | 31 |
| G10. REMOVED SUBSTANCES | 31 |
| G11. DUTY TO PROVIDE INFORMATION..... | 31 |
| G12. OTHER REQUIREMENTS OF 40 CFR..... | 31 |
| G13. ADDITIONAL MONITORING..... | 31 |

| | | |
|------|--------------------------------------------------------------|----|
| G14. | PENALTIES FOR VIOLATING PERMIT CONDITIONS | 31 |
| G15. | UPSET | 32 |
| G16. | PROPERTY RIGHTS..... | 32 |
| G17. | DUTY TO COMPLY | 32 |
| G18. | TOXIC POLLUTANTS..... | 32 |
| G19. | PENALTIES FOR TAMPERING | 33 |
| G20. | REPORTING PLANNED CHANGES | 33 |
| G21. | REPORTING OTHER INFORMATION..... | 33 |
| G22. | REPORTING ANTICIPATED NON-COMPLIANCE..... | 33 |
| G23. | REQUESTS TO BE EXCLUDED FROM COVERAGE UNDER THE PERMIT | 34 |
| G24. | APPEALS | 34 |
| G25. | SEVERABILITY | 34 |
| G26. | BYPASS PROHIBITED..... | 34 |
| | APPENDIX A – DEFINITIONS | 37 |
| | APPENDIX B – ACRONYMS | 43 |

LIST OF TABLES

| | | |
|----------|------------------------------------------------------------------|----|
| Table 1. | Summary of Permit Report Submittals | 4 |
| Table 2. | Summary of Required On-site Documentation..... | 4 |
| Table 3. | Stormwater Effluent Limits and Sampling Requirements | 9 |
| Table 4. | Floating Drydock Effluent Limits and Sampling Requirements | 10 |
| Table 5. | Non-Routine Monitoring and Reporting Requirements | 13 |

SUMMARY OF PERMIT REPORT SUBMITTALS

Refer to the Special and General Conditions within this permit for additional submittal requirements. Appendix A provides a list of definitions. Appendix B provides a list of acronyms.

Table 1. Summary of Permit Report Submittals

| Permit Section | Submittal | Frequency | First Submittal Date |
|----------------|-------------------------------------------------------------|----------------|------------------------------------------------|
| S2.A.1 | Permit Application (Notice of Intent), including: | Once | At least 60 days prior to work starting |
| | Deconstruction and Site Management Plan | | |
| | Solid Waste Disposal Plan | | |
| | Hazardous materials testing verification | | |
| S2.A.2, G9. | Transfer of coverage | As necessary | As necessary |
| S5.A | Non-routine discharge request | As necessary | As necessary |
| S10.A | Discharge Monitoring Reports (DMRs) | Monthly | Within 15 days of applicable monitoring period |
| S12 | Notice of termination | As necessary | As necessary |
| G2. | Notice of Change in Authorization | As necessary | As necessary |
| G6. | Permit Application for Substantive Changes to the Discharge | As necessary | As necessary |
| G8. | Application for Permit Renewal | 1/permit cycle | No later than 180 days before expiration |
| G20. | Notice of Planned Changes | As necessary | As necessary |
| G22. | Reporting Anticipated Non-compliance | As necessary | As necessary |

Table 2. Summary of Required On-site Documentation

| Permit Condition(s) | Document Title |
|---------------------|------------------------------------------------|
| S10.F.1.a | Permit Coverage Letter |
| S10.F.1.b | Vessel Deconstruction General Permit |
| S10.F.1.c | Site Log Book |
| S10.F.1.d | Deconstruction and Site Management Plan (DSMP) |
| S9.B | Solid Waste Control Plan |

SPECIAL CONDITIONS

S1. PERMIT COVERAGE

A. Permit Area

This Vessel Deconstruction General Permit (VDGP) covers all areas of Washington State, except for federal and Tribal lands and waters as specified in Special Condition S1.C.1.

B. Operators Required to Seek Coverage Under this General Permit:

1. Operators of the following deconstruction activities are required to seek coverage under this VDGP:
 - a. Dismantling any portion of a vessel hull, topside, or superstructure while the vessel is over water and outside of a facility otherwise permitted to perform this work. This includes deconstruction activities carried out on a drydock, or barge.
 - b. The Department of Ecology (Ecology) may also require any operator of vessel deconstruction activity to obtain coverage under this permit if Ecology determines the activity:
 - i. Is a significant contributor of pollutants to waters of the State of Washington; or
 - ii. May reasonably be expected to cause a violation of any water quality standard
2. Operators of the following activities are not required to seek coverage under this VDGP (unless specifically required under Special Condition S1.B.1.b. above):
 - a. Vessel deconstruction activities that discharge all stormwater and non-stormwater to ground water in compliance with ground water standards, sanitary sewer, or combined sewer, and have no point source discharge to either surface water or a storm sewer system that drains to surface waters of the State.
 - b. Vessel rigging, repairs, and minor modifications, not including deconstruction activities as defined in Appendix A, or any work conducted over the water.

C. Limits on Coverage

Ecology may require any discharger to apply for and obtain coverage under an individual permit or another more specific general permit. Such alternative coverage will be required when Ecology determines that this VDGP does not provide adequate assurance that water quality will be protected, or there is a reasonable potential for the project to cause or contribute to a violation of water quality standards.

The following discharges are not covered by this permit:

1. Discharges from facilities located on “Indian Country” as defined in 18 U.S.C. §1151, except portions of the Puyallup Reservation as noted below. Indian Country includes:
 - a. All land within any Indian Reservation notwithstanding the issuance of any patent, and, including rights-of-way running through the reservation. This includes all federal, tribal, and Indian and non-Indian privately owned land within the reservation.
 - b. All off-reservation Indian allotments, the Indian titles to which have not been extinguished, including rights-of-way running through the same.
 - c. All off-reservation federal trust lands held for Native American Tribes.

Puyallup Exception: Following the Puyallup Tribes of Indians Land Settlement Act of 1989, 25 U.S.C. §1773; the permit does apply to land within the Puyallup Reservation except for discharges to surface water on land held in trust by the federal government.
2. Discharges from activities operated by any department, agency, or instrumentality of the executive, legislative, and judicial branches of the Federal Government of the United States, or another entity, such as a private contractor, performing industrial activity for any such department, agency, or instrumentality.
3. Discharges from any site covered under an existing NPDES individual permit.
4. Discharges from a site where an applicable Total Maximum Daily Load (TMDL) requirement specifically precludes or prohibits discharges.
5. New discharges to a waterbody listed pursuant to Section 303(d) of the CWA, unless the Permittee meets the requirements of Condition S6.A.

S2. PERMIT ADMINISTRATION

A. Permit Application Forms

1. Notice of Intent Form/Timeline
 - a. Operators of new or previously unpermitted deconstruction activities must submit a complete and accurate permit application (Notice of Intent, or NOI) to Ecology.
 - b. The operator must submit a complete NOI at least 60 days before discharging from deconstruction activities and must submit it on or before the date of the first public notice (see Special Condition S2.B below for details). The 30-day public comment period required by WAC 173-226-130(5) begins on the publication date of the second public notice. Ecology will respond to the applicant in writing.
 - i. If the NOI is incomplete, public comments have been received, or more information is necessary to determine whether coverage under the general

permit is appropriate, Ecology will notify the applicant in writing and identify the issues that must be resolved before a decision can be reached.

- ii. If the NOI is approved, permit coverage begins on the date specified in the permit coverage letter. In no case will the permit coverage effective date be sooner than the 31st day after the receipt of the complete NOI, or the close of the 30 day public comment period.
- c. Permittees must notify Ecology regarding any changes to the information provided on the NOI by submitting an updated NOI. Examples of such changes include, but are not limited to,
 - i. changes to the Permittee's mailing address,
 - ii. changes to the on-site contact person information, and
 - iii. changes to the location or size of the deconstruction activity.

2. Transfer of Coverage Form

The Permittee can transfer current coverage under this permit to one or more new operators, provided the Permittee submits a Transfer of Coverage Form in accordance with General Condition G9. Transfers do not require public notice.

B. Public Notice

For new or previously unpermitted deconstruction activities, the applicant must publish a public notice at least one time each week for two consecutive weeks, at least 7 days apart, in a newspaper with general circulation in the county where the deconstruction is to take place. The notice must contain:

1. A statement that "The applicant is seeking coverage under the Washington State Department of Ecology's Vessel Deconstruction NPDES and State Waste Discharge General Permit."
2. The location of the deconstruction activity.
3. The name and address of the applicant.
4. The type of deconstruction activity that will result in a discharge (for example, in-water deconstruction, deconstruction on a barge, floating drydock, etc.).
5. The name of the receiving water(s) to which the activity will discharge.
6. The statement: "Any persons desiring to present their views to the Washington State Department of Ecology regarding this application, or interested in Ecology's action on this application, may notify Ecology in writing no later than 30 days of the last date of publication of this notice. Ecology reviews public comments and considers whether discharges from this project would cause a measurable change in receiving water quality, and, if so, whether the project is necessary and in the overriding public interest according to Tier II antidegradation requirements under WAC 173-201A-320. Comments can be submitted to: Department of Ecology, P.O.

Box 47696, Olympia, WA 98504-7696 Attn: Water Quality Program, Vessel Deconstruction.”

S3. COMPLIANCE WITH STANDARDS

- A. Discharges must not cause or contribute to a violation of surface water quality standards (Chapter 173-201A WAC), ground water quality standards (Chapter 173-200 WAC), sediment management standards (Chapter 173-204 WAC), and human health-based criteria in the National Toxics Rule (40 CFR Part 131.36). Discharges not in compliance with these standards are not authorized.
- B. Prior to the discharge of stormwater and non-stormwater to waters of the State, the Permittee must apply all known, available, and reasonable methods of prevention, control, and treatment (AKART). This includes the preparation and implementation of an adequate Deconstruction and Site Management Plan (DSMP), with all appropriate BMPs installed and maintained in accordance with the DSMP and the terms and conditions of this permit.
- C. Ecology presumes that a Permittee complies with water quality standards unless discharge monitoring data or other site-specific information demonstrates that a discharge causes or contributes to a violation of water quality standards, when the Permittee complies with the following conditions. The Permittee must fully:
 - 1. Comply with all permit conditions, including planning, sampling, monitoring, reporting, waste management, and recordkeeping conditions.
 - 2. Implement BMPs contained in this permit, or BMPs that are demonstrably equivalent to BMPs contained in this permit, including the proper selection, implementation, and maintenance of all applicable and appropriate BMPs for on-site pollution control.

S4. DISCHARGE LIMITS AND SAMPLING REQUIREMENTS

- A. Stormwater Associated with Deconstruction and Deconstruction Support Activity:
 - 1. Subject to compliance with the terms and conditions of this permit, Permittees are authorized to discharge stormwater associated with deconstruction activity to waters of the State. This authorization also includes stormwater discharge from support activities related to the permitted deconstruction site (for example, support barges, off-site equipment staging yards, material storage areas, etc.) provided:
 - a. The support activity relates directly to the permitted deconstruction site that is required to have a NPDES permit; and
 - b. The support activity is not a commercial operation serving multiple unrelated deconstruction projects, and does not operate beyond the completion of the deconstruction activity; and

- c. Appropriate controls and measures are identified in the Deconstruction and Site Management Plan (DSMP) for the discharges from the support activity areas.

Table 3. Stormwater Effluent Limits and Sampling Requirements

| Parameter | Units | Maximum Daily Effluent Limit | | Analytical Method ¹ | Laboratory Quantitation Level ¹ |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------|-----------------------------|--------------------------------|--------------------------------------------|
| | | Fresh Water | Marine | | |
| Oil Sheen | Yes/No | No visible sheen | No visible sheen | N/A | N/A |
| Oil and Grease | mg/L | 5 | 5 | EPA 1664 A or B | 5 |
| Turbidity | NTU | 25 | 25 | EPA 180.1 Meter | 0.5 |
| TSS | mg/L | 30 | 30 | SM2540-D | 5 |
| pH | Standard Units | Must be between 6.5 and 8.5 | Must be between 7.0 and 8.5 | Meter ² | ±0.5 |
| Copper, Total | µg/L | To be determined (TBD) ³ | 5.8 | EPA 200.8 | 2.0 |
| Zinc, Total | µg/L | TBD ³ | 95 | EPA 200.8 | 2.5 |
| Lead, Total | µg/L | TBD ³ | 14 | EPA 200.8 | 0.5 |
| ¹ The Permittee shall ensure laboratory results comply with the quantitation level specified in the table. However, if a Permittee knows that an alternate, less sensitive method (higher detection level and quantitation level) from 40 CFR Part 136 is sufficient to produce measurable results in its effluent, it may use that method for analysis. | | | | | |
| ² Permittees shall use a calibrated pH meter. | | | | | |
| ³ Ecology will assign a site-specific effluent limitation at the time of permit coverage. | | | | | |

2. Stormwater Sampling Frequency

- a. The Permittee must sample all discharge locations once every calendar week when stormwater (or authorized non-stormwater) discharges from the site.
- b. Samples must be representative of the flow and characteristics of the discharge.
- c. Sampling is not required when there is no discharge during a calendar week.
- d. Sampling is not required outside of normal working hours or during unsafe conditions.
- e. If the Permittee is unable to sample during a monitoring period, the Permittee must include a brief explanation in the monthly Discharge Monitoring Report (DMR).

- f. Sampling is not required before deconstruction activity begins.
3. Stormwater Sampling Locations
- a. Sampling is required at all points where stormwater associated with deconstruction activity is discharged, prior to entry into waters of the state.
 - b. The Permittee must identify all sampling point(s) in the DSMP and update as needed.

4. Stormwater Sampling Documentation

For each stormwater sample taken, the Permittee must record and retain the following information:

- a. Sample date and time
- b. Sample location
- c. Method of sampling, and method of sample preservation, if applicable.
- d. Individual who performed the sampling.

B. Drydock Effluent:

- 1. Subject to compliance with the terms and conditions of this permit, Permittees are authorized to discharge drydock floodwater to surface waters of the State.

Table 4. Floating Drydock Effluent Limits and Sampling Requirements

| Parameter | Maximum Daily Limit ¹ | Analytical Method | Laboratory Quantitation Level ² | Minimum Sampling Frequency ³ | Sample Type ⁴ |
|---------------------------------------------------------|-----------------------------------------------|-------------------|--------------------------------------------|-----------------------------------------|--------------------------|
| The drydocks shall be free of debris prior to flooding. | | | | | |
| Oil Sheen | No visible sheen | N/A | N/A | Each flood | Visual |
| Oil and Grease | 5 mg/L | EPA 1664 A or B | 5 mg/L | Each flood | Grab |
| Turbidity | 5 NTU above background turbidity ⁵ | EPA 180.1 Meter | 0.5 NTU | Each flood | Grab ⁶ |

| |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ¹ The maximum daily effluent limitation is defined as the highest allowable daily discharge. |
| ² The Permittee shall ensure laboratory results comply with the quantitation level specified in the table. However, if a Permittee knows that an alternate, less sensitive method (higher detection level and quantitation level) from 40 CFR Part 136 is sufficient to produce measurable results in its effluent, it may use that method for analysis. |
| ³ Samples shall be obtained each time the drydock is flooded with water following the initial flooding to secure the vessel on the drydock. |
| ⁴ Grab samples of floodwater shall be taken at the water surface as the drydock is lowered and the water is between 3 and 6 feet above the drydock deck. The sampling location shall be in line with the end of the wingwall and near the center of the drydock |
| ⁵ If background turbidity is greater than 50 NTU, the turbidity of the drydock floodwater shall not exceed a 10% increase over background turbidity. |
| ⁶ Background turbidity samples shall be taken from the apron of the drydock within one hour prior to flooding the drydock, or at another time and location agreed to by the Department. |

C. Conditionally Authorized Non-Stormwater Discharges:

1. The categories and sources of non-stormwater discharges identified below are authorized conditionally, provided the discharge is consistent with the terms and conditions of this permit:
 - a. Discharges from emergency fire-fighting activities, not including water used to prevent fires, or water used for cooling when torches are in use for cutting.
 - b. Potable water, including uncontaminated water line flushing.
 - c. Uncontaminated air conditioning or compressor condensate.
 - d. Non-routine discharges in accordance with Special Condition S5.

The DSMP must adequately address all authorized non-stormwater discharges, except for discharges from emergency fire-fighting activities, and must comply with Special Condition S3. At a minimum, discharges from potable water must undergo the following: dechlorination to a concentration of 0.1 parts per million (ppm) or less, and pH adjustment to within 6.5 – 8.5 standard units (su), if necessary.

D. Prohibited Discharges:

The following discharges to waters of the State are prohibited:

1. Hydroblast or pressure wash wastewater;
2. Hydraulic fluid;
3. Oily wastes;
4. Grey water;
5. Ship sanitary wastes;

6. Solvents;
7. Industrial stormwater or process water from piers and docks;
8. Non-contact cooling water;
9. Dangerous wastes as defined in Chapter 173-303 WAC; and
10. Water used to prevent fires, or water used for cooling when torches are in use for cutting, unless authorized under Special Condition S5.

E. Laboratory Accreditation:

1. The Permittee must ensure that all analytical data required by Ecology is prepared by a laboratory registered or accredited under the provisions of, Accreditation of Environmental Laboratories, Chapter 173-50 WAC.
2. Turbidity and pH are exempt from this requirement, unless the laboratory must be registered or accredited for any other parameter.

S5. NON-ROUTINE DISCHARGES

Any discharges not identified in S4 must be addressed in accordance with the terms and conditions of this section.

- A. Beginning on the effective date of this permit, the Permittee is authorized to discharge non-routine wastewater on a case-by-case basis if approved by Ecology. Prior to any such discharge, the Permittee must contact Ecology and provide the following information:
1. The proposed discharge location;
 2. The nature of the activity that will generate the discharge;
 3. Any alternatives to the discharge, such as reuse, storage, or recycling of the water;
 4. The total volume of water it expects to discharge;
 5. The results of the chemical analysis of the water;
 6. The date of the proposed discharge;
 7. The expected rate of discharge, in gallons per minute; and
 8. Any additional information requested by Ecology in writing.
- B. The Permittee must analyze the water for all constituents limited for discharge and report them as required by Special Condition 4 above. The Permittee must also analyze for the following parameters:

Table 5. Non-Routine Monitoring and Reporting Requirements

| Pollutant & CAS No. (if available) | Analytical Protocol | Detection (DL)¹ µg/L unless specified | Quantitation Level (QL)² µg/L unless specified |
|-------------------------------------------------------|----------------------------|---------------------------------------------------------|------------------------------------------------------------------|
| Turbidity | EPA 180.1 Meter | | 0.5 NTU |
| Total Suspended Solids | SM2540-D | | 5 mg/L |
| Dissolved oxygen | SM4500-OC/OG | | 0.2 mg/L |
| pH | SM4500-H ⁺ B | N/A | N/A |
| Oil and Grease (HEM) (Hexane Extractable Material) | EPA 1664 A or B | 1,400 | 5,000 |
| Settleable Solids | SM2540-F | | 500 (or 0.1 mL/L) |
| Total Hardness | SM2340B | | 200 as CaCO ₃ |
| Antimony, Total (7440-36-0) | EPA 200.8 | 0.3 | 1.0 |
| Arsenic, Total (7440-38-2) | EPA 200.8 | 0.1 | 0.5 |
| Beryllium, Total (7440-41-7) | EPA 200.8 | 0.1 | 0.5 |
| Cadmium, Total (7440-43-9) | EPA 200.8 | 0.05 | 0.25 |
| Chromium, Total (7440-47-3) | EPA 200.8 | 0.2 | 1.0 |
| Copper, Total (7440-50-8) | EPA 200.8 | 0.4 | 2.0 |
| Lead, Total (7439-92-1) | EPA 200.8 | 0.1 | 0.5 |
| Mercury, Total (7439-97-6) | EPA 1631E | 0.0002 | 0.0005 |
| Nickel, Total (7440-02-0) | EPA 200.8 | 0.1 | 0.5 |
| Selenium, Total (7782-49-2) | EPA 200.8 | 1.0 | 1.0 |
| Silver, Total (7440-22-4) | EPA 200.8 | 0.04 | 0.2 |
| Thallium, Total (7440-28-0) | EPA 200.8 | 0.09 | 0.36 |
| Zinc, Total (7440-66-6) | EPA 200.8 | 0.5 | 2.5 |
| PCB-1242 (53469-21-9) ³ | EPA 608 | 0.25 | 0.5 |
| PCB-1254 (11097-69-1) | EPA 608 | 0.25 | 0.5 |
| PCB-1221 (11104-28-2) | EPA 608 | 0.25 | 0.5 |
| PCB-1232 (11141-16-5) | EPA 608 | 0.25 | 0.5 |
| PCB-1248 (12672-29-6) | EPA 608 | 0.25 | 0.5 |
| PCB-1260 (11096-82-5) | EPA 608 | 0.13 | 0.5 |
| PCB-1016 (12674-11-2) ³ | EPA 608 | 0.13 | 0.5 |

1. Detection level (DL) or detection limit means the minimum concentration of an analyte (substance) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero as determined by the procedure given in 40 CFR part 136, Appendix B.
2. Quantitation Level (QL) also known as Minimum Level of Quantitation (ML) – The lowest level at which the entire analytical system must give a recognizable signal and acceptable calibration point for the analyte. It is equivalent to the concentration of the lowest calibration standard, assuming that the lab has used all method-specified sample weights, volumes, and cleanup procedures. The QL is calculated by multiplying the MDL by 3.18 and rounding the result to the number nearest to (1, 2, or 5) x 10ⁿ, where n is an integer. (64 FR 30417).
ALSO GIVEN AS:
The smallest detectable concentration of analyte greater than the Detection Limit (DL) where the accuracy (precision & bias) achieves the objectives of the intended purpose. (Report of the Federal Advisory Committee on Detection and Quantitation Approaches and Uses in Clean Water Act Programs Submitted to the US Environmental Protection Agency December 2007).
3. PCB 1016 & PCB 1242 – You may report these two PCB compounds as one parameter called PCB 1016/1242.

The analysis must also include any parameter deemed necessary by Ecology. All discharges must comply with the effluent limits as established in Special Condition 4 of this permit, water quality standards, and any other limits imposed by Ecology.

- C. The discharge cannot proceed until Ecology has reviewed the information provided and has authorized the discharge by letter to the Permittee or by an Administrative Order. Once approved and if the proposed discharge is to a municipal storm drain, the Permittee must obtain prior approval from the municipality and notify it when it plans to discharge.

S6. DISCHARGES TO 303(D) OR TMDL WATER BODIES

A. Limits on Coverage for New Discharges to TMDL or 303(d)-listed Waters

Operators of new deconstruction discharges to a 303(d)-listed water body, or a waterbody with an applicable TMDL, are not eligible for coverage under this permit *unless* the operator:

1. Prevents exposing stormwater to pollutants for which the water body is impaired, and retains documentation in the DSMP that details procedures taken to prevent exposure on site; or
2. Documents that the pollutants for which the water body is impaired are not present at the site, and retains documentation of this finding within the DSMP; or
3. Provides Ecology with data indicating the discharge is not expected to cause or contribute to an exceedance of a water quality standard, and retains such data on site with the DSMP. The operator must provide data and other technical information to Ecology that sufficiently demonstrate:
 - a. For discharges to waters without an EPA-approved or -established TMDL, that the discharge of the pollutant for which the water is impaired will meet in-stream water quality criteria at the point of discharge to the water body; or
 - b. For discharges to waters with an EPA-approved or -established TMDL, that there is sufficient remaining wasteload allocation in the TMDL to allow deconstruction stormwater discharge and that existing dischargers to the water body are subject to compliance schedules designed to bring the water body into attainment with water quality standards.

Operators of deconstruction sites are eligible for coverage under this permit if Ecology issues permit coverage based upon an affirmative determination that the discharge will not cause or contribute to the existing impairment.

S7. SITE INSPECTION REQUIREMENTS

A. Site Inspections

The Permittee's (operator's) site inspections must include all areas disturbed or otherwise impacted by deconstruction activities, all BMPs, and all discharge points.

1. The Permittee must examine any discharges visually for the presence of turbidity, discoloration, floating materials, and oil sheen. The Permittee must evaluate the

effectiveness of BMPs and determine if it is necessary to install additional BMPs, or to maintain, or repair existing BMPs.

Based on the results of the inspection, the Permittee must correct the problems identified by:

- a. Reviewing the DSMP for compliance with Special Condition S8 and making appropriate revisions within 24 hours of the end of the inspection.
 - b. Immediately beginning the process of fully implementing and maintaining appropriate source control and/or treatment BMPs as soon as possible, addressing the problems no later than within 24 hours of the inspection. If installation of necessary treatment BMPs is not feasible within 24 hours, Ecology may approve additional time when an extension is requested by a Permittee within the initial 24 hour response period.
 - c. Documenting BMP implementation and maintenance in the site log book.
2. The Permittee must inspect all areas disturbed or otherwise impacted by deconstruction activities, all BMPs, and any discharge points at least once every calendar day. The Permittee may reduce the inspection frequency for temporarily stabilized, inactive sites to once every calendar week.
 3. The Permittee must have staff knowledgeable of the BMPs in the DSMP. The inspector must have the skills to assess the:
 - a. Site conditions and deconstruction activities that could impact the quality of stormwater, or authorized non-stormwater or non-routine discharges, and
 - b. Effectiveness of BMPs used on the site.
 4. The DSMP must identify the inspector, who must be present on site or on-call at all times.
 5. The Permittee must summarize the results of each inspection in an inspection report or checklist and enter the report/checklist into, or attach it to, the site log book. At a minimum, each inspection report or checklist must include:
 - a. Inspection date and time.
 - b. Weather information, the general conditions during inspection and the approximate amount of precipitation since the last inspection, and precipitation within the last 24 hours.
 - c. A summary or list of all implemented BMPs.
 - d. A description of the locations of:
 - i. BMPs inspected.
 - ii. BMPs that need maintenance and why.

- iii. BMPs that failed to operate as designed or intended, and
- iv. Where additional or different BMPs are needed, and why.
- e. A description of any discharges from the site. The Permittee must note the presence of turbidity, odor, discoloration, floating materials, and oil sheen, as applicable.
- f. Any water quality monitoring performed during inspection.
- g. General comments and notes, including a brief description of any BMP repairs, maintenance or installations made following the inspection.
- h. A summary report and a schedule of implementation of the remedial actions that the Permittee plans to take if the site inspection indicates that the site is out of compliance. The remedial actions taken must meet the requirements of the DSMP and the permit.
- i. The name, title, and signature of the person conducting the site inspection, a phone number or other reliable method to reach this person, and the following statement: "I certify that this report is true, accurate, and complete to the best of my knowledge and belief."

S8. DECONSTRUCTION AND SITE MANAGEMENT PLAN

The Permittee must prepare and properly implement a Deconstruction and Site Management Plan (DSMP) including best management practices (BMPs) for deconstruction activity in accordance with the requirements of this permit beginning with initial deconstruction activity until all deconstruction activity is complete and permit termination eligible.

A. The Permittee's DSMP must meet the following objectives:

- 1. To implement BMPs to identify, reduce, eliminate, and prevent stormwater and sediment contamination and water pollution from deconstruction activity.
- 2. To prevent violations of surface water quality, groundwater quality, and sediment management standards.

B. General Requirements

- 1. The DSMP must include a narrative and drawings of site layout and any engineered specifications. All BMPs must be clearly referenced in the narrative and marked on the drawings. The DSMP narrative must include documentation to explain and justify the pollution prevention decisions made for the project. Documentation must include:
 - a. Information about the vessel (size, type, historical uses, condition, etc.)
 - b. Anticipated waste streams (e.g. asbestos, oil and fuel, polychlorinated biphenyls (PCBs))

- c. The 12 elements of a DSMP in Special Condition S8.C.1-12, including BMPs used to address each element.
 - d. Deconstruction phasing/sequence and general BMP implementation schedule.
 - e. The actions to be taken if the BMP performance goals are not achieved – for example, a contingency plan for additional treatment or storage of stormwater that would violate water quality standards if discharged.
 - f. Applicable deconstruction plans prepared by a qualified marine professional.
2. The Permittee must modify the DSMP if the owner/operator, or the applicable state, local, or federal authority determines during inspections or investigations that the DSMP is, or would be, ineffective in eliminating or significantly minimizing pollutants in discharges from the vessel. The Permittee must then:
 - a. Review the DSMP for compliance with Special Condition S8 and make appropriate revisions within 24 hours of the inspection or investigation.
 - b. Immediately begin the process to fully implement and maintain appropriate source control and/or treatment BMPs as soon as possible, addressing the problems no later than 24 hours from the inspection or investigation. If installation of necessary treatment BMPs is not feasible within 24 hours, Ecology may approve additional time when an extension is requested by a Permittee within the initial 24 hour response period.
 - c. Document BMP installation and maintenance in the site log book.
 3. The Permittee must modify the DSMP whenever there is a change in design, construction, operation, or maintenance at the deconstruction site that has, or could have, a significant effect on the discharge of pollutants to waters of the state.

C. Best Management Practices (BMPs)

The Permittee must include each of the 12 elements below in Special Condition S.C.1-12 in the narrative of the DSMP and implement them unless site conditions render the element unnecessary and the exemption from that element is clearly justified in the DSMP.

1. Control of large solid materials
 - a. Prior to drydock flooding and rainfall sufficient to generate runoff, the Permittee must remove floatable and low density waste, such as wood, plastic, and miscellaneous trash, such as paper, insulation, and packaging, from the vessel, drydock, and barge decks, if applicable.
2. Control and cleanup of grinding and cutting debris
 - a. Confine dust and debris to deconstruction areas to the maximum extent feasible during grinding and cutting activities. Feasible methods of control include installing barriers or curtains around the vessel.

- b. Secure and arrange barriers such as plastic or flame retardant blankets from the vessel, barge, or temporary structures around the vessel to prevent the fugitive emissions of paint chips, slag, dust, and debris. Barriers must be capable of capturing and containing debris until removal and proper disposal.
 - c. Securely anchor and fasten tarpaulins, blankets, and sheeting so they remain in place during wind and storm conditions.
 - d. Consider other feasible innovative procedures, as appropriate, to improve the effectiveness of controlling fugitive emissions. Such innovative methods may include metal shears and other applicable technologies.
 - e. Clean up paint chips, slag, and other loose materials as a regular part of the deconstruction activities to the extent maximally feasible, to prevent their entry into waters of the state. The minimum collection frequency is once per day when solids generating activity is occurring.
 - f. Store collected debris and dangerous wastes in secondary containment under cover in a designated area or properly dispose of off-site in compliance with state and local regulations.
 - g. Adopt innovations and procedures to improve the effectiveness of cleanup operations where they are feasible, appropriate and the Permittee can demonstrate they prevent the discharge of pollutants to water.
 - h. Additional BMPs when vessel is deconstructed on a barge or floating drydock.
 - i. Set the vessel in ways to maximize accessibility to the floor of the barge or drydock beneath the vessel for collection of debris.
 - ii. Clean the barge or drydock on a regular basis to minimize the possibility that stormwater runoff will carry debris into receiving water.
 - iii. Do not flood or sink drydocks with standing piles of debris on drydock floor.
 - iv. Take photographs and maintain them in the site logbook to demonstrate the condition of the drydock floor prior to flooding. Documentation accompanying the photographs must include the date of flooding, the date of the photograph, and the name of the photographer. The Permittee may use a videotape that documents the same information in place of a photograph collection.
3. BMPs for work below the waterline
- a. The Permittee must not clean any portion of the vessel's hull below the waterline while the vessel is afloat.
4. BMPs for floats used for in-water vessel deconstruction

Floats are free-floating, unattached work platforms capable of moving back and forth along the length of the ship and around its hull. The Permittee must:

- a. Maintain a minimum of 1 foot of freeboard at the lowest point of the float during all phases of deconstruction
 - b. Maintain this minimum 1 foot freeboard requirement with all scaffolding configurations and number of persons onboard the float.
 - c. Take all necessary precautions while onboard the float to prevent solvents, cleaning materials, petroleum products, all other liquids and unsecured materials from entering into water from the float.
 - d. Provide secondary containment for any container greater than one-gallon holding any liquid product when used onboard a float.
 - e. A float must be used when transferring any material over the water to prevent any material that falls from entering the water, any material captured on the float must be removed daily.
5. Oil, grease, solvents, and fuel spills prevention and containment
- a. The Permittee must not discharge oil or other hazardous material and dangerous wastes to waters of the state, except as specifically authorized by this permit. The Permittee must:
 - i. Prevent oil, grease, or fuel spills from reaching drainage systems or surface waters.
 - ii. Promptly cleanup after it detects oil, grease, or fuel spill.
 - iii. Deploy appropriate containment booms around the vessel prior to commencing deconstruction activity. Store additional containment booms and absorbents so it can immediately deploy them in the event of a spill.
 - iv. Train all personnel that may participate in cleanup of spills in the use and deployment of cleanup equipment.
 - b. In the event of an accidental discharge of oil or hazardous materials and or dangerous wastes into waters of the state or onto land with a potential for entry into waters of the state, the Permittee must immediately notify Ecology's Spill Response Section and the United States Coast Guard. The Permittee must not use emulsifiers or dispersants in or upon the waters of the state without prior approval from Ecology. The Permittee must:
 - i. Immediately commence and complete cleanup efforts. Cleanup takes precedence over normal work.
 - ii. Properly dispose of spilled material and used cleanup material.

- iii. Follow an approved spill control plan or the specific instructions of an on-scene coordinator to cleanup oil or hazardous material and/or dangerous wastes.
- iv. Use drip pans or other protective devices for all oil transfer operations to catch incidental spills and drips from hose nozzles, hose racks, drums, or barrels.
- v. Provide oils and fuel storage tanks with secondary containment.

6. Contact between water and debris

The Permittee must:

- a. Capture for treatment and proper disposal any fire prevention water that has contacted slag, grit, spent abrasives, paint chips, and other debris.
- b. Incorporate appropriate methods to prevent accumulation of debris in drainage systems and promptly remove debris to prevent its discharge with stormwater.

7. Maintenance of hoses, soil chutes, and piping

The Permittee must:

- a. Immediately replace or repair leaking connections, valves, pipes, hoses, and soil chutes carrying either water or wastewater.
- b. Tightly connect soil chute and hose connections to vessels and to receiving lines or containers and maintain them as leak free as practicable.

8. Chemical storage

The Permittee must store solid chemicals, chemical solutions, compressed gas cylinders and systems, paints, oils, solvents, acids, caustic solutions, and waste materials, including used batteries, in a manner which will prevent inadvertent exposure to stormwater or entry of these materials into waters of the state, including ground water. Storage methods must prevent spills due to overfilling, tipping, or rupture. In addition, the Permittee must use the following practices:

- a. Store all liquid products on durable impervious surfaces and within bermed containment capable of containing 110% of the largest single container in the storage area.
- b. Store waste liquids under cover; e.g., tarpaulins, roofed structures, etc.
- c. Clearly designate all waste storage areas for waste oil or dangerous waste, and keep these areas segregated from new product storage.
- d. Segregate and secure incompatible or reactive materials in separate containment areas to prevent inadvertent mixing and reaction of spilled chemicals.

- e. All containment structures and containers must be compatible with the materials and wastes being contained and stored/accumulated.
 - f. Transport off-site for disposal concentrated waste or spilled chemicals at a facility approved by Ecology or the appropriate county health authority in accordance with solid waste disposal requirements of Special Condition S9.
 - g. Prevent the discharge of concentrated waste, dangerous wastes or spilled chemicals to any sewer or state waters.
9. Recycling of spilled chemicals and rinse water
- The Permittee must:
- a. Recycle any intercepted chemical spill back to the appropriate chemical solution tank or clean it up and dispose of it properly.
 - b. Handle, recycle, or dispose of any intercepted chemical spill in such a manner as to prevent its discharge into waters of the state.
10. Oils, bilge, ballast, and dewatering water management
- All non-stormwater discharges must comply with the requirements of S5. Non-routine discharges.
- a. The Permittee must not discharge hydraulic fluids, oily wastes and petroleum products to waters of the state.
 - b. Bilge water discharges must not cause any visible sheen in waters of the state.
 - c. If solvents, detergents, emulsifying agents, or dispersants have been added to the bilge, bilge waters must not be discharged to waters of the state.
11. Metal cutting and welding materials management
- The Permittee must not dispose of any materials used in metal cutting or welding, such as welding and cutting rods and fluids, to waters of the state.
- a. Collect, store, and properly dispose of all spent materials.
12. Manage the project
- The Permittee must phase deconstruction to the maximum degree practicable to assure availability of facilities and equipment necessary for complete deconstruction of the vessel.
- a. Insure availability of a floating drydock, barge, crane, or other equipment necessary to complete final deconstruction of the vessel hull. Final deconstruction in the water is prohibited under this permit.

D. Documentation Requirements

The Permittee must comply with documentation requirements for any operations of one hour or more in duration on any working day. The Permittee must:

1. Maintain a site log book that contains a record of the implementation of the DSMP and other permit requirements, including the installation and maintenance of BMPs, site inspection, and any monitoring conducted.
2. Take one or more representative photographs of all vessel deconstruction BMPs which the Permittee implements.
3. Date all photographs and maintain them in a logbook, with all necessary descriptive narrative of the BMPs.
4. Make documentation records available to an Ecology inspector upon request.
5. Maintain records for at least 3 years, in accordance with S10.B of this permit.

E. Education Requirements

To facilitate the consistent and effective implementation of the BMPs described in the DSMP, the Permittee must:

1. Develop a program for training its employees, and all contractors who work at the site, on BMPs and the environmental concerns related to this permit. Permittees can accomplish this in a variety of ways and should determine the method that works best for their company. For example, some companies find that regular safety meetings are a convenient time to discuss BMP implementation successes or problems in order to obtain employee input on better ways of accomplishing pollution prevention.
 - a. The program must document compliance with all applicable safety standards including applicable requirements of Chapter 296-304 WAC and 29 CFR 1915.

F. Map Contents and Requirements

The Permittee's DSMP must also include a vicinity map or general location map (for example, a USGS quadrangle map, a portion of a county or city map, or other appropriate map) with enough detail to identify the location of the deconstruction site and receiving waters.

The DSMP must also include a legible site map (or maps) showing the entire deconstruction site. The following features must be identified, unless not applicable due to site conditions:

1. Locations of structural and nonstructural controls (BMPs) identified in the DSMP.
2. Locations of off-site material, stockpiles, waste storage, and vehicle/equipment storage areas.
3. Locations of all surface water bodies, including wetlands.

4. Locations where stormwater or non-stormwater discharges off-site and/or to a surface water body, including wetlands.
5. Location of water quality sampling station(s), if sampling is required by state or local permitting authority.

S9. SOLID AND LIQUID WASTE DISPOSAL

A. Solid waste handling

- a. The Permittee must handle and dispose of solid and liquid wastes generated by deconstruction activity, such as demolition debris, deconstruction materials, contaminated materials, and waste materials from deconstruction activities in accordance with:
 - i. Special Condition S3, Compliance with Standards.
 - ii. WAC 173-216-110.
 - iii. WAC 173-303.
 - iv. Other applicable regulations.

B. Solid waste control plan

- a. The Permittee must prepare, implement, and retain on-site, a solid waste control plan. The plan may be incorporated into the Deconstruction and Site Management Plan (DSMP) and must:
 - i. Include at a minimum a description, source, anticipated generation rate, and disposal method for solid and dangerous wastes generated by the Permittee. All anticipated waste streams must be addressed.
 - ii. Describe procedures to be used for hazardous materials and dangerous waste identification, sampling, analysis, abatement, handling, storage, transport, and disposal.
 - iii. Include hazardous materials inspection results.
 - iv. Not conflict with local or state solid or dangerous waste regulations.

S10. REPORTING AND RECORDKEEPING REQUIREMENTS

A. Discharge Monitoring Reports

Permittees required to conduct water quality sampling in accordance with Special Conditions S4 and S5, and/or G13 (Additional Sampling) must submit the results to Ecology.

Permittees must submit monitoring data using Ecology's WQWebDMR program. To find out more information and to sign up for WQWebDMR go to: <http://www.ecy.wa.gov/programs/wq/permits/paris/webdmr.html>.

Permittees unable to submit electronically (for example, those who do not have an internet connection) must contact Ecology to request a waiver and obtain instructions on how to obtain a paper copy DMR at:

Mailing Address:
Department of Ecology
Water Quality Program
Attn: Vessel Deconstruction Permit
PO Box 47696
Olympia, WA 98504-7696

Permittees who obtain a waiver not to use WQWebDMR must use the forms provided to them by Ecology; submittals must be mailed to the address above. Permittees shall submit DMR forms to be received by Ecology within 15 days following the end of each month.

If there was no discharge during a given monitoring period, all Permittees must submit a DMR as required with "no discharge" entered in place of the monitoring results.

B. Records Retention

The Permittee must retain records of all monitoring information (site log book, sampling results, inspection reports/checklists, etc.), Deconstruction and Site Management Plan, and any other documentation of compliance with permit requirements for the entire life of the deconstruction project and for a minimum of three years following the termination of permit coverage. Such information must include all calibration and maintenance records, and records of all data used to complete the application for this permit. This period of retention must be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by Ecology.

C. Recording Results

For each measurement or sample taken, the Permittee must record the following information:

1. Date, place, method, and time of sampling or measurement.
2. The first and last name of the individual who performed the sampling or measurement.
3. The date(s) the analyses were performed.
4. The first and last name of the individual who performed the analyses.
5. The analytical techniques or methods used.

6. The results of all analyses.

D. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by this permit using test procedures specified by Special Condition S4 and S5 of this permit, the results of this monitoring must be included in the calculation and reporting of the data submitted in the Permittee's DMR.

E. Noncompliance Notification

In the event the Permittee is unable to comply with any of the terms and conditions of this permit which may cause a threat to human health or the environment, or exceed any numeric effluent limitation, the Permittee must:

1. Immediately notify Ecology of the failure to comply by calling the applicable Regional office phone number (find at: <http://www.ecy.wa.gov/programs/spills/other/reportaspill.htm>).
2. Immediately take action to prevent the discharge/pollution, or otherwise stop or correct the noncompliance, and, if applicable, repeat sampling and analysis of any noncompliance immediately and submit the results to Ecology within five (5) days of becoming aware of the violation.
3. Submit a detailed written report to Ecology within five (5) days, unless requested earlier by Ecology. The report must contain a description of the noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

The Permittee must report any unanticipated bypass and/or upset that exceeds any effluent limit in the permit in accordance with the 24-hour reporting requirement contained in 40 C.F.R. 122.41(l)(6)).

Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply. Refer to Section G14 of this permit for specific information regarding non-compliance.

F. Access to Plans and Records

1. The Permittee must retain the following permit documentation (plans and records) on site, or within reasonable access to the site, for use by the operator or for on-site review by Ecology or the local jurisdiction:
 - a. Permit Coverage Letter
 - b. Vessel Deconstruction General Permit
 - c. Site Log Book
 - d. Deconstruction and Site Management Plan (DSMP)

2. The Permittee must address written requests for plans and records listed above (Special Condition S10.F.1) as follows:
 - a. The Permittee must provide a copy of plans and records to Ecology within 14 days of receipt of a written request from Ecology.
 - b. The Permittee must provide a copy of plans and records to the public when requested in writing. Upon receiving a written request from the public for the Permittee's plans and records, the Permittee must either:
 - i. Provide a copy of the plans and records to the requester within 14 days of a receipt of the written request; or
 - ii. Notify the requester within 10 days of receipt of the written request of the location and times within normal business hours when the plans and records may be viewed; and provide access to the plans and records within 14 days of receipt of the written request; or

Within 14 days of receipt of the written request, the Permittee may submit a copy of the plans and records to Ecology for viewing and/or copying by the requester at an Ecology office, or a mutually agreed location. If plans and records are viewed and/or copied at a location other than at an Ecology office, the Permittee will provide reasonable access to copying services for which a reasonable fee may be charged. The Permittee must notify the requester within 10 days of receipt of the request where the plans and records may be viewed and/or copied.

S11. PERMIT FEES

The Permittee must pay permit fees assessed by Ecology. Fees for wastewater discharges covered under this permit are established by Chapter 173-224 WAC. Ecology continues to assess permit fees until the permit is terminated in accordance with Special Condition S12 or revoked in accordance with General Condition G5.

S12. NOTICE OF TERMINATION

- A. The site is eligible for termination of coverage when it has met any of the following conditions:
 1. The vessel has been either completely deconstructed or moved to an NPDES permitted facility for final deconstruction, the Permittee has removed all temporary BMPs, and all discharges associated with deconstruction activity have been eliminated; or
 2. The vessel has been sold and/or transferred (per General Condition G9), and the Permittee no longer has operational control of the deconstruction activity.

- B. When the site is eligible for termination, the Permittee must submit a complete and accurate Notice of Termination (NOT) form, signed in accordance with General Condition G2, to:

Department of Ecology
Water Quality Program – Vessel Deconstruction
PO Box 47696
Olympia, Washington 98504-7696

The termination is effective on the date Ecology receives the NOT form, unless Ecology notifies the Permittee within 30 days of receipt that the termination request is denied because the Permittee has not met the eligibility requirements in Special Condition S12.A.

Permittees transferring the vessel to a new owner or operator/permittee are required to complete and submit the Notice of Transfer form to Ecology, but are not required to submit a Notice of Termination form for this type of transaction.

GENERAL CONDITIONS

G1. DISCHARGE VIOLATIONS

All discharges and activities authorized by this general permit must be consistent with the terms and conditions of this general permit. Any discharge of any pollutant more frequent than or at a level in excess of that identified and authorized by the general permit must constitute a violation of the terms and conditions of this permit.

G2. SIGNATORY REQUIREMENTS

- A. All permit applications must bear a certification of correctness to be signed:
1. In the case of corporations, by a responsible corporate officer;
 2. In the case of a partnership, by a general partner of a partnership;
 3. In the case of sole proprietorship, by the proprietor; or
 4. In the case of a municipal, state, or other public facility, by either a principal executive officer or ranking elected official.
- B. All reports required by this permit and other information requested by Ecology must be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
1. The authorization is made in writing by a person described above and submitted to the Ecology.
 2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility, such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters.
- C. Changes to authorization. If an authorization under paragraph G2.B.2 above is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph G2.B.2 above must be submitted to Ecology prior to or together with any reports, information, or applications to be signed by an authorized representative.
- D. Certification. Any person signing a document under this section must make the following certification:
- “I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and

belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

G3. RIGHT OF INSPECTION AND ENTRY

The Permittee must allow an authorized representative of Ecology, upon the presentation of credentials and such other documents as may be required by law:

- A. To enter upon the premises where a discharge is located or where any records are kept under the terms and conditions of this permit.
- B. To have access to and copy – at reasonable times and at reasonable cost -- any records required to be kept under the terms and conditions of this permit.
- C. To inspect – at reasonable times – any facilities, equipment (including monitoring and control equipment), practices, methods, or operations regulated or required under this permit.
- D. To sample or monitor – at reasonable times – any substances or parameters at any location for purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act.

G4. GENERAL PERMIT MODIFICATION AND REVOCATION

This permit may be modified, revoked and reissued, or terminated in accordance with the provisions of Chapter 173-226 WAC. Grounds for modification, revocation and reissuance, or termination include, but are not limited to, the following:

- A. When a change occurs in the technology or practices for control or abatement of pollutants applicable to the category of dischargers covered under this permit.
- B. When effluent limitation guidelines or standards are promulgated pursuant to the CWA or Chapter 90.48 RCW, for the category of dischargers covered under this permit.
- C. When a water quality management plan containing requirements applicable to the category of dischargers covered under this permit is approved, or
- D. When information is obtained that indicates cumulative effects on the environment from dischargers covered under this permit are unacceptable.

G5. REVOCATION OF COVERAGE UNDER THE PERMIT

Pursuant to Chapter 43.21B RCW and Chapter 173-226 WAC, the Director may terminate coverage for any discharger under this permit for cause. Cases where coverage may be terminated include, but are not limited to, the following:

- A. Violation of any term or condition of this permit.

- B. Obtaining coverage under this permit by misrepresentation or failure to disclose fully all relevant facts.
- C. A change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge.
- D. Failure or refusal of the Permittee to allow entry as required in RCW 90.48.090.
- E. A determination that the permitted activity endangers human health or the environment, or contributes to water quality standards violations.
- F. Nonpayment of permit fees or penalties assessed pursuant to RCW 90.48.465 and Chapter 173-224 WAC.
- G. Failure of the Permittee to satisfy the public notice requirements of WAC 173-226-130(5), when applicable.

The Director may require any discharger under this permit to apply for and obtain coverage under an individual permit or another more specific general permit. Permittees who have their coverage revoked for cause according to WAC 173-226-240 may request temporary coverage under this permit during the time an individual permit is being developed, provided the request is made within ninety (90) days from the time of revocation and is submitted along with a complete individual permit application form.

G6. REPORTING A CAUSE FOR MODIFICATION

The Permittee must submit a new application, or a supplement to the previous application, whenever a material change to the deconstruction activity or in the quantity or type of discharge is anticipated which is not specifically authorized by this permit. This application must be submitted at least sixty (60) days prior to any proposed changes. Filing a request for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

G7. COMPLIANCE WITH OTHER LAWS AND STATUTES

Nothing in this permit will be construed as excusing the Permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.

G8. DUTY TO REAPPLY

The Permittee must apply for permit renewal at least 180 days prior to the specified expiration date of this permit.

G9. TRANSFER OF GENERAL PERMIT COVERAGE

Coverage under this general permit is automatically transferred to a new discharger, **if**:

- A. A written agreement (Transfer of Coverage Form) between the current discharger (Permittee) and new discharger, signed by both parties and containing a specific date for transfer of permit responsibility, coverage, and liability is submitted to the Director; and
- B. The Director does not notify the current discharger and new discharger of the Director's intent to revoke coverage under the general permit. If this notice is not given, the transfer is effective on the date specified in the written agreement.

G10. REMOVED SUBSTANCES

The Permittee must not re-suspend or reintroduce collected screenings, grit, solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of stormwater to the final effluent stream for discharge to state waters.

G11. DUTY TO PROVIDE INFORMATION

The Permittee must submit to Ecology, within a reasonable time, all information that Ecology may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The Permittee must also submit to Ecology, upon request, copies of records required to be kept by this permit [40 CFR 122.41(h)].

G12. OTHER REQUIREMENTS OF 40 CFR

All other requirements of 40 CFR 122.41 and 122.42 are incorporated in this permit by reference.

G13. ADDITIONAL MONITORING

Ecology may establish specific monitoring requirements in addition to those contained in this permit by administrative order or permit modification.

G14. PENALTIES FOR VIOLATING PERMIT CONDITIONS

Any person who is found guilty of willfully violating the terms and conditions of this permit shall be deemed guilty of a crime, and upon conviction thereof shall be punished by a fine of up to ten thousand dollars (\$10,000) and costs of prosecution, or by imprisonment in the discretion of the court. Each day upon which a willful violation occurs may be deemed a separate and additional violation.

Any person who violates the terms and conditions of a waste discharge permit shall incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to ten thousand dollars (\$10,000) for every such violation. Each and every such violation shall be a separate and distinct offense, and in case of a continuing violation, every day's continuance shall be deemed to be a separate and distinct violation.

G15. UPSET

Definition – “Upset” means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the Permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of the following paragraph are met.

A Permittee who wishes to establish the affirmative defense of upset must demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence that: 1) an upset occurred and that the Permittee can identify the cause(s) of the upset; 2) the permitted facility was being properly operated at the time of the upset; 3) the Permittee submitted notice of the upset as required in Special Condition S10.E., and; 4) the Permittee complied with any remedial measures required under this permit.

In any enforcement proceeding, the Permittee seeking to establish the occurrence of an upset has the burden of proof.

G16. PROPERTY RIGHTS

This permit does not convey any property rights of any sort, or any exclusive privilege.

G17. DUTY TO COMPLY

The Permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.

G18. TOXIC POLLUTANTS

The Permittee must comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if this permit has not yet been modified to incorporate the requirement.

G19. PENALTIES FOR TAMPERING

The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than two years per violation, or by both. If a conviction of a person is for a violation committed after a first conviction of such person under this condition, punishment shall be a fine of not more than \$20,000 per day of violation, or imprisonment of not more than four (4) years, or both.

G20. REPORTING PLANNED CHANGES

The Permittee must, as soon as possible, give notice to Ecology of planned physical alterations, modifications or additions to the permitted deconstruction activity. The Permittee should be aware that, depending on the nature and size of the changes to the original permit, a new public notice and other permit process requirements may be required. Changes in activities that require reporting to Ecology include those that will result in:

- A. The permitted facility being determined to be a new source pursuant to 40 CFR 122.29(b).
- B. A significant change in the nature or an increase in quantity of pollutants discharged.
- C. A change in or addition of surface water(s) receiving stormwater or non-stormwater from the deconstruction activity.
- D. A change in the deconstruction plans and/or activity that affects the Permittee's monitoring requirements in Special Condition S4.

Following such notice, permit coverage may be modified, or revoked and reissued pursuant to 40 CFR 122.62(a) to specify and limit any pollutants not previously limited. Until such modification is effective, any new or increased discharge in excess of permit limits or not specifically authorized by this permit constitutes a violation.

G21. REPORTING OTHER INFORMATION

Where the Permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to Ecology, it must promptly submit such facts or information.

G22. REPORTING ANTICIPATED NON-COMPLIANCE

The Permittee must give advance notice to Ecology by submission of a new application or supplement thereto at least forty-five (45) days prior to commencement of such discharges, of any facility expansions, production increases, or other planned changes, such as process modifications, in the permitted facility or activity which may result in noncompliance with permit limits or conditions. Any maintenance of facilities, which might necessitate

unavoidable interruption of operation and degradation of effluent quality, must be scheduled during non-critical water quality periods and carried out in a manner approved by Ecology.

G23. REQUESTS TO BE EXCLUDED FROM COVERAGE UNDER THE PERMIT

Any discharger authorized by this permit may request to be excluded from coverage under the general permit by applying for an individual permit. The discharger must submit to the Director an application as described in WAC 173-220-040 or WAC 173-216-070, whichever is applicable, with reasons supporting the request. These reasons will fully document how an individual permit will apply to the applicant in a way that the general permit cannot. Ecology may make specific requests for information to support the request. The Director will either issue an individual permit or deny the request with a statement explaining the reason for the denial. When an individual permit is issued to a discharger otherwise subject to the vessel deconstruction general permit, the applicability of the vessel deconstruction general permit to that Permittee is automatically terminated on the effective date of the individual permit.

G24. APPEALS

- A. The terms and conditions of this general permit, as they apply to the appropriate class of dischargers, are subject to appeal by any person within 30 days of issuance of this general permit, in accordance with Chapter 43.21B RCW, and Chapter 173-226 WAC.
- B. The terms and conditions of this general permit, as they apply to an individual discharger, are appealable in accordance with Chapter 43.21B RCW within 30 days of the effective date of coverage of that discharger. Consideration of an appeal of general permit coverage of an individual discharger is limited to the general permit's applicability or nonapplicability to that individual discharger.
- C. The appeal of general permit coverage of an individual discharger does not affect any other dischargers covered under this general permit. If the terms and conditions of this general permit are found to be inapplicable to any individual discharger(s), the matter shall be remanded to Ecology for consideration of issuance of an individual permit or permits.

G25. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

G26. BYPASS PROHIBITED

- A. Bypass Procedures

Bypass, which is the intentional diversion of waste streams from any portion of a treatment facility, is prohibited for stormwater events below the design criteria for stormwater management. Ecology may take enforcement action against a Permittee for bypass unless one of the following circumstances (1, 2, 3 or 4) is applicable.

1. Bypass of stormwater is consistent with the design criteria and part of an approved management practice in the applicable stormwater management manual.
2. Bypass for essential maintenance without the potential to cause violation of permit limits or conditions.

Bypass is authorized if it is for essential maintenance and does not have the potential to cause violations of limitations or other conditions of this permit, or adversely impact public health.

3. Bypass of stormwater is unavoidable, unanticipated, and results in noncompliance of this permit.

This bypass is permitted only if:

- a. Bypass is unavoidable to prevent loss of life, personal injury, or severe property damage. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass.
 - b. There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, maintenance during normal periods of equipment downtime (but not if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance), or transport of untreated wastes to another treatment facility.
 - c. Ecology is properly notified of the bypass as required in Special Condition S5.F of this permit.
4. A planned action that would cause bypass of stormwater and has the potential to result in noncompliance of this permit during a storm event.

The Permittee must notify Ecology at least thirty (30) days before the planned date of bypass. The notice must contain:

- a. a description of the bypass and its cause
- b. an analysis of all known alternatives which would eliminate, reduce, or mitigate the need for bypassing.
- c. a cost-effectiveness analysis of alternatives including comparative resource damage assessment.

- d. the minimum and maximum duration of bypass under each alternative.
 - e. a recommendation as to the preferred alternative for conducting the bypass.
 - f. the projected date of bypass initiation.
 - g. a statement of compliance with SEPA.
 - h. a request for modification of water quality standards as provided for in WAC 173-201A-110, if an exceedance of any water quality standard is anticipated.
 - i. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass.
5. For probable construction bypasses, the need to bypass is to be identified as early in the planning process as possible. The analysis required above must be considered during preparation of the Stormwater Pollution Prevention Plan (SWPPP) and must be included to the extent practical. In cases where the probable need to bypass is determined early, continued analysis is necessary up to and including the construction period in an effort to minimize or eliminate the bypass.

Ecology will consider the following before issuing an administrative order for this type bypass:

- a. If the bypass is necessary to perform construction or maintenance-related activities essential to meet the requirements of this permit.
- b. If there are feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, stopping production, maintenance during normal periods of equipment down time, or transport of untreated wastes to another treatment facility.
- c. If the bypass is planned and scheduled to minimize adverse effects on the public and the environment.

After consideration of the above and the adverse effects of the proposed bypass and any other relevant factors, Ecology will approve, conditionally approve, or deny the request. The public must be notified and given an opportunity to comment on bypass incidents of significant duration, to the extent feasible. Approval of a request to bypass will be by administrative order issued by Ecology under RCW 90.48.120.

B. Duty to Mitigate

The Permittee is required to take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment.

APPENDIX A – DEFINITIONS

303(d) Listed Waters means waterbodies listed as Category 5 on Washington State’s Water Quality Assessment.

AKART is an acronym for “all known, available, and reasonable methods of prevention, control, and treatment.” AKART represents the most current methodology that can be reasonably required for preventing, controlling, or abating the pollutants and controlling pollution associated with a discharge.

Applicant means an operator seeking coverage under this permit.

Ballast water means any water and suspended matter taken on board a vessel to control or maintain, trim, draught, stability, or stresses of the vessel, regardless of how it is carried.

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other physical, structural and/or managerial practices to prevent or reduce the pollution of waters of the State. BMPs include treatment systems, operating procedures, and practices to control: stormwater associated with deconstruction activity, drydock flooding, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Bilge water means the wastewater from a variety of sources that accumulates in the lowest part of the vessel (the bilge).

Bypass means the intentional diversion of waste streams from any portion of a treatment facility.

Calendar Day A period of 24 consecutive hours starting at 12:00 midnight and ending the following 12:00 midnight.

Calendar Week (same as Week) means a period of seven consecutive days starting at 12:01 a.m. (0:01 hours) on Sunday.

Clean Water Act (CWA) means the Federal Water Pollution Control Act enacted by Public Law 92-500, as amended by Public Laws 95-217, 95-576, 96-483, and 97-117; USC 1251 et seq.

Combined Sewer means a sewer which has been designed to serve as a sanitary sewer and a storm sewer, and into which inflow is allowed by local ordinance.

Composite Sample means a mixture of grab samples collected at the same sampling point at different times, formed either by continuous sampling or by mixing discrete samples. May be "time-composite" (collected at constant time intervals) or "flow-proportional" (collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots).

Contaminant means any hazardous substance that does not occur naturally or occurs at greater than natural background levels. See definition of “hazardous substance” and WAC 173-340-200.

Dangerous waste means wastes that designate as dangerous waste or hazardous waste under Chapter 173-303-070 WAC through Chapter 173-303-100 WAC. The term “Dangerous Wastes” includes federal Hazardous Wastes and wastes regulated only by Washington State.

Deconstruction Activity means dismantling of a vessel so that no part is left intact or undisturbed or otherwise impacted, to the extent that it can be reconstructed or readily identified as an existing portion of the original hull or superstructure. The vessel is reduced such that it has no value except for its basic material content.

Deconstruction and Site Management Plan means a documented plan to implement measures to identify, prevent, and control the contamination of point source discharges of wastewater.

Department means the Washington State Department of Ecology.

Director means the Director of the Washington Department of Ecology or his/her authorized representative.

Discharger means an owner or operator of any facility or activity subject to regulation under Chapter 90.48 RCW or the Federal Clean Water Act.

Domestic Wastewater means water carrying human wastes, including kitchen, bath, and laundry wastes from residences, buildings, industrial establishments, or other places, together with such ground water infiltration or surface waters as may be present.

Drydock means a floating structure that can be submerged to allow a vessel to enter and then floated to raise the vessel and the floor of the drydock out of the water.

Ecology means the Washington State Department of Ecology.

Equivalent BMPs means operational, source control, treatment, or innovative BMPs which result in equal or better quality of stormwater discharge to surface water or to ground water than BMPs selected from this permit.

Ground Water means water in a saturated zone or stratum beneath the land surface or a surface water body.

Grey Water means galley, bath, and shower water, as well as wastewater from lavatory sinks, laundry, and water fountains.

Hazardous Substance means any dangerous or extremely hazardous waste as defined in RCW 70.105.010 (5) and (6), or any dangerous or extremely dangerous waste as designated by rule under chapter 70.105 RCW; any hazardous sub-stance as defined in RCW 70.105.010(14) or any hazardous substance as defined by rule under chapter 70.105 RCW; any substance that, on the effective date of this section, is a hazardous substance under section 101(14) of the federal

cleanup law, 42 U.S.C., Sec. 9601(14); petroleum or petroleum products; and any substance or category of substances, including solid waste decomposition products, determined by the director by rule to present a threat to human health or the environment if released into the environment. The term hazardous substance does not include any of the following when contained in an underground storage tank from which there is not a release: crude oil or any fraction thereof or petroleum, if the tank is in compliance with all applicable federal, state, and local law.

Hull means the body or frame of a ship or boat. It is the central concept in water vessels. The hull is essentially what keep the water from entering the boat and acts as the walls and floor of the vessel.

Jurisdiction means a political unit such as a city, town or county; incorporated for local self-government.

National Pollutant Discharge Elimination System (NPDES) means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring, and enforcing permits, and imposing and enforcing pretreatment requirements, under sections 307, 402, 318, and 405 of the Federal Clean Water Act, for the discharge of pollutants to surface waters of the State from point sources. These permits are referred to as NPDES permits and, in Washington State, are administered by the Washington Department of Ecology.

Notice of Intent (NOI) means the application for, or a request for coverage under this general permit pursuant to WAC 173-226-200.

Notice of Termination (NOT) means a request for termination of coverage under this general permit as specified by Special Condition S12 of this permit.

Nephelometric Turbidity Units (NTU) means a unit measuring the lack of clarity or the turbidity of water. Water containing 1 milligram of finely divided silica per liter has a turbidity of 1 NTU.

Operator means any party associated with a deconstruction project that meets either of the following two criteria:

- The party has operational control over deconstruction plans and specifications, including the ability to make modifications to those plans and specifications; or
- The party has day-to-day operational control of those activities at a project that are necessary to ensure compliance with a DSMP for the site or other permit conditions (e.g., they are authorized to direct workers at a site to carry out activities required by the DSMP or comply with other permit conditions).

Outfall means the location where the site's stormwater discharges to surface water or leaves the site. It also includes the location where stormwater is discharged to surface waterbodies within a site, but does not include discharges to on-site stormwater treatment/infiltration devices or stormwater conveyance systems.

Permittee means individual or entity that receives notice of coverage under this general permit.

pH means a liquid's measure of acidity or alkalinity. A pH of 7 is defined as neutral. Large variations above or below this value are considered harmful to most aquatic life.

Point source means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, and container from which pollutants are or may be discharged to surface waters of the State. This term does not include return flows from irrigated agriculture. (See Fact Sheet for further explanation.)

Pollutant means dredged spoil, solid waste, incinerator residue, filter backwash, sewage, garbage, domestic sewage sludge (biosolids), munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial, municipal, and agricultural waste. This term does not include sewage from vessels within the meaning of section 312 of the CWA, nor does it include dredged or fill material discharged in accordance with a permit issued under section 404 of the CWA.

Pollution means contamination or other alteration of the physical, chemical, or biological properties of waters of the State; including change in temperature, taste, color, turbidity, or odor of the waters; or such discharge of any liquid, gaseous, solid, radioactive or other substance into any waters of the State as will or is likely to create a nuisance or render such waters harmful, detrimental or injurious to the public health, safety or welfare; or to domestic, commercial, industrial, agricultural, recreational, or other legitimate beneficial uses; or to livestock, wild animals, birds, fish or other aquatic life.

Process wastewater means any water which, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct, or waste product (40 CFR 122.1).

Qualified Marine Professional means an industry recognized professional such as a naval architect, marine engineer, or a marine chemist with the knowledge and skills to assess conditions and activities that could impact water quality, and evaluate the effectiveness of best management practices required by this permit.

Receiving water means the water body at the point of discharge. If the discharge is to a storm sewer system, either surface or subsurface, the receiving water is the water body to which the storm system discharges. Systems designed primarily for other purposes such as for ground water drainage, redirecting stream natural flows, or for conveyance of irrigation water/return flows that coincidentally convey stormwater are considered the receiving water.

Representative means a stormwater or wastewater sample which represents the flow and characteristics of the discharge. Representative samples may be a grab sample, a time-proportionate composite sample, or a flow proportionate sample.

Sanitary sewer means a sewer which is designed to convey domestic wastewater.

Sediment means the fragmented material that originates from the weathering and erosion of rocks or unconsolidated deposits, and is transported by, suspended in, or deposited by water.

Sedimentation means the depositing or formation of sediment.

Sensitive area means a water body, wetland, stream, aquifer recharge area, or channel migration zone.

SEPA (State Environmental Policy Act) means the Washington State Law, RCW 43.21C.020, intended to prevent or eliminate damage to the environment.

Significant Amount means an amount of a pollutant in a discharge that is amenable to available and reasonable methods of prevention or treatment; or an amount of a pollutant that has a reasonable potential to cause a violation of surface or ground water quality or sediment management standards.

Significant Contributor of Pollutants means a facility determined by Ecology to be a contributor of a significant amount(s) of a pollutant(s) to waters of the State of Washington.

Site means the land or water area where any "facility or activity" is physically located or conducted.

Source control BMPs means physical, structural or mechanical devices or facilities that are intended to prevent pollutants from entering stormwater. A few examples of source control BMPs are prompt removal of debris from drainage systems, maintenance of work areas, constructing roofs over storage and working areas, and collection and proper disposal of metal cutting and welding materials.

Storm drain means any drain which drains directly into a storm sewer system, usually found along roadways or in parking lots.

Storm sewer system means a means a conveyance, or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains designed or used for collecting or conveying stormwater. This does not include systems which are part of a combined sewer or Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

Stormwater means that portion of precipitation that does not naturally percolate into the ground or evaporate, but flows via overland flow, interflow, pipes, and other features of a stormwater drainage system into a defined surface water body, or a constructed infiltration facility.

Superstructure means the structure consisting of the part of a ship above the main deck.

Surface Waters of the State includes lakes, rivers, ponds, streams, inland waters, salt waters, and all other surface waters and water courses within the jurisdiction of the state of Washington.

Topside means that part of a vessel above the wales (horizontal members that aid in wall/form reinforcement and distribution of forces); now in yachts sometimes understood as the part between the water-line and deck, or the freeboard.

Total Maximum Daily Load (TMDL) means a calculation of the maximum amount of a pollutant that a water body can receive and still meet state water quality standards. Percentages of the total maximum daily load are allocated to the various pollutant sources. A TMDL is the sum of the allowable loads of a single pollutant from all contributing point and nonpoint sources. The TMDL calculations must include a "margin of safety" to ensure that the water body can be protected in case there are unforeseen events or unknown sources of the pollutant. The calculation must also account for seasonable variation in water quality.

Total Suspended Solids (TSS) means an analytical laboratory measurement of the concentration of solids suspended in water.

Treatment BMPs means BMPs that are intended to remove pollutants from stormwater. A few examples of treatment BMPs are oil/water separators, sand filters, and media filters.

Turbidity means the clarity of water expressed as nephelometric turbidity units (NTU) and measured with a calibrated turbidimeter.

Uncontaminated means free from any contaminant, as defined in MTCA cleanup regulations. See definition of "contaminant" and WAC 173-340-200.

Waste Load Allocation (WLA) means the portion of a receiving water's loading capacity that is allocated to one of its existing or future point sources of pollution. WLAs constitute a type of water quality based effluent limitation (40 CFR 130.2[h]).

Water quality means the chemical, physical, and biological characteristics of water, usually with respect to its suitability for a particular purpose.

Waters of the State includes those waters as defined as "waters of the United States" in 40 CFR Subpart 122.2 within the geographic boundaries of Washington State and "waters of the State" as defined in Chapter 90.48 RCW, which include lakes, rivers, ponds, streams, inland waters, underground waters, salt waters, and all other surface waters and water courses within the jurisdiction of the state of Washington.

APPENDIX B – ACRONYMS

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|-------|------------------------------------------------------------------------------------|
| AKART | All Known, Available, and Reasonable Methods of Prevention, Control, and Treatment |
| BMP | Best Management Practice |
| CFR | Code of Federal Regulations |
| CWA | Clean Water Act |
| DMR | Discharge Monitoring Report |
| DSMP | Deconstruction and Site Management Plan |
| EPA | Environmental Protection Agency |
| FR | Federal Register |
| NOI | Notice of Intent |
| NOT | Notice of Termination |
| NPDES | National Pollutant Discharge Elimination System |
| RCW | Revised Code of Washington |
| SEPA | State Environmental Policy Act |
| TMDL | Total Maximum Daily Load |
| USC | United States Code |
| USEPA | United States Environmental Protection Agency |
| WAC | Washington Administrative Code |
| WQ | Water Quality |