



TIDEWATER
TRANSPORTATION & TERMINALS

FedEx 7796 9396 7700

July 20, 2017

Attn: Hila Ritter
Metro
Solid Waste Compliance and Cleanup
600 NE Grand Avenue
Portland, OR 97232-2736

**RE: Solid Waste Facility License Application
Tidewater Barge Lines
Facility: Sundial Marine Construction and Repair, Inc.
5605 NE Sundial Road
Troutdale, Oregon 97060**

Please find the enclosed application package for a Solid Waste Facility License. Tidewater Barge Lines (Tidewater) intends to operate a vessel recovery facility at their Sundial Marine Construction and Repair, Inc. site located in Troutdale, Oregon (facility). The facility will accept vessels (e.g. boats and barges), identify waste and recyclable materials on the vessel, deconstruct the vessel, and transfer the materials to containers for transport and proper disposal. Tidewater's facility intends to receive these vessels via the Columbia River. Initially, the facility plans to accept derelict vessels from the State of Oregon submerged land lease 20960-ML near Goble, Oregon. On June 26, 2017 the State of Oregon released a formal request for proposal for the 'Clean Up & Disposal of Goble Site.' The Goble site has approximately 10 derelict vessel that require proper disposal. The facility plans to accept vessels when approved by Metro, DEQ, and the State of Oregon and when the Goble project begins and will continue to operate as long as there is a need for the facility to accept vessels for proper disposal.

The following items are enclosed:

- Completed Application for a Solid Waste Facility License;
- Tax lot Map with facility identified;
- Aerial photograph with the location of all structures within a one mile identified;
- Vessel Recovery Facility Design and Operations Plan, which includes facility Site Plan;
- Certificate of Liability Insurance;
- Completed Land Use Compatibility Statement;
- Completed Property Use Consent Form;
- Copy of facility's DEQ Stormwater Permit;
- Copy of application submittal for a DEQ Solid Waste Letter Authorization Permit; and
- Check for application fee totaling \$300

Please contact me at (360) 693-1491 if you have any questions concerning this application or if you require additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stephanie Kranz', with a stylized flourish at the end.

Stephanie Kranz
Environmental Manager

Enclosures



Solid Waste Facility License Application

Application packet for a new license, license renewals, change of authorization requests, or change in ownership for facilities that:

- Process non-putrescible (dry) waste
- Reload solid waste
- Compost or reload yard debris

Issued June 2016

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503-797-1835

Solid Waste Facility License Application



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This packet contains an application for a Metro Solid Waste Facility License. You may also want to review the relevant sections of Metro Code. Metro Code Chapter 5.01 identifies which solid waste facilities and activities require a Metro license. You can access the Metro Code via the Metro web site at www.oregonmetro.gov/metro-code.

Metro staff will review an application for completeness within 15 business days of receipt and notify the applicant whether their application is deemed to be complete. If an application is incomplete, Metro will notify the applicant as to what additional information is required.

Application for a new Solid Waste Facility License

An applicant seeking a new Metro Solid Waste Facility License must first attend a pre-application conference before submitting an application. The purpose of the pre-application conference is for Metro to obtain a description of the proposed solid waste facility and provide the applicant with information regarding the applicable requirements for the proposed operation. The conference also provides the applicant with an opportunity to discuss the application process and to identify any potential issues specific to its proposal. An applicant should prepare for the pre-application conference by reviewing application forms and drafting answers before the conference. To schedule a pre-application conference, contact Metro's Solid Waste Compliance and Cleanup Division at 503-797-1835 or via email at SWCC@oregonmetro.gov.

After completing the pre-application conference, an applicant seeking a new license must submit to Metro a completed *Solid Waste Facility License Application* form and provide all additional information as required. Metro will generally approve or deny a new license within 120 days after Metro deems the application to be complete. The fee for filling a license application is \$300. See Metro Code Chapter 5.01 for more information regarding the issuance of a license.

Renewal of an Existing License

An applicant seeking to renew an existing license without substantive changes to the current authorization must submit a completed *Solid Waste Facility License Application* form and provide all additional information as required, unless Metro staff directs otherwise. License renewal applications must be submitted not less than 120 days before the current license expires. If a licensee fails to timely submit a renewal application, the licensee's authority to operate may lapse. Additionally, the Chief Operating Officer is not obligated to renew a license earlier than the expiration date of the existing license even if the licensee files a renewal application more than 120 days before the existing license expires. The fee for filing a license renewal application is \$300. See Metro Code Chapter 5.01 for more information regarding the renewal of licenses.

Change of Authorization to an Existing License

An applicant seeking a change of authorization for an existing license (other than renewal) must submit to Metro a completed *Solid Waste Facility License Application* form and provide all additional information as required unless Metro staff directs otherwise. The applicant cannot implement the requested change of authorization until Metro approves it in writing. The fee for filing a change of authorization application is \$100. See Metro Code Chapter 5.01 for more information regarding changes of authorization for licenses. Metro may require the applicant to apply for a new license if there is a significant change in the types of solid waste accepted or activities performed at a facility.

Transfer of Ownership or Control of an Existing License

An applicant seeking to transfer ownership or control of an existing license must submit to Metro a completed *Solid Waste Facility License Application* form and provide all additional information as required, unless Metro staff directs otherwise. See Metro Code Chapter 5.01 for more information regarding requirements for the transfer of ownership for a licensed facility.

Solid Waste Facility License Application



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INSTRUCTIONS

1. Complete Parts 1 and 2 of application.
2. Verify information is accurate and application is complete.
3. Sign page 14 of application.
4. Include application fee payment
5. Submit application and payment to:
Metro
Solid Waste Compliance and Cleanup
600 NE Grand Avenue
Portland, OR 97232-2736
Tel: (503) 797-1835
Fax: (503) 813-7544
SWCC@oregonmetro.gov

Metro use only
DATE RECEIVED: JUL 21 17 RCVD
DATE DEEMED COMPLETE BY METRO:

PART 1 – Standard License Application Information

1. Type of Application (please check one)	
<input checked="" type="checkbox"/>	New license Date of Pre-Application Conference: 6/22/2017
<input type="checkbox"/>	Renewal of an existing license Solid Waste Facility License Number:
<input type="checkbox"/>	Change of authorization to an existing license (other than a renewal) Please describe the proposed change below in Section 3.
<input type="checkbox"/>	Transfer of ownership or control of an existing license

2. Type of facility (please check one)	
<input checked="" type="checkbox"/>	Non-putrescible (dry) waste material recovery facility
<input type="checkbox"/>	Source-separated food waste reload facility
<input type="checkbox"/>	Yard debris reload facility
<input type="checkbox"/>	Other solid waste reload facility
<input type="checkbox"/>	Yard debris composting facility

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3. If seeking a change of authorization to an existing license, please explain the proposed change below (attach additional pages if necessary). Complete all remaining sections of this form as they pertain to the request.

[Empty space for providing details on license changes]

4. Applicant (Licensee)

Facility Name:	Sundial Marine Construction & Repair, Inc.
Company Name:	Tidewater Barge Lines
Street Address:	5605 NE Sundial Rd
City/State/Zip:	Troutdale, OR 97060-9504
Mailing Address:	PO Box 1210
City/State/Zip:	Vancouver, WA 98666
Contact Person:	Stephanie Kranz
Phone Number:	360.693.1491
Fax Number:	360.694.8981
E-mail Address:	stephanie.kranz@tidewater.com

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5. Applicant's Owner or Parent Company (provide information for all owners)

Name:	Tidewater Holdings, Inc.
Mailing Address:	PO Box 1210
City/State/Zip:	Vancouver, WA 98666
Phone Number:	360.693.1491
Fax Number:	360.694.8981
E-mail Address:	stephanie.kranz@tidewater.com

6. Site Operator (if different from Applicant)

Company Name:	Global Diving & Salvage, Inc.
Contact Person:	Aaron Harrington
Street Address:	3840 W Marginal Way SW
Mailing Address:	3840 W Marginal Way SW
City/State/Zip:	Seattle, WA 98106
Phone Number:	206.623.0621
Fax Number:	206.932.9036
E-mail Address:	aharrington@gdiving.com

7. Site Description

Tax Lot(s): 400, 100	Section: 22	Township: 1 North	Range: 3 East
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8. Land Use

Present Land Use Zone:	Urban Planning Area - GI	
Is proposed use permitted outright?	<input checked="" type="checkbox"/> Yes If yes, attach a copy of the <i>Land Use Compatibility Statement</i> (see Attachment E).	<input type="checkbox"/> No
Is a conditional use permit necessary for the facility?	<input type="checkbox"/> Yes If yes, attach a copy of the <i>Conditional Use Permit</i>	<input checked="" type="checkbox"/> No
Are there any land use issues presently pending with the site?	<input type="checkbox"/> Yes If yes, please explain the land use issues below.	<input checked="" type="checkbox"/> No

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Description of the pending land use issues identified above:		
Are any permits required from the Oregon Department of Environmental Quality (DEQ)?	<input checked="" type="checkbox"/> Yes If yes, please list all DEQ permits below and attach copies with this application (see Attachment G).	<input type="checkbox"/> No
Listing of all required DEQ permits:	The site has an existing National Pollutant Discharge Elimination System Waste Discharge Permit for Stormwater. Tidewater is currently working with DEQ the change stormwater permit to a 1200-Z.	
Are any other local permits or building codes required?	<input type="checkbox"/> Yes If yes, please list all other required permits below and attach copies with this application (see Attachment H).	<input checked="" type="checkbox"/> No
Listing of other required permits:		

9. Land Owner		
Is the applicant the sole owner of the property on which the facility is located?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No If no, please complete this section with additional pages if necessary and attach a completed <i>Property Use Consent Form</i> (see Attachment F).
Property Owner:	Hickey Family Companies	
Mailing Address:	5701 SE Columbia Way, Ste 200	
City/State/Zip:	Vancouver, WA 98661	
Phone Number:	(360) 604 4333	

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10. Public/Commercial Operations		
Will the facility be open to the public (e.g., non-commercial self-haul customers)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Will the facility be open to non-affiliated commercial solid waste collectors?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Will the facility accept waste from outside the boundary of Metro?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

11. Operating Hours and Traffic Volume			
	Public (non-commercial self-haul)	Commercial Affiliated	Commercial Non-Affiliated
Operating Hours	NA	NA	NA
Estimated Vehicles Per Day	NA	NA	NA

12. Inbound Waste/Feedstock by Generator			
Identify the expected annual tonnage amount of waste/feedstock that the facility will receive and recover from the following types of generators.			
Generator	Tons Received	Tons Recovered	Tons Residual
Agricultural:	NA	NA	NA
Commercial:	NA	NA	NA
Industrial:	132	132	NA
Residential:	NA	NA	NA
TOTAL TONS:	132	132	NA

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13. Inbound Waste/Feedstock by Type

Identify the types of waste/feedstock and annual tonnage amounts of each that the applicant expects to receive at the facility. Also, identify how the applicant will manage each waste stream, the expected tip fees that the applicant will be post at the facility, and estimate of typical length of time required to process each waste stream (attach additional pages if necessary).

Waste/Feedstock Type	Accepted at Facility	Expected Annual Tonnage Amount	Type of Activity to be Performed on Waste	Expected Tip Fee (per Ton)	Estimate the maximum and typical lengths of time required to process each day's receipt of each waste/feedstock type
Source-Separated Wood:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NA	NA	NA	NA
Source-Separated Yard Debris:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NA	NA	NA	NA
Source-Separated Residential Food Waste Mixed with Yard Debris:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NA	NA	NA	NA
Source-Separated Commercial and other Food Waste:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NA	NA	NA	NA
Inerts (e.g., rock, concrete, etc.):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2 tons (est.)	Remove from vessel, disposal	NA	NA – waste not received daily, vessels are acquired, then inerts are removed as applicable
Non-putrescible (dry) waste:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	125 tons (est.)	Remove from vessel, disposal	NA	NA – waste not received daily, vessels are acquired, then waste is removed as applicable
Source-Separated Recyclables:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NA	NA	NA	NA
Special Wastes (please specify): Liquids, sludges, petroleum products	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5 tons (est.)	Remove from vessel, disposal or reclamation	NA	NA – waste not received daily, vessels are acquired, then special wastes are removed as applicable
Petroleum Contaminated Soil:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NA	NA	NA	NA
Putrescible (wet) waste:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NA	NA	NA	NA
Other Waste/Feedstocks (please specify):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NA	NA	NA	NA

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Other Waste/Feedstocks (please specify):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NA	NA	NA	NA
Other Waste/Feedstocks (please specify):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NA	NA	NA	NA

14. Outbound Waste, Products, and By-Products

List the expected destination and amount of each type of outbound solid waste, products or by-products that the applicant expects to transport from the facility (attach additional pages if necessary).

Destination Site (Name and address)	Waste/Product/By-Product Type	Expected Annual Tonnage	Purpose of Delivery*
Schnitzer Steel 12005 N Burgard Road Portland, OR 97203 US	Scrap Metal	25 tons (est.)	Recycling
Oil Re-Refining Company 4150 N Suttle Rd, Portland, OR 97217	Wastewater	5 ton (est.)	Recycling/reclamation
Waste Management 3205 SE Minter Bridge Rd, Hillsboro, OR 97123	Solid Waste (Non-putrescible)	100 tons (est.)	Disposal
Waste Management 17629 Cedar Springs Ln, Arlington, OR 97812	Hazardous Waste	0.5 ton (est.)	Disposal

*For example: disposal, recovery, land reclamation, beneficial use, etc

15. Subcontractors

Provide the name, address and function of all subcontractors involved in the facility operations:

NAME	ADDRESS	FUNCTION
Tidewater Environmental Services, Inc. (dba West Coast Marine Cleaning)	3501 Thompson Avenue Vancouver, WA 98660	Vacuum truck operation, industrial cleaning, drop box service

PART 2 – Standard Attachments to License Application (License application continued)

- Metro requires the following attachments (Attachments A– I) for new applications in order for Metro to deem a license application complete. The applicant must clearly label each attachment.
- Application submittals such as facility design, building plans, site plans and specifications must be prepared, as appropriate, by persons licensed in engineering, architecture, landscape design, traffic engineering, air quality control, and design of structures.
- An applicant seeking to renew an existing license without substantive changes to the current authorization may defer to previously submitted documents if Metro has the most current version of all attachments (Attachments A- I) on file, unless otherwise directed by Metro staff. The date of the document on file with Metro is required for each deferred attachment. To confirm that Metro has current documentation on file, please contact Metro’s Solid Waste Compliance & Cleanup Division at (503) 797-1835 or via email at SWCC@oregonmetro.gov.

ATTACHMENT A: SITE PLAN
The applicant must submit a facility site plan that includes scaled maps and drawings showing the location of the facility at an appropriate scale, and no smaller than one inch equals 30 feet. Applicant must provide the following information on the site plan:
(1) The location of the facility on a tax lot map.
(2) Boundaries of the facility and property including all tax lots.
(3) All buildings on the property (existing and proposed) and other pertinent information with respect to the operation of the facility, to include: <ul style="list-style-type: none"> a) scale and scale house location b) fencing and gates c) access roads d) paved areas e) vegetative buffer zones and berms f) sorting line and other major materials recovery equipment
(4) All exterior stockpile footprints, material types stored outside, and the maximum height of each exterior material stockpile.
(5) Identify water sources for fire suppression.
(6) Identify on-site traffic flow patterns.
(7) Facility signage. Facility signs must: <ul style="list-style-type: none"> a) display all of the information required by Metro b) be posted at all public entrances to the facility; and c) conform with local government signage regulations.

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- (8) All receiving, processing, reload and storage areas, as applicable, for solid waste, source-separated recyclable materials, yard debris, recovered materials, product/by-products, waste residuals, exterior stockpiles, hazardous waste, and other materials.
- (9) Load checking areas (as applicable).
- (10) Storage areas for the temporary containment of prohibited waste that the facility inadvertently receives, while awaiting proper removal or disposal of the prohibited waste. The facility must cover and enclose the containment areas and construct them in a manner to prevent leaking and contamination.
- (11) The location of all commercial and residential structures within a one mile radius of the facility, identified on a map or aerial photograph.
- (12) The prevailing wind direction, by season, identified on a map or aerial photograph. (Compost facility only).

FACILITY RENEWAL APPLICANTS ONLY:

By checking this box, I certify that to the best of my knowledge, the Site Plan on file with Metro dated _____ is the most current and accurate version of this document.

ATTACHMENT B: FACILITY DESIGN PLAN

The applicant must submit a facility design plan that addresses the following:

- (1) All solid waste facility license applicants must submit a written description of the following:
 - a) Facility overview.
 - b) Facility design and technology.
 - c) Buildings and major equipment (existing and proposed).
 - d) Construction timeline (as applicable).
 - e) Types of wastes to be processed.
 - f) Residuals management.
- (2) A compost facility must submit a written description of the following (in addition to the items listed above in subsection 1):
 - a) Feedstock receiving procedures.
 - b) Feedstock pretreatment and contaminant removal procedures and equipment (as applicable).
 - c) Feedstock processing details and methods. Dewatering and liquids management (as applicable).
 - d) Pathogen reduction / control procedures (as applicable).
 - e) Monitoring, quality control and testing.

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(3) Dust, odor, airborne debris and litter.

- a) Submit a proposed design or existing design plan that identifies the location of all areas for load checking, receiving/tipping, mixing, processing, reloading, and storage for all materials.
- o **Compost facility only:** Also, provide locations for compost/curing piles/windrows, aeration systems including bio-filters or enclosed structures to prevent odors from being detected offsite.
- b) Describe control measures to prevent odors, fugitive dust, airborne debris and litter. Describe how the facility design will provide for shrouding and dust prevention for the receiving area, processing area, storage area, reload area, and all waste processing equipment and all conveyor transfer points where dust is generated.

(4) Fire prevention.

Submit proof of compliance with local and state fire codes.

(5) Adequate vehicle accommodation.

Provide documentation to demonstrate that the facility will provide adequate on-site areas at the facility's entrance, scales, loading and unloading points and exit points to allow safe queuing off the public roads and right-of-way given the number and types of vehicles expected to use the facility during peak times.

(6) Water contaminated by solid waste and solid waste leachate.

Submit a DEQ (or equivalent) approved plan with pollution control measures to protect surface and ground waters, including runoff collection and discharge and equipment cleaning and washdown water.

FACILITY RENEWAL APPLICANTS ONLY:

By checking this box, I certify that to the best of my knowledge, the Facility Design Plan on file with Metro dated _____ is the most current and accurate version of this document.

ATTACHMENT C: OPERATING PLAN

The applicant must submit an operating plan for review and approval by Metro. This section lists the procedures that the applicant must include in the required facility operating plan. The applicant must submit a proposed facility operating plan with the completed license application subject to any additional elements as required in the license - if one is approved and issued. The operating plan must include, at a minimum a detailed description of:

(1) Types of solid wastes the facility will accept.

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(2) How the facility will further recycling or material recovery processing within the Metro region (as applicable). The description should address each of the following:

- a) How you will distinguish and manage loads of incoming source-separated recyclables from other materials.
- b) The steps you will take to recover materials from solid waste. Include the material recovery methods and equipment to be used on site (e.g. sorting lines, hand picking, magnets, etc.).
- c) How you will manage the materials and wastes and the type of equipment that you will use (from delivery to reload and transport to a processing or disposal facility).
- d) The general markets for the material recovered at the facility.
- e) The methods you will use for measuring and keeping records of materials received, recovered from processing, and solid waste disposed - consistent with Metro's reporting requirements.

(3) Procedures for inspecting loads including:

- a) Procedures for inspecting incoming loads for the presence of prohibited or unauthorized wastes.
- b) A set of objective criteria for accepting and rejecting loads.
- c) An asbestos testing protocol for all material that appears as if it may contain asbestos.

(4) Procedures for processing and storage of loads including:

- a) Processing of all authorized solid wastes.
- b) Reloading and transfer of authorized solid wastes.
- c) Managing stockpiles.
- d) Storing authorized solid wastes
- e) Minimizing storage times and avoiding delay in processing and managing of all authorized solid wastes and recovered materials.

(5) Procedures for rejecting or managing prohibited wastes. The operating plan must describe procedures for rejecting, managing, reloading and transporting to an appropriate facility or disposal site any prohibited or unauthorized wastes discovered at the facility. The plan must include procedures for managing:

- a) Hazardous wastes.
- b) Other prohibited solid wastes (e.g., putrescible (wet) waste, special waste, asbestos).
- c) Procedures and methods for notifying generators not to place hazardous wastes or other prohibited wastes in drop boxes or other collection containers destined for the facility.

(6) Procedures for odor prevention. The operating plan must establish procedures for preventing all objectionable odors from being detected off the premises of the facility. The plan must include:

- a) A management plan that the facility will use to monitor and manage all objectionable odors of any derivation including malodorous loads delivered to the facility.
- b) Procedures for receiving and recording odor complaints, immediately investigating any odor complaints to determine the cause of odor emissions, and promptly remedying any odor problem at the facility.

(7) Procedures for emergencies. The operating plan must describe procedures that the facility will follow in case of fire or other emergency.

(8) Procedures for preventing and controlling nuisances, including noise, vectors, dust, litter, and odors. Include a description of how the facility will encourage delivery of waste in covered loads.

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(9) Procedures for fire prevention, protection, and control measures used at the facility.

FACILITY RENEWAL APPLICANTS ONLY:

By checking this box, I certify that to the best of my knowledge, the Operating Plan on file with Metro dated _____ is the most current and accurate version of this document.

ATTACHMENT D: INSURANCE

The applicant must submit proof of the following types of insurance, covering the applicant, its employees, and agents:

- (1) The most recently approved ISO (Insurance Services Office) Commercial General Liability policy, or its equivalent, written on an occurrence basis. The policy must include coverage for bodily injury, property damage, personal injury, death, contractual liability, premises and products/completed operations. All insurance coverage must be a minimum of \$1,000,000 per occurrence and \$1,000,000 aggregate.
- (2) Automobile bodily injury and property damage liability insurance must be a minimum of \$1,000,000 per occurrence and \$1,000,000 aggregate.
- (3) The insurance must name Metro, its elected officials, departments, employees, and agents as ADDITIONAL INSURED on the Commercial General Liability and automobile insurance policies.
- (4) Certification of Workers' Compensation insurance including employer's liability. If the applicant or licensee has no employees and will perform the work without the assistance of others, you may attach a certificate to that effect in lieu of the certificate showing current Workers' Compensation.

FACILITY RENEWAL APPLICANTS ONLY:

By checking this box, I certify that to the best of my knowledge, the Insurance on file with Metro dated _____ is the most current and accurate version of this document.

ATTACHMENT E: LAND USE COMPATIBILITY STATEMENT (LUCS)

The applicant must submit the following information:

A copy of a completed Metro LUCS or DEQ LUCS. The Metro LUCS is available at www.oregonmetro.gov/solidwasteforms.

FACILITY RENEWAL APPLICANTS ONLY:

By checking this box, I certify that to the best of my knowledge, the LUCS on file with Metro dated _____ is the most current and accurate version of this document.

ATTACHMENT F: PROPERTY USE CONSENT FORM

The applicant must submit the following information:

If required in Part 1, section 9, of this application. The Property Use Consent Form is available at www.oregonmetro.gov/solidwasteforms.

FACILITY RENEWAL APPLICANTS ONLY:

By checking this box, I certify that to the best of my knowledge, the Property Use Consent Form on file with Metro dated _____ is the most current and accurate version of this document.

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ATTACHMENT G: DEQ PERMIT APPLICATIONS AND INFORMATION

The applicant must submit the following information:

A copy of all applications for necessary DEQ permits and any other information required by or submitted to DEQ, including closure plans, financial assurance for the costs of closure of the facility, and conditional use permit or land use compatibility statement, if applicable.

FACILITY RENEWAL APPLICANTS ONLY:

By checking this box, I certify that to the best of my knowledge, the DEQ permit or applications on file with Metro dated _____ is the most current and accurate version of this document.

ATTACHMENT H: OTHER REQUIRED PERMITS

The applicant must submit the following information:

A copy of any required permit, license or franchise that a governing body or agency (whether federal, state, county, city or other) has granted or issued to the applicant (not including materials required by Attachment G). If the governing body or agency has not yet issued the required permit, license or franchise, the applicant must provide a copy of the application it submitted. Metro may also request copies of correspondence pertaining to any required permit, license or franchise.

FACILITY RENEWAL APPLICANTS ONLY:

By checking this box, I certify that to the best of my knowledge, all other required permits on file with Metro dated _____ are the most current and accurate version of these documents.

ATTACHMENT I: CLOSURE PLAN AND FINANCIAL ASSURANCE

The applicant must submit the following information:

- (1) If DEQ requires a closure plan and financial assurance, the applicant must include copies of these documents with the application per Attachment G.
- (2) If DEQ does **not** require a closure plan for the facility, attach a closure document describing closure protocol and associated costs. Closure means those activities associated with restoring the site to its condition before the applicant engaged in the licensable activity. Closure may include, but is not limited to, removal of all on-site solid waste stockpiles accumulated after Metro issued a Metro Solid Waste Facility License. The closure plan is the written protocol that specifies the activities required to properly close the facility and cease further solid waste activities.
- (3) If DEQ does **not** require any financial assurance for the costs of closure of the facility, applicant must attach proof of financial assurance for the costs of closure of the facility. Cost of closure means the costs associated with restoring the site to its condition before the applicant engaged in the licensable activity.

These costs may include but are not limited to:

- a) The cost to load and transport accumulated solid waste stockpiles to an authorized disposal site or recycling facility;
- b) The cost to "tip" the waste at an authorized landfill or recycling facility; and
- c) Other related costs such as site grading or additional disposal costs associated with

restoring the site.

Examples of acceptable forms of financial assurance include, but are not limited to, the following: surety bond, irrevocable letter of credit, closure insurance, escrow account.

If the DEQ does not issue a permit or require financial assurance, then Metro may waive the requirement for financial assurance if the applicant demonstrates that the cost to implement the closure plan will be less than \$10,000.

FACILITY RENEWAL APPLICANTS ONLY:

By checking this box, I certify that to the best of my knowledge, the closure plan on file with Metro dated _____ is the most current and accurate version of this document.

PUBLIC NOTICE AND CONFIDENTIAL INFORMATION

This application and all of the supporting documentation that the applicant provides is subject to Metro's public notice procedures. Metro will notify and provide the public with an opportunity to review and comment on the proposed application. The public notice may include, but is not limited to, posting the complete application on Metro's website.

The applicant may identify as confidential any reports, books, records, maps, plans, income tax returns, financial statements, contracts and other similar written materials of the applicant that are directly related to the proposed application and that are submitted to or reviewed by Metro. The applicant must prominently mark any information that it claims confidential with the mark "CONFIDENTIAL" before submitting the information to Metro. Subject to the limitations and requirements of ORS Chapter 192 (public records law) and other applicable laws, Metro will treat as confidential any information so marked and will make a good faith effort to not disclose that information unless Metro's refusal to disclose the information would be contrary to applicable Oregon law.

Within five days of Metro's receipt of a request for disclosure of information identified by the applicant (or licensee) as confidential, Metro will provide the applicant (or licensee) written notice of the request. The applicant (or licensee) will have three days within which time to respond in writing to the request before Metro determines, at its sole discretion, whether to disclose any requested information. The applicant (or licensee) must pay any costs incurred by Metro as a result of Metro's efforts to remove or redact any confidential information from documents that Metro produces in response to a public records request. These conditions do not limit the use of any information submitted to or reviewed by Metro for regulatory purposes or in any enforcement proceeding. In addition, Metro may share any confidential information with representatives of other governmental agencies provided that, consistent with Oregon law, those representatives agree to continue to treat the information as confidential and make good faith efforts to not disclose the information.

Solid Waste Facility License Application



Metro

600 NE Grand Ave.
Portland, OR 97232
503-797-1835

APPLICANT CERTIFICATION

An authorized agent of the applicant must sign this application. Metro will not accept an application without a signature.

I certify that the information contained in this application is true and correct to the best of my knowledge. I agree to notify Metro within 10 days of any change in the information submitted as a part of this application.

SIGNATURE OF AUTHORIZED AGENT _____

TITLE Environmental Manager

PRINT NAME Stephanie Kranz

DATE 7/14/17 PHONE 360.759.0305

EMAIL Stephanie.kranz@tidewater.com

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STRUCTURES WITHIN ONE MILE OF SUNDIAL SITE



Google Earth



TIDEWATER BARGE LINES

PO Box 1210
Vancouver, WA 98666

**VESSEL RECOVERY FACILITY
DESIGN AND OPERATIONS PLAN**

Facility Location:

Sundial Marine Construction & Repair, Inc.
5605 NE Sundial Road
Troutdale, OR 97060

Prepared in Accordance with:

Metro Solid Waste Facility License Application
Oregon DEQ Solid Waste Letter Authorization Permit Application

July 2017

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FIGURES

Figure 1 Site Location Map

Figure 2 Site Plan

APPENDIX A

Appendix A Best Management Practices

1.0 INTRODUCTION

The purpose of this plan is to establish procedures to accept and process vessel-derived waste in a manner that protects the public and the environment, in accordance with the rules and requirements of the Oregon Department of Environmental Quality (DEQ) and Metro.

Tidewater Barge Lines (Tidewater) intends to operate a vessel recovery facility at their Sundial Marine Construction and Repair, Inc. site located in Troutdale, Oregon (facility). The facility will accept vessels (e.g. boats and barges), identify waste and recyclable materials on the vessel, deconstruct the vessel, and transfer the materials to containers for transport and proper disposal. Tidewater's facility intends to receive these vessels via the Columbia River. Initially, the facility plans to accept derelict vessels from the State of Oregon submerged land lease 20960-ML near Goble, Oregon. On June 26, 2017 the State of Oregon released a formal request for proposal for the 'Clean Up & Disposal of Goble Site.' The Goble site has approximately 10 derelict vessel that require proper disposal. The facility plans to accept vessels when approved by Metro, DEQ, and the State of Oregon and when the Goble project begins and will continue to operate as long as there is a need for the facility to accept vessels for proper disposal.

2.0 FACILITY DESCRIPTION

2.1 Site Location and Topography

Sundial Marine Construction and Repair, Inc. is located at 5605 NE Sundial Road in Troutdale, Oregon (facility) on the south shore of the Columbia River near River Mile 120 (see Figure 1). The facility is located north of the City of Troutdale in Multnomah County in Section 22, Township 1 North, Range 3 East and consists two tax lots, 400 and 100 covering approximately 21 acres. The topography of the site is generally flat with lower wetland areas within the southern 1/3 of the property. Surface elevations generally range between 20 and 35 feet above mean seal level

2.2 Facility Layout, Site Access and Egress

Current facility structures include the main office, a shop building, and the former Pre-Fab Construction Platform. See Figure 2 for Site Plan. A spud barge referred to as the "Irrigon" extends into the Columbia River serves as a working platform and area to tie off vessels. The area referred to as the "Ways" is a vessel launch and receiving and point to/from the river and an upland vessel deconstruction area. The Ways has a gradual downward slope to the Columbia River and is covered by gravel, steel rails, and isolated concrete piers.

The facility operated as a ship construction and repair facility for approximately 40 years. Operational areas are considered to be the portions of the facility that are paved with gravel or asphalt; these areas have historically been used for industrial activities. The facility's upland and dock operational areas cover a total of approximately 7 acres. No industrial activities or material storage will take place in the non-operational areas of the site, which consist of vegetated areas and the river bank.

Access to the facility is via a paved extension of Sundial Road that ends at the facility or via a river-going vessel from the Columbia River. The facility is completely fenced, with controlled access at a gate and security office located near the center of the facility's eastern property line.

2.3 Stormwater Management

Facility stormwater is managed under DEQ National Pollutant Discharge Elimination System (NPDES) Waste Discharge Permit, permit number 102890 issued in 2006. Tidewater is currently working with the DEQ to transition the current stormwater permit in to a NPDES 1200-Z General Permit.

Most of the facility's stormwater infiltrates into pervious surfaces, including gravel and vegetated areas, which cover approximately 92% of the site. The remaining stormwater leaves the site through outfalls or by minimal sheet flow into the Columbia River. Impervious surfaces include structures and the paved facility entrance and parking area.

One permanent outfall, Outfall #002, is located at the facility. Outfall #002 receives stormwater, from the area in between the Shop and Main Office buildings and building roof drainage through one catch basin.

Tidewater developed both general and activity specific best management practices (BMPs) for the facility to prevent, to the maximum extent practicable, stormwater runoff contamination. BMPs are included in Appendix A.

3.0 GENERAL FACILITY OPERATION

3.1 Inspection, Storage, and Processing of Loads

Vessels will be inspected prior to acceptance and transport to the facility. Vessels that are stable and can be towed to the facility will be staged at the Irrigon and moved onto the facility via the Ways where vessel deconstruction and waste removal will take place. A plastic liner will be used when deconstructing vessels on land whenever possible. Derelict vessels will be transported to the site via a deck barge or other vessel. The deck barge will be tied off to the Irrigon and vessel deconstruction and waste removal will take place on the deck barge.

Waste and recyclable materials recovered from vessels will be placed directly in containers (e.g. drop boxes, dump trucks, vacuum tanker trucks). Wastes will not be stored on the ground or in stockpiles. Vessels deconstructed on the Ways will have containers staged alongside the Ways for material receipt. An excavator with shears may be used to deconstruct vessels. Materials from derelict vessels on deck barges will be transferred via crane to containers staged on the Irrigon. Containers will be covered after loading and during transport. Loaded containers will be staged near the site entrance if they cannot be taken offsite immediately. Truck logs, bills of lading, and scale ticket records will be maintained to track the materials shipped offsite.

3.2 Nuisance Control

Nuisances including noise, vectors, dust, litter, and odor will be controlled using BMPs described in Appendix A. Good housekeeping and preventative maintenance will help to prevent nuisance occurrence.

Noises generated by operations at the facility are consistent with normal industrial noise levels. The facility is located in an industrial area and buffered by vegetation on three sides. No residences are located within a mile from the facility and it is zoned General Industrial.

The facility will not accept wastes, such as putrescible waste, that would typically attract vectors or create odor problems. If vectors become a problem, a pest control company will be consulted to determine appropriate control measures.

Dust has typically not been a problem at the site due to the paved access ways and established gravel cover. Additionally, minimal vehicle traffic is expected at the site. Derelict vessels will be received via the Columbia River. Truck traffic will primarily consist of contractors picking up drop boxes and other waste containers, which will occur on an intermittent basis.

4.0 WASTE STREAMS

The following materials are typical in the dismantling and deconstruction of vessels:

- **Solid Waste (CDL):** Loose debris and material that can be disposed of at a subtitle D landfill.
- **Metals:** All ferrous and non-ferrous metals will be separated and recycled at local recycling facilities.
- **Liquid Waste:** Typical liquids encountered on board consist of hydrocarbons, potable water, and black water. All liquids will be analyzed for proper disposal and to avoid contaminating the larger volume of liquids collected.

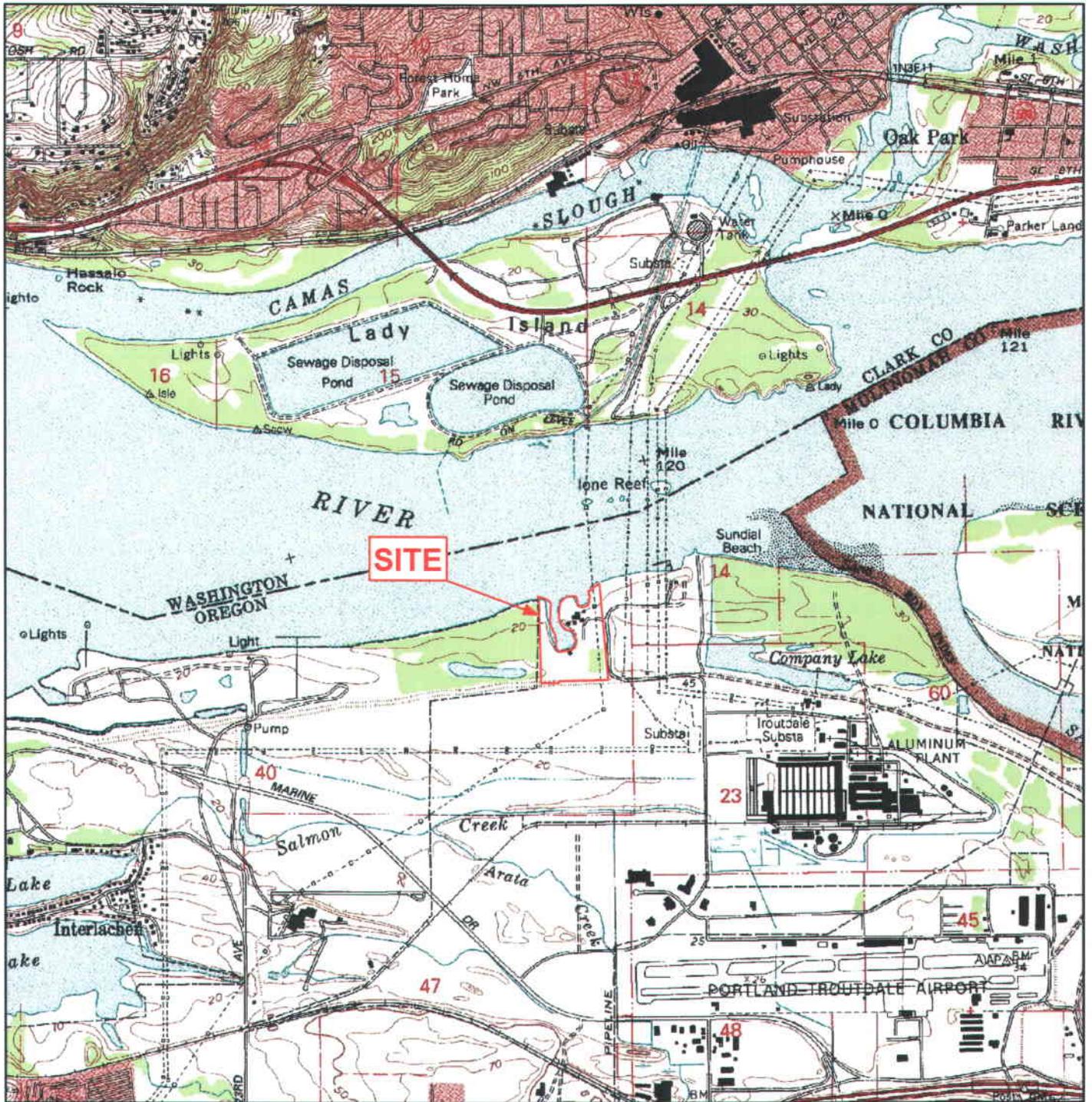
Some unacceptable materials may be encountered during dismantling and deconstruction of vessels. Unacceptable materials will be handled by trained personnel in accordance with IMO guidelines for shipbreaking and state and federal regulations. Any hazardous wastes will be properly containerized, labeled, stored indoors in the shop building (if possible) and disposed of under the facility's EPA ID number: OR0000141986. The following materials may be encountered:

- **Lead:** Lead is often found in paint and antifouling materials. Lead will be removed and disposed of at licensed subtitle D or C landfill depending on analytical results.
- **Asbestos:** Asbestos is often found in insulation, mastics, and caulking's. Suspected asbestos containing materials will be sampled prior to removal. A certified abatement contractor will conduct this work.
- **PCB's:** Polychlorinated biphenyls (PCBs) can be found in rubber products, paint, and oils. Suspected PCB materials will be sampled to ensure proper handling and disposal.

5.0 CLOSURE PROTOCOL

If it is determined that the facility will be closed, Tidewater will notify DEQ and Metro to ensure that all closure requirements are met. All wastes and equipment will be removed from the facility.

FIGURES

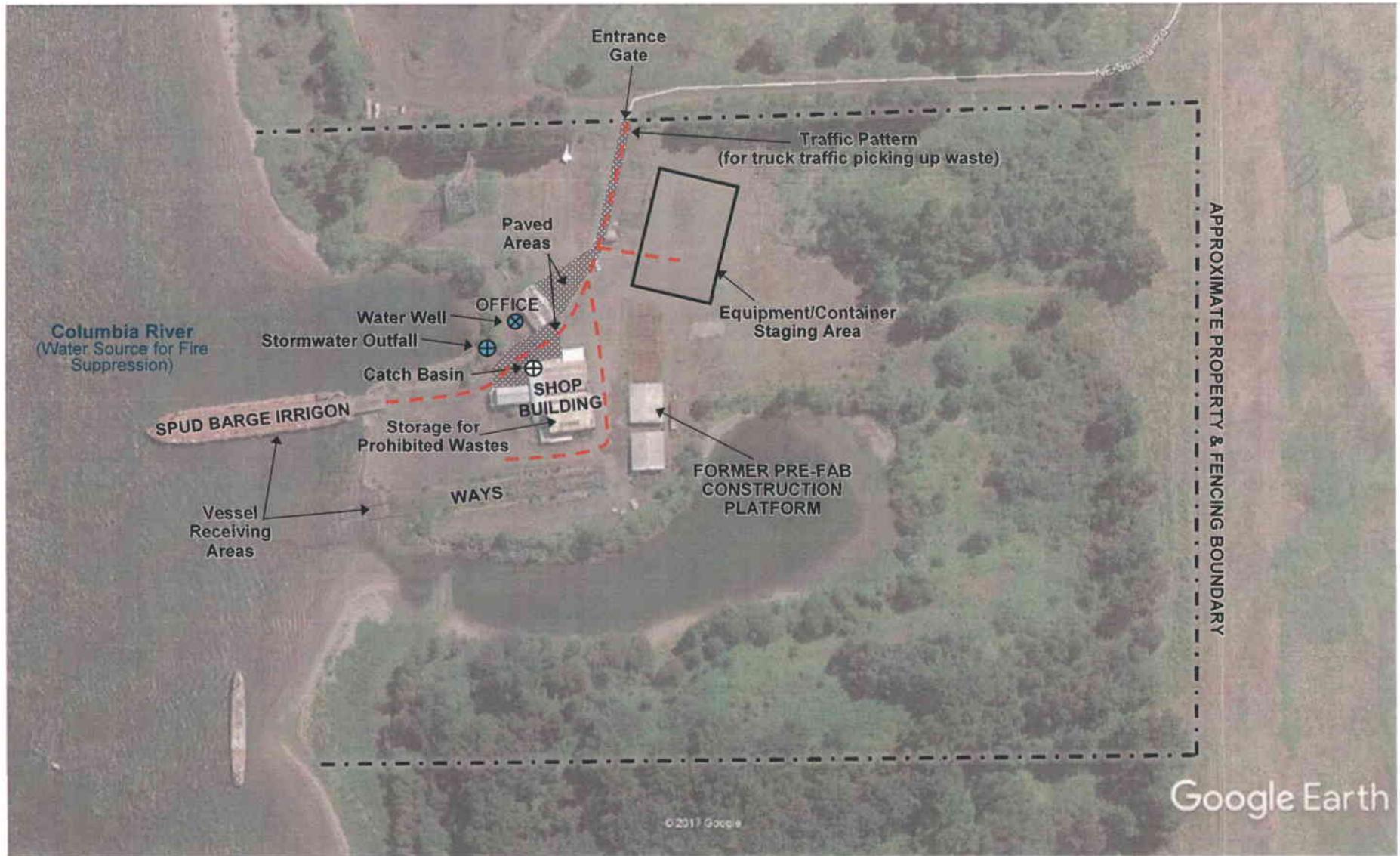


Source:
USGS quad map 45122e4 - Camas



<p>AMEC 7376 SW Durham Road Portland, OR, U.S.A. 97224</p>				<p>CLIENT: SUNDIAL MARINE CONSTRUCTION AND REPAIR</p>	
<p>TITLE: SITE LOCATION MAP</p>		<p>DWN BY: BRJ</p>	<p>DATUM: NAD83</p>	<p>DATE: MAY 2012</p>	
<p>PROJECT: SUNDIAL 5605 NE SUNDIAL ROAD TROUTDALE, OREGON 97060</p>		<p>CHKD BY:</p>	<p>REV. NO.: 1</p>	<p>PROJECT NO.: 1-61M-124671</p>	
		<p>PROJECTION: UTM ZONE 10N</p>	<p>SCALE: 1 inch = 2,000 feet</p>	<p>FIGURE No.: FIGURE 1</p>	

FIGURE 2. SITE PLAN
Sundial Marine Construction and Repair, Inc.
5605 NE Sundial Road in Troutdale, Oregon



APPENDIX A
BEST MANAGEMENT PRACTICES

BEST MANAGEMENT PRACTICES
Sundial Marine Construction and Repair, Inc.
Troutdale, Oregon

A.0 BEST MANAGEMENT PRACTICES

Sundial Marine Construction & Repair has developed both general and activity specific best management practices (BMPs) which defines the facilities, procedures, and responsibilities for upland and overwater best management practices at its facility located in Troutdale, Oregon (Site). Site activities are anticipated to potentially include all phases of marine construction and repair activities involving fitting, welding, surface preparation, and painting (i.e., similar to the activities conducted at the Site in the past). Any work occurring on a spud barge or working barge (e.g., Irrigon) temporarily connected to land is subject to the terms and conditions of the Oregon Department of Environmental Quality (DEQ) National Pollutant Discharge Elimination System (NPDES) Waste Discharge Permit, permit number 102890 (DEQ File No. 107766) issued in 2006.

Any over-water work occurring on a floating functional vessel which is not on a spud barge or dry dock is not covered by or subject to the NPDES permit. Rather, any discharges from such vessels are subject to the 2008 United States Environmental Protection Agency (EPA) General Vessel Permit (VGP). Section 5.4 of the VGP includes general conditions and BMPs applicable to barges.

The following general and activity-specific BMPs contained in this appendix are intended to guide work regulated under both the NPDES permit and VGP.

A.1 General Best Management Practices

Industrial activities will take place on the operational areas of the Site, which include the spud barge Irrigon, Site buildings, and surrounding gravel and paved areas. No industrial activities or material storage will take place in the non-operational areas of the Site, which consist of vegetated areas and the river bank. Non-operational areas may be demarcated using barriers and/or placards.

The following general BMPs will be used to prevent to maximum extent practicable stormwater runoff contamination. These will include both structural and source (non-structural) controls.

A.1.1 Spill Prevention and Response

It is essential to prevent potential pollutants from reaching the Site's stormwater catch basin and the Columbia River. All outdoor and indoor spills of significant materials warrant immediate response and cleanup. Spill prevention measures include:

- Adherence to all applicable Federal and State regulations.
- Employee training regarding preventative maintenance, spill response procedures, and proper usage of spill cleanup materials.
- Use of containment systems.
- Good housekeeping practices and preventative maintenance.

In the event of a spill at the Site, the follow spill response procedures will be conducted:

Safety of Personnel

- a. Warn all persons in the immediate area.
- b. Eliminate ignition sources.
- c. Notify designated "person-in-charge" by radio, phone, or any other means available.
- d. If applicable, notify vessel by radio or any other means available.
- e. Initiate evacuation of all non-essential personnel, vessels, or other equipment.
- f. Unless briefed otherwise, the emergency signal shall be the general alarm and the evacuation point shall be at the entrance gate of the facility.
- g. Don personal protective equipment (PPE) as required.

Establish Safety and Security Zone

- a. Secure Safety Zone to all unauthorized personnel.
- b. DETERMINE THE EXTENT OF THE SAFETY ZONE. Refer to the material safety data sheet (MSDS) for hazard information (toxicity, flammability)

Secure the Source

- a. Find the source of the spill and ensure that it is secured through whatever safe means is available.

Initial Assessment and Containment

- a. Assess: spill volume, spill movement, weather, and current conditions.
- b. Initiate action to contain or divert as necessary on dock, land, or water with boom and sorbent.
- c. Identify local environmentally sensitive areas and initiate protective measures.

Notification

- a. Initiate notification in accordance with company policy.
- b. Identify Incident Commander.
- c. Call out additional personnel, including spill contractor, as necessary.

Continue assessment and Containment

- a. Continue deployment of equivalent based on response strategies.
- b. Schedule reconnaissance over flight, if necessary.
- c. Assign a surface vessel to monitor movement of oil.

Set Up Incident Command Structure as Required

- a. Set up command post.
- b. Post and maintain charts and status boards.
- c. Maintain communication with Tidewater
- d. Monitor current and future manpower requirements.
- e. Place reserve personnel on standby as appropriate.
- f. Anticipate logistic requirements (subsistence catering, re-supply, water, toilet facilities, etc.)

Determine Recovery Equipment Requirements

- a. Monitor current and future equipment requirements.
- b. Place reserve equipment on standby as appropriate.

Set Up Communications Network

- a. Determine communication requirements.
- b. Assign a radio frequencies and call signs as necessary.

Recovery Operations

- a. Maximize skimmer utilization.
- b. Call in vacuum truck service as necessary.
- c. Apply sorbents as appropriate.
- d. Set up sorbent recovery and storage sites.
- e. Establish downstream recovery sites.

Coordinate Interim and Permanent Disposal

- a. Liquid wastes.
- b. Solid wastes.
- c. Coordinate approval with State OCS.

Decontamination

- a. Establish decontamination facilities *for personnel* at each cleanup site.
- b. Establish decontamination facilities *for equipment* at each cleanup site.

Documentation

- a. Establish master file for all field activity logs.
- b. Establish mater file of all personnel records (daily cost sheet).
- c. Establish mater file of all equipment records (daily cost sheet).
- d. Establish mater file of all contractors.
- e. Initiate and maintain incident objectives.
- f. Initiate and maintain site safety plan

A.1.2 Emergency Spill Response Contacts

The names and telephone numbers of persons and agencies whose services may be required in the event of a release of a significant material are provided in Table A.2.1. Contact information for agencies requiring reporting of spills of reportable quantities of oil or hazardous materials is provided in Table A.2.2.

Table A.2.1: Spill Contacts

Name	Phone Number
Tidewater Office	(360) 693-1491 (503) 281-0081
Tidewater Dispatch (24 hour)	(360) 759-0330
Fire Department	For emergency dial 911
Police Department	For emergency dial 911
Hospital Legacy Mount Hood Medical Center	For emergency dial 911 (503) 674-1122
DEQ Northwest Regional Office	(503) 229-5263
Oregon Emergency Response System	(800) 452-0311

Table A.2.2: Hazardous Material Spill Contacts

Name	Phone Number
National Response Center	(800)-424-8802 (202) 267-2675
Oregon Emergency Response System	(800) 452-0311
U.S. Coast Guard (if spill will reach water)	(503) 240-9311

Reporting of any non-compliance which may endanger health or the environment such a spill or release to the stormwater system should be orally reported to the DEQ's Northwest Regional Office at (503) 229-5263, or outside normal business hours to the Oregon Emergency Response System at (800) 452-0311, within 24 hours of discovering the event, per Schedule F, Section D5 of the permit (DEQ, 2006).

A.1.3 Employee and Contractor Education

The employee education program includes training on the components and goals of the Stormwater Pollution Control Plan (SWPCP), spill response procedures, best management practices including good housekeeping, and materials management practices.

- All employees, contractors, and subcontractors are required to participate in safety and environmental orientations prior to working at the Site.
- Personnel will be given a Site tour of all working areas including areas with stormwater control measures.
- All personnel working in areas where stormwater is exposed to industrial processes or who are responsible for implementing the SWPCP must receive SWPCP education and training within 30 days of being hired, and annually thereafter.
- Personnel who conduct the activities that present the largest threat to the local water quality (e.g., painters, barge tank cleaners, bilge cleaners) will be required to review the SWPCP and BMPs prior to staging and implementing work.
- Periodic training sessions will be held, as necessary, to brief all operations personnel on: any revisions of this SWPCP; any known spill occurrences or malfunctioning equipment; any new spill prevention measures; and other pertinent information.
- Records of employee training are maintained at the facility.

A.1.4 Containment

Containment structures or devices are source control measures designed to prevent leaks, spills, and contaminated stormwater from entering surface water. These could include berms, dikes, concrete retaining walls, curtains and floats, lighters, pontoons, or working barges.

- All chemicals or hazardous materials shall be stored, transferred, or utilized inside a building or appropriate secondary container structure that is able to contain the volume of the largest container stored.
- For any over-water work with potential to impact surface water, temporary enclosures, booms, floats, filters, or other means and devices should be used to catch and prevent waste from entering the river. Over-water work that has the potential for pollution may include: welding, grinding, parts cleaning, scraping paint, paint chipping, grit or sand blasting, painting, transporting of equipment/materials, and crane repairs.
- Plastic barriers hung from the vessels or temporary structures around the vessel will be secured and arranged to prevent fugitive emissions of abrasive grit, dust, and paint. The bottom edge of tarpaulins and plastic sheeting will be weighted or fastened to remain in place prior to conducting work.
- All containment structures/devices must maintain sufficient freeboard at all times to capture 100% of the solid and/or liquid material it is intended to contain. If and when floating booms are placed around vessels undergoing repair, they will be routed around all containment structures/devices.
- All containment structures and devices shall be cleaned frequently to ensure that materials on their surface do not get blown or washed into the surrounding waters.

Future Site operations will likely include the use of cranes, forklifts, and trucks.

- All equipment will be inspected and maintained in such a manner that prevents leakage of oil on to the ground surface (i.e., metal working platforms over water and paved/gravel upland areas) or water.
- Transfer of oil and grease must be performed in a location that reduces the probability of spills reaching the ground and surface water. All maintenance of equipment will be conducted under cover if possible.
- Drip pans and drum storage platforms should be used to hold containers of petroleum products. Drop cloths should be placed underneath the drip pans and drum storage platforms to catch and soak up slop spillage. Once the task is completed, the pans and platforms should be immediately cleaned and stored in a designated and easily accessible location. Residues and cleaning waters from drip pans must be properly placed in designated containment drums/tanks for storage prior to off-site recycling/disposal. A waste company will be retained to pick up used petroleum products for recycling/disposal off-site.
- It is the responsibility of the maintenance staff and supervisors to ensure that all personnel and contractors use drip pans and drum storage platforms.
- If the potential exists for oil and grease to contact stormwater, booms and/or skimmers will be used to minimize contamination of stormwater discharges. Oil containment booms may be positioned around vessels under repair while they are berthed at the facility.
- Oil containment booms may be positioned around outfalls if a spill occurs near a storm drain.

- Reserve booming should be on-site ready to ready deploy in case a spill requires additional containment.
- Placement of booms should be to maximize containment of spills. Once booms and skimmers are deployed, periodic adjustment may be necessary to ensure containment.

A.1.5 Waste Chemicals and Material Disposal

The generation of a hazardous waste subjects the generator to hazardous waste regulations, including penalties for mismanagement. Non-hazardous waste is not subject to the same regulations as hazardous waste; however air and water quality and solid waste regulations prohibit indiscriminate and careless management of non-hazardous waste, particularly near water.

- The use of hazardous materials and generation of hazardous wastes will be minimized to the maximum extent possible.
- Waste materials will be disposed of in accordance with local, state, and federal regulations. Environmental staff will coordinate characterization and offsite disposal of all hazardous waste.
- Solid waste disposal and recycling haulers will pick up general trash and recyclables from covered dumpsters. Environmental staff will coordinate offsite disposal/recycling of non-hazardous solid waste. Do not over fill any waste containers, and do not jettison containers or waste on vessels overboard.
- Solid wastes temporarily stored on-Site will be stored in covered containers, under roofed areas, or covered with tarps to prevent dispersal and exposure to stormwater. Liquid wastes will be stored in appropriate secondary containment structures.

A.1.6 Erosions and Sediment Control

Vegetated buffer strips have been retained to the maximum extent practicable between the Site's operational areas and the Columbia River. This vegetation helps to reduce stormwater transport velocities, which in turn will help to prevent erosion and sediment mobilization. Soils are stabilized via vegetative cover or gravel. The remaining Site area is occupied by buildings and asphalt pavement. The greatest potential for erosion around working vessels is within the Ways.

- Gravel areas, paved areas, catch basins, and the Site's shoreline will be inspected monthly.
- Gravel areas will be maintained to ensure uniform coverage of the gravel. Paved areas will be swept as needed to reduced sediment entering stormwater runoff.
- Catch basin at the Site will be cleaned as needed to remove sediments. If needed, bio-filter bags will be placed around the catch basins and/or a catch basin insert will be installed to reduce sediment entering the stormwater system.
- Temporary control features like sediment fence, straw wattles, filter berms, and/or bio-filter bags may be required and used as necessary along the shoreline if industrial activities are occurring where stormwater runoff flows directly to the Columbia River.

A.1.7 Stormwater Diversion and Covering Activities

Diversion structures will be used prevent stormwater from entering areas where significant materials are used or stored. Diversion structures include permanent and temporary buildings/sheds, covered containment berms, and Site grading.

- Industrial activities will be conducted under cover to the maximum extent possible, such as inside buildings and covered barge areas or through the use of temporary tarps or shrouding.

A.1.8 Debris Control and Housekeeping

Good housekeeping practices at the Site will maintain a clean and orderly Site and reduce the potential of debris entering stormwater or stormwater contamination. These practices include:

- All material and cargo must be stored in order to minimize the likelihood that they will be washed away, blown overboard, or dissolved after contact with precipitation or surface water spray.
- Approved covered, secure containers will be used to collect and separate waste categories and recycling. Containers will be properly labeled, located in the appropriate yard locations, and routinely inspected and emptied when full.
- If water draining from storage areas comes in contact with oily materials, use dry cleanup methods or absorbents to clean up the wastewater and dispose in accordance with Section A.1.5.
- Combustible materials (such as paper products, rags, tarps) shall be kept away from hot work operations and activities.
- Aisles and walkways must be unobstructed at all times. There must be clear access to fire extinguishers, emergency pull switches, exits, emergency lifesaving equipment, and electrical panels.
- Routine removal of general yard refuse from the work areas, storage areas, parking areas, and driveways. Littering will not be practiced on site.
- The Site's shoreline (particularly within the Ways) shall be inspected at the conclusion of each work day when work is undertaken at the Ways and any debris removed. If needed, bio-filter bags will be placed around catch basins and/or a catch basin insert will be installed to reduce debris entering the stormwater system.
- Bio-filter bags and/or silt fences may be temporarily placed between operational areas and the shoreline to prevent debris in contact with stormwater from entering the Columbia River.
- Prompt cleanup of any spills and leaks. Perform routine maintenance of Site vehicle and equipment to prevent spills and leaks.
- Sweeping of paved areas, as needed, based upon the results of monthly inspections.

- Removal of sediment and debris from Site catch basins, as needed, based upon the results of monthly inspections.
- Maintenance of hose connections and valves to avoid water leaking onto the Site and entering the stormwater system and Columbia River.
- Avoid overweighing work surfaces, including temporary platforms.
- Where possible, all extension cords, hoses, air lines, and welding leads should be hung overhead. Do not lay lines in aisles or stairwells.
- All materials shall be stored in a neat and orderly fashion.

A.1.9 Preventative Maintenance

Preventive maintenance involves the regular inspection and cleaning of areas where significant materials are stored and the regular inspection of stormwater drainage structures. All areas within the facility where hazardous substances are stored, used, and/or transported need to be evaluated with respect to discharge risk potential. It is each supervisor's responsibility to understand the risks associated with their specific area. Each supervisor should identify high and low risk pollutant pathways. Monthly Site inspections will be conducted to maintain/repair Site facilities. Preventive maintenance measures performed include:

- Inspections of all storage containers and secondary containment for significant materials. Repairs and maintenance will be performed as needed.
- Periodic inspections to clean-up the Site and remove materials or correct practices that may adversely impact stormwater.
- Monthly inspections of stormwater control measures, drainage structures, catch basins, and outfalls.
- Routine refuse removal from Site to prevent floating debris from entering stormwater runoff.
- Routine inspection and maintenance of Site machinery and equipment to ensure proper operation and prevent leaks and spills.
- Removal of sediment and debris from catch basins, as needed, based upon the results of monthly inspections.
- Frequent sweeping of floating barges and upland paved areas is needed to keep trash, discarded construction materials, sediment, marine growth, oil, solvents, plastic, and other solids from entering surface water.
- Maintenance of vehicles and equipment to ensure good working condition and minimize the potential for oil spills and leaks.
- Proper storage and recycling and/or disposal of waste products generated by repairs and maintenance.

- Signs shall be painted at key locations to constantly remind employees about the BMPs in areas which pose the greatest risk of adversely impacting surface water quality.

A.2 Activity Specific Best Management Practices

Much of the planned work at the Site requires the use of outside subcontractors. All contractors and subcontractors are required to participate in safety and environmental orientations prior to working at the Site. Key subcontractors which present the largest threat to the local water quality (e.g., painters, barge tank cleaners, bilge cleaners) will be required to review the SWPCP and BMPs prior to staging and implementing work. Any alterations to the BMPs or additional ones proposed by a contractor will be reviewed by Tidewater's environmental staff for conformance with the SWPCP. As appropriate, site-specific or contractor-specific BMPs may be maintained in the project files and reviewed with all affected contractors and employees. All third-party contractors conducting the work at the Site will be closely monitored for conformance with the SWPCP.

Future maintenance and construction activities at the Site may include surface preparation (either through grit or sand blasting or washing), painting, and welding. The following BMPs have been determined to be the most applicable for anticipated Site industrial activities.

A.2.1 Mechanical Procedures

Forms of surface preparation (e.g., mechanical hand preparation such as scraping, wire brushing, conventional grinding, and grit or sand blasting) will be conducted with containment and collection protocols designed to prevent particles from entering surface water. If sand blasting operations are conducted, shroud or tarp material will be erected around the working area to prevent the loss of abrasive blast grit. If abrasive blasting activities are utilized in the future, procedures outlining blasting management shall be reviewed by Tidewater personnel and provided to personnel conducting the work. The following BMPs must be considered when preparing surfaces for painting or any mechanical activity that has the potential to produce fugitive emissions of abrasive grit, dust, and paint.

- A temporary enclosure will be erected around the working area to prevent blast grit from entering water. The enclosure or shrouding must be properly designed, constructed, positioned, supported, and inspected by Tidewater personnel prior to sand blasting to contain and enclose all operations. See containment procedures described in Section A.1.4.
- Employees will inspect surface preparation operations at least once per day to ensure compliance with this SWPCP.
- A daily log will be kept when blasting operations are occurring to ensure sand blast media and paint chips do not enter discharge. The log will include:
 1. Name of the inspector;

2. Date and time of inspection;
 3. Best Management Practices evaluated;
 4. Description of weather conditions, i.e., light rain, medium rain, heavy rain, intermittent showers, steady showers, runoff discharge, etc.;
 5. Any corrective action required; and
 6. Observable blasting debris or paint or other material in the discharge.
- Spent blast material should be stored in proper containment vessels or structures while on Site. Sand blast media will be contained in covered sand pots and reused. Temporary storage hoppers should not have leaks from which blast material can escape during transportation and storage. Used grit blast material must be segregated from general refuse.
 - Prior to disposal, the generator must determine if used grit blast material is hazardous or not, either by testing or by using "knowledge of process." The generation of a hazardous waste subjects the generator to hazardous waste regulations. Non-hazardous waste is not subject to the same regulations as hazardous waste; however air, water quality, and solid waste regulations prohibit indiscriminate and careless management of non-hazardous waste, particularly near water. Segregate known hazardous grit materials from others to prevent mingling. Federal, state, and local rules and regulations must be followed when recycling or disposing of used grit blast material. Recycling will be utilized to the maximum extent possible.

A.2.2 Wash Water Procedures

Dry methods, such as sweeping and vacuuming, combined with filter media and vacuum methods will be used to the maximum extent possible to prevent generation of wash water. If washing activities are utilized in the future, procedures outlining wash water management shall be reviewed by Tidewater personnel and provided to personnel conducting the work. In accordance with the NPDES permit, all wash water that occurs upland and/or offshore on the spud barge Irrigon, covered Barge 53 and drydock must be managed to prevent direct runoff into the Columbia River. See containment procedures described in Section A.1.4.

- The edges of any surface being washed will be protected with sandbags and appropriate shrouding to prevent the loss of wash water.
- Water will be collected and pumped into a portable tank. All wash water will be characterized and properly disposed of off-site.
- Power washing should be conducted using a low pressure setting.

It is anticipated that barges moored to the Irrigon will occasionally require deck washing. If required, this shall be done in accordance with the following VGP conditions:

- Vessel owner/operators must keep their decks tidy and minimize the introduction of on-deck debris, garbage, residue and spill into deck wash down and runoff discharges;
- Minimize deck wash downs while in port (anchored, secured, or otherwise moored);
- If deck wash downs or above water line hull cleaning will result in a discharge, they must be conducted with non-toxic, phosphate-free, biodegradable, minimally caustic or non-caustic cleaners and detergents; and
- If deck wash downs will result in a discharge, they must be conducted using the following procedures:
 - Sweep rust and other materials into a bag or waste container for disposal ashore before it rains or washing topside surfaces
 - Clear deck of debris, garbage, cargo residue, and spills before it rains or deck wash downs
 - Protect the deck edge of each barge with sandbags and 3 micron geo-tarp to catch any particulates
 - Only water that has gone through the 3 micron filter will be allowed to run-off
 - Wash with low pressure and use deck brushes to scrub and rinse the deck surface

A.2.3 Painting Procedure

Painting operations at the Site may include roller applications on tops of barges moored at the Spud Barge Pier and spray applications inside covered work areas.

- Paint and paint products received at the facility will immediately be placed in designated indoor storage areas. Paint and solvent mixing will be performed in secondary containment. Paint/solvent mixtures will be transferred to the barges in smaller quantities to eliminate the potential for large spills. See containment procedures described in Section A.1.4.
- Painting will be conducted in a temporary or permanent enclosure or with tarpaulins and plastic sheeting that is designed, installed, and decommissioned in a manner that will prevent the paint from contacting soil or water at all times. See containment procedures described in Section A.1.4.
- Spray painting will only be conducted inside permanent or temporary containment structures designed to control airborne transport of paint and eliminate the transport of paint spray over water.
- For painting operations on the hull, floats and booms are to be used in conjunction with additional containment facilities when the likelihood for paint material to enter surface water is high. Paint chips shall not be visible in the water after painting operations.
- Painting will not occur during weather conditions including rain and high wind.
- Spent painting material should be stored in secondary containment. Prior to disposal, the generator must determine if used paint waste is hazardous by testing for leachability

of relevant toxicity characteristics defined in 40 Code of Federal Regulations (CFR) 261.24. The paint waste may also be hazardous if it is classified as ignitable, corrosive, or reactive (40 CFR 261.21-261.23). Paint waste shall be segregated from other materials and shall not be diluted. Federal, state, and local rules and regulations will be followed when recycling or disposing of used paint material, and the ultimate disposition of all materials will be approved by Tidewater prior to transport off site. Recycling shall be utilized to the maximum extent possible. See waste chemicals and material disposal procedures described in Section A.1.5

A.2.4 Dry Dock Submergence Procedure (If applicable)

If a dry dock is used at the Site in the future, additional training on proper cleaning procedure will be provided to all Site personnel. The floating dry dock has ballast tank in the wing walls and/or flooring which are filled with water to sink the dock. With the dock submerged, a vessel can be brought in the positioned on support blocks. The ballast tanks are then emptied and the dock rises, bringing the vessel out of the water. With the dock floating, traffic and personnel are able to enter and exit the dock floor and repair work can proceed. In order to prevent pollutants associated with dry dock vessel maintenance from entering water, the following dry dock BMPs shall be followed.

- Mechanical sweeping, portable vacuums, shovels, or brooms will be used to remove debris and materials on the dry dock on a regular and frequent basis; particularly prior to submergence.
- Floating dry dock should be cleaned frequently to remove all loose trash, paint cans, discarded construction materials, sediment, marine growth, oil, solvents, plastic, and other potential pollutants.
- The dry dock will be inspected after cleaning and prior to submergence to ensure that BMPs related to the condition of the dry dock before flooding have been implemented – including that the dry dock is in a “broom clean” state and that all materials that might float away have been removed.
- Washing of the dock floor with water is not an adequate cleanup technique and should not be performed. Prior to lowering the dry dock, straw bales, filters, and absorbent materials must be removed from the dock floor.
- Photographs or video recording will be taken during the inspection prior to submergence and a written record of the inspection will be maintained on-site. The photographs or videos will be accompanied by the name of photographer and the time the photograph or video was made. Inspection reports and photographs/videos must be retained for a period of three years.

A.2.5 Stormwater/Evaporator Valving and Operating Procedure (If applicable)

If a dry dock is used in the future, a log will be kept to detail the timing and procedure for changing the valve positions for clean and stormwater discharge from the dry dock holding tank. Specifically, the following BMPs must be followed if a dry dock is used at the Site in the future.

- If industrial activities occur on the dry dock that may generate debris and/or washwater, the valve will be closed. Washwater will be pumped to a holding tank, characterized, and properly disposed of offsite. The wastewater is not discharged to the river.
- The dry dock valve will only be open when there is no activity on the dock, as the open valve will allow stormwater to discharge to the Columbia River.
- Whenever a vessel is pressured-washed in the dry dock, the dry dock coordinator will note on the dry dock inspection log the beginning and ending times for this work. The coordinator will certify that he or she personally observed that the collection system valve was in the "collection" position (thereby preventing discharge to the river) before the work began.
- When pressure washing is completed, a volume of clean water equal to the total volume of the piping within the drydock wash water collection system will be flushed through the system and routed to the storage tanks (for eventual evaporation or off-site disposal) before the collection system valve is returned to the "discharge" position. The inspection log will include a notation that the flushing was performed and the time that the valve was returned to the "discharge" position.

**Oregon Department of Environmental Quality
LAND USE COMPATIBILITY STATEMENT (LUCS)**

p. 1 of 2

SECTION 1 - TO BE COMPLETED BY APPLICANT

1A. Applicant Name: Tidewater Barge Lines	1B. Project Name: Sundial Vessel Recovery
Contact Name: Stephanie Kranz	Physical Address: 5605 NE Sundial Rd
Mailing Address: PO Box 1210	City, State, Zip: Troutdale, OR 97060-9504
City, State, Zip: Vancouver, WA 98666	Tax Lot #: 400, 100
Telephone: 360.693.1491	Township: 1 North Range: 3 East Section: 22
Tax Account #: 065012731	Latitude: 45.563374
	Longitude: -122.414449

1C. Describe the project, include the type of development, business, or facility and services or products provided (attach additional information if necessary):

Tidewater Barge Lines plans to develop a Material Recovery Facility at the former site of Sundial Marine Construction and Repair. The site would receive derelict vessels, primarily from Goble, Oregon, and separate recyclable and waste materials to properly dispose of the vessels and their components.

1D. Check the type of DEQ permit(s) or approval(s) being applied for at this time.

- | | |
|---|--|
| <input type="checkbox"/> Air Quality Notice of Construction | <input type="checkbox"/> Pollution Control Bond Request |
| <input type="checkbox"/> Air Contaminant Discharge Permit (<i>excludes portable facility permits</i>) | <input type="checkbox"/> Hazardous Waste Treatment, Storage, or Disposal Permit |
| <input type="checkbox"/> Air Quality Title V Permit | <input type="checkbox"/> Clean Water State Revolving Fund Loan Request |
| <input type="checkbox"/> Air Quality Indirect Source Permit | <input type="checkbox"/> Wastewater/Sewer Construction Plan/Specifications (<i>includes review of plan changes that require use of new land</i>) |
| <input type="checkbox"/> Parking/Traffic Circulation Plan | <input type="checkbox"/> Water Quality NPDES Individual Permit |
| <input type="checkbox"/> Solid Waste Land Disposal Site Permit | <input type="checkbox"/> Water Quality WPCF Individual Permit (<i>for onsite construction-installation permits use the DEQ Onsite LUCS form</i>) |
| <input type="checkbox"/> Solid Waste Treatment Facility Permit | <input type="checkbox"/> Water Quality NPDES Stormwater General Permit (<i>1200-A, 1200-C, 1200-CA, 1200-COLS, and 1200-Z</i>) |
| <input type="checkbox"/> Solid Waste Composting Facility Permit (<i>includes Anaerobic Digester</i>) | <input type="checkbox"/> Water Quality General Permit (<i>all general permits, except 600, 700-PM, 1700-A, and 1700-B when they are mobile.</i>) |
| <input type="checkbox"/> Conversion Technology Facility Permit | <input type="checkbox"/> Water Quality 401 Certification for federal permit or license |
| <input type="checkbox"/> Solid Waste Letter Authorization Permit | |
| <input checked="" type="checkbox"/> Solid Waste Material Recovery Facility Permit | |
| <input type="checkbox"/> Solid Waste Energy Recovery Facility Permit | |
| <input type="checkbox"/> Solid Waste Transfer Station Permit | |
| <input type="checkbox"/> Waste Tire Storage Site Permit | |

1E. This application is for: Permit Renewal New Permit Permit Modification Other:

SECTION 2 - TO BE COMPLETED BY CITY OR COUNTY PLANNING OFFICIAL

Instructions: Written findings of fact for all local decisions are required; written findings from previous actions are acceptable. For uses allowed outright by the acknowledged comprehensive plan, DEQ will accept written findings in the form of a reference to the specific plan policies, criteria, or standards that were relied upon in rendering the decision with an indication of why the decision is justified based on the plan policies, criteria, or standards.

2A. The project proposal is located: Inside city limits Inside UGB Outside UGB

2B. Name of the city or county that has land use jurisdiction (the legal entity responsible for land use decisions for the subject property or land use): CITY OF TROUTDALE VIA IGA w/ MULTNOMAH Co.

**Oregon Department of Environmental Quality
LAND USE COMPATIBILITY STATEMENT (LUCS)**

p. 2 of 2

SECTION 2 - TO BE COMPLETED BY CITY OR COUNTY PLANNING OFFICIAL

Applicant Name: TIDEWATER BARGE LINES

Project Name: SUNDIAL VESSEL RECOVERY

2C. Is the activity allowed under Measure 49 (2007)? No, Measure 49 is not applicable Yes; if yes, then check one:

Express; approved by DLCD order #:

Conditional; approved by DLCD order #:

Vested; approved by local government decision or court judgment docket or order #:

2D. Is the activity a composting facility?

No Yes; Senate Bill 462 (2013) notification requirements have been met.

2E. Is the activity or use compatible with your acknowledged comprehensive plan as required by OAR 660-031?

Please complete this form to address the activity or use for which the applicant is seeking approval (see 1.C on the previous page). If the activity or use is to occur in multiple phases, please ensure that your approval addresses the phases described in 1.C. For example, if the applicant's project is described in 1.C as a subdivision and the LUCS indicates that only clearing and grading are allowed outright but does not indicate whether the subdivision is approved, DEQ will delay permit issuance until approval for the subdivision is obtained from the local planning official.

The activity or use is specifically exempt by the acknowledged comprehensive plan; explain:

YES, the activity or use is pre-existing nonconforming use allowed outright by (provide reference for local ordinance):

YES, the activity or use is allowed outright by (provide reference for local ordinance):

3.172.I - TROUTDALE DEVELOPMENT CODE

YES, the activity or use received preliminary approval that includes requirements to fully comply with local requirements; findings are attached.

YES, the activity or use is allowed; findings are attached.

NO, see 2.C above, activity or use allowed under Measure 49; findings are attached.

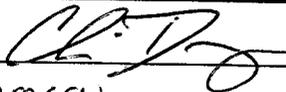
NO, (complete below or attach findings for noncompliance and identify requirements the applicant must comply with before compatibility can be determined):

Relevant specific plan policies, criteria, or standards:

Provide the reasons for the decision:

Additional comments (attach additional information as needed):

Planning Official Signature:



Title: PLANNING DIRECTOR

Print Name: CHRIS DAMGEN

Telephone #: 503 674 7228 **Date:** 8/4/16

If necessary, depending upon city/county agreement on jurisdiction outside city limits but within UGB:

Planning Official Signature: N/A PER IGA

Title: N/A PER IGA

Print Name:

Telephone #:

Date:

Property Use Consent

Solid waste application supplemental form



SUBMIT THIS FORM TO:
Metro
Solid Waste Compliance and Cleanup
600 NE Grand Avenue
Portland, OR 97232-2736
Tel: (503) 797-1835
Fax: (503)813-7544
SWCC@oregonmetro.gov

Metro use only DATE RECEIVED: DATE DEEMED COMPLETE BY METRO:

Property Use Consent

1. Property Owner.	
Name:	Hickey Family Company
Mailing Address:	PMB 193, 16420 SE McGillivray, Suite 103
City/State/Zip:	Vancouver, WA 986683-3461
Phone Number:	(360) 604 4333

2. Site Description.			
Tax Lot(s): 400, 100	Section: 22	Township: 1 North	Range: 3 East
Address: 5605 NE Sundial Rd, Troutdale, OR 97060-9504			

3. Describe the applicant's proposed use of this property.
Tidewater plans to develop a Material Recovery Facility at the former site of Sundial Marine Construction & Repair. The site would receive derelict vessels, primarily from Goble, Oregon, and separate recyclable and waste materials to properly dispose of the vessels and their components.

4. Describe the property interest held by the prospective Licensee or Franchisee (Applicant).
Sundial Marine Construction & Repair, Inc., a Tidewater subsidiary company, current leases the property from the Hickey Family Company.

Property Use Consent

Solid waste application supplemental form



Metro

600 NE Grand Ave.
Portland, OR 97232
503-797-1835

5. Describe the duration of the interest.

The current property lease with the Hickey Family Company expires in 2036 with an option to renew for an additional forty (40) years.

APPLICANT CERTIFICATION:

An authorized agent of the applicant must sign this form. Metro will not accept a form without a signature.

I certify that the information contained in this form is true and correct to the best of my knowledge. I agree to notify Metro within 10 days of any change in the information submitted as a part of this application.

SIGNATURE OF AUTHORIZED AGENT _____

TITLE Environmental Manager

PRINT NAME Stephanie Kranz

DATE 6/30/2017

PHONE 360.693.1491

PROPERTY OWNER(S): This form cannot be processed without a signature.

"I consent to the applicant's proposed use of this property as described on this form. I have also read and agree to be bound by the provisions of Section 5.01 of the Metro Code if the applicant is granted a franchise or license and that franchise or license is subsequently revoked or if renewal of that franchise or license is refused." Metro Code Section 5.01 states: "Upon revocation or refusal to renew the Franchise or License, all rights of the Franchisee or Licensee in the Franchise or License shall immediately be divested."

I certify that the information contained in this form is true and correct to the best of my knowledge. I agree to notify Metro within 10 days of any change in the information submitted as a part of this application.

SIGNATURE _____

Wes Hickey, Authorized Representative

PRINT NAME Wes Hickey

DATE 6/30/17

PHONE 360 335-1945

SIGNATURE _____

PRINT NAME _____

DATE _____

PHONE _____



Oregon

Theodore Kulongoski, Governor

Department of Environmental Quality

Northwest Region Portland Office

2020 SW 4th Avenue, Suite 400

Portland, OR 97201-4987

(503) 229-5263

FAX (503) 229-6957

TTY (503) 229-5471

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

12 December 2006

Don Nugent
Sundial Marine Construction and Repair, Inc.
5605 NE Sundial Road
Troutdale OR 97060

RECEIVED

DEC 13 2006

Re: NPDES Permit
File No. 107766
Multnomah Count

SUNDIAL MARINE

We have corrected the typographical error referenced in the enclosed Department Order and have re-issued the enclosed National Pollutant Discharge Elimination System Permit.

This permit will be considered the final action on permit application number 970658.

You are urged to carefully read the permit and take all possible steps to comply with conditions established.

Should you have any questions regarding this permit, please call me at 503/229-5292.

Sincerely,

Elliot J. Zais, Senior Environmental Engineer
Water Quality Source Control Program
Northwest Region

Enclosure: NPDES permit, Department Order

cc: File

Michael Campbell, Stoel Rives LLP



**Before the Oregon
Department of Environmental Quality**

NPDES Permit No. 102890

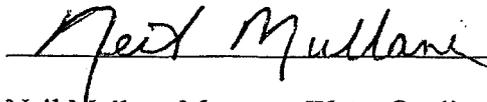
In the Matter of)
Sundial Marine Construction)
and Repair, Inc.)

**Order Granting Reconsideration
And
Issuing Permit on Reconsideration**

On November 20, 2006, the Department of Environmental Quality Commission issue NPDES permit number 102890 to Sundial Marine Construction and Repair. On December 6, 2006 the Department discovered that the permit contained a typographical error in the form of the omission of the language in **Schedule B 1. a) ii) (2)**. The Department, on its own initiative and as authorized by ORS 183.482 and 183.484, and the rules adopted thereunder, hereby orders the reconsideration of this permit.

Further, and on reconsideration, the Department hereby issues a corrected permit, a copy of which is included as exhibit A to this order.

Dated this 11th day of December 2006



Neil Mullane Manager, Water Quality Source Control Program
Northwest Region.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
WASTE DISCHARGE PERMIT
Department of Environmental Quality
Northwest Region Office
2020 Southwest Fourth Avenue, Portland, OR 97201
Telephone: (503) 229-5263
Issued pursuant to ORS 468B.050 and The Federal Clean Water Act

ISSUED TO:

SOURCES COVERED BY THIS PERMIT:

Sundial Marine Construction and Repair, Inc. 5605 NE Sundial Road Troutdale, Oregon	<u>Type of Waste</u>	<u>Outfall Number</u>	<u>Outfall Location</u>
	Stormwater	001	RM 116.7
	Others specified in Schedule A	002A and B 003	
		Others specified below	

PLANT TYPE AND LOCATION:

Marine ship repair facility
5605 NE Sundial Road
Troutdale, Oregon

RECEIVING STREAM INFORMATION:

Basin: Willamette Basin
Sub-Basin: Lower Willamette
Stream: Columbia River
LLID 1240483462464/RM116.75
County: Multnomah

EPA REFERENCE NUMBER: OR 0044601

Issued in response to Application No. 970658 received 30 March 2006.

Neil Mullane
Neil Mullane, Manager, Water Quality Source Control Program
Northwest Region

12/11/06
Date

PERMITTED ACTIVITIES

Until this permit expires or is modified or revoked, the permittee is authorized to construct, install, modify or operate a waste water collection, treatment, control and disposal system and discharge to public waters stormwater and other wastewater described in Schedule A only from the authorized discharge point or points or site locations on the water established in Schedule A or in the Stormwater Pollution Control Plan and only in conformance with all the requirements, limitations, and conditions set forth in the attached schedules as follows:

	<u>Page</u>
Schedule A - Waste Discharge Limitations not to be Exceeded.....	2
Schedule B - Minimum Monitoring and Reporting Requirements.....	7
Schedule C - Compliance Conditions and Schedules.....	9
Schedule D - Special Conditions.....	10
Schedule F - General Conditions.....	11

Unless specifically authorized by this permit, by another NPDES or WPCF permit, or by Oregon Administrative Rule, any other direct or indirect discharge of waste is prohibited, including discharge to waters of the state or an underground injection control system.

SCHEDULE A
Waste Discharge Limitations not to be Exceeded after Permit Issuance Date

1. **Preparation and Implementation of the Stormwater Pollution Control Plan (SWPCP)**
The facility's SWPCP dated July 2006 meets the SWPCP requirements of this permit.

Subsequent revisions to the SWPCP shall ensure that the revised SWPCP continues to contain the applicable information outlined in the Department document "Guidance Document for Writing a Stormwater Pollution Control Plan" available at <http://www.deq.state.or.us/nwr/stormwater.htm> and the elements described in Schedule A.2. In addition the following plan revision and implementation requirements must be met:

- a) Revisions to the SWPCP must also be signed and certified pursuant to 40 CFR §122.22.
- b) The SWPCP must be implemented according to the time frames set forth in Schedule C.
- c) The SWPCP must be kept current and updated as necessary to reflect any changes in facility operation.
- d) A copy of the SWPCP must be kept at the facility and made available upon request to government agencies responsible for stormwater management in the permittee's area.

2. **SWPCP Revisions (Action Plans)**

- a) **SWPCP Revision Submittals** The permittee must submit to the Department for approval any revisions to the SWPCP (to be designated an "action plan") within 30 days after the SWPCP is revised. If the Department does not review and comment on the action plan within 10 days of receipt, the action plan is deemed approved. Failure to implement any portion of the action plan is a violation of the permit.

3. **Required Stormwater Pollution Control Plan Elements**

- a) **Site Description** The SWPCP must contain the following information:
 - i) A description of the industrial activities conducted at the site. Include a description of the significant materials (see Schedule D.3, Definitions) that are stored, used, treated and/or disposed of in a manner that allows exposure to stormwater. Also describe the methods of storage, usage, treatment and/or disposal.
 - ii) A general location map showing the location of the site in relation to surrounding properties, transportation routes, surface waters and other relevant features.
 - iii) A site map including the following:
 - (1) drainage patterns
 - (2) drainage and discharge structures including a drainage schematic of the dry dock and valving
 - (3) outline of the drainage area for each stormwater outfall
 - (4) paved areas and buildings within each drainage area
 - (5) areas used for outdoor manufacturing, treatment, storage, and/or disposal of significant materials
 - (6) existing structural control measures for reducing pollutants in stormwater runoff
 - (7) material loading and access areas
 - (8) hazardous waste treatment, storage and disposal facilities including the area where the evaporator is located
 - (9) location of wells including waste injection wells, seepage pits, drywells, etc.
 - (10) location of springs, wetlands and other surface water bodies.
 - iv) Estimates of the amount of impervious surface area (including paved areas and building roofs) relative to the total area drained by each stormwater outfall. Since the discharge of interest is from the dry dock, the drainage area of the dry dock shall be listed separately.

- v) For each area of the site where a reasonable potential exists for contributing pollutants to stormwater runoff, identify the potential pollutants that could be present in stormwater discharges.
 - vi) The name(s) of the receiving water(s) for stormwater drainage. If drainage is to a municipal storm sewer system, the name(s) of the ultimate receiving waters and the name of the municipality.
 - vii) Identification of the discharge outfall(s) and the point(s) where stormwater monitoring will occur as required by Schedule B. Outfalls in addition to those listed on the cover page of this permit are authorized if they are described in the SWPCP or an action plan that has been submitted to the Department. An outfall may be described generically in the SWPCP if it would be impracticable to describe the precise location of the outfall, e.g., because the outfall is, or is on, a mobile piece of equipment, provided that the outfall is located at the facility. If multiple discharge outfalls exist but will not all be monitored (as allowed in Schedule B.1.c), a description supporting this approach must also be included.
- b) **Site Controls** The permittee must maintain existing controls and/or develop new controls appropriate for the site. The purpose of these controls is to eliminate or minimize the exposure of pollutants to stormwater. In developing a control strategy, the SWPCP must have the following minimum components. A description of each component must be included in the SWPCP.
- i) *Stormwater Best Management Practices* If technically and economically feasible, the following best management practices must be employed at the site. A schedule for implementation of these practices must be included in the SWPCP if the practice has not already been accomplished. This schedule must be consistent with the requirements for developing and implementing the SWPCP in Schedule C of the permit.
 - (1) Containment - All hazardous substances (see Schedule D.3, Definitions) must be stored within berms or other secondary containment devices to prevent leaks and spills from contaminating stormwater. If the use of berms or secondary containment devices is not possible, then hazardous substances must be stored in areas that do not drain to the storm sewer system.
 - (2) Oil and Grease - Oil/Water separators, booms, skimmers or other methods must be employed to eliminate or minimize oil and grease contamination of stormwater discharges.
 - (3) Waste Chemicals and Material Disposal - Wastes must be recycled or properly disposed of in a manner to eliminate or minimize exposure of pollutants to stormwater. All waste contained in bins or dumpsters where there is a potential for drainage of stormwater through the waste must be covered to prevent exposure of stormwater to these pollutants. Acceptable covers include, but are not limited to, storage of bins or dumpsters under roofed areas and use of lids or temporary covers such as tarps.
 - (4) Erosion and Sediment Control - Erosion control methods such as vegetating exposed areas, graveling or paving must be employed to minimize erosion of soil at the site. Sediment control methods such as detention facilities, sediment control fences, vegetated filter strips, bioswales, or grassy swales must be employed to minimize sediment loads in stormwater discharges. For activities that involve land disturbance, the permittee must contact the local municipality to determine if there are other applicable requirements.
 - (5) Debris Control - Screens, booms, settling ponds, or other methods must be employed to eliminate or minimize debris in stormwater discharges.
 - (6) Stormwater Diversion - Stormwater must be diverted away from fueling, manufacturing, treatment, storage, and disposal areas to prevent exposure of uncontaminated stormwater to potential pollutants.
 - (7) Covering Activities - Fueling, manufacturing, treatment, storage, and disposal areas must be covered to prevent exposure of stormwater to potential pollutants.

Acceptable covers include, but are not limited to, permanent structures such as roofs or buildings and temporary covers such as tarps.

- (8) Housekeeping - Areas that may contribute pollutants to stormwater must be kept clean. Sweeping, prompt clean up of spills and leaks, and proper maintenance of vehicles must be employed to eliminate or minimize exposure of stormwater to pollutants.
- ii) *Washwater Operating Procedure* - An operating procedure describing the drainage operation when pressure washing and associated cleanup after pressure washing shall be provided. Pictures should be used in this description in order to better convey an understanding of the procedure to those not familiar with it.
- iii) *Sand Blasting Debris* - Provide description of daily inspection log to ensure that sand blasting debris and paint are prevented from entering the stormwater discharge. Log should list the following:
 - (1) Name of the inspector,
 - (2) Date and time of inspection,
 - (3) Best Management Practices evaluated,
 - (4) Description of weather conditions, i.e. light rain, medium rain, heavy rain, intermittent showers, steady showers, runoff discharge, etc.,
 - (5) Any corrective action required, and
 - (6) Observable blasting debris or paint or other material in the discharge.
- iv) *Dry dock Submergence Procedures* - Describe pre-submergence procedures for the dry dock. At a minimum these procedures should include:
 - (1) Ensure that the dry dock has been broom swept and any debris or materials that may leave the dry dock other than the vessel being discharged are absent.
 - (2) Photographic records of the dock work area prior to submergence.
 - (3) Written record of the inspection.
- v) *Stormwater/Evaporator Valving and Operating Procedure* - A description of the log that shall be kept detailing the timing and procedure for the changing of the valve positions for clean and stormwater discharge shall be included in the Plan. When pressure washing is completed, the piping from the dry dock working surface to the valving area shall be flushed to the holding tank for the Evaporator.
- vi) *Spill Prevention and Response Procedures* Methods to prevent spills along with clean-up and notification procedures must be included in the SWPCP. These methods and procedures must be made available to appropriate personnel. The required clean up material must be on-site or readily available. Spills prevention plans required by other regulations may be substituted for this provision providing that stormwater management concerns are adequately addressed.
- vii) *Preventative Maintenance* A preventative maintenance program must be implemented to ensure the effective operation of all stormwater best management practices. At a minimum the program must include:
 - (1) Monthly inspections of areas where potential spills of significant materials or industrial activities could impact stormwater runoff.
 - (2) Monthly inspections of stormwater control measures, structures, catch basins, and treatment facilities.
 - (3) Cleaning, maintenance and/or repair of all materials handling and storage areas and all stormwater control measures, structures, catch basins, and treatment facilities as needed upon discovery. Cleaning, maintenance, and repair of such systems must be performed in such a manner as to prevent the discharge of pollution.

viii) *Employee Education* An employee orientation and education program must be developed and maintained to inform personnel of the components and goals of the SWPCP. The program must also address spill response procedures and the necessity of good housekeeping practices. A schedule for employee education must be included in the SWPCP. The Department recommends this education and training occur at the time of an employee's hire and annually thereafter.

4. **Record Keeping and Internal Reporting Procedures** The following information must be recorded and maintained at the facility and provided to the Department, its Agent, or other government agencies upon request. This information does not need to be submitted as part of the SWPCP.
- a) Inspection, maintenance, repair and education activities as required by the SWPCP.
 - b) Spills or leaks of significant materials that impacted or had the potential to impact stormwater or surface waters. Include the corrective actions to clean up the spill or leak as well as measures to prevent future problems of the same nature.

ADDITIONAL REQUIREMENTS

5. **Permitted Discharges** This permit only authorizes the discharge of stormwater (including stormwater that is pumped or drained from sumps and other depressions) and the following non-stormwater discharges: discharges from fire-fighting activities; fire hydrant flushings, including over-pressure and other discharges from the fire main system; potable water, including water line flushings; discharges of water used only for the hydrostatic testing of pumps and pipes; uncontaminated air conditioning condensate; irrigation drainage; landscape watering, provided that all pesticides, herbicides, and fertilizer have been applied in accordance with manufacturers' instructions; pavement wash waters where no detergents or hot water are used, no spills or leaks of toxic or hazardous materials have occurred (unless all spilled material has been removed), and surfaces are swept before washing; routine external building washdown that does not use detergents or hot water; uncontaminated groundwater or spring water; and foundation or footing drains where flows are not contaminated with process materials.

Piping and drainage systems for floor drains and other process wastewater discharge points must be separated from the storm drainage system to prevent inadvertent discharge of pollutants to waters of the state. Discharge from floor drains are not stormwater discharges and thus are a violation of this permit should they discharge to the stormwater drainage system.

Any other wastewater discharge or disposal to waters of the state must be permitted in a separate permit. A separate Department permit may not be required if the wastewater is reused or recycled without discharge or disposal to waters of the state, or discharged to the sanitary sewer with approval from the local sanitary authority.

6. **Water Quality Limited Streams** - If Total Maximum Daily Loads are established and the facility is assigned a waste load allocation, this permit may be reopened to incorporate the wasteload allocation.
7. **Water Quality Standards** Except as provided in OAR 340-045-0080, no wastes shall be discharged and no activities shall be conducted which violate Water Quality Standards as adopted in OAR 340-041 except in the defined mixing zones:
8. **Outfall and Mixing Zone** Outfall 001 includes the 2" stormwater discharge pipe and the 10" discharge pipe both located on the side of the dry dock. This permit establishes regulatory mixing zones (RMZ) and zones of initial dilution (ZID) around Outfalls 001, 002A, 002B, 003, and each other outfall described in the SWPCP with the following dimensions:

The mixing zone will be a radius of 10 feet from the point of discharge. A zone of initial dilution will be a radius of 5 feet from the point of discharge.

STORMWATER DISCHARGE LIMITATIONS

These daily maximum effluent limits are to be met at the end of each stormwater discharge pipe. Modeling has shown that these limits ensure that acute water quality criteria will be met at the end of the zone of initial dilution and that chronic criteria will be met at the end of the mixing zone.

Parameter	Limit
Total Lead	0.1 mg/L
Total Copper	5 mg/l
Total Zinc	5 mg/L
pH	5.5 - 9 SU
Total Suspended Solids	130 mg/L
Oil & Grease	10 mg/L
Floating Solids (associated with industrial activities)	No Visible Discharge
Oil & Grease Sheen	No Visible Sheen

SCHEDULE B
Minimum Monitoring and Reporting Requirements

1. Minimum Monitoring Requirements

a) The permittee shall monitor stormwater associated with industrial activity for the following:

GRAB SAMPLES OF STORMWATER	
Parameter	Frequency
Total Lead	Four times per Year*
Total Copper	Four times per Year*
Total Zinc	Four times per Year*
pH	Four times per Year*
Total Suspended Solids	Four times per Year*
Oil & Grease	Four times per Year*

* When discharging and at least 14 days apart. All parameters are to be sampled at the same sampling event.

VISUAL MONITORING OF STORMWATER	
Parameter	Frequency
Floating Solids (associated with industrial activities)	Once a Month (when discharging)
Oil & Grease Sheen	Once a Month (when discharging)

Sampling Methodology - Grab samples that are representative of the discharge must be taken at least 14 days apart. Two samples must be collected between September 1 and December 31, and two samples must be collected between January 1 and May 30.

Sampling Variance - Should insufficient rainfall occur to provide runoff for sampling, the missed sampling event should be recorded as "insufficient runoff for sampling". DEQ will evaluate these sampling variances on a case-by-case basis.

Multiple Point Source Discharges - Outfall 001 must be monitored in accordance with B.1.a. and B.1.b. Other stormwater outfalls must be monitored in accordance with B.1.a and B.1.b unless the outfall:

- i) Serves an area with no exposure of stormwater to industrial activities; or
- ii) Has effluent that is substantially similar to the effluent(s) of a monitored outfall.
Substantially similar effluent(s) are discharges from drainage areas serving comparable activities where the discharges are expected to be similar in composition. If the permittee elects not to monitor an outfall due to the substantially similar effluent(s), the permittee must do one of the following:
 - (1) Demonstrate that the limits were not exceeded at the outfall for four consecutive sampling events;

- (2) Explain in the SWPCP why discharges from the outfall are substantially similar to discharges from a monitored outfall or an outfall that meets the requirements of the preceding paragraph (1).
 - b) **Monitoring Location** - All samples must be taken at monitoring points specified in the SWPCP or in this permit in Schedule A.8. before the stormwater joins or is diluted by any other waste stream, body of water, or substance unless otherwise approved in writing by the Department.
2. **Reporting Requirements** - The permittee must submit the following to the appropriate Department regional office or its Agent:
 - a) **Monitoring Data** - By July 15 of each year, the permittee must submit sampling and visual monitoring data for the previous monitoring period (July 1 - June 30). If there was insufficient rainfall to collect samples, the permittee must notify the Department by July 15 of each year. The permittee must also report the minimum detection levels and analytical methods for the parameters analyzed.

SCHEDULE C
Compliance Conditions and Schedule

1. Upon issuance of this permit, the permittee must begin implementation of the SWPCP.
2. Except for site controls that require capital improvements (see Schedule D.3, Definitions), the SWPCP or action plan must be fully implemented within 30 days after receiving this permit or within 30 days after Department approval of the action plan, respectively. Site controls that require capital improvements must be completed in accordance with the schedule set forth in the SWPCP or action plan but shall not be later than two years after receiving this permit or after Department approval of an action plan, respectively.

SCHEDULE D
Special Conditions

1. **Releases in Excess of Reportable Quantities.** This permit does not relieve the permittee of the reporting requirements of 40 CFR §117 Determination of Reportable Quantities for Hazardous Substances and 40 CFR §302 Designation, Reportable Quantities, and Notification.
2. **Availability of SWPCP and Monitoring Data.** The SWPCP and SWPCP revisions must be submitted to the Department in accordance with the requirements of this permit. The SWPCP and stormwater monitoring data must be made available to government agencies responsible for stormwater management in the permittee's area.
3. **Definitions**
 - a) *Ballast Water* means water used to trim the vessel or make it more stable during operation.
 - b) *Bilge Water* means stagnant dirty water from the hold or the rounded lower part of a water ship's hull. Uncontaminated Bilge Water would be water without an oily sheen.
 - c) *Capital Improvements* means the following improvements that require capital expenditures:
 - i) Treatment best management practices including but not limited to settling basins, oil/water separation equipment, catch basins, grassy swales, detention/retention basins, and media filtration devices.
 - ii) Manufacturing modifications that incur capital expenditures, including process changes for reduction of pollutants or wastes at the source.
 - iii) Concrete pads, dikes and conveyance or pumping systems utilized for collection and transfer of stormwater to treatment systems.
 - iv) Roofs and appropriate covers for manufacturing areas.
 - d) *Hazardous Substances* as defined in 40 CFR §302 Designation, Reportable Quantities, and Notification.
 - e) *Material Handling Activities* include the storage, loading and unloading, transportation or conveyance of raw material, intermediate product, finished product, by-product or waste product.
 - f) *Pressure Washer Water* means (as it pertains to this permit) low volume high pressure water used to remove scale, growth, or other fouling material from vessels.
 - g) *Point Source* means a discharge from any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, or conduit.
 - h) *Significant Materials* includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under section 101(14) of CERCLA; any chemical that a facility is required to report pursuant to section 313 of title III of SARA; fertilizers; pesticides; and waste products such as ash, slag, and sludge that have the potential to be released with stormwater discharges.

SCHEDULE F
NPDES GENERAL CONDITIONS

SECTION A. STANDARD CONDITIONS

1. Duty to Comply

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of Oregon Revised Statutes (ORS) 468B.025, and 40 Code of Federal Regulations (CFR) Section 122.41(a), and is grounds for enforcement action; for permit termination, revocation or reissuance, or modification; or for denial of a permit renewal application.

2. Penalties for Water Pollution and Permit Condition Violations

ORS 468.140 allows the Department to impose civil penalties up to \$10,000 per day for violation of a term, condition, or requirement of a permit. Additionally 40 CFR 122.41 (A) provides that any person who violates any permit condition, term, or requirement may be subject to a federal civil penalty not to exceed \$25,000 per day for each violation.

Under ORS 468.943 and 40 CFR 122.41(a), unlawful water pollution, if committed by a person with criminal negligence, is punishable by a fine of up to \$25,000 imprisonment for not more than one year, or both. Each day on which a violation occurs or continues is a separately punishable offense.

Under ORS 468.946, a person who knowingly discharges, places, or causes to be placed any waste into the waters of the state or in a location where the waste is likely to escape into the waters of the state is subject to a Class B felony punishable by a fine not to exceed \$200,000 and up to 10 years in prison. Additionally, under 40 CFR 122.41(a) any person who knowingly discharges, places, or causes to be placed any waste into the waters of the state or in a location where the waste is likely to escape into the waters of the state is subject to a federal civil penalty not to exceed \$100,000, and up to 6 years in prison.

3. Duty to Mitigate

The permittee must 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. In addition, upon request of the Department, the permittee must correct any adverse impact on the environment or human health resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge.

4. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and have the permit renewed. The application must be submitted at least 180 days before the expiration date of this permit.

The Department may grant permission to submit an application less than 180 days in advance but no later than the permit expiration date.

5. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:

- a. Violation of any term, condition, or requirement of this permit, a rule, or a statute
- b. Obtaining this permit by misrepresentation or failure to disclose fully all material facts
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge
- d. The permittee is identified as a Designated Management Agency or allocated a wasteload under a Total Maximum Daily Load (TMDL)
- e. New information or regulations
- f. Modification of compliance schedules
- g. Requirements of permit re-opener conditions
- h. Correction of technical mistakes made in determining permit conditions
- i. Determination that the permitted activity endangers human health or the environment
- j. Other causes as specified in 40 CFR 122.62, 122.64, and 124.5

The filing of a request by the permittee for a permit modification, revocation or reissuance, termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

6. Toxic Pollutants

The permittee must comply with any applicable effluent standards or prohibitions established under Oregon Administrative Rules (OAR) 340-041-0033 for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

7. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege, nor does it authorize any injury to persons of property or invasion of any other private rights, nor any infringement of federal, tribal, state, or local laws or regulations.

8. Permit References

Except for effluent standards or prohibitions established under Section 307(a) of the Clean Water Act and OAR 340-041-0033 for toxic pollutants, all rules and statutes referred to in this permit are those in effect on the date this permit is issued.

9. Permit Fees

The permittee must pay the fees required by OAR 340-045-0070 to 0075.

SECTION B. OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

1. Proper Operation and Maintenance

The permittee must at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems that are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

2. Duty to Halt or Reduce Activity

For industrial or commercial facilities, upon reduction, loss, or failure of the treatment facility, the permittee must, to the extent necessary to maintain compliance with its permit, control production or all discharges or both until the facility is restored or an alternative method of treatment is provided. This requirement applies, for example, when the primary source of power of the treatment facility fails or is reduced or lost. It is not a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

3. Bypass of Treatment Facilities

a. Definitions

- (1) "Bypass" means intentional diversion of waste streams from any portion of the treatment facility. The term "bypass" does not apply if the diversion does not cause effluent limitations to be exceeded, provided the diversion is to allow essential maintenance to assure efficient operation or the diversion is due to nonuse of nonessential treatment units or processes at the treatment facility.
- (2) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities or treatment processes that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b. Prohibition of bypass.

- (1) Bypass is prohibited unless:
 - (a) Bypass was necessary to prevent loss of life, personal injury, or severe property damage;
 - (b) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass that occurred during normal periods of equipment downtime or preventative maintenance; and
 - (c) The permittee submitted notices and requests as required under General Condition B.3.c.
- (2) The Department may approve an anticipated bypass, after considering its adverse effects and any alternatives to bypassing, when the Department determines that it will meet the three conditions listed above in General Condition B.3.b.(1).

c. Notice and request for bypass.

- (1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, a written notice must be submitted to the Department at least ten days before the date of the bypass.
- (2) Unanticipated bypass. The permittee must submit notice of an unanticipated bypass as required in General Condition D.5.

4. Upset

- a. 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 operation error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation.
- b. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of General Condition B.4.c are met. A determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance is not final administrative action subject to judicial review.
- c. Conditions necessary for a demonstration of upset. 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 causes(s) of the upset;
 - (2) The permitted facility was at the time being properly operated;
 - (3) The permittee submitted notice of the upset as required in General Condition D.5, hereof (24-hour notice); and
 - (4) The permittee complied with any remedial measures required under General Condition A.3 hereof.
- d. Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

5. Treatment of Single Operational Upset

For purposes of this permit, A Single Operational Upset that leads to simultaneous violations of more than one pollutant parameter will be treated as a single violation. A single operational upset is an exceptional incident that causes simultaneous, unintentional, unknowing (not the result of a knowing act or omission), temporary noncompliance with more than one Clean Water Act effluent discharge pollutant parameter. A single operational upset does not include Clean Water Act violations involving discharge without a NPDES permit or noncompliance to the extent caused by improperly designed or inadequate treatment facilities. Each day of a single operational upset is a violation.

6. Overflows from Stormwater Conveyance Systems (Privately Owned)

- a. Definitions
 - (1) "Overflow" means the diversion and discharge of waste streams from any portion of the wastewater conveyance system through a designed overflow device or structure, other than discharges to the wastewater treatment facility.
 - (2) "Severe property damage" means substantial physical damage to property, damage to the conveyance system which causes it to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of an overflow.
 - (3) "Uncontrolled overflow" means the diversion of waste streams other than through a designed overflow device or structure.
- b. Prohibition of overflows. Overflows are prohibited unless:
 - (1) Overflows were unavoidable to prevent an uncontrolled overflow, loss of life, personal injury, or severe property damage;
 - (2) There were no feasible alternatives to the overflows, such as the use of auxiliary conveyance systems, or maximization of conveyance system storage; and
 - (3) The overflows are the result of an upset as defined in General Condition B.4. and meeting all requirements of this condition.
- c. Uncontrolled overflows are prohibited where wastewater is likely to escape or be carried into the waters of the State by any means.
- d. Reporting required. Unless otherwise specified in writing by the Department, all overflows and uncontrolled overflows must be reported orally to the Department within 24 hours from the time the permittee becomes aware of the overflow. Reporting procedures are described in more detail in General Condition D.5.

7. Public Notification of Effluent Violation or Overflow

If effluent limitations specified in this permit are exceeded or an overflow occurs, upon request by the Department, the permittee must take such steps as are necessary to alert the public about the extent and nature of the discharge. Such

steps may include, but are not limited to, posting of the river at access points and other places, news releases, and paid announcements on radio and television.

8. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters must be disposed of in such a manner as to prevent any pollutant from such materials from entering waters of the state, causing nuisance conditions, or creating a public health hazard.

SECTION C. MONITORING AND RECORDS

1. Representative Sampling

Sampling and measurements taken as required herein must be representative of the volume and nature of the monitored discharge. All samples must be taken at the monitoring points specified in this permit, and shall be taken, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points may not be changed without notification to and the approval from the Department.

2. Flow Measurements

Appropriate flow measurement devices and methods consistent with accepted scientific practices must be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices must be installed, calibrated and maintained to insure that the accuracy of the measurements is consistent with the accepted capability of that type of device. Devices selected must be capable of measuring flows with a maximum deviation of less than ± 10 percent from true discharge rates throughout the range of expected discharge volumes.

3. Monitoring Procedures

Monitoring must be conducted according to test procedures approved under 40 CFR part 136, unless other test procedures have been specified in this permit.

4. Penalties of 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 may, upon conviction, be punished by a fine of not more than \$10,000 per violation, imprisonment for not more than two years, or both. If a conviction of a person is for a violation committed after a first conviction of such person, punishment is a fine not more than \$20,000 per day of violation, or by imprisonment of not more than four years, or both.

5. Reporting of Monitoring Results

Monitoring results must be summarized each month on a Discharge Monitoring Report form approved by the Department. The reports must be submitted monthly and are to be mailed, delivered or otherwise transmitted by the 15th day of the following month unless specifically approved otherwise in Schedule B of this permit.

6. Additional Monitoring by the Permittee

If the permittee monitors any pollutant more frequently than required by this permit, using test procedures approved under 40 part CFR 136 or as specified in this permit, the results of this monitoring must be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report. Such increased frequency must also be indicated. For a pollutant parameter that may be sampled more than once per day (e.g., Total Chlorine Residual), only the average daily value must be recorded unless otherwise specified in this permit.

7. Averaging of Measurements

Calculations for all limitations that require averaging of measurements must utilize an arithmetic mean, except for bacteria which shall be averaged as specified in this permit.

8. Retention of Records

The permittee must retain records of all monitoring information, including: all calibration, maintenance records, all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit for a period of at least 3 years from the date of the sample, measurement, report, or application. This period may be extended by request of the Department at any time.

9. Records Contents

Records of monitoring information must include:

- a. The date, exact place, time, and methods of sampling or measurements;

- b. The individual(s) who performed the sampling or measurements;
- c. The date(s) analyses were performed;
- d. The individual(s) who performed the analyses;
- e. The analytical techniques or methods used; and
- f. The results of such analyses.

10. Inspection and Entry

The permittee must allow the Department or an authorized representative upon the presentation of credentials to:

- a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit, and
- d. Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by state law, any substances or parameters at any location.

SECTION D. REPORTING REQUIREMENTS

1. Planned Changes

The permittee must comply with OAR chapter 340, division 52, "Review of Plans and Specifications" and 40 CFR Section 122.41(I)(1). Except where exempted under OAR chapter 340, division 52, no construction, installation, or modification involving disposal systems, treatment works, sewerage systems, or common sewers may be commenced until the plans and specifications are submitted to and approved by the Department. The permittee must give notice to the Department as soon as possible of any planned physical alternations or additions to the permitted facility.

2. Anticipated Noncompliance

The permittee must give advance notice to the Department of any planned changes in the permitted facility or activity that may result in noncompliance with permit requirements.

3. Transfers

This permit may be transferred to a new permittee provided the transferee acquires a property interest in the permitted activity and agrees in writing to fully comply with all the terms and conditions of the permit and the rules of the Commission. No permit may be transferred to a third party without prior written approval from the Department. The Department may require modification, revocation, and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary. The permittee must notify the Department when a transfer of property interest takes place.

4. Compliance Schedule

Reports of compliance or noncompliance with, or any progress reports on interim and final requirements contained in any compliance schedule of this permit must be submitted no later than 14 days following each schedule date. Any reports of noncompliance must include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirements.

5. Twenty-Four Hour Reporting

The permittee must report any noncompliance that may endanger health or the environment. Any information must be provided orally (by telephone) within 24 hours, unless otherwise specified in this permit, from the time the permittee becomes aware of the circumstances. During normal business hours, the Department's Regional office must be called. Outside of normal business hours, the Department must be contacted at 1-800-452-0311 (Oregon Emergency Response System).

A written submission must also be provided within 5 days of the time the permittee becomes aware of the circumstances. Pursuant to ORS 468.959 (3) (a), if the permittee is establishing an affirmative defense of upset or bypass to any offense under ORS 468.922 to 468.946, delivered written notice must be made to the Department or other agency with regulatory jurisdiction within 4 (four) calendar days of the time the permittee becomes aware of the circumstances. The written submission must contain:

- a. A description of the noncompliance and its cause;
- b. The period of noncompliance, including exact dates and times;
- c. The estimated time noncompliance is expected to continue if it has not been corrected;
- d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and
- e. Public notification steps taken, pursuant to General Condition B.6

The following must be included as information that must be reported within 24 hours under this paragraph:

- e. Any unanticipated bypass that exceeds any effluent limitation in this permit.
- f. Any upset that exceeds any effluent limitation in this permit.
- g. Violation of maximum daily discharge limitation for any of the pollutants listed by the Department in this permit.
- h. Any noncompliance that may endanger human health or the environment.

The Department may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

6. Other Noncompliance

The permittee must report all instances of noncompliance not reported under General Condition D.4 or D.5, at the time monitoring reports are submitted. The reports must contain:

- a. A description of the noncompliance and its cause;
- b. The period of noncompliance, including exact dates and times;
- c. The estimated time noncompliance is expected to continue if it has not been corrected; and
- d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

7. Duty to Provide Information

The permittee must furnish to the Department within a reasonable time any information that the Department may request to determine compliance with this permit. The permittee must also furnish to the Department, upon request, copies of records required to be kept by this permit.

Other Information: When the permittee becomes aware that it has failed to submit any relevant facts or has submitted incorrect information in a permit application or any report to the Department, it must promptly submit such facts or information.

8. Signatory Requirements

All applications, reports or information submitted to the Department must be signed and certified in accordance with 40 CFR Section 122.22.

9. Falsification of Information

Under ORS 468.953, any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, is subject to a Class C felony punishable by a fine not to exceed \$100,000 per violation and up to 5 years in prison. Additionally, according to 40 CFR 122.41(k)(2), any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a federal civil penalty not to exceed \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

10. Changes to Discharges of Toxic Pollutant

The permittee must notify the Department as soon as it knows or have reason to believe of the following:

- a. That any activity has occurred or will occur that would result in the discharge, on a routine or frequent basis, of any toxic pollutant that is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (1) One hundred micrograms per liter (100 µg/l);
 - (2) Two hundred micrograms per liter (200 µg/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
 - (3) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR Section 122.21(g)(7); or
 - (4) The level established by the Department in accordance with 40 CFR Section 122.44(f).
- b. That any activity has occurred or will occur that would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant that is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (1) Five hundred micrograms per liter (500 µg/l);
 - (2) One milligram per liter (1 mg/l) for antimony;
 - (3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR Section 122.21(g)(7); or
 - (4) The level established by the Department in accordance with 40 CFR Section 122.44(f).

SECTION E. DEFINITIONS

1. *BOD* means five-day biochemical oxygen demand.
2. *TSS* means total suspended solids.
3. "*Bacteria*" includes but is not limited to fecal coliform bacteria, total coliform bacteria, and *E. coli* bacteria.
4. *FC* means fecal coliform bacteria.
5. *Total residual chlorine* means combined chlorine forms plus free residual chlorine
6. *Technology based permit effluent limitations* means technology-based treatment requirements as defined in 40 CFR Section 125.3, and concentration and mass load effluent limitations that are based on minimum design criteria specified in OAR Chapter 340, Division 41.
7. *mg/l* means milligrams per liter.
8. *kg* means kilograms.
9. *m³/d* means cubic meters per day.
10. *MGD* means million gallons per day.
11. *24-hour Composite sample* means a combination of at least six discrete sample aliquots of at least 100 milliliters, collected at periodic intervals from the same location, during the operating hours of the facility over a 24 hour period. Four (rather than six) aliquots should be collected for volatile organics analyses. The composite must be flow or time proportional, whichever is more appropriate. The sample aliquots must be collected and stored in accordance with procedures prescribed in the most recent edition of *Standard Methods for the Examination of Water and Wastewater*.
12. *Grab sample* means an individual discrete sample collected over a period of time not to exceed 15 minutes.
13. *Quarter* means January through March, April through June, July through September, or October through December.
14. *Month* means calendar month.
15. *Week* means a calendar week of Sunday through Saturday.



FedEx 7796 9395 1366

July 20, 2017

Attn: Killian Condon
Oregon DEQ - Northwest Region
Environmental Partnerships
700 NE Multnomah St., Suite 600
Portland, OR 97232

**RE: Solid Waste Letter Authorization Permit Application
Tidewater Barge Lines
Facility: Sundial Marine Construction and Repair, Inc.
5605 NE Sundial Road
Troutdale, Oregon 97060**

Please find the enclosed application package for a Solid Waste Letter Authorization Permit. Tidewater Barge Lines (Tidewater) intends to operate a vessel recovery facility at their Sundial Marine Construction and Repair, Inc. site located in Troutdale, Oregon (facility). The facility will accept vessels (e.g. boats and barges), identify waste and recyclable materials on the vessel, deconstruct the vessel, and transfer the materials to containers for transport and proper disposal. Tidewater's facility intends to receive these vessels via the Columbia River. Initially, the facility plans to accept derelict vessels from the State of Oregon submerged land lease 20960-ML near Goble, Oregon. On June 26, 2017 the State of Oregon released a formal request for proposal for the 'Clean Up & Disposal of Goble Site.' The Goble site has approximately 10 derelict vessel that require proper disposal. The facility plans to accept vessels when approved by Metro, DEQ, and the State of Oregon and when the Goble project begins and will continue to operate as long as there is a need for the facility to accept vessels for proper disposal.

The following items are enclosed:

- Completed Application for Solid Waste Disposal Site Permit form
- Completed Land Use Compatibility Statement
- Proof of business registry with the State of Oregon
- A list of DEQ permits issued to the site
- Property owner's addresses within a quarter mile radius from the facility
- Statement of approval from the property owner
- Vessel Recovery Facility Design and Operations Plan, which includes facility Site Plan
- Check for application fee totaling \$500

Please contact me at (360) 693-1491 if you have any questions concerning this application or if you require additional information.

Sincerely,

A handwritten signature in black ink, consisting of a series of connected loops and a long horizontal stroke.

Stephanie Kranz
Environmental Manager

Enclosures

cc: Hila Ritter, Solid Waste Authorization Coordinator, Metro

Application for Solid Waste Disposal Site Permit

Oregon Department of Environmental Quality



State of Oregon
Department of
Environmental
Quality

DEQ BUSINESS OFFICE USE ONLY

Date Rec'd: _____

Amount Rec'd: _____

Check No.: _____

Deposit No.: _____

Forward confirmation of fee payment to:

- Eastern Region: DEQ-The Dalles
- Northwestern Region: DEQ-NWR
- Western Region: DEQ-Eugene

A. TYPE OF PERMIT REQUESTED

New	<input checked="" type="checkbox"/>	Renewal	<input type="checkbox"/>	Modification	<input type="checkbox"/>
-----	-------------------------------------	---------	--------------------------	--------------	--------------------------

B. REFERENCE INFORMATION *Attach additional sheets if needed. Please type or print clearly.*

1. APPLICANT INFORMATION

Name	Stephanie Kranz
Company name	Tidewater Barge Lines
Address	PO Box 1210
City, State, Zip	Vancouver, WA 98666
Telephone	360.693.1491
Email	stephanie.kranz@tidewater.com

2. PROPERTY OWNER INFORMATION

Name	Hickey Family Companies
Mailing address	5701 SE Columbia Way, Ste 200
City, State, Zip	Vancouver, WA 98661
Telephone or email	(360) 604 4333

3. FACILITY INFORMATION

Facility common name	Sundial Marine Construction & Repair, Inc
Permit No. (if applicable)	
Street address	5605 NE Sundial Rd
City, State, Zip	Troutdale, OR 97060-9504
County	Multnomah
Latitude and longitude	45.563375, -122.414105
Tax lot number(s)	400 and 100 (Section 22, Township 1N, Range 3E)
Mailing address	PO Box 1210
City, State, Zip	Vancouver, WA 98666
Operator name	Global Diving & Salvage, Inc.
Operator telephone	206.623.0621
Operator email	aharrington@gdiving.com
Modification Reason (if applicable)	

C. TYPE OF PERMIT REQUESTED: *Check one*

- | | |
|---|--|
| <input type="checkbox"/> Landfill Closure Permit | <input type="checkbox"/> Landfill Permit |
| <input type="checkbox"/> Composting or Anaerobic Digester Facility Permit | <input checked="" type="checkbox"/> Solid Waste Letter Authorization Permit (short-term projects only) |
| <input type="checkbox"/> Conversion Technology Facility Permit | <input type="checkbox"/> Solid Waste Treatment Facility Permit |
| <input type="checkbox"/> Energy Recovery Facility Permit | <input type="checkbox"/> Transfer Station or Material Recovery Facility Permit |
| <input type="checkbox"/> Incineration Facility Permit | |

Please contact the solid waste permit coordinator for your region if you have any questions about the permit type or need further information. See page 2 for DEQ regional office contacts.

SIGNATURE: I hereby certify by my signature below that the information contained in this application and the documents I have attached, are true and correct to the best of my knowledge and belief.

Signature: 	Date: 7/14/17
Print name: Stephanie Kranz	Title: Environmental Manager

ATTACH TO THIS PERMIT APPLICATION

To complete your application attach the following if required for your application: (Note: New applications need Items 1-5; Renewals need Item 5. If you have questions regarding requirements, please check with the regional permit coordinator).

- 1. A completed LAND USE COMPATIBILITY STATEMENT which identifies: 1) the type of activity/facility proposed (composting facility, material recovery facility, anaerobic digestion facility, etc.); 2) the specific location of the facility; and 3) the amount of solid waste the facility will receive.
- 2. A WRITTEN RECOMMENDATION from the local government unit having jurisdiction of solid waste in my area. Not Applicable per Killian Condon-DEQ and Matt Korot-Metro.
- 3. A CERTIFICATE OF BUSINESS REGISTRY of this business with the State of Oregon.
- 4. A LIST OF DEQ PERMITS issued or applied for under the business name listed above
 Check here if no other permits have been applied for or issued.
- 5. A list of property owner's addresses within a quarter mile radius of solid waste facility property boundary in Excel or similar format. (For facilities located in Eastern Region, attach adjacent land owner's addresses only).
- 6. Additional materials, as listed on the instruction sheet specific to the type of facility for which you are applying. (Refer to <http://www.oregon.gov/deq/mm/swpermits/Pages/default.aspx> or contact your region's DEQ solid waste permit coordinator if you have questions).

Please see applicable websites for further information:

Composting and Anaerobic Digesters: <http://www.oregon.gov/deq/mm/swpermits/Pages/Composting-Facilities.aspx>

Conversion Technology: <http://www.oregon.gov/deq/mm/swpermits/Pages/Conversion-Technology-Facilities.aspx>

Material Recovery Facilities and Transfer Stations: <http://www.oregon.gov/deq/mm/swpermits/Pages/Material-Recovery-Facilities.aspx>

Permit Coordinators: <http://www.oregon.gov/deq/mm/swpermits/Pages/default.aspx>

FEES – MUST ACCOMPANY THIS APPLICATION

Permit Fees: <http://www.oregon.gov/deq/mm/swpermits/Pages/Fees.aspx>

Make checks payable to Oregon DEQ.

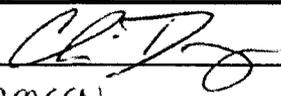
**Oregon Department of Environmental Quality
LAND USE COMPATIBILITY STATEMENT (LUCS)**

p. 1 of 2

SECTION 1 - TO BE COMPLETED BY APPLICANT	
1A. Applicant Name: Tidewater Barge Lines	1B. Project Name: Sundial Vessel Recovery
Contact Name: Stephanie Kranz	Physical Address: 5605 NE Sundial Rd
Mailing Address: PO Box 1210	City, State, Zip: Troutdale, OR 97060-9504
City, State, Zip: Vancouver, WA 98666	Tax Lot #: 400, 100
Telephone: 360.693.1491	Township: 1 North Range: 3 East Section: 22
Tax Account #: 065012731	Latitude: 45.563374
	Longitude: -122.414449
1C. Describe the project, include the type of development, business, or facility and services or products provided (attach additional information if necessary):	
Tidewater Barge Lines plans to develop a Material Recovery Facility at the former site of Sundial Marine Construction and Repair. The site would receive derelict vessels, primarily from Goble, Oregon, and separate recyclable and waste materials to properly dispose of the vessels and their components.	
1D. Check the type of DEQ permit(s) or approval(s) being applied for at this time.	
<input type="checkbox"/> Air Quality Notice of Construction <input type="checkbox"/> Air Contaminant Discharge Permit (<i>excludes portable facility permits</i>) <input type="checkbox"/> Air Quality Title V Permit <input type="checkbox"/> Air Quality Indirect Source Permit <input type="checkbox"/> Parking/Traffic Circulation Plan <input type="checkbox"/> Solid Waste Land Disposal Site Permit <input type="checkbox"/> Solid Waste Treatment Facility Permit <input type="checkbox"/> Solid Waste Composting Facility Permit (includes Anaerobic Digester) <input type="checkbox"/> Conversion Technology Facility Permit <input type="checkbox"/> Solid Waste Letter Authorization Permit <input checked="" type="checkbox"/> Solid Waste Material Recovery Facility Permit <input type="checkbox"/> Solid Waste Energy Recovery Facility Permit <input type="checkbox"/> Solid Waste Transfer Station Permit <input type="checkbox"/> Waste Tire Storage Site Permit	<input type="checkbox"/> Pollution Control Bond Request <input type="checkbox"/> Hazardous Waste Treatment, Storage, or Disposal Permit <input type="checkbox"/> Clean Water State Revolving Fund Loan Request <input type="checkbox"/> Wastewater/Sewer Construction Plan/Specifications (<i>includes review of plan changes that require use of new land</i>) <input type="checkbox"/> Water Quality NPDES Individual Permit <input type="checkbox"/> Water Quality WPCF Individual Permit (<i>for onsite construction-installation permits use the DEQ Onsite LUCS form</i>) <input type="checkbox"/> Water Quality NPDES Stormwater General Permit (<i>1200-A, 1200-C, 1200-CA, 1200-COLS, and 1200-Z</i>) <input type="checkbox"/> Water Quality General Permit (<i>all general permits, except 600, 700-PM, 1700-A, and 1700-B when they are mobile.</i>) <input type="checkbox"/> Water Quality 401 Certification for federal permit or license
1E. This application is for: <input type="checkbox"/> Permit Renewal <input checked="" type="checkbox"/> New Permit <input type="checkbox"/> Permit Modification <input type="checkbox"/> Other:	
SECTION 2 - TO BE COMPLETED BY CITY OR COUNTY PLANNING OFFICIAL	
Instructions: Written findings of fact for all local decisions are required; written findings from previous actions are acceptable. For uses allowed outright by the acknowledged comprehensive plan, DEQ will accept written findings in the form of a reference to the specific plan policies, criteria, or standards that were relied upon in rendering the decision with an indication of why the decision is justified based on the plan policies, criteria, or standards.	
2A. The project proposal is located: <input type="checkbox"/> Inside city limits <input checked="" type="checkbox"/> Inside UGB <input type="checkbox"/> Outside UGB	
2B. Name of the city or county that has land use jurisdiction (the legal entity responsible for land use decisions for the subject property or land use): CITY OF TROUTDALE VIA IGA w/ MULTNOMAH Co.	

**Oregon Department of Environmental Quality
LAND USE COMPATIBILITY STATEMENT (LUCS)**

p. 2 of 2

SECTION 2 - TO BE COMPLETED BY CITY OR COUNTY PLANNING OFFICIAL		
Applicant Name: TIDEWATER BARGE LINES	Project Name: SUNDIAL VESSEL RECOVERY	
2C. Is the activity allowed under Measure 49 (2007)? <input checked="" type="checkbox"/> No, Measure 49 is not applicable <input type="checkbox"/> Yes; if yes, then check one:		
<input type="checkbox"/> Express; approved by DLCD order #:		
<input type="checkbox"/> Conditional; approved by DLCD order #:		
<input type="checkbox"/> Vested; approved by local government decision or court judgment docket or order #:		
2D. Is the activity a composting facility? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes; Senate Bill 462 (2013) notification requirements have been met.		
2E. Is the activity or use compatible with your acknowledged comprehensive plan as required by OAR 660-031? <i>Please complete this form to address the activity or use for which the applicant is seeking approval (see 1.C on the previous page). If the activity or use is to occur in multiple phases, please ensure that your approval addresses the phases described in 1.C. For example, if the applicant's project is described in 1.C as a subdivision and the LUCS indicates that only clearing and grading are allowed outright but does not indicate whether the subdivision is approved, DEQ will delay permit issuance until approval for the subdivision is obtained from the local planning official.</i>		
<input type="checkbox"/> The activity or use is specifically exempt by the acknowledged comprehensive plan; explain:		
<input type="checkbox"/> YES, the activity or use is pre-existing nonconforming use allowed outright by (provide reference for local ordinance):		
<input checked="" type="checkbox"/> YES, the activity or use is allowed outright by (provide reference for local ordinance): 3.172.I - TROUTDALE DEVELOPMENT CODE		
<input type="checkbox"/> YES, the activity or use received preliminary approval that includes requirements to fully comply with local requirements; findings are attached.		
<input type="checkbox"/> YES, the activity or use is allowed; findings are attached.		
<input type="checkbox"/> NO, see 2.C above, activity or use allowed under Measure 49; findings are attached.		
<input type="checkbox"/> NO, (complete below or attach findings for noncompliance and identify requirements the applicant must comply with before compatibility can be determined): Relevant specific plan policies, criteria, or standards: Provide the reasons for the decision:		
Additional comments (attach additional information as needed):		
Planning Official Signature: 	Title: PLANNING DIRECTOR	
Print Name: CHRIS DAMGEN	Telephone #: 503 674 7228	Date: 8/4/16
<i>If necessary, depending upon city/county agreement on jurisdiction outside city limits but within UGB:</i>		
Planning Official Signature:		Title:
Print Name:	Telephone #:	Date:

AMENDED ANNUAL REPORT



Corporation Division
www.filinginoregon.com

E-FILED
Apr 06, 2017
OREGON SECRETARY OF STATE

REGISTRY NUMBER

3653219

REGISTRATION DATE

04/20/1933

BUSINESS NAME

TIDEWATER BARGE LINES, INC.

BUSINESS ACTIVITY

TRANSPORTATION

MAILING ADDRESS

PO BOX 1210
VANCOUVER WA 98666 USA

TYPE

DOMESTIC BUSINESS CORPORATION

PRIMARY PLACE OF BUSINESS

6305 NW OLD LOWER RIVER RD
VANCOUVER WA 98660 USA

JURISDICTION

OREGON

REGISTERED AGENT

15872088 - CORPORATION SERVICE COMPANY

1127 BROADWAY STREET NE STE 310
SALEM OR 97301 USA

If the Registered Agent has changed, the new agent has consented to the appointment.

PRESIDENT

ROBERT A CURCIO

6305 NW OLD LOWER RIVER RD
VANCOUVER WA 98660 USA

SECRETARY

ROBERT CURCIO

6305 NW OLD LOWER RIVER RD
VANCOUVER WA 98660 USA



By my signature, I declare as an authorized authority, that this filing has been examined by me and is, to the best of my knowledge and belief, true, correct, and complete. Making false statements in this document is against the law and may be penalized by fines, imprisonment, or both.

By typing my name in the electronic signature field, I am agreeing to conduct business electronically with the State of Oregon. I understand that transactions and/or signatures in records may not be denied legal effect solely because they are conducted, executed, or prepared in electronic form and that if a law requires a record or signature to be in writing, an electronic record or signature satisfies that requirement.

ELECTRONIC SIGNATURE

NAME

ROBERT CURCIO

TITLE

PRESIDENT

DATE SIGNED

04-06-2017

AMENDED ANNUAL REPORT



Corporation Division
www.filinginoregon.com

E-FILED
May 25, 2017
OREGON SECRETARY OF STATE

REGISTRY NUMBER

11047313

REGISTRATION DATE

06/03/1975

BUSINESS NAME

SUNDIAL MARINE CONSTRUCTION & REPAIR, INC.

BUSINESS ACTIVITY

CLEANING AND TRANSPORTATION SERVICES

MAILING ADDRESS

PO BOX 1210
VANCOUVER WA 98666 USA

TYPE

DOMESTIC BUSINESS CORPORATION

PRIMARY PLACE OF BUSINESS

6305 NW OLD LOWER RIVER RD
VANCOUVER WA 98660 USA

JURISDICTION

OREGON

REGISTERED AGENT

15872088 - CORPORATION SERVICE COMPANY

1127 BROADWAY STREET NE STE 310
SALEM OR 97301 USA

If the Registered Agent has changed, the new agent has consented to the appointment.

PRESIDENT

ROBERT A CURCIO

6305 NW OLD LOWER RIVER ROAD
VANCOUVER WA 98666 USA

SECRETARY

MYRON J REISING

6305 NW OLD LOWER RIVER RD
VANCOUVER WA 98660 USA



By my signature, I declare as an authorized authority, that this filing has been examined by me and is, to the best of my knowledge and belief, true, correct, and complete. Making false statements in this document is against the law and may be penalized by fines, imprisonment, or both.

By typing my name in the electronic signature field, I am agreeing to conduct business electronically with the State of Oregon. I understand that transactions and/or signatures in records may not be denied legal effect solely because they are conducted, executed, or prepared in electronic form and that if a law requires a record or signature to be in writing, an electronic record or signature satisfies that requirement.

ELECTRONIC SIGNATURE

NAME

ROBERT A CURCIO

TITLE

PRESIDENT

DATE SIGNED

05-25-2017

4. A LIST OF DEQ PERMITS issued or applied for under the business name listed above

Sundial Marine Construction & Repair, Inc.: National Pollutant Discharge Elimination System (NPDES) Waste Discharge Permit, permit number 102890

5. A list of property owner's addresses within a quarter mile radius of solid waste facility property boundary in Excel or similar format

SITE ADDRESS	MAP-TAXLOT	OWNER
5700 WI/ NW SUNDIAL RD TROUTDALE 97060	1N3E14 -00300, 00200, 00100	MORSE BROS INC 32260 OLD HWY 34 TANGENT OR 97389
22329 E/ NE MARINE DR FAIRVIEW 97024	1N3E22 -00502	METRO PARKS & GREENSPACES 600 NE GRAND AVE PORTLAND OR 97232-2736
TROUTDALE REYNOLDS INDUSTRIAL PARK NW SUNDIAL RD TROUTDALE 97060	1N3E22A -00100, -00200, -00201-00300 1N3E23B -00202, -00203, -00204, -00205, -00206	PORT OF PORTLAND ATTN CORP REAL ESTATE MGR PO BOX 3529 PORTLAND OR 97208-3529
2791 W/ NW SUNDIAL RD TROUTDALE 97060	1N3E23B -00300	JAMES RIVER II INC FORT JAMES CORP PROPERTY TAX MANAGER PO BOX 105681 ATLANTA GA 30348-5681
2791 NW SUNDIAL RD TROUTDALE 97060	1N3E23B -00400	PACIFIC POWER & LIGHT CO PACIFIC CORP ATTN: TAX DEPARTMENT 825 NE MULTNOMAH ST #1900 PORTLAND OR 97232
2731 NW SUNDIAL RD TROUTDALE 97060	1N3E23B -00500	PACIFIC POWER & LIGHT CO PACIFIC CORP ATTN: TAX DEPARTMENT 825 NE MULTNOMAH ST #1900 PORTLAND OR 97232

Property Use Consent

Solid waste application supplemental form



SUBMIT THIS FORM TO:
Metro
Solid Waste Compliance and Cleanup
600 NE Grand Avenue
Portland, OR 97232-2736
Tel: (503) 797-1835
Fax: (503)813-7544
SWCC@oregonmetro.gov

<p>Metro use only DATE RECEIVED: DATE DEEMED COMPLETE BY METRO:</p>
--

Property Use Consent

1. Property Owner.	
Name:	Hickey Family Company
Mailing Address:	PMB 193, 16420 SE McGillivray, Suite 103
City/State/Zip:	Vancouver, WA 986683-3461
Phone Number:	(360) 604 4333

2. Site Description.			
Tax Lot(s): 400, 100	Section: 22	Township: 1 North	Range: 3 East
Address: 5605 NE Sundial Rd, Troutdale, OR 97060-9504			

3. Describe the applicant's proposed use of this property.
Tidewater plans to develop a Material Recovery Facility at the former site of Sundial Marine Construction & Repair. The site would receive derelict vessels, primarily from Goble, Oregon, and separate recyclable and waste materials to properly dispose of the vessels and their components.

4. Describe the property interest held by the prospective Licensee or Franchisee (Applicant).
Sundial Marine Construction & Repair, Inc., a Tidewater subsidiary company, current leases the property from the Hickey Family Company.

Property Use Consent

Solid waste application supplemental form



Metro

600 NE Grand Ave.
Portland, OR 97232
503-797-1835

5. Describe the duration of the interest.

The current property lease with the Hickey Family Company expires in 2036 with an option to renew for an additional forty (40) years.

APPLICANT CERTIFICATION:

An authorized agent of the applicant must sign this form. Metro will not accept a form without a signature.

I certify that the information contained in this form is true and correct to the best of my knowledge. I agree to notify Metro within 10 days of any change in the information submitted as a part of this application.

SIGNATURE OF AUTHORIZED AGENT _____

TITLE Environmental Manager

PRINT NAME Stephanie Kranz

DATE 6/30/2017

PHONE 360.693.1491

PROPERTY OWNER(S): This form cannot be processed without a signature.

"I consent to the applicant's proposed use of this property as described on this form. I have also read and agree to be bound by the provisions of Section 5.01 of the Metro Code if the applicant is granted a franchise or license and that franchise or license is subsequently revoked or if renewal of that franchise or license is refused." Metro Code Section 5.01 states: "Upon revocation or refusal to renew the Franchise or License, all rights of the Franchisee or Licensee in the Franchise or License shall immediately be divested."

I certify that the information contained in this form is true and correct to the best of my knowledge. I agree to notify Metro within 10 days of any change in the information submitted as a part of this application.

SIGNATURE _____

PRINT NAME Wes Hickey

DATE 6/30/17

PHONE 360 335-1945

SIGNATURE _____

PRINT NAME _____

DATE _____

PHONE _____

TIDEWATER BARGE LINES

PO Box 1210
Vancouver, WA 98666

VESSEL RECOVERY FACILITY DESIGN AND OPERATIONS PLAN

Facility Location:

Sundial Marine Construction & Repair, Inc.
5605 NE Sundial Road
Troutdale, OR 97060

Prepared in Accordance with:

Metro Solid Waste Facility License Application
Oregon DEQ Solid Waste Letter Authorization Permit Application

July 2017

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FIGURES

Figure 1 Site Location Map

Figure 2 Site Plan

APPENDIX A

Appendix A Best Management Practices

1.0 INTRODUCTION

The purpose of this plan is to establish procedures to accept and process vessel-derived waste in a manner that protects the public and the environment, in accordance with the rules and requirements of the Oregon Department of Environmental Quality (DEQ) and Metro.

Tidewater Barge Lines (Tidewater) intends to operate a vessel recovery facility at their Sundial Marine Construction and Repair, Inc. site located in Troutdale, Oregon (facility). The facility will accept vessels (e.g. boats and barges), identify waste and recyclable materials on the vessel, deconstruct the vessel, and transfer the materials to containers for transport and proper disposal. Tidewater's facility intends to receive these vessels via the Columbia River. Initially, the facility plans to accept derelict vessels from the State of Oregon submerged land lease 20960-ML near Goble, Oregon. On June 26, 2017 the State of Oregon released a formal request for proposal for the 'Clean Up & Disposal of Goble Site.' The Goble site has approximately 10 derelict vessel that require proper disposal. The facility plans to accept vessels when approved by Metro, DEQ, and the State of Oregon and when the Goble project begins and will continue to operate as long as there is a need for the facility to accept vessels for proper disposal.

2.0 FACILITY DESCRIPTION

2.1 Site Location and Topography

Sundial Marine Construction and Repair, Inc. is located at 5605 NE Sundial Road in Troutdale, Oregon (facility) on the south shore of the Columbia River near River Mile 120 (see Figure 1). The facility is located north of the City of Troutdale in Multnomah County in Section 22, Township 1 North, Range 3 East and consists two tax lots, 400 and 100 covering approximately 21 acres. The topography of the site is generally flat with lower wetland areas within the southern 1/3 of the property. Surface elevations generally range between 20 and 35 feet above mean seal level

2.2 Facility Layout, Site Access and Egress

Current facility structures include the main office, a shop building, and the former Pre-Fab Construction Platform. See Figure 2 for Site Plan. A spud barge referred to as the "Irrigon" extends into the Columbia River serves as a working platform and area to tie off vessels. The area referred to as the "Ways" is a vessel launch and receiving and point to/from the river and an upland vessel deconstruction area. The Ways has a gradual downward slope to the Columbia River and is covered by gravel, steel rails, and isolated concrete piers.

The facility operated as a ship construction and repair facility for approximately 40 years. Operational areas are considered to be the portions of the facility that are paved with gravel or asphalt; these areas have historically been used for industrial activities. The facility's upland and dock operational areas cover a total of approximately 7 acres. No industrial activities or material storage will take place in the non-operational areas of the site, which consist of vegetated areas and the river bank.

Access to the facility is via a paved extension of Sundial Road that ends at the facility or via a river-going vessel from the Columbia River. The facility is completely fenced, with controlled access at a gate and security office located near the center of the facility's eastern property line.

2.3 Stormwater Management

Facility stormwater is managed under DEQ National Pollutant Discharge Elimination System (NPDES) Waste Discharge Permit, permit number 102890 issued in 2006. Tidewater is currently working with the DEQ to transition the current stormwater permit in to a NPDES 1200-Z General Permit.

Most of the facility's stormwater infiltrates into pervious surfaces, including gravel and vegetated areas, which cover approximately 92% of the site. The remaining stormwater leaves the site through outfalls or by minimal sheet flow into the Columbia River. Impervious surfaces include structures and the paved facility entrance and parking area.

One permanent outfall, Outfall #002, is located at the facility. Outfall #002 receives stormwater, from the area in between the Shop and Main Office buildings and building roof drainage through one catch basin.

Tidewater developed both general and activity specific best management practices (BMPs) for the facility to prevent, to the maximum extent practicable, stormwater runoff contamination. BMPs are included in Appendix A.

3.0 GENERAL FACILITY OPERATION

3.1 Inspection, Storage, and Processing of Loads

Vessels will be inspected prior to acceptance and transport to the facility. Vessels that are stable and can be towed to the facility will be staged at the Irrigon and moved onto the facility via the Ways where vessel deconstruction and waste removal will take place. A plastic liner will be used when deconstructing vessels on land whenever possible. Derelict vessels will be transported to the site via a deck barge or other vessel. The deck barge will be tied off to the Irrigon and vessel deconstruction and waste removal will take place on the deck barge.

Waste and recyclable materials recovered from vessels will be placed directly in containers (e.g. drop boxes, dump trucks, vacuum tanker trucks). Wastes will not be stored on the ground or in stockpiles. Vessels deconstructed on the Ways will have containers staged alongside the Ways for material receipt. An excavator with shears may be used to deconstruct vessels. Materials from derelict vessels on deck barges will be transferred via crane to containers staged on the Irrigon. Containers will be covered after loading and during transport. Loaded containers will be staged near the site entrance if they cannot be taken offsite immediately. Truck logs, bills of lading, and scale ticket records will be maintained to track the materials shipped offsite.

3.2 Nuisance Control

Nuisances including noise, vectors, dust, litter, and odor will be controlled using BMPs described in Appendix A. Good housekeeping and preventative maintenance will help to prevent nuisance occurrence.

Noises generated by operations at the facility are consistent with normal industrial noise levels. The facility is located in an industrial area and buffered by vegetation on three sides. No residences are located within a mile from the facility and it is zoned General Industrial.

The facility will not accept wastes, such as putrescible waste, that would typically attract vectors or create odor problems. If vectors become a problem, a pest control company will be consulted to determine appropriate control measures.

Dust has typically not been a problem at the site due to the paved access ways and established gravel cover. Additionally, minimal vehicle traffic is expected at the site. Derelict vessels will be received via the Columbia River. Truck traffic will primarily consist of contractors picking up drop boxes and other waste containers, which will occur on an intermittent basis.

4.0 WASTE STREAMS

The following materials are typical in the dismantling and deconstruction of vessels:

- **Solid Waste (CDL):** Loose debris and material that can be disposed of at a subtitle D landfill.
- **Metals:** All ferrous and non-ferrous metals will be separated and recycled at local recycling facilities.
- **Liquid Waste:** Typical liquids encountered on board consist of hydrocarbons, potable water, and black water. All liquids will be analyzed for proper disposal and to avoid contaminating the larger volume of liquids collected.

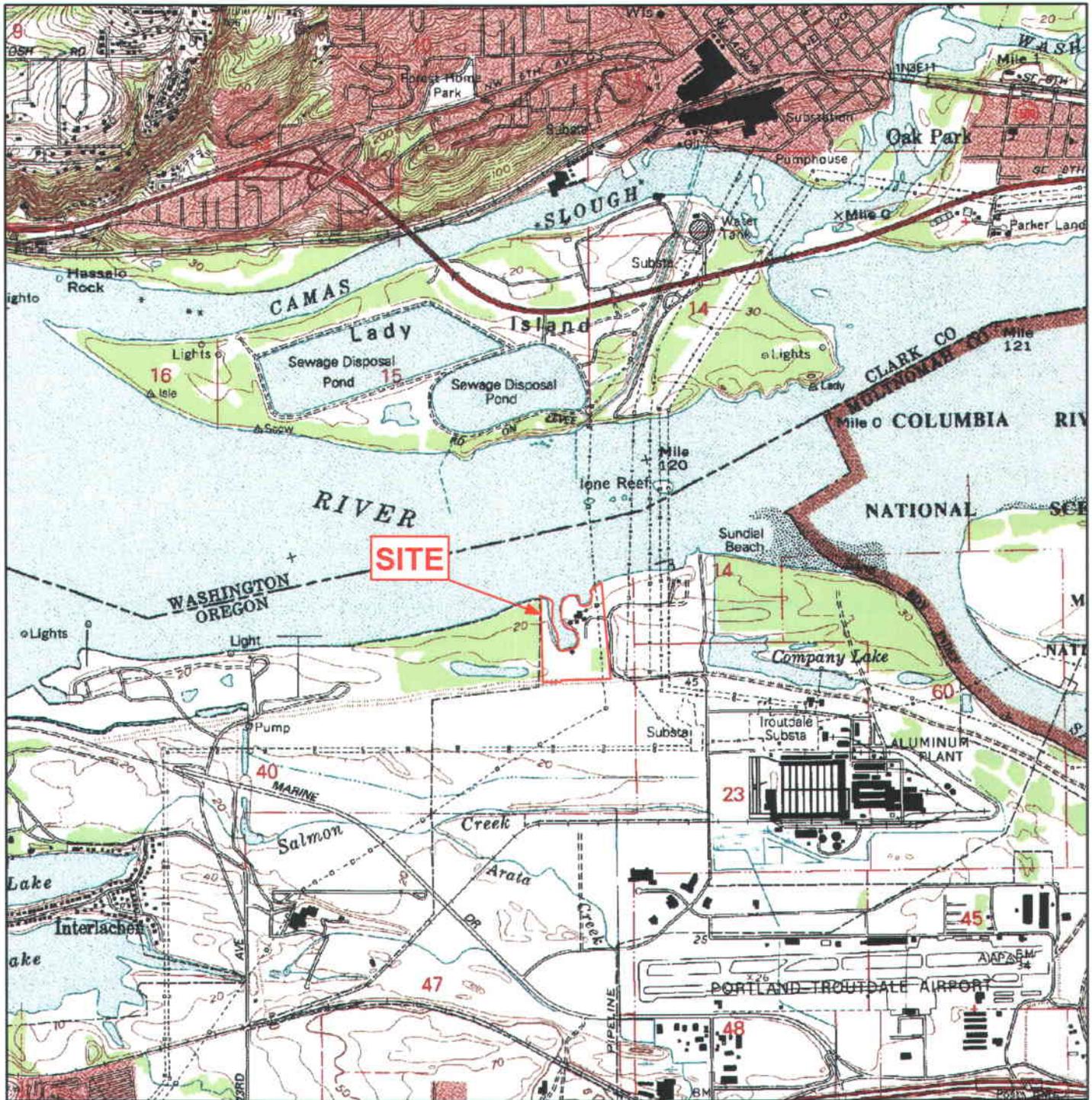
Some unacceptable materials may be encountered during dismantling and deconstruction of vessels. Unacceptable materials will be handled by trained personnel in accordance with IMO guidelines for shipbreaking and state and federal regulations. Any hazardous wastes will be properly containerized, labeled, stored indoors in the shop building (if possible) and disposed of under the facility's EPA ID number: OR0000141986. The following materials may be encountered:

- **Lead:** Lead is often found in paint and antifouling materials. Lead will be removed and disposed of at licensed subtitle D or C landfill depending on analytical results.
- **Asbestos:** Asbestos is often found in insulation, mastics, and caulking's. Suspected asbestos containing materials will be sampled prior to removal. A certified abatement contractor will conduct this work.
- **PCB's:** Polychlorinated biphenyls (PCBs) can be found in rubber products, paint, and oils. Suspected PCB materials will be sampled to ensure proper handling and disposal.

5.0 CLOSURE PROTOCOL

If it is determined that the facility will be closed, Tidewater will notify DEQ and Metro to ensure that all closure requirements are met. All wastes and equipment will be removed from the facility.

FIGURES

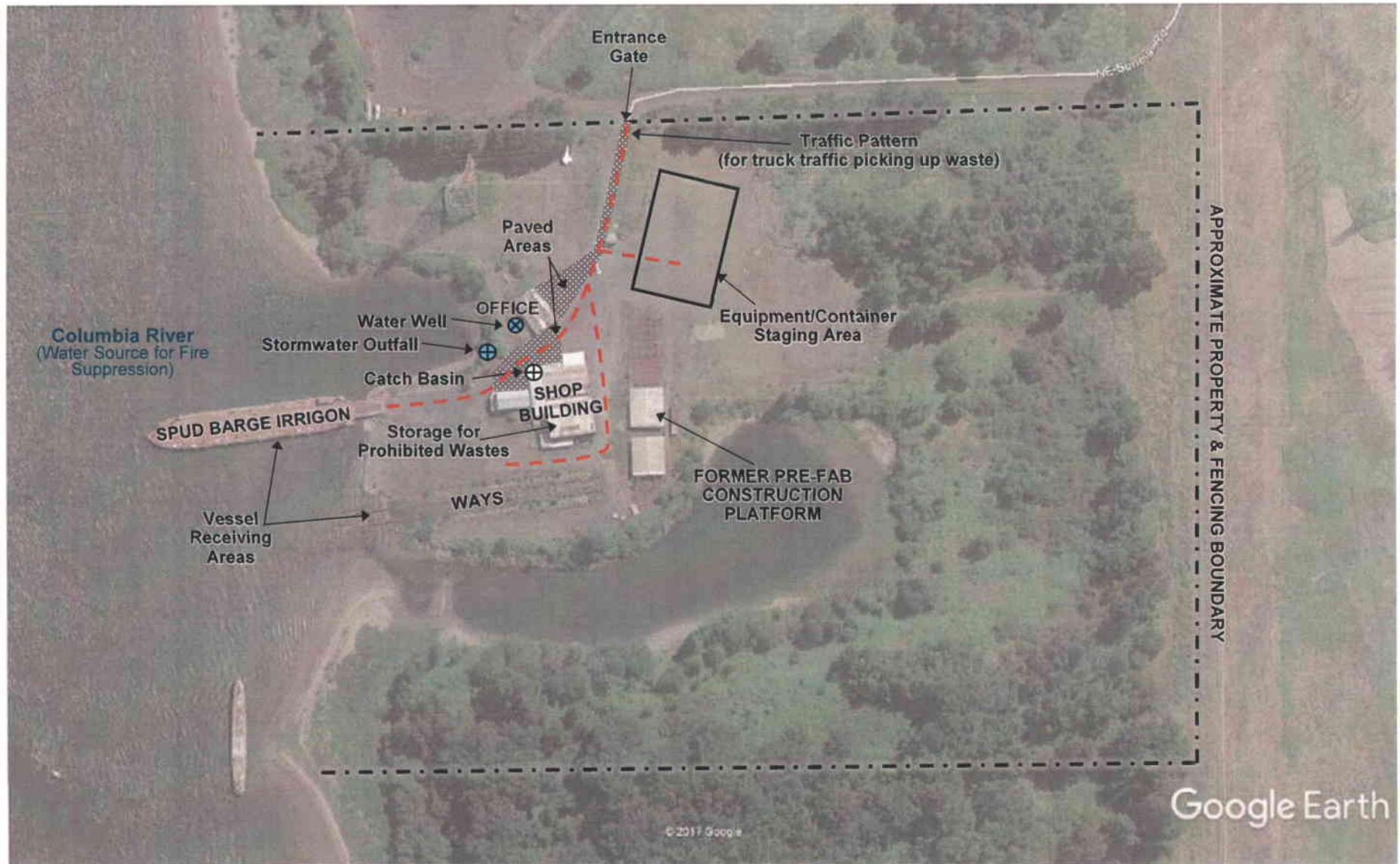


Source:
USGS quad map 45122e4 - Camas



<p>AMEC 7376 SW Durham Road Portland, OR, U.S.A. 97224</p>				<p>CLIENT: SUNDIAL MARINE CONSTRUCTION AND REPAIR</p>	
<p>TITLE: SITE LOCATION MAP</p>		<p>DWN BY: BRJ</p>	<p>DATUM: NAD83</p>	<p>DATE: MAY 2012</p>	
<p>PROJECT: SUNDIAL 5605 NE SUNDIAL ROAD TROUTDALE, OREGON 97060</p>		<p>CHK'D BY: -</p>	<p>REV. NO.: 1</p>	<p>PROJECT NO.: 1-61M-124671</p>	
		<p>PROJECTION: UTM ZONE 10N</p>	<p>SCALE: 1 inch = 2,000 feet</p>	<p>FIGURE No.: FIGURE 1</p>	

FIGURE 2. SITE PLAN
Sundial Marine Construction and Repair, Inc.
5605 NE Sundial Road in Troutdale, Oregon



APPENDIX A
BEST MANAGEMENT PRACTICES

BEST MANAGEMENT PRACTICES
Sundial Marine Construction and Repair, Inc.
Troutdale, Oregon

A.0 BEST MANAGEMENT PRACTICES

Sundial Marine Construction & Repair has developed both general and activity specific best management practices (BMPs) which defines the facilities, procedures, and responsibilities for upland and overwater best management practices at its facility located in Troutdale, Oregon (Site). Site activities are anticipated to potentially include all phases of marine construction and repair activities involving fitting, welding, surface preparation, and painting (i.e., similar to the activities conducted at the Site in the past). Any work occurring on a spud barge or working barge (e.g., Irrigon) temporarily connected to land is subject to the terms and conditions of the Oregon Department of Environmental Quality (DEQ) National Pollutant Discharge Elimination System (NPDES) Waste Discharge Permit, permit number 102890 (DEQ File No. 107766) issued in 2006.

Any over-water work occurring on a floating functional vessel which is not on a spud barge or dry dock is not covered by or subject to the NPDES permit. Rather, any discharges from such vessels are subject to the 2008 United States Environmental Protection Agency (EPA) General Vessel Permit (VGP). Section 5.4 of the VGP includes general conditions and BMPs applicable to barges.

The following general and activity-specific BMPs contained in this appendix are intended to guide work regulated under both the NPDES permit and VGP.

A.1 General Best Management Practices

Industrial activities will take place on the operational areas of the Site, which include the spud barge Irrigon, Site buildings, and surrounding gravel and paved areas. No industrial activities or material storage will take place in the non-operational areas of the Site, which consist of vegetated areas and the river bank. Non-operational areas may be demarcated using barriers and/or placards.

The following general BMPs will be used to prevent to maximum extent practicable stormwater runoff contamination. These will include both structural and source (non-structural) controls.

A.1.1 Spill Prevention and Response

It is essential to prevent potential pollutants from reaching the Site's stormwater catch basin and the Columbia River. All outdoor and indoor spills of significant materials warrant immediate response and cleanup. Spill prevention measures include:

- Adherence to all applicable Federal and State regulations.
- Employee training regarding preventative maintenance, spill response procedures, and proper usage of spill cleanup materials.
- Use of containment systems.
- Good housekeeping practices and preventative maintenance.

In the event of a spill at the Site, the follow spill response procedures will be conducted:

Safety of Personnel

- a. Warn all persons in the immediate area.
- b. Eliminate ignition sources.
- c. Notify designated "person-in-charge" by radio, phone, or any other means available.
- d. If applicable, notify vessel by radio or any other means available.
- e. Initiate evacuation of all non-essential personnel, vessels, or other equipment.
- f. Unless briefed otherwise, the emergency signal shall be the general alarm and the evacuation point shall be at the entrance gate of the facility.
- g. Don personal protective equipment (PPE) as required.

Establish Safety and Security Zone

- a. Secure Safety Zone to all unauthorized personnel.
- b. DETERMINE THE EXTENT OF THE SAFETY ZONE. Refer to the material safety data sheet (MSDS) for hazard information (toxicity, flammability)

Secure the Source

- a. Find the source of the spill and ensure that it is secured through whatever safe means is available.

Initial Assessment and Containment

- a. Assess: spill volume, spill movement, weather, and current conditions.
- b. Initiate action to contain or divert as necessary on dock, land, or water with boom and sorbent.
- c. Identify local environmentally sensitive areas and initiate protective measures.

Notification

- a. Initiate notification in accordance with company policy.
- b. Identify Incident Commander.
- c. Call out additional personnel, including spill contractor, as necessary.

Continue assessment and Containment

- a. Continue deployment of equivalent based on response strategies.
- b. Schedule reconnaissance over flight, if necessary.
- c. Assign a surface vessel to monitor movement of oil.

Set Up Incident Command Structure as Required

- a. Set up command post.
- b. Post and maintain charts and status boards.
- c. Maintain communication with Tidewater
- d. Monitor current and future manpower requirements.
- e. Place reserve personnel on standby as appropriate.
- f. Anticipate logistic requirements (subsistence catering, re-supply, water, toilet facilities, etc.)

Determine Recovery Equipment Requirements

- a. Monitor current and future equipment requirements.
- b. Place reserve equipment on standby as appropriate.

Set Up Communications Network

- a. Determine communication requirements.
- b. Assign a radio frequencies and call signs as necessary.

Recovery Operations

- a. Maximize skimmer utilization.
- b. Call in vacuum truck service as necessary.
- c. Apply sorbents as appropriate.
- d. Set up sorbent recovery and storage sites.
- e. Establish downstream recovery sites.

Coordinate Interim and Permanent Disposal

- a. Liquid wastes.
- b. Solid wastes.
- c. Coordinate approval with State OCS.

Decontamination

- a. Establish decontamination facilities *for personnel* at each cleanup site.
- b. Establish decontamination facilities *for equipment* at each cleanup site.

Documentation

- a. Establish master file for all field activity logs.
- b. Establish mater file of all personnel records (daily cost sheet).
- c. Establish mater file of all equipment records (daily cost sheet).
- d. Establish mater file of all contractors.
- e. Initiate and maintain incident objectives.
- f. Initiate and maintain site safety plan

A.1.2 Emergency Spill Response Contacts

The names and telephone numbers of persons and agencies whose services may be required in the event of a release of a significant material are provided in Table A.2.1. Contact information for agencies requiring reporting of spills of reportable quantities of oil or hazardous materials is provided in Table A.2.2.

Table A.2.1: Spill Contacts

Name	Phone Number
Tidewater Office	(360) 693-1491 (503) 281-0081
Tidewater Dispatch (24 hour)	(360) 759-0330
Fire Department	For emergency dial 911
Police Department	For emergency dial 911
Hospital Legacy Mount Hood Medical Center	For emergency dial 911 (503) 674-1122
DEQ Northwest Regional Office	(503) 229-5263
Oregon Emergency Response System	(800) 452-0311

Table A.2.2: Hazardous Material Spill Contacts

Name	Phone Number
National Response Center	(800)-424-8802 (202) 267-2675
Oregon Emergency Response System	(800) 452-0311
U.S. Coast Guard (if spill will reach water)	(503) 240-9311

Reporting of any non-compliance which may endanger health or the environment such a spill or release to the stormwater system should be orally reported to the DEQ's Northwest Regional Office at (503) 229-5263, or outside normal business hours to the Oregon Emergency Response System at (800) 452-0311, within 24 hours of discovering the event, per Schedule F, Section D5 of the permit (DEQ, 2006).

A.1.3 Employee and Contractor Education

The employee education program includes training on the components and goals of the Stormwater Pollution Control Plan (SWPCP), spill response procedures, best management practices including good housekeeping, and materials management practices.

- All employees, contractors, and subcontractors are required to participate in safety and environmental orientations prior to working at the Site.
- Personnel will be given a Site tour of all working areas including areas with stormwater control measures.
- All personnel working in areas where stormwater is exposed to industrial processes or who are responsible for implementing the SWPCP must receive SWPCP education and training within 30 days of being hired, and annually thereafter.
- Personnel who conduct the activities that present the largest threat to the local water quality (e.g., painters, barge tank cleaners, bilge cleaners) will be required to review the SWPCP and BMPs prior to staging and implementing work.
- Periodic training sessions will be held, as necessary, to brief all operations personnel on: any revisions of this SWPCP; any known spill occurrences or malfunctioning equipment; any new spill prevention measures; and other pertinent information.
- Records of employee training are maintained at the facility.

A.1.4 Containment

Containment structures or devices are source control measures designed to prevent leaks, spills, and contaminated stormwater from entering surface water. These could include berms, dikes, concrete retaining walls, curtains and floats, lighters, pontoons, or working barges.

- All chemicals or hazardous materials shall be stored, transferred, or utilized inside a building or appropriate secondary container structure that is able to contain the volume of the largest container stored.
- For any over-water work with potential to impact surface water, temporary enclosures, booms, floats, filters, or other means and devices should be used to catch and prevent waste from entering the river. Over-water work that has the potential for pollution may include: welding, grinding, parts cleaning, scraping paint, paint chipping, grit or sand blasting, painting, transporting of equipment/materials, and crane repairs.
- Plastic barriers hung from the vessels or temporary structures around the vessel will be secured and arranged to prevent fugitive emissions of abrasive grit, dust, and paint. The bottom edge of tarpaulins and plastic sheeting will be weighted or fastened to remain in place prior to conducting work.
- All containment structures/devices must maintain sufficient freeboard at all times to capture 100% of the solid and/or liquid material it is intended to contain. If and when floating booms are placed around vessels undergoing repair, they will be routed around all containment structures/devices.
- All containment structures and devices shall be cleaned frequently to ensure that materials on their surface do not get blown or washed into the surrounding waters.

Future Site operations will likely include the use of cranes, forklifts, and trucks.

- All equipment will be inspected and maintained in such a manner that prevents leakage of oil on to the ground surface (i.e., metal working platforms over water and paved/gravel upland areas) or water.
- Transfer of oil and grease must be performed in a location that reduces the probably of spills reaching the ground and surface water. All maintenance of equipment will be conducted under cover if possible.
- Drip pans and drum storage platforms should be used to hold containers of petroleum products. Drop cloths should be placed underneath the drip pans and drum storage platforms to catch and soak up slop spillage. Once the task is completed, the pans and platforms should be immediately cleaned and stored in a designated and easily accessible location. Residues and cleaning waters from drip pans must be properly placed in designated containment drums/tanks for storage prior to off-site recycling/disposal. A waste company will be retained to pick up used petroleum products for recycling/disposal off-site.
- It is the responsibility of the maintenance staff and supervisors to ensure that all personnel and contractors use drip pans and drum storage platforms.
- If the potential exists for oil and grease to contact stormwater, booms and/or skimmers will be used to minimize contamination of stormwater discharges. Oil containment booms may be positioned around vessels under repair while they are berthed at the facility.
- Oil containment booms may be positioned around outfalls is a spill occurs near a storm drain.

- Reserve booming should be on-site ready to ready deploy in case a spill requires additional containment.
- Placement of booms should be to maximize containment of spills. Once booms and skimmers are deployed, periodic adjustment may be necessary to ensure containment.

A.1.5 Waste Chemicals and Material Disposal

The generation of a hazardous waste subjects the generator to hazardous waste regulations, including penalties for mismanagement. Non-hazardous waste is not subject to the same regulations as hazardous waste; however air and water quality and solid waste regulations prohibit indiscriminate and careless management of non-hazardous waste, particularly near water.

- The use of hazardous materials and generation of hazardous wastes will be minimized to the maximum extent possible.
- Waste materials will be disposed of in accordance with local, state, and federal regulations. Environmental staff will coordinate characterization and offsite disposal of all hazardous waste.
- Solid waste disposal and recycling haulers will pick up general trash and recyclables from covered dumpsters. Environmental staff will coordinate offsite disposal/recycling of non-hazardous solid waste. Do not over fill any waste containers, and do not jettison containers or waste on vessels overboard.
- Solid wastes temporarily stored on-Site will be stored in covered containers, under roofed areas, or covered with tarps to prevent dispersal and exposure to stormwater. Liquid wastes will be stored in appropriate secondary containment structures.

A.1.6 Erosions and Sediment Control

Vegetated buffer strips have been retained to the maximum extent practicable between the Site's operational areas and the Columbia River. This vegetation helps to reduce stormwater transport velocities, which in turn will help to prevent erosion and sediment mobilization. Soils are stabilized via vegetative cover or gravel. The remaining Site area is occupied by buildings and asphalt pavement. The greatest potential for erosion around working vessels is within the Ways.

- Gravel areas, paved areas, catch basins, and the Site's shoreline will be inspected monthly.
- Gravel areas will be maintained to ensure uniform coverage of the gravel. Paved areas will be swept as needed to reduced sediment entering stormwater runoff.
- Catch basin at the Site will be cleaned as needed to remove sediments. If needed, bio-filter bags will be placed around the catch basins and/or a catch basin insert will be installed to reduce sediment entering the stormwater system.
- Temporary control features like sediment fence, straw wattles, filter berms, and/or bio-filter bags may be required and used as necessary along the shoreline if industrial activities are occurring where stormwater runoff flows directly to the Columbia River.

A.1.7 Stormwater Diversion and Covering Activities

Diversion structures will be used prevent stormwater from entering areas where significant materials are used or stored. Diversion structures include permanent and temporary buildings/sheds, covered containment berms, and Site grading.

- Industrial activities will be conducted under cover to the maximum extent possible, such as inside buildings and covered barge areas or through the use of temporary tarps or shrouding.

A.1.8 Debris Control and Housekeeping

Good housekeeping practices at the Site will maintain a clean and orderly Site and reduce the potential of debris entering stormwater or stormwater contamination. These practices include:

- All material and cargo must be stored in order to minimize the likelihood that they will be washed away, blown overboard, or dissolved after contact with precipitation or surface water spray.
- Approved covered, secure containers will be used to collect and separate waste categories and recycling. Containers will be properly labeled, located in the appropriate yard locations, and routinely inspected and emptied when full.
- If water draining from storage areas comes in contact with oily materials, use dry cleanup methods or absorbents to clean up the wastewater and dispose in accordance with Section A.1.5.
- Combustible materials (such as paper products, rags, tarps) shall be kept away from hot work operations and activities.
- Aisles and walkways must be unobstructed at all times. There must be clear access to fire extinguishers, emergency pull switches, exits, emergency lifesaving equipment, and electrical panels.
- Routine removal of general yard refuse from the work areas, storage areas, parking areas, and driveways. Littering will not be practiced on site.
- The Site's shoreline (particularly within the Ways) shall be inspected at the conclusion of each work day when work is undertaken at the Ways and any debris removed. If needed, bio-filter bags will be placed around catch basins and/or a catch basin insert will be installed to reduce debris entering the stormwater system.
- Bio-filter bags and/or silt fences may be temporarily placed between operational areas and the shoreline to prevent debris in contact with stormwater from entering the Columbia River.
- Prompt cleanup of any spills and leaks. Perform routine maintenance of Site vehicle and equipment to prevent spills and leaks.
- Sweeping of paved areas, as needed, based upon the results of monthly inspections.

- Removal of sediment and debris from Site catch basins, as needed, based upon the results of monthly inspections.
- Maintenance of hose connections and valves to avoid water leaking onto the Site and entering the stormwater system and Columbia River.
- Avoid overweighing work surfaces, including temporary platforms.
- Where possible, all extension cords, hoses, air lines, and welding leads should be hung overhead. Do not lay lines in aisles or stairwells.
- All materials shall be stored in a neat and orderly fashion.

A.1.9 Preventative Maintenance

Preventive maintenance involves the regular inspection and cleaning of areas where significant materials are stored and the regular inspection of stormwater drainage structures. All areas within the facility where hazardous substances are stored, used, and/or transported need to be evaluated with respect to discharge risk potential. It is each supervisor's responsibility to understand the risks associated with their specific area. Each supervisor should identify high and low risk pollutant pathways. Monthly Site inspections will be conducted to maintain/repair Site facilities. Preventive maintenance measures performed include:

- Inspections of all storage containers and secondary containment for significant materials. Repairs and maintenance will be performed as needed.
- Periodic inspections to clean-up the Site and remove materials or correct practices that may adversely impact stormwater.
- Monthly inspections of stormwater control measures, drainage structures, catch basins, and outfalls.
- Routine refuse removal from Site to prevent floating debris from entering stormwater runoff.
- Routine inspection and maintenance of Site machinery and equipment to ensure proper operation and prevent leaks and spills.
- Removal of sediment and debris from catch basins, as needed, based upon the results of monthly inspections.
- Frequent sweeping of floating barges and upland paved areas is needed to keep trash, discarded construction materials, sediment, marine growth, oil, solvents, plastic, and other solids from entering surface water.
- Maintenance of vehicles and equipment to ensure good working condition and minimize the potential for oil spills and leaks.
- Proper storage and recycling and/or disposal of waste products generated by repairs and maintenance.

- Signs shall be painted at key locations to constantly remind employees about the BMPs in areas which pose the greatest risk of adversely impacting surface water quality.

A.2 Activity Specific Best Management Practices

Much of the planned work at the Site requires the use of outside subcontractors. All contractors and subcontractors are required to participate in safety and environmental orientations prior to working at the Site. Key subcontractors which present the largest threat to the local water quality (e.g., painters, barge tank cleaners, bilge cleaners) will be required to review the SWPCP and BMPs prior to staging and implementing work. Any alterations to the BMPs or additional ones proposed by a contractor will be reviewed by Tidewater's environmental staff for conformance with the SWPCP. As appropriate, site-specific or contractor-specific BMPs may be maintained in the project files and reviewed with all affected contractors and employees. All third-party contractors conducting the work at the Site will be closely monitored for conformance with the SWPCP.

Future maintenance and construction activities at the Site may include surface preparation (either through grit or sand blasting or washing), painting, and welding. The following BMPs have been determined to be the most applicable for anticipated Site industrial activities.

A.2.1 Mechanical Procedures

Forms of surface preparation (e.g., mechanical hand preparation such as scraping, wire brushing, conventional grinding, and grit or sand blasting) will be conducted with containment and collection protocols designed to prevent particles from entering surface water. If sand blasting operations are conducted, shroud or tarp material will be erected around the working area to prevent the loss of abrasive blast grit. If abrasive blasting activities are utilized in the future, procedures outlining blasting management shall be reviewed by Tidewater personnel and provided to personnel conducting the work. The following BMPs must be considered when preparing surfaces for painting or any mechanical activity that has the potential to produce fugitive emissions of abrasive grit, dust, and paint.

- A temporary enclosure will be erected around the working area to prevent blast grit from entering water. The enclosure or shrouding must be properly designed, constructed, positioned, supported, and inspected by Tidewater personnel prior to sand blasting to contain and enclose all operations. See containment procedures described in Section A.1.4.
- Employees will inspect surface preparation operations at least once per day to ensure compliance with this SWPCP.
- A daily log will be kept when blasting operations are occurring to ensure sand blast media and paint chips do not enter discharge. The log will include:
 1. Name of the inspector;

2. Date and time of inspection;
 3. Best Management Practices evaluated;
 4. Description of weather conditions, i.e., light rain, medium rain, heavy rain, intermittent showers, steady showers, runoff discharge, etc.;
 5. Any corrective action required; and
 6. Observable blasting debris or paint or other material in the discharge.
- Spent blast material should be stored in proper containment vessels or structures while on Site. Sand blast media will be contained in covered sand pots and reused. Temporary storage hoppers should not have leaks from which blast material can escape during transportation and storage. Used grit blast material must be segregated from general refuse.
 - Prior to disposal, the generator must determine if used grit blast material is hazardous or not, either by testing or by using "knowledge of process." The generation of a hazardous waste subjects the generator to hazardous waste regulations. Non-hazardous waste is not subject to the same regulations as hazardous waste; however air, water quality, and solid waste regulations prohibit indiscriminate and careless management of non-hazardous waste, particularly near water. Segregate known hazardous grit materials from others to prevent mingling. Federal, state, and local rules and regulations must be followed when recycling or disposing of used grit blast material. Recycling will be utilized to the maximum extent possible.

A.2.2 Wash Water Procedures

Dry methods, such as sweeping and vacuuming, combined with filter media and vacuum methods will be used to the maximum extent possible to prevent generation of wash water. If washing activities are utilized in the future, procedures outlining wash water management shall be reviewed by Tidewater personnel and provided to personnel conducting the work. In accordance with the NPDES permit, all wash water that occurs upland and/or offshore on the spud barge Irrigon, covered Barge 53 and drydock must be managed to prevent direct runoff into the Columbia River. See containment procedures described in Section A.1.4.

- The edges of any surface being washed will be protected with sandbags and appropriate shrouding to prevent the loss of wash water.
- Water will be collected and pumped into a portable tank. All wash water will be characterized and properly disposed of off-site.
- Power washing should be conducted using a low pressure setting.

It is anticipated that barges moored to the Irrigon will occasionally require deck washing. If required, this shall be done in accordance with the following VGP conditions:

- Vessel owner/operators must keep their decks tidy and minimize the introduction of on-deck debris, garbage, residue and spill into deck wash down and runoff discharges;
- Minimize deck wash downs while in port (anchored, secured, or otherwise moored);
- If deck wash downs or above water line hull cleaning will result in a discharge, they must be conducted with non-toxic, phosphate-free, biodegradable, minimally caustic or non-caustic cleaners and detergents; and
- If deck wash downs will result in a discharge, they must be conducted using the following procedures:
 - Sweep rust and other materials into a bag or waste container for disposal ashore before it rains or washing topside surfaces
 - Clear deck of debris, garbage, cargo residue, and spills before it rains or deck wash downs
 - Protect the deck edge of each barge with sandbags and 3 micron geo-tarp to catch any particulates
 - Only water that has gone through the 3 micron filter will be allowed to run-off
 - Wash with low pressure and use deck brushes to scrub and rinse the deck surface

A.2.3 Painting Procedure

Painting operations at the Site may include roller applications on tops of barges moored at the Spud Barge Pier and spray applications inside covered work areas.

- Paint and paint products received at the facility will immediately be placed in designated indoor storage areas. Paint and solvent mixing will be performed in secondary containment. Paint/solvent mixtures will be transferred to the barges in smaller quantities to eliminate the potential for large spills. See containment procedures described in Section A.1.4.
- Painting will be conducted in a temporary or permanent enclosure or with tarpaulins and plastic sheeting that is designed, installed, and decommissioned in a manner that will prevent the paint from contacting soil or water at all times. See containment procedures described in Section A.1.4.
- Spray painting will only be conducted inside permanent or temporary containment structures designed to control airborne transport of paint and eliminate the transport of paint spray over water.
- For painting operations on the hull, floats and booms are to be used in conjunction with additional containment facilities when the likelihood for paint material to enter surface water is high. Paint chips shall not be visible in the water after painting operations.
- Painting will not occur during weather conditions including rain and high wind.
- Spent painting material should be stored in secondary containment. Prior to disposal, the generator must determine if used paint waste is hazardous by testing for leachability

of relevant toxicity characteristics defined in 40 Code of Federal Regulations (CFR) 261.24. The paint waste may also be hazardous if it is classified as ignitable, corrosive, or reactive (40 CFR 261.21-261.23). Paint waste shall be segregated from other materials and shall not be diluted. Federal, state, and local rules and regulations will be followed when recycling or disposing of used paint material, and the ultimate disposition of all materials will be approved by Tidewater prior to transport off site. Recycling shall be utilized to the maximum extent possible. See waste chemicals and material disposal procedures described in Section A.1.5

A.2.4 Dry Dock Submergence Procedure (If applicable)

If a dry dock is used at the Site in the future, additional training on proper cleaning procedure will be provided to all Site personnel. The floating dry dock has ballast tank in the wing walls and/or flooring which are filled with water to sink the dock. With the dock submerged, a vessel can be brought in the positioned on support blocks. The ballast tanks are then emptied and the dock rises, bringing the vessel out of the water. With the dock floating, traffic and personnel are able to enter and exit the dock floor and repair work can proceed. In order to prevent pollutants associated with dry dock vessel maintenance from entering water, the following dry dock BMPs shall be followed.

- Mechanical sweeping, portable vacuums, shovels, or brooms will be used to remove debris and materials on the dry dock on a regular and frequent basis; particularly prior to submergence.
- Floating dry dock should be cleaned frequently to remove all loose trash, paint cans, discarded construction materials, sediment, marine growth, oil, solvents, plastic, and other potential pollutants.
- The dry dock will be inspected after cleaning and prior to submergence to ensure that BMPs related to the condition of the dry dock before flooding have been implemented – including that the dry dock is in a “broom clean” state and that all materials that might float away have been removed.
- Washing of the dock floor with water is not an adequate cleanup technique and should not be performed. Prior to lowering the dry dock, straw bales, filters, and absorbent materials must be removed from the dock floor.
- Photographs or video recording will be taken during the inspection prior to submergence and a written record of the inspection will be maintained on-site. The photographs or videos will be accompanied by the name of photographer and the time the photograph or video was made. Inspection reports and photographs/videos must be retained for a period of three years.

A.2.5 Stormwater/Evaporator Valving and Operating Procedure (If applicable)

If a dry dock is used in the future, a log will be kept to detail the timing and procedure for changing the valve positions for clean and stormwater discharge from the dry dock holding tank. Specifically, the following BMPs must be followed if a dry dock is used at the Site in the future.

- If industrial activities occur on the dry dock that may generate debris and/or washwater, the valve will be closed. Washwater will be pumped to a holding tank, characterized, and properly disposed of offsite. The wastewater is not discharged to the river.
- The dry dock valve will only be open when there is no activity on the dock, as the open valve will allow stormwater to discharge to the Columbia River.
- Whenever a vessel is pressured-washed in the dry dock, the dry dock coordinator will note on the dry dock inspection log the beginning and ending times for this work. The coordinator will certify that he or she personally observed that the collection system valve was in the "collection" position (thereby preventing discharge to the river) before the work began.
- When pressure washing is completed, a volume of clean water equal to the total volume of the piping within the drydock wash water collection system will be flushed through the system and routed to the storage tanks (for eventual evaporation or off-site disposal) before the collection system valve is returned to the "discharge" position. The inspection log will include a notation that the flushing was performed and the time that the valve was returned to the "discharge" position.