



**BALLARD**  
**MARINE CONSTRUCTION**

Project Report Prepared For:

## **Graymont Tacoma Effluent Outfall**

**Graymont**

**Jon Anderson**

**Report Date: June 19, 2025**

Inspection Date: June 18, 2025

Prepared By:

Ballard Marine Construction, LLC.

Matt Shumaker, Dive Supervisor

Ballard Project Number 125088

January 19, 2025

Jon Anderson, Senior  
HSE Specialist  
Graymont  
585 W Southridge Way  
Sandy, UT 84070  
[jcanderson@graymont.com](mailto:jcanderson@graymont.com)

RE: Graymont Treated Effluent Outfall Inspection

Mr. Anderson,

Attached is our report summarizing the findings of the inspection Ballard Marine Construction divers performed on the Graymont Treated Effluent Outfall June 18, 2025. Underwater video was recorded during the inspection and an electronic copy of the video will be included with this report.

Should you have any questions and/or comments please feel free to contact myself or Mike Szymczak at the phone numbers and/or emails listed below. Thank you for allowing us to provide these services for you and we look forward to working with you again in the near future.

Sincerely,

***Matt Shumaker***

Dive Supervisor  
Ballard Marine Construction  
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## Introduction

Ballard Marine Construction performed an underwater video inspection of the Graymont Tacoma Facility Outfall. All dive operations were completed in general accordance with the U.S. Coast Guard (USCG)-accepted Association of Diving Contractors International, Inc. (ADCI) *Consensus Standards for Commercial Diving and Underwater Operations* (6<sup>th</sup> Ed.), the U.S. Occupational Safety and Health Administration (OSHA) 29 CFR Part 1910, *Subpart T – Commercial Diving Operations* (Dir. CPL 02-00-151; 2011), and the *U.S. Navy Dive Manual*, Rev. 7.

## Project Location

Graymont facility outfall is located South of the plant, approximately at 47°16'13.28"N and 122°23'54.87"W. Outfall termination marked by 4 steel piles. (*see Figure 1*)

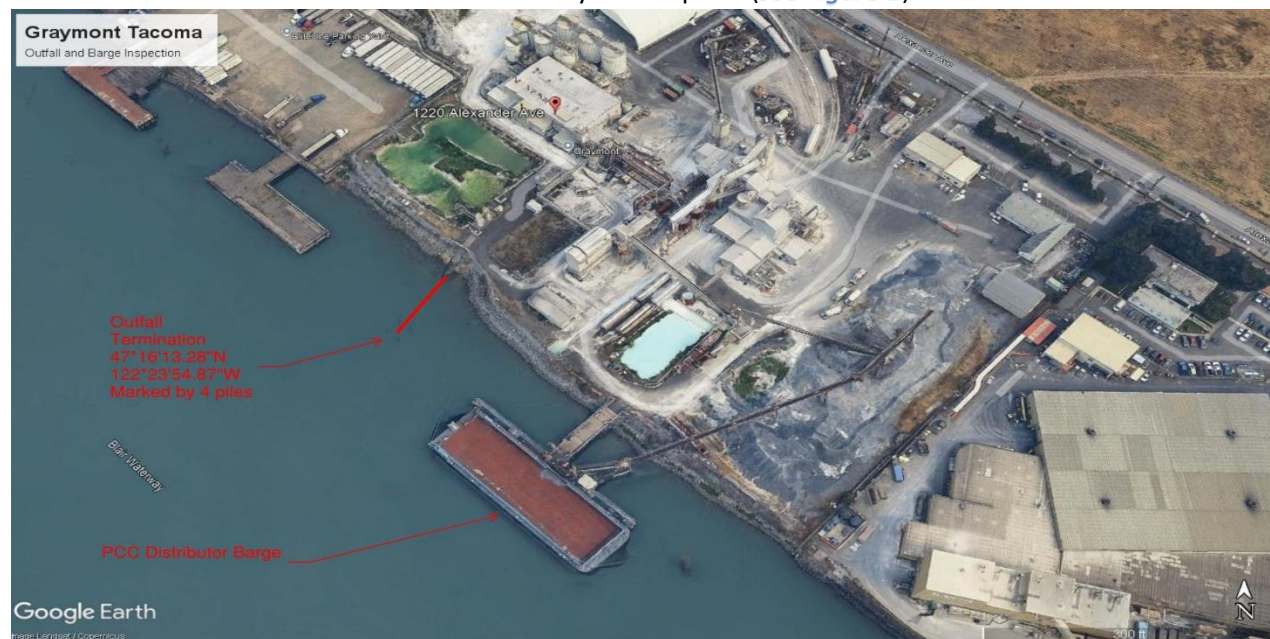


Figure 1: Project Location

## Scope of Work

Ballard Marine Construction was contracted by the Graymont to provide a crew and marine equipment to perform a dive inspection of Graymont facility outfall, the Treated Effluent Outfall is located South of Graymont facility Tacoma, Wa. The purpose of the underwater inspection was to locate and identify all damage, corrosion and functionality of outfall and condition of barge below waterline.

## Inspection Methods

The underwater dive inspection was completed utilizing surface supplied air from a support vessel positioned along the outfall starting from the offshore side working inland. During the inspection, divers measured and recorded any damage/corrosion of the outfall (*see figure 1.*).

## Graymont Effluent Treatment Outfall

Outfall found overall to be in good condition. Entirety of the trunkline is buried and protected with Submar matting. Only risers and duckbills exposed. All SST flanges and SST hardware appear to be in good condition with no corrosion found. All hardware present and tight, verified by diver. Duckbills appear to be in good condition with no delamination or damage present. With no flow in the outfall, duckbills were found closed and operating properly. Diver manually opened and closed all 3 duckbills to check functionality.

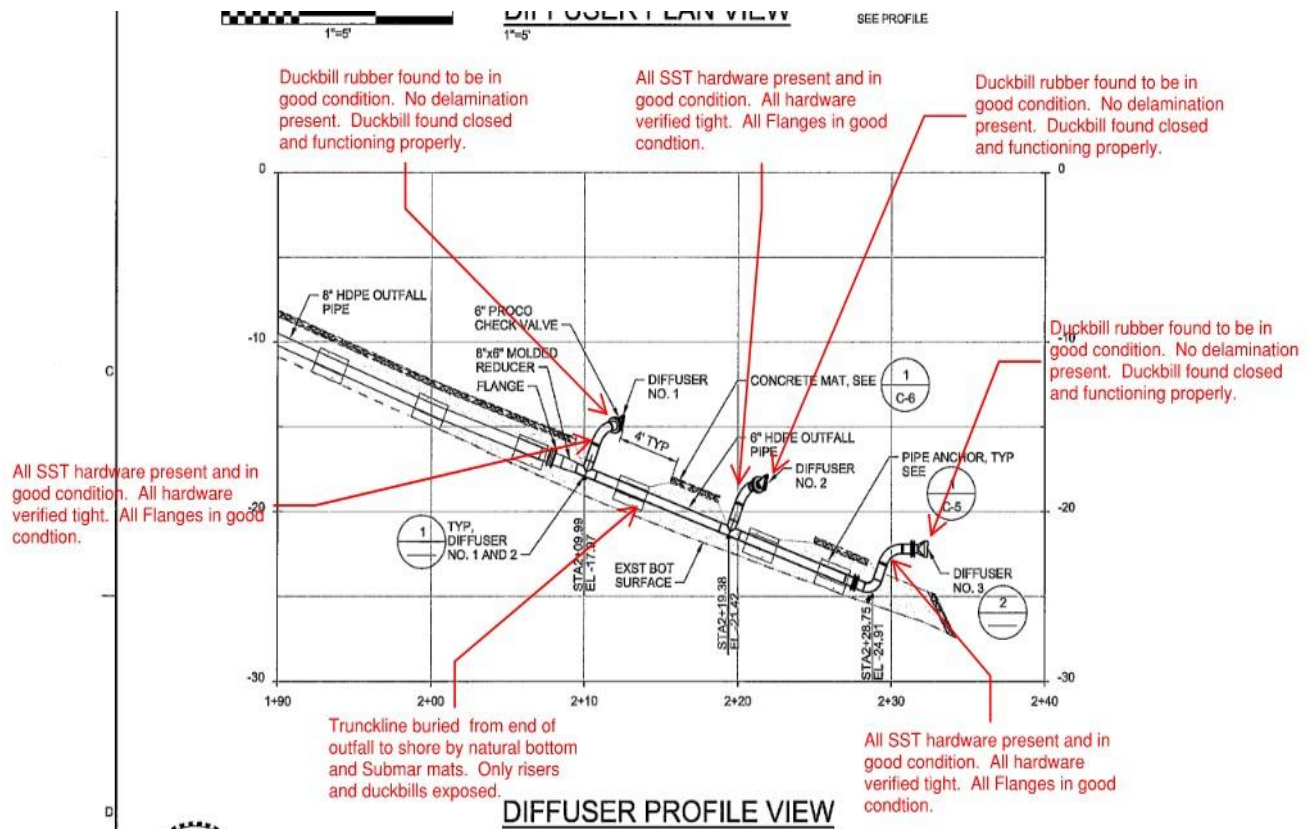


Figure 1: Graymont Treated Effluent Outfall

## **Report Summary**

Ballard Marine divers conducted video inspection of Graymont's effluent treatment outfall and PPC Distributor barge. No damage was found by Ballard divers the Graymont Treated Effluent Outfall appear to be in good condition.

For review of the entire video footage, please refer to the link provided through One Dive. Ballard thanks you for your business and please do not hesitate to contact me should you have any questions or comments.

Sincerely,

***Matt Shumaker***

Dive Supervisor

Ballard Marine Construction

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***Reviewed By:***

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## Project Photographs



Wed Jun 18 2025 08:48:14



Seek

0:06:07

0:03:11

Photo #1: SST Flange Hardware

Wed Jun 18 2025 08:44:56

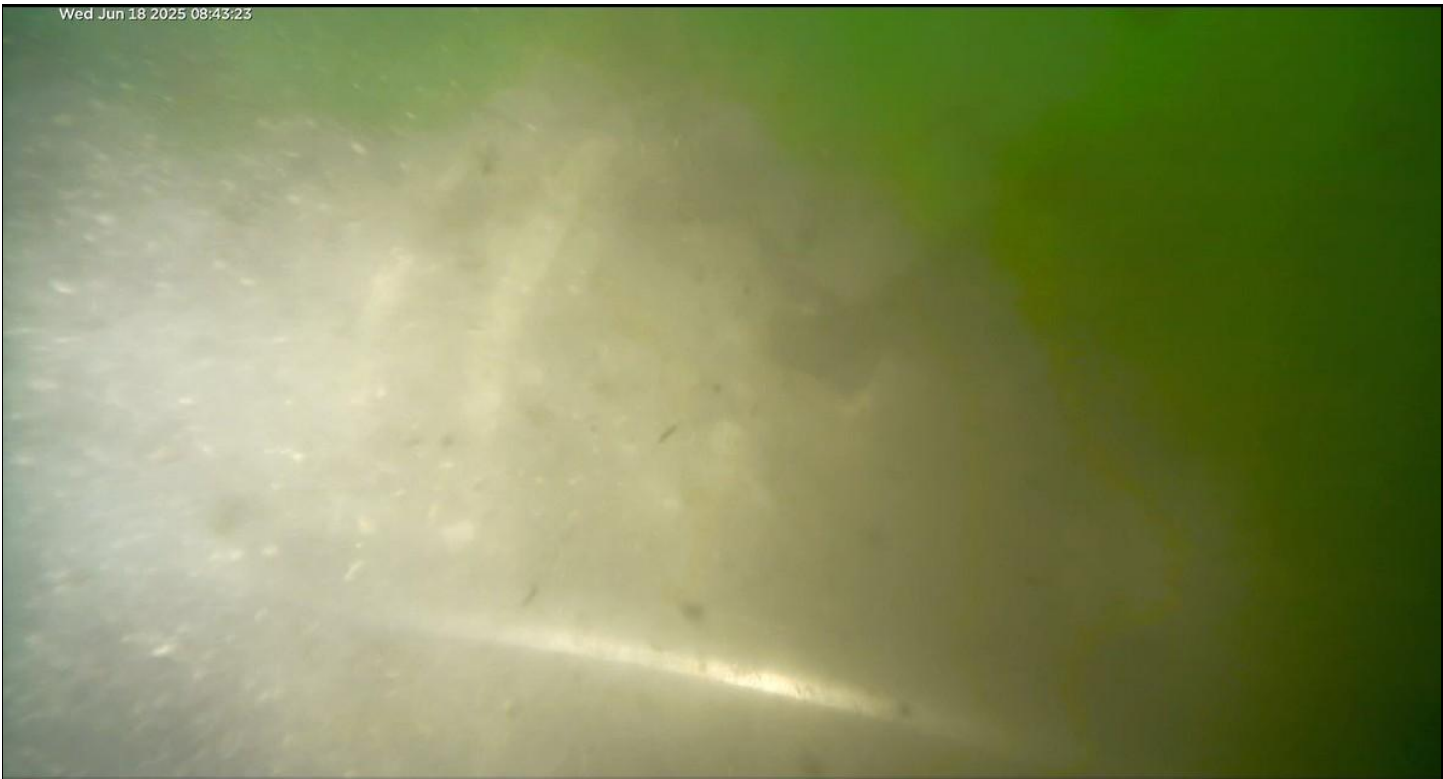


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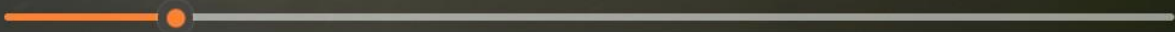
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Photo #2: Riser and Duckbill

Wed Jun 18 2025 08:43:23



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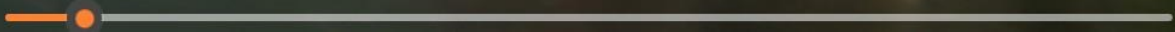
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Photo #3: Diver Measurements Offshore Duckbill

Wed Jun 18 2025 08:42:38



0:00:31



0:08:47

Photo #4: Offshore Duckbill Flange



Wed Jun 18 2025 08:44:34



Photo #5: Flange Duckbill to Riser

Wed Jun 18 2025 08:51:07



0:08:59

0:00:19

Photo #6: Submar Matting

wed Jun 16 2021 08:44:44



Photo #7: Outfall Riser