



April 24, 2025

Mr. Andrew Ulrich  
PacifiCorp  
Chehalis Power Plant  
1813 Bishop Road  
Chehalis, Washington 98532-8732

**RE: Groundwater Monitoring Culvert Decommissioning Report, Chehalis Power Plant Project, 1813 Bishop Road, Chehalis, Washington, Facility Site ID No. 3336951, Cleanup Site ID No. 11776, VCP No. SW1246**

Dear Mr. Ulrich:

A&M Engineering and Environmental Services, Inc. (A&M) of the Hill West Environmental, LLC (Hill West) team, has prepared this letter report to summarize the decommissioning of the groundwater monitoring culvert at the Chehalis Power Plant located at 1813 Bishop Road in Chehalis, Washington.

The State of Washington Department of Ecology (Ecology) requested in a June 2017 opinion letter that a groundwater sample be collected from the vertical groundwater monitoring culvert installed south of generator step-up (GSU) transformer #3 to evaluate the current concentration of mineral oil in groundwater, and proposed actions to mitigate the culvert as a preferential pathway for contaminant migration. The *Chehalis Power Plant Transformer Spills Additional Site Characterization Work Plan (Revised)*, dated May 22, 2024, proposed decommissioning the culvert following sampling during the June 2024 system deactivation. The work was not completed in June 2024 and delayed until the next system deactivation.

This report presents the decommissioning of the groundwater monitoring culvert requested by Ecology.

## **SITE DESCRIPTION**

The Site is located at 1813 Bishop Road in Chehalis, Washington in the southeast quarter of the southwest quarter of Section 10, Township 13 North, Range 2 West of the Willamette Meridian (Figure 1, Appendix A) at an elevation of approximately 240 feet above mean sea level. The Site is approximately 20-acres in area and is currently a power plant facility including two natural gas combustion turbines, one steam turbine, electrical transformers, heat recovery steam generators, air emissions control equipment, exhaust gas stacks, air-cooled steam condenser, water treatment equipment, and operations and maintenance building (Figure 2, Appendix A).

## FIELD ACTIVITIES

On March 30, 2025, Hill West's subcontractor Steadfast Services NW, LLC of Vancouver, Washington, a licensed State of Washington well installer, decommissioned the 3.5-foot diameter by 7.5-foot deep groundwater monitoring culvert in accordance with Washington Administrative Code (WAC) 173-160-460. The well was decommissioned by dislocating the well casing, then filling the saturated position with hydrated bentonite and Portland cement and ready-mix concrete. The casing was then removed and the remaining borehole filled and compacted to match the surrounding grade. Photographs taken during decommissioning activities are provided as Appendix B with a copy of the Resource Protection Well Report for the decommissioned monitoring well provided as Appendix C.

Thank you for the opportunity to provide environmental consulting services to PacifiCorp. If you have any questions regarding this report, please contact Dan Landry at 541-743-2600.

Sincerely,



Daniel Landry  
Senior Project Manager  
**A&M Engineering and  
Environmental Services, Inc.**

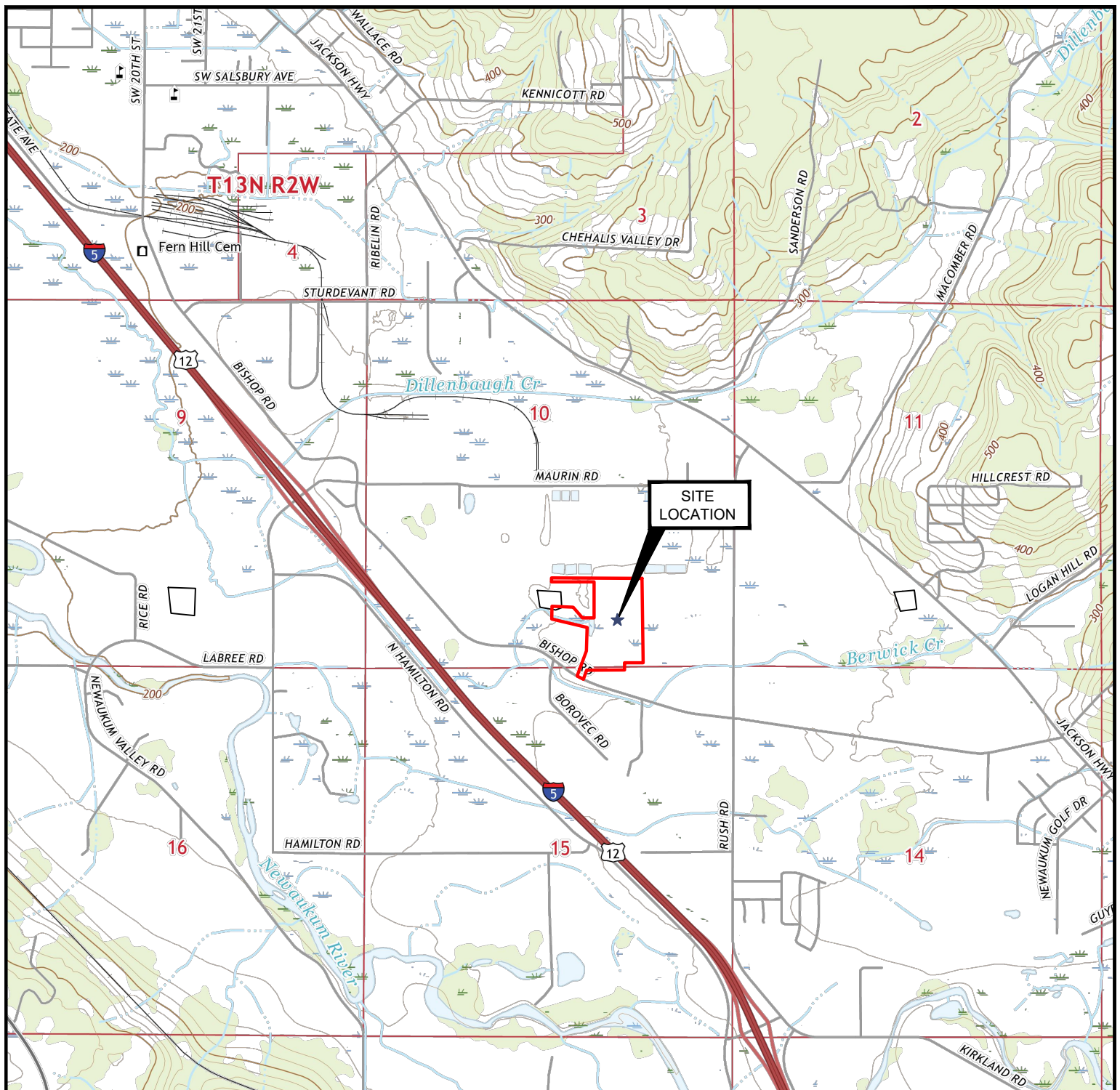
Attachments: Appendices A, B, and C

cc: Mr. Joe Kasperski, Washington Department of Environmental Quality

## APPENDIX A

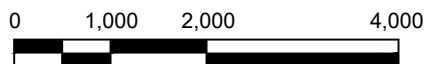
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### Figures



SOURCE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC QUADRANGLE, CENTRALIA, WASHINGTON AND NAPAVALINE, WASHINGTON (2020)

Scale: 1"=2,000



**A & M Engineering and  
Environmental Services, Inc.**

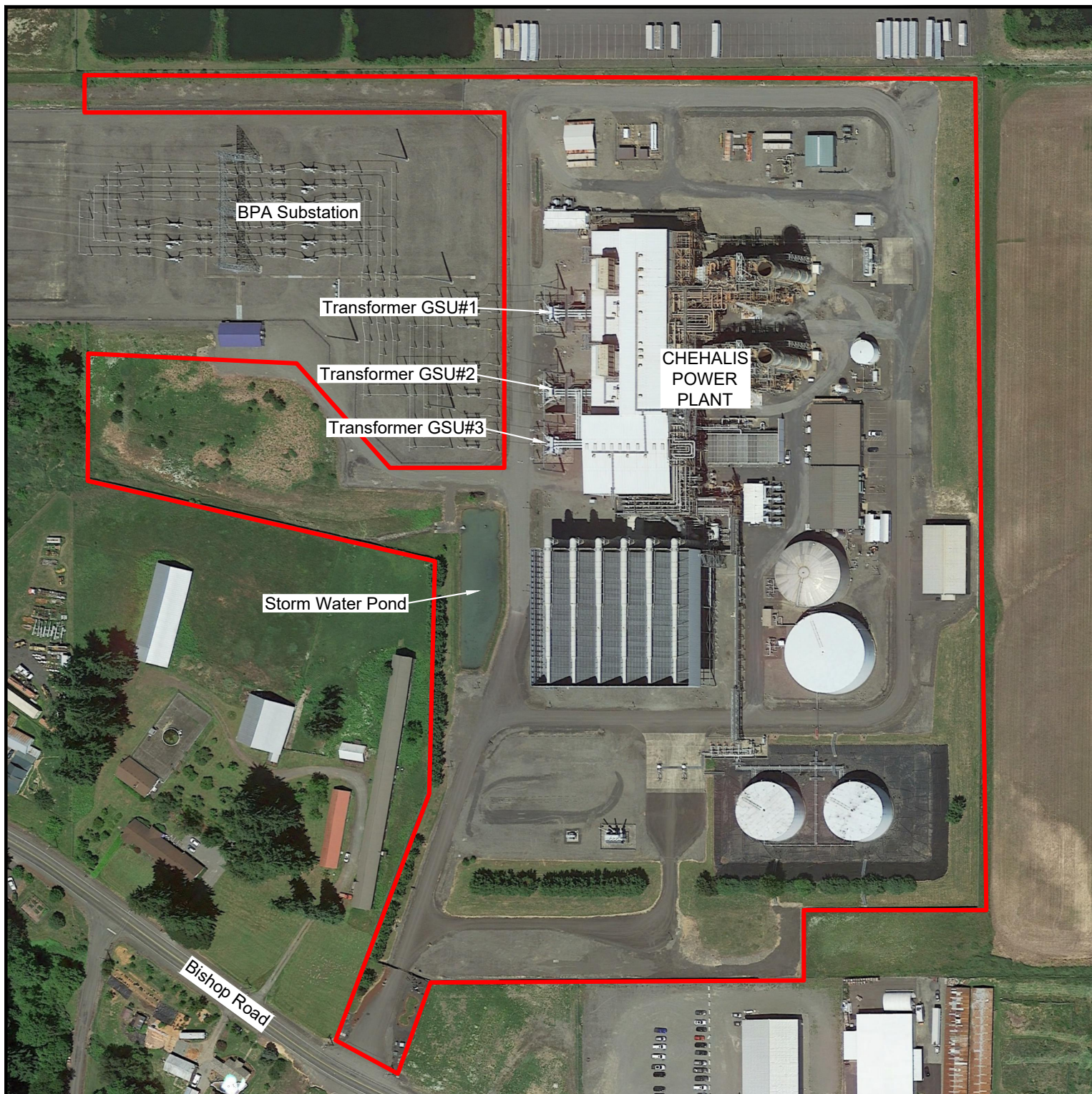
Consulting - Design - Construction - Remediation

### SITE LOCATION MAP CHEHALIS POWER PLANT

PACIFICORP ROCKY MOUNTAIN POWER  
1813 BISHOP ROAD, CHEHALIS, WASHINGTON

SCALE: AS SHOWN	DATE: 3/31/25	FIGURE NO. 1
APPROVED BY: DJL	DRAWN BY: SRM	PROJECT NO. 2064-0054





SOURCE: GOOGLE EARTH (2021)

## LEGEND

— Approximate Site Boundary



Scale: 1"=200'



**A & M Engineering and  
Environmental Services, Inc.**

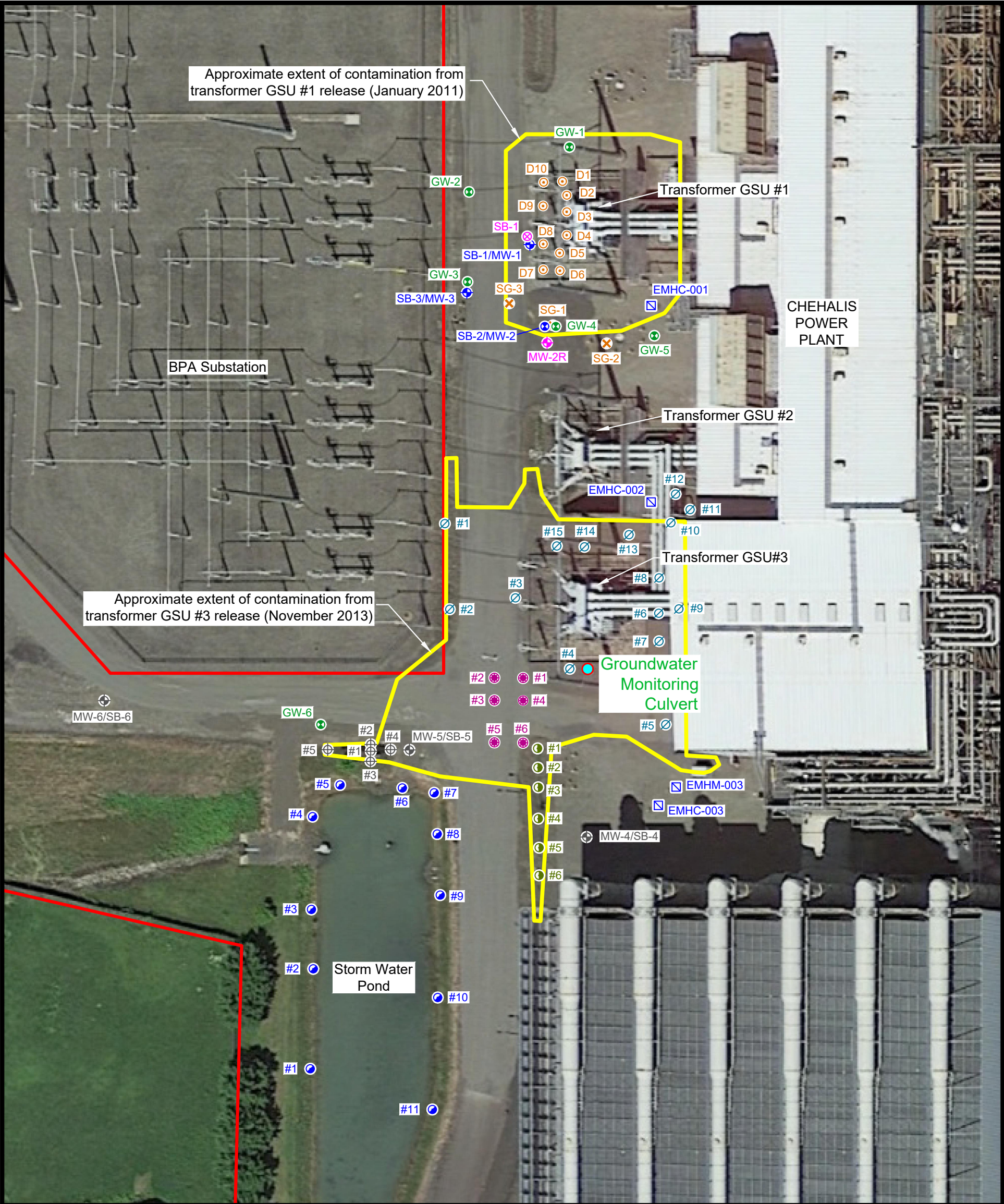
Consulting - Design - Construction - Remediation

## FACILITY MAP CHEHALIS POWER PLANT

PACIFICORP ROCKY MOUNTAIN POWER  
1813 BISHOP ROAD, CHEHALIS, WASHINGTON

SCALE: AS SHOWN	DATE: 3/31/25	FIGURE NO. 2
APPROVED BY: DJL	DRAWN BY: SRM	PROJECT NO. 2064-0054





SOURCE: GOOGLE EARTH (2021)

Monitoring Wells MW-1, MW-2R, MW-3, MW-4, MW-5 and MW-6 were Surveyed by Foresight Surveying, Inc. on 6/10/24

LEGEND

- MW-2R

Soil Boring (June 2024)
- SB-1

Soil Boring (June 2024)
- SB-4/MW-4

Soil Boring (April 2015)
- SB-3/MW-3

Soil Boring (October 2013)
- SG-1

GSU #3 Area Soil Sample (December 2013)
- GW-1

Temporary Well (May 2011)
- D1

GSU #1 Area Soil Sample (May 2011)
- EMHC-001

Electrical Vault
- Groundwater Monitoring Culvert (January 2014)
- #1

GSU #3 Area Soil Sample (December 2013)
- #1

Pond Area Soil Sample (December 2013)
- #1

Ditch Line Soil Sample (December 2013)
- #1

Roadway Soil Sample (December 2013)
- #1

North Pond Ditch Soil Sample (December 2013)
- Approximate Property Boundary



Scale: 1"=50'



**A & M Engineering and Environmental Services, Inc.**  
Consulting - Design - Construction - Remediation

SITE DETAIL MAP CHEHALIS POWER PLANT PACIFICORP ROCKY MOUNTAIN POWER 1813 BISHOP ROAD, CHEHALIS, WASHINGTON		
SCALE: AS SHOWN	DATE: 3/31/25	FIGURE NO. 3
APPROVED BY: DJL	DRAWN BY: SRM	PROJECT NO. 2064-0054



## **APPENDIX B**

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### **Decommissioning Photographs**



Culvert well prior to decommissioning.



Excavating fill to allow casing removal.





Casing prior to adding bentonite and concrete ready-mix.



Well casing removed from subsurface.





Backfilling culvert location and excavation with fill.



Former culvert well location at completion of decommissioning.



## **APPENDIX C**

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### **Resource Protection Well Report**

## Resource Protection Well Report

Submit one well report per well installed. See page two for instructions.

### Type of Work:

- ☐ Construction  
☐ Decommission  $\Rightarrow$  Original NOI No. \_\_\_\_\_

Ecology Well ID Tag No. \_\_\_\_\_

Site Well Name \_\_\_\_\_

Consulting Firm \_\_\_\_\_

Was a variance approved for this well/boring? ☐ Yes ☐ No

If yes, what was the variance for? \_\_\_\_\_

**WELL CONSTRUCTION CERTIFICATION:** I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported are true to my best knowledge and belief.

☐ Driller ☐ Trainee ☐ Engineer

Name (Print Last, First Name) \_\_\_\_\_

Driller/Engineer/Trainee Signature David M. [Signature]

License No. \_\_\_\_\_

Company Name \_\_\_\_\_

If trainee box is checked, sponsor's license number: \_\_\_\_\_

Sponsor's signature \_\_\_\_\_

Notice of Intent No. \_\_\_\_\_

### Type of Well:

- ☐ Resource Protection Well ☐ Injection Point  
☐ Remediation Well ☐ Grounding Well  
☐ Geotechnical Soil Boring ☐ Ground Source Heat Pump  
☐ Environmental Boring ☐ Other \_\_\_\_\_  
 $\hookrightarrow$  ☐ Soil- ☐ Vapor- ☐ Water-sampling

Property Owner \_\_\_\_\_

Well Street Address \_\_\_\_\_

City \_\_\_\_\_ County \_\_\_\_\_

Tax Parcel No. \_\_\_\_\_

Location (see instructions): WWM ☐ or EWM ☐

\_\_\_\_\_ 1/4-1/4 \_\_\_\_\_ 1/4, Section \_\_\_\_\_ Town \_\_\_\_\_ Range \_\_\_\_\_

Latitude (Example: 47.12345) \_\_\_\_\_

Longitude (Example: -120.12345) \_\_\_\_\_

(WGS 84 Coordinate System)

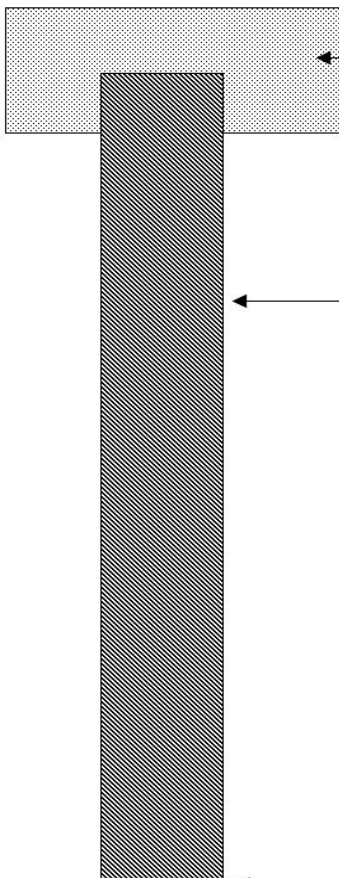
Borehole diameter \_\_\_\_\_ inches Casing diameter \_\_\_\_\_ inches

Static water level \_\_\_\_\_ ft below top of casing Date \_\_\_\_\_

☐ Above-ground completion with bollards ☐ Flush monument

$\hookrightarrow$  Stick-up of top of well casing \_\_\_\_\_ ft above ground surface

Start Date \_\_\_\_\_ Completed Date \_\_\_\_\_

Construction/Design	Well Data	Driller's Log
	<p>CONCRETE SURFACE SEAL _____ FT</p> <p>BACKFILL _____ FT</p> <p>DEPTH OF BORING _____ FT</p>	