



Remediation Management Services Company

4 Centerpointe Drive, Suite 200
La Palma, CA 90623
Room LPR 4-222
Office: (360) 594-7978
wade.melton@bp.com

March 8, 2024

Washington Department of Ecology
Northwest Regional Office
Attn: Ms. Sonia Fernandez
15700 Dayton Avenue North
Shoreline, WA 98133

Dear Ms. Fernandez:

Please find the enclosed Semi-Annual Groundwater Monitoring Report - Second Half of 2023, that documents the results at ARCO Facility No. 980 located at 10822 Roosevelt Way NE, Seattle, Washington.

Sincerely yours,

A handwritten signature in blue ink, appearing to read 'Wade Melton', written over a light blue rectangular background.

Wade Melton
Operations Project Manager
Remediation Management Services Company
An affiliate of Atlantic Richfield Company

cc: File, Antea Group



Semi-Annual Groundwater Monitoring Report

Second Half of 2023
ARCO Facility No. 980
10822 Roosevelt Way NE, Seattle, Washington

Antea[®]Group

Understanding today.
Improving tomorrow.

PREPARED FOR

Remediation Management Services
Company

An affiliate of Atlantic Richfield Company
4 Centerpointe Drive, Suite 200
Room LPR-4-222
La Palma, CA 90623

PREPARED BY

Antea Group – Redmond, WA
March 8, 2024
Project WA - 00980 Seattle
FSID 68996432

us.anteagroup.com

Contents

Work Performed During Second Half of 2023	1
Work Scheduled for First Half of 2024.....	1
Remarks	3
Contact Information.....	3

Tables

Table 1 - Groundwater Gauging Data
Table 2 - Groundwater Analytical Data

Figures

Figure 1 - Site Location Map
Figure 2 - Site Aerial Map
Figure 3 - Groundwater Analytical and Elevation Map – September 19 and 20, 2023
Figure 4 - Groundwater Analytical and Elevation Map – December 6, 2023
Figure 5 - Groundwater Flow Direction Rose Diagram – 2005 to Present

Appendix

Appendix A - Analytical Lab Reports and Chain-of-Custody Documentation
--

Semi-Annual Groundwater Monitoring Report

Second Half of 2023

ARCO Facility No. 980

10822 Roosevelt Way NE, Seattle, Washington

ARCO Facility No.	980
Address	10822 Roosevelt Way NE, Seattle, Washington
Atlantic Richfield Project Manager	Wade Melton, +1 360 594 7978
Consulting Co. / Contact Person	Antea Group / Brad Jackson, +1 971 777 0241
Consultant Project Number	WA – 00980 Seattle
Ecology Facility Site ID No.	Washington State Department of Ecology FSID 68996432

WORK PERFORMED DURING SECOND HALF OF 2023

- Antea Group conducted soil vapor sampling on July 27, 2023.
- Antea Group conducted third quarter groundwater sampling on September 19 and 20, 2023.
- Antea Group conducted fourth quarter limited groundwater sampling on December 6, 2023.
- Antea Group prepared this semi-annual groundwater monitoring report.

WORK SCHEDULED FOR FIRST HALF OF 2024

- Antea Group will conduct semi-annual groundwater monitoring and sampling during the first quarter.
- Antea Group will conduct soil vapor sampling in the first quarter.
- Antea Group will prepare a soil vapor evaluation report.
- Antea Group will prepare a semi-annual groundwater monitoring report.

Current Phase of Project	Monitoring
Frequency of Groundwater Sampling and Monitoring	Site wide semi-annual, limited quarterly
Are LPH Present On-Site	No
LPH Recovered this Reporting Period	None
Cumulative LPH Recovered to Date	Less than one gallon
Amount of Soil Removed to Date	46.27 yd ³

Current Remediation Techniques	Monitored natural attenuation	
Approximate Depth to Groundwater	September 19, 2023	2.32 – 18.94 ft bgs.
	December 6, 2023	9.85 – 11.40 ft bgs.
Groundwater Gradient	September 19, 2023	Southeast 0.096 ft/ft.

REMARKS

The recommendations contained in this report represent Antea USA, Inc.'s professional opinions based upon the currently available information and are arrived at in accordance with currently accepted professional standards. This report is based upon a specific scope of work requested by the client. The contract between Antea USA, Inc. and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Antea USA, Inc.'s client and anyone else specifically identified in writing by Antea USA, Inc. as a user of this report. Antea USA, Inc. will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Antea USA, Inc. makes no express or implied warranty as to the contents of this report.

Prepared by:



Dennis Lindelof
Staff Professional

Date: March 8, 2024



Brad Jackson
Senior Project Manager

Date: March 8, 2024

Reviewed by:



Megan Richard, LG
Senior Project Manager



Date: March 8, 2024

- cc: Mr. Sonia Fernandez, Department of Ecology, Northwest Regional Office (Electronic Copy)
Mr. Michael Dahlstrom, Owner - Caribbean Apartments (Electronic Copy)
Mr. Eric Yuen, Owner – 1019 NE Northgate Way (Electronic Copy)
Ms. Tracy Tam, Owner – 1019 NE Northgate Way (Electronic Copy)
Mr. Joshua Pope, Montgomery Purdue Blankinship & Austin, PLLC (Electronic Copy)
Mr. Enjay Santos and Ms. Erica Knauf Santos, Knauf Santos Law (Electronic Copy)
Mr. Wade Melton, Remediation Management Services Company (Electronic Copy - RMO upload)
File, Antea Group

CONTACT INFORMATION

18378-B Redmond Way
Redmond, WA 98052

Toll Free +1 800 477 7411
International +1 651 639 9449

Tables

Table 1 - Groundwater Gauging Data

Table 2 - Groundwater Analytical Data

Figures

Figure 1 - Site Location Map

Figure 2 - Site Aerial Map

Figure 3 - Groundwater Analytical and Elevation Map – September 19 & 20, 2023

Figure 4 - Groundwater Analytical and Elevation Map – December 6, 2023

Figure 5 - Groundwater Flow Direction Rose Diagram – 2005 to Present

Semi-Annual Groundwater Monitoring Report – Second Half of 2023
ARCO Facility No. 980
March 8, 2024



Appendix A - Analytical Lab Reports and Chain-of-Custody Documentation