

February 2, 2006
10077.020

Oregon Department of Environmental Quality
Northwest Region
2020 SW Fourth Avenue
Suite 400
Portland, Oregon 97201-4987

VIA Email/First Class

Attention: Anna Coates

**Subject: Work Plan for Monitoring Well Destruction and Reconstruction
RI/FS and IRAM Development
Astoria Area-Wide Petroleum Site
Astoria, Oregon
DEQ ECSI File #2277**

Dear Ms. Coates:

The Oregon Department of Environmental Quality (DEQ) has issued an Order requiring remedial investigation (RI), feasibility study (FS), and interim removal action measures (IRAMs) to the Port of Astoria, McCall Oil and Chemical Corporation, Van West/Harris Enterprises, Niemi Oil Company, Chevron-Texaco, Shell Oil Company, Delphia Oil Company, and Qwest (collectively, potentially responsible parties or PRPs). An RI/FS Work Plan Addendum describing the monitoring-well installation program at the Astoria Area-Wide Petroleum Site in Astoria, Oregon, was submitted to the DEQ on July 2, 2003.

This work plan presents the rationale, methods, and procedures to abandon three monitoring wells and reconstruct three wellheads at the Astoria Area-Wide Petroleum Site on the former McCall Oil Bulk plant and on Industry Street, respectively. The site location is shown on Figure 1.

Thirty-six monitoring wells were installed at the Astoria Area-Wide site. The wells are located throughout the site including on the former McCall Bulk Oil plant and Industry Street. Figure 2 shows the monitoring well locations. Four quarters of ground-water monitoring at these wells occurred in 2003 and 2004.

In July 2005, three monitoring wells (MW-16(A), MW-17(A), and MW-29(A)) were covered by asphalt during the repaving of Industry Street by the City of Astoria. The well locations were marked with spray paint for future locating purposes. These well monuments will be unearthed, removed, and new monuments will be installed flush with the new street level by Geo-Tech Explorations of Tualatin, Oregon. The well reconstruction will be performed in accordance with the Oregon Administrative Rules (OAR) 690-240, Construction and Maintenance of Monitoring

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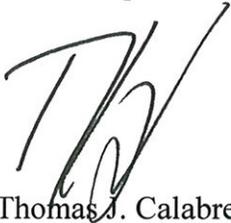
Wells and Other Holes in Oregon. Once the new monuments are in place, they will be resurveyed.

Under the same mobilization/demobilization, the three wells at the former McCall Bulk plant site (MW-46(A), MW-47(A), and MW-48(A)) will be overdrilled and abandoned. These three wells are no longer necessary. Four quarters of ground-water sampling for petroleum hydrocarbons and chromium as part of the Astoria Area-Wide RI along with three additional quarters of ground-water sampling for chromium have been completed. After these seven quarters of the ground-water investigation at the former McCall Oil Bulk plant, sufficient data have been collected to understand contaminant distribution in this area and continued sampling is not necessary. The current locations of the monitoring wells are in areas that are undergoing development at the Port and the wells are in the footprint of new parking areas or buildings. The monitoring well abandonment will be performed in accordance with OARs 600-220, Abandonment of Wells.

This additional work will be documented in the RI Report currently in progress.

Please call me at (503)768-5121 if you have any questions or comments regarding this work plan.

Sincerely,
EnviroLogic Resources, Inc.



Thomas J. Calabrese, RG, CWRE
Principal/Hydrogeologist
Project Manager

cc: Distribution list attached

Attachments

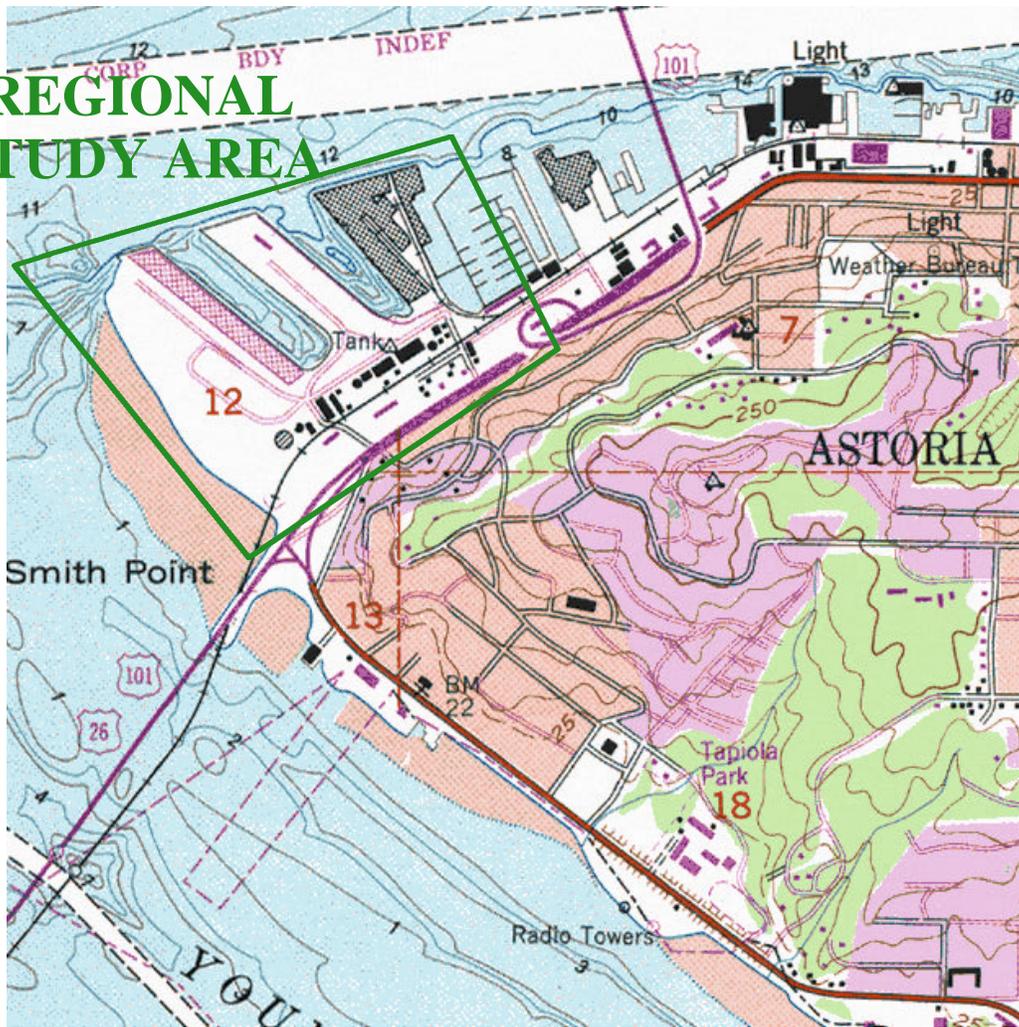
Figure 1	Site Location
Figure 2	Monitoring Well Locations

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**ASTORIA AREA-WIDE PETROLEUM SITE
Distribution List**

- 4 Anna Coates, DEQ Project Manager, Site Response
 - 1 Mike Lilly, Attorney for Port of Astoria
 - 1 Peter Gearin, Port of Astoria
 - 1 Tom Calabrese, *EnviroLogic Resources, Inc.*, Consultant for PoA and AAW PRP Group
 - 1 Max Miller, Tonkon Torp, Attorney for McCall Oil and Chemical Corporation
 - 1 Ted McCall, McCall Oil and Chemical Corporation
 - 1 John Edwards, Anchor Environmental, LLC, Consultant for McCall Oil and Chemical Corp
 - 1 Cary E. Bechtolt, Niemi Oil Company
 - 1 Jeff B. Kray, Marten Law Group, PLLC, Attorney for Niemi Oil Company
 - 1 Kurt Harrington, AMEC, Inc., Consultant for Niemi Oil Company
 - 1 Ed Platt, Shell Oil Company
 - 1 Rick Glick, Davis Wright Tremaine, Attorney for Shell Oil Company
 - 1 Leon Lahiere, Hart Crowser, Consultant for Shell Oil Company
 - 1 Brian Harris, Harris Enterprises
 - 1 Larry Vandermay, Flying Dutchman
 - 1 David Bartz & Laura Maffei, Schwabe Williamson & Wyatt, Attorney for Flying Dutchman
 - 1 Jerry Hodson, Miller Nash, Attorney for Harris Enterprises
 - 1 Lon Yandell, Kleinfelder, Consultant for Harris Enterprises
 - 1 Richard Delphia, Delphia Oil Company
 - 1 Chuck Smith, Attorney for Delphia Oil Company
 - 1 Alistaire Clary, Maul Foster Alongi, Consultant for Delphia Oil Company
 - 1 Darin Rouse, ChevronTexaco Products Company
 - 1 Jon Robbins, Attorney for ChevronTexaco Products Company
 - 1 Gerry Koschal, SAIC, Consultant for ChevronTexaco Products Company
 - 1 Brian Jacobson, Qwest Communications International, Inc.
 - 1 David Bledsoe, Perkins Coie LLP, Attorney for Qwest Communications International, Inc.
 - 1 Donna LaCombe, Tetra Tech EM, Inc., Consultant for Qwest Communications International
 - 1 Anita W. Lovely, Lovely Consulting, Inc., Consultant for Exxon Mobil Corporation
 - 1 Repository File
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REGIONAL STUDY AREA



(from USGS, Astoria [1984], OR 7.5' Quadrangles)

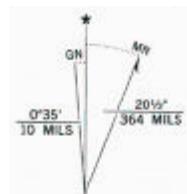
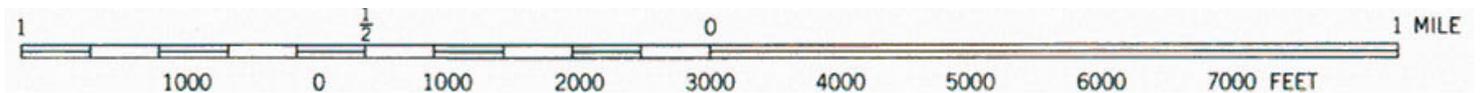


FIGURE 1

SITE LOCATION

Remedial Investigation/Feasibility Study Astoria Area-Wide Petroleum Site Astoria, Oregon

EnviroLogic Resources, Inc.

Consulting Environmental & Water Resources Scientists

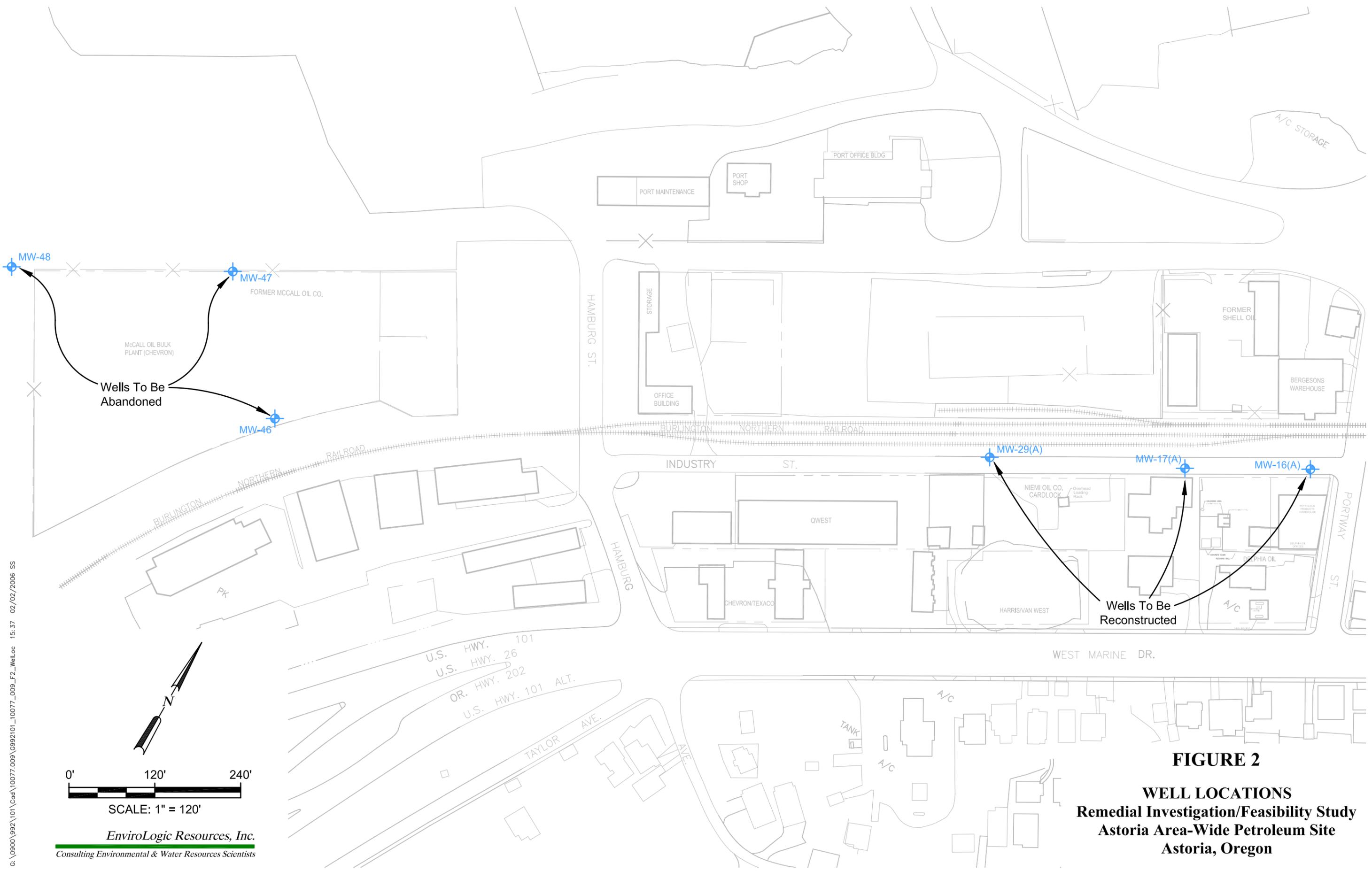


FIGURE 2
WELL LOCATIONS
Remedial Investigation/Feasibility Study
Astoria Area-Wide Petroleum Site
Astoria, Oregon

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EnviroLogic Resources, Inc.
 Consulting Environmental & Water Resources Scientists