

ASTORIA AREA-WIDE PETROLEUM STUDY A Project Briefing June 18, 2002

Thomas J. Calabrese, RG
EnviroLogic Resources, Inc.

Discussion Outline

- Astoria Area-Wide Site History
- The Order from DEQ, and the PRP Group
- RI/FS and IRAM Work Plan Development
- Next Steps
- Ultimate Resolutions

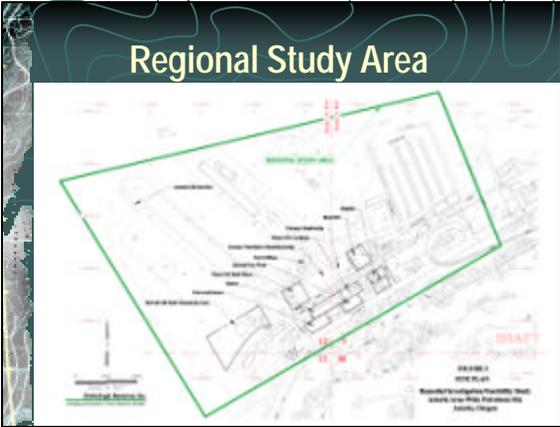
EnviroLogic Resources, Inc.

Astoria Area-Wide Site History

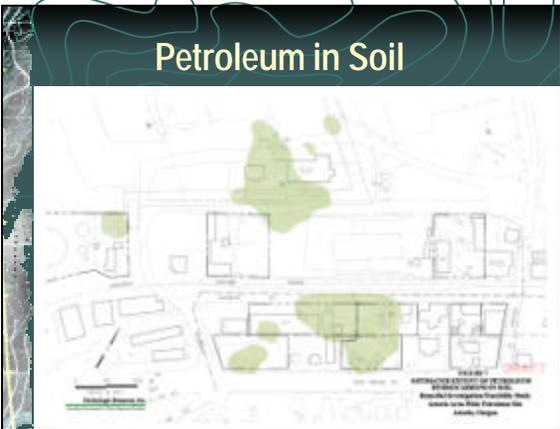
- Petroleum Terminals and Service Stations in Area since 1925
- Gasoline Release at Harris/Van West
- Diesel Release from McCall Pipeline
- Several Other Releases

EnviroLogic Resources, Inc.

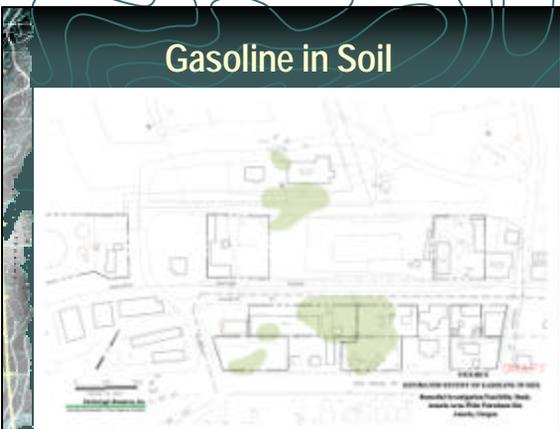
Regional Study Area



Petroleum in Soil



Gasoline in Soil



Diesel in Soil



Free Product



The Order

- DEQ Issued the Order 12/14/01
- Remedial Investigation/Feasibility Study
 - RI/FS
- Interim Removal Action Measures
 - IRAM
- PRP Group formed with 8 Participants

EnviroLogic Resources, Inc.

PRP Group

- ✦ Port of Astoria
- ✦ ChevronTexaco
- ✦ Delphia Oil
- ✦ Harris/VanWest
- ✦ McCall Oil
- ✦ Niemi Oil
- ✦ Qwest
- ✦ Shell Oil

EnviroLogic Resources, Inc.

Work Plan Development

- ✦ Conceptual Proposed Work Plan submitted to DEQ 1/21/02
- ✦ Draft RI/FS and IRAM Work Plan submitted to DEQ 5/13/02
- ✦ Comments on Work Plan received from DEQ on 6/13/02

EnviroLogic Resources, Inc.

Proposed Borings



Summer 2002

- Geophysical Survey
- Soil Sampling from borings
- Soil Remedial Action at Former McCall Site
- Storm Water Sampling at selected outfalls
- Sediment Sampling in Slip 2

EnviroLogic Resources, Inc.

Fall 2002

- Monitoring Well Installation
- Ground-Water Sampling
- Aquifer Testing
- Indoor Air Quality IRAM Development

EnviroLogic Resources, Inc.

2003

- Hydrocarbon Seep IRAM Development
- Quarterly Ground-Water and Storm Water Monitoring
- Phase 2 RI
- Human Health and Ecological Risk Assessments
- Feasibility Study

EnviroLogic Resources, Inc.

Port Issues

- Adequate Characterization on Port Properties for PRP to Achieve Closure
- Property Development Scheduling and Staging

EnviroLogic Resources, Inc.

Opportunities

- PRP Group has several Former Tenants
- The work required in the Order is a chance for the Port to have Former Tenants sites investigated and remedied by the Former Tenants.

EnviroLogic Resources, Inc.
