Phase II Petroleum Site Assessments

Introduction

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Phase II Petroleum Site Assessments

Introduction

First Grant Funded Phase II investigation: Eagle Point Chevron, 2001

~10 Other Phase II Projects at known UST sites
Now is the time to make sure appropriate regulatory agency is involved: State, Tribal, EPA.

- What are reporting requirements?
- When is reporting required?
- What agency has oversight authority?

May not have anything to report at this time – since no sample data has been obtained.
you’ve found an historic gas station…

…with a jingle!

Blue Green Gas
Blue Green Gas
Pour it on your belly
Rub it on your ass
There’s no one
On the highway
You can’t pass
Unless they’re using
Blue Green Gas
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Phase II Planning

• Base initial draft of sampling plan on known historic property uses. Without any information you might want shallow (<3’) soil samples, deeper soil samples, and groundwater samples.

• What will sample collection method be? Hand auger sampling? Push-probe type borings? Hollow-stem auger drilling?

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Sampling Plan Design & Approval

Simple vs. Complex Site Conditions
EPA/State funded work requires coordinated sampling plan development.
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Sampling Plan Design & Approval

Some Key Points

- # of sample points
- Depth to GW
- Collection Method
- Analytical Method(s)

Coast Auto Electric Fac. 12161

LEGEND

Gas UST

W/O UST

Paving Estimate

40 ft. X 30 ft. = 1200 ft²

20 ft. X 20 ft. = 400 ft²

1200 ft² – 400 ft² = 800 ft²

Figure 1
Not to Scale

Office Area
Shop Building

Fir Avenue

~10 ft.

~30 ft.

~20 ft.

~40 ft.

Pump Island

~20 ft.
Objectives include:

1. Delineation

2. Risk-assessment… including vapor intrusion sampling
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‘Expanded’ Phase 2 Site Assessment – North Bend, OR
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Risk Assessment includes vapor intrusion, soil gas sampling and/or indoor air sampling.
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