



Environmental Scientists, Planners and Consultants

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June 14, 2016

Mr. Scott Wagner
Narrows Marina
9001 South 19th Street
Tacoma, Washington 98466-1819

Re: Proposed environmental work plan, Narrows Marina.

Dear Scott:

This work plan details the actions and procedures for soil and/or groundwater sampling within the former underground storage tank (UST) area located along the northeast portion of the Narrows Marina site in Tacoma. This contamination originated from 3 USTs removed in 1989. The tanks contained gasoline and diesel fuel

The purpose of this plan is to gain concurrence from the Washington State Department of Ecology (Ecology) that, once successfully completed, a “No Further Action” letter of determination will be issued for the site.

This plan is based on various discussions with Ecology, and their email dated February 12, 2015.

WORK PLAN

Contaminated soil was encountered within the tank excavation pit during removal of the 3 USTs in 1989. Based on samples collected from the north, west and east sidewalls of the pit, and from samples collected from the bottom of the pit, this soil was successfully excavated (see attached report). However, contaminated soil remained along the mid-south sidewall of the pit.

Based on this, the following plan is proposed:

- Collect one soil sample along the mid-south sidewall area of the former tank excavation pit, approximately 9 feet below grade (assuming groundwater is deeper than 9 feet; if not collect at top of water table).

- Collect one soil sample along the mid-south bottom area of the former tank pit, approximately 14 feet below grade (assuming groundwater is deeper than 14 feet; if not collect at top of water table).
- Collect one soil sample along the mid-west bottom area of the former tank pit, approximately 15 feet below grade (assuming groundwater is deeper than 15 feet; if not collect at top of water table and also collect one groundwater sample). Topographically, this is the downgradient sidewall of the former pit.

Visual and olfactory screening of the soil will occur in the field. As a result, actual soil sampling depths may vary.

All samples will be collected approximately 1 - 2 feet beyond the sidewalls of the former tank pit. Samples will be analyzed for gasoline BETX (benzene, ethylbenzene, toluene and xylenes) compounds, diesel, oil and total lead.

A report will be prepared and one electronic copy submitted to Narrows Marina and to Ecology. This report will discuss sampling locations and depths, and analytical results with comparisons made to established cleanup standards. Conclusions and recommendations will be provided as appropriate. The report to Ecology will also include a cover letter discussing the work performed and requesting an NFA as appropriate.

Please call me if you have any questions.

Sincerely,

ECO COMPLIANCE CORPORATION

Bill Kane

Bill Kane
President
bill@ecocompliance.biz

Attachment

