

Department of Ecology, Northwest Regional Office

September 20, 2001

TO: Colleen D. Bradford
Assistant State Auditor

FROM: Roger Nye
Ecology, Toxics Cleanup Program

SUBJECT: List of Submittals Received from the Port of Seattle Regarding Agreed Order #97TC-N122

The Agreed Order, which stipulated the work to be done, was finalized and signed during May 1999. As the work progressed the Port periodically submitted "work products" in the form of data and diagrams for Ecology's consideration and/or approval before proceeding on to the next phase of the work. Additionally, many meetings and phone conversations regarding the work in the Agreed Order took place interspersed between the submittals. It is via this ongoing process that technical staff at the NWRO determined the work stipulated in the Order was progressing satisfactorily.

Submittals:

1. June 1999: "Conceptual Flow Model Presentation". Diagrams illustrating areas of contamination, the conceptual hydrogeological model, and geological cross sections. The submittal relates to Tasks 1 and 2.
2. July 1999: Computer disk containing three Excel spreadsheets and a map. Two spreadsheets contained bibliographies of reports where information to construct the database and model were acquired (Task 2). The other spreadsheet and map indicated the proposed monitoring well network (Task 4).
3. October 1999: "Model Boundary Presentation". Voluminous maps and diagrams presenting minimum thicknesses, top elevations, and data points of the various hydrogeological units throughout the area. Three-dimensional and plan views of hydrogeological units were also presented along with complete geological cross sections throughout the area. These presentations were computer-generated from the databases that had been created. The submittal relates primarily to Task 3.
4. December 1999: "Model Boundary Presentation - Revised?". Submittal contained mostly the same information as the October 1999 submittal, but somewhat revised based on Ecology's questions and issues. Additionally, the grid or "framework" to be used in the model computations was presented.

AR 034934

Colleen Bradford
September 20, 2001
Page 2

5. February 2000: "Quarterly Ground Water Level Measurements, C1 (Qva) Monitoring Well Network". Submittal presented data and diagrams indicating Task 4 of the grant was ½ complete.
6. July 2000: Computer disk containing seventeen Excel spreadsheet databases, many with thousands of items. These databases indicated the locations of actual data points throughout the area to be modeled and the associated subsurface geological and hydrogeological information available at each location. The October and December 1999 submittals were derived in part from these databases. This submittal relates primarily to Task 3 in the grant.
7. August 2000: "Quarterly Ground Water Level Measurements, C1 (Qva) Monitoring Well Network". Submittal presented data and diagrams indicating Task 4 in the grant was completed.
8. October 2000: "Project Overview / Conceptual Fate & transport model Presentation". Submittal re-presented some data and diagrams contained in previous submittals and also the proposed contaminated areas and contaminants of concern to be used in the contaminant fate and transport portion of the modeling. This submittal relates to Task 5 of the grant.

The December 1999 submittal was not available to show you because I believe it disappeared during a recent public information request regarding the Agreed Order. Also, there may have been an interim submittal (that may also have disappeared) submitted sometime in August or September 1999, which presented groundwater flow directions and geologic cross sections. We have requested copies of all previous paper submittals from the Port. Please call Ching-Pi, John, or me if we can be of further assistance.

AR 034935