

Legal Agreement and Interim Cleanup Plan Available for Public Comment

The Department of Ecology is amending a legal agreement (Agreed Order) for the cleanup of the NuStar Energy L.P. (NuStar) site. The site is located at the Port of Vancouver Terminal #2, 2565 NW Harborside Drive in Vancouver.

In 2007, NuStar entered into a legal agreement to continue investigating contamination and begin cleanup at the site. NuStar began an interim action (partial cleanup) to remove contamination in 2008. That cleanup action has been very effective in the half-acre area where it has been used.

Now the company is planning an interim action to expand the cleanup efforts that began in 2008. The new interim action will:

- Expand the existing soil vapor extraction system that removes volatile organic compounds from soil (see box on page 2).
- Expand the existing enhanced bioremediation system to treat contaminated groundwater (see box on page 2).

Three documents are available for review and comment at the locations listed to the right:

- **Draft Interim Action Work Plan**—Describes the system design and operation for the proposed interim action.
- **Agreed Order Amendment**—Updates the original legal agreement between Ecology and NuStar.
- **State Environmental Policy Act Determination and Checklist**—Describes the potential negative impacts of the cleanup work and how they will be lessened.

Ecology Wants Your Comments!

Ecology will be accepting comments on these documents from April 11 - May 10, 2011. Information about document location and where to submit comments can be found in the box on page 1. Ecology will respond to your comments at the end of the comment period.

Comments Accepted

April 11 thru May 10, 2011

Submit Comments and Technical Questions to:

Rod Schmall, Site Manager
WA Department of Ecology
Vancouver Field Office
2108 Grand Blvd.
Vancouver, WA 98661
Phone: (360) 690-4798
E-mail: Rod.Schmall@ecy.wa.gov

Public Involvement Questions:

Diana Smith
Phone: (360) 407-6255
E-mail: Diana.Smith@ecy.wa.gov

DOCUMENT REVIEW LOCATIONS

Vancouver Regional Library
1007 E. Mill Plain Road
Vancouver, WA 98663
(360) 695-1566

WA Department of Ecology Southwest Regional Office

300 Desmond Drive SE
Lacey, WA 98503

By appointment only:

Contact Debbie Nelson,
Debbie.Nelson@ecy.wa.gov or
(360) 407-6365

Ecology's Toxics Cleanup Web site

http://www.ecy.wa.gov/programs/tcp/sites/nuStar/nuStar_hp.htm

Facility Site ID #: 1026

Site Background

ST Services (now NuStar Terminals Services, Inc, a subsidiary of NuStar Energy L.P.) has operated the site as a shipping terminal since 1998. The terminal receives, stores, and transfers bulk chemicals, jet fuel and methanol. The Port of Vancouver owns the property and leases it to NuStar.

Prior to 1998, the terminal was owned and operated by GATX. During GATX ownership, contamination of soil and groundwater was discovered on site.

Initial investigations to determine the type and extent of contamination found several contaminants above state cleanup levels including the chlorinated solvents perchloroethylene (PCE) and trichloroethylene (TCE). Chlorinated solvents have not been handled on the site since at least 1994.

In 1998, ST Services (after purchasing GATX) entered into an Agreed Order with Ecology to complete a remedial investigation, interim actions and a feasibility study.

Before these activities could be completed, Valero L.P. purchased ST Services. Valero L.P. then assumed responsibility for cleanup of this site. In 2007, Valero L.P. changed its name to NuStar Energy L.P. NuStar then entered into an Agreed Order with Ecology to complete a remedial investigation and feasibility study for the site.

What Happens Next?

Ecology will review public comments and finalize the Interim Action Plan and Agreed Order Amendment. NuStar will then implement interim action work in mid-2011. NuStar will also finish investigating the entire site and assess the feasibility of different options for final cleanup.

What is Soil Vapor Extraction?

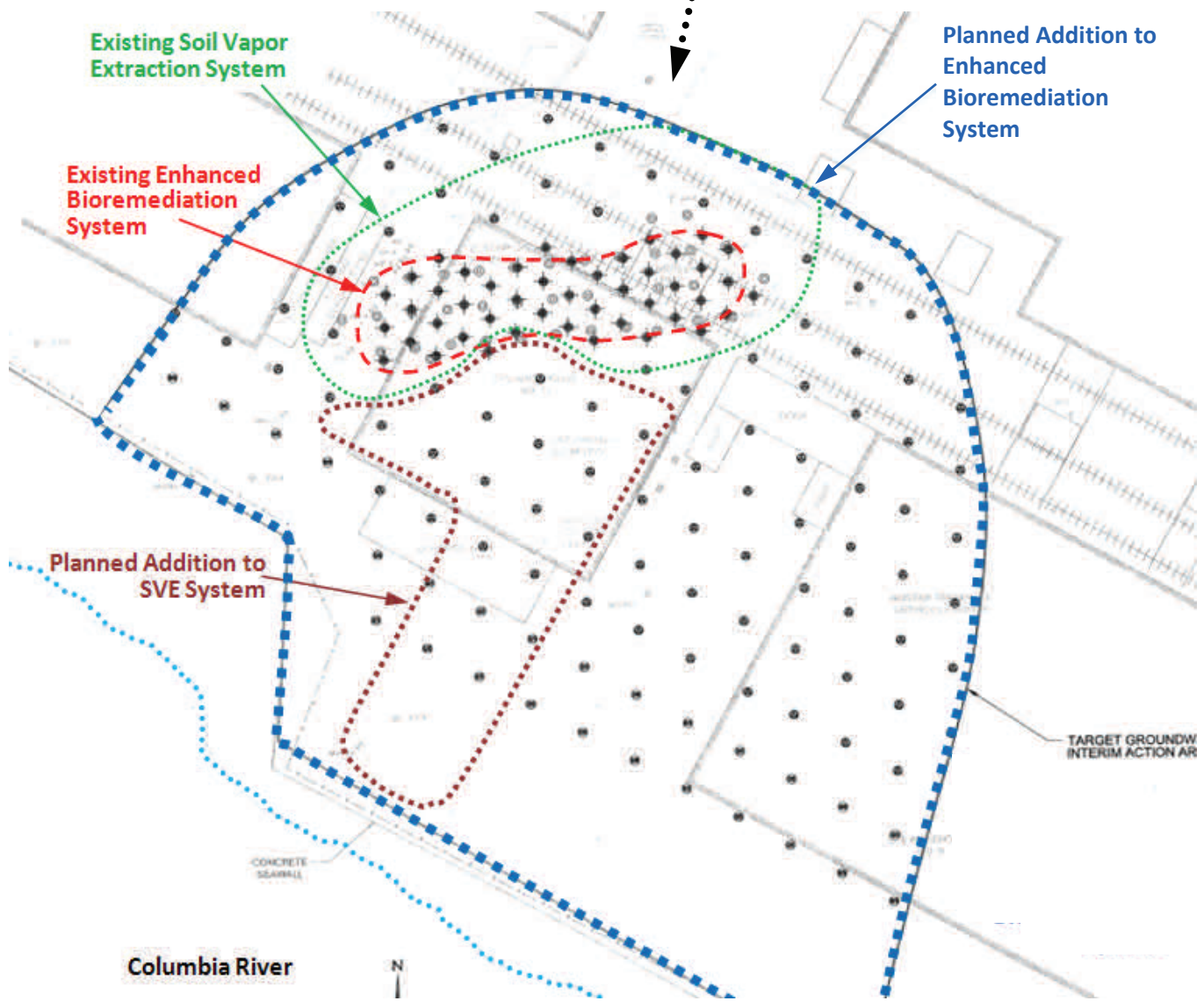
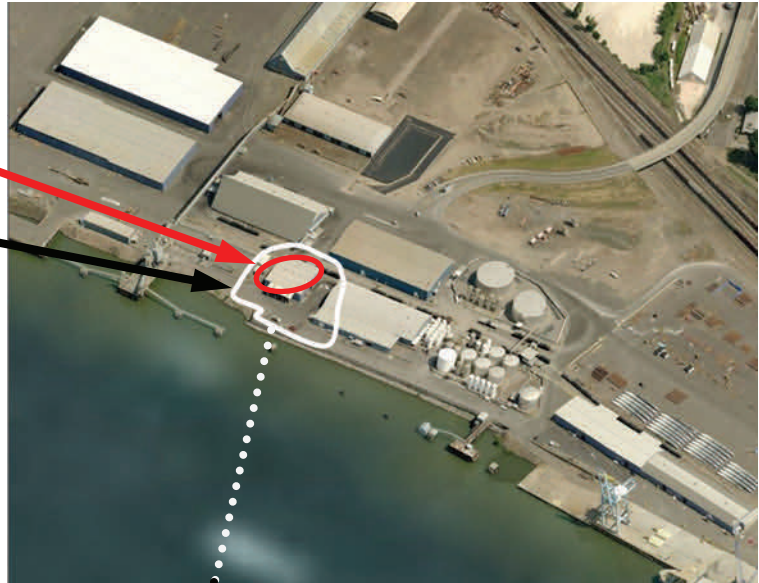
Soil vapor extraction (SVE) removes volatile organic compounds (VOCs) that have accumulated in the soil and soil vapor at the site. An array of wells and collection pipes connected to a vacuum pump withdraws the soil gas that contains VOCs from the soil. That gas stream is then cleaned using activated carbon filters.

What is Enhanced Bioremediation?

Enhanced bioremediation is being used to treat contaminated groundwater at the NuStar site. It uses microorganisms (bacteria) that live in the aquifer and can break contaminants into less toxic substances. NuStar is using modified vegetable oil to improve conditions for the organisms. This speeds up the breakdown rate and improves the likelihood that contaminants will degrade all the way into harmless products.

Primary contaminant source area

Interim action area





DEPARTMENT OF
ECOLOGY
State of Washington

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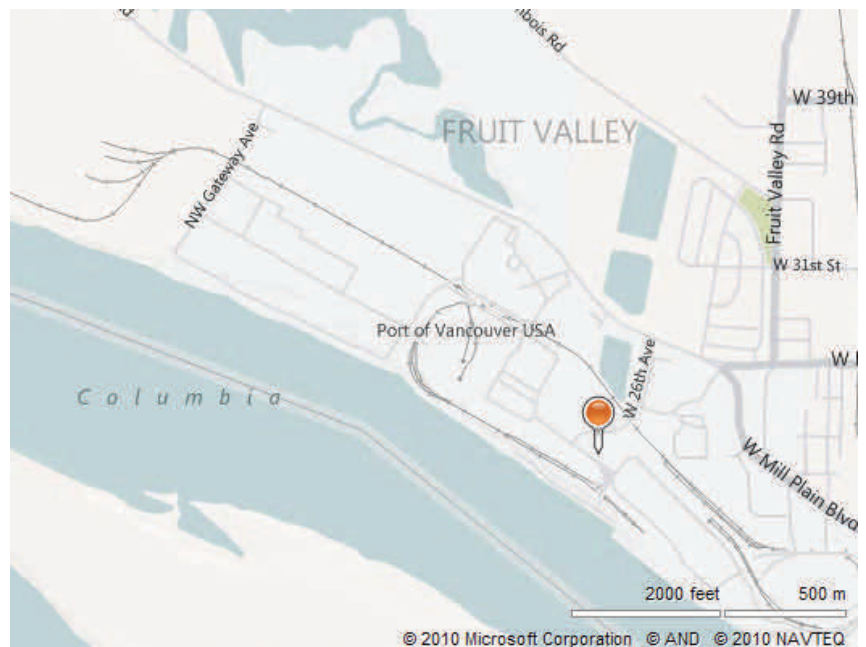
NuStar Energy L.P. Clark County, WA

Ecology seeks public comment on a interim cleanup action

Public Comment Period:
April 11 – May 10, 2011

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NuStar Energy LP site, 2565 NW Harborside Drive, Vancouver