

Draft Remedial Investigation (RI), Feasibility Study (FS), and Draft Cleanup Action Plan (CAP) Reports, and Draft Public Participation Plan now available for public review and comment

The Washington State Department of Ecology (Ecology) prepared this fact sheet to provide you with information about the Hansville General Store site, located at 7532 Twin Spits Road in Hansville, Washington 98340, which is also an unincorporated part of Kitsap County.

Consent Decree

In 1991 Ecology and Hansville General Store entered into a legal agreement called a Consent Decree. Under this Consent Decree, Ecology and Hansville General Store agreed to clean up the site. To prepare for and guide the cleanup, Ecology has conducted a Remedial Investigation/Feasibility Study (RI/FS), and prepared a Cleanup Action Plan (CAP). The RI identifies the nature and extent of contamination at the site. The FS assesses alternative ways of cleaning up the contamination. The CAP details the selected cleanup action. All of these are currently draft documents.

Under the Consent Decree the costs associated with the cleanup were to be paid by Ecology, contingent on the availability of state funding. The cleanup costs are estimated at approximately \$ 1.1 million. Due to the current state budget shortfall, no funds are currently available to complete this cleanup using state

Comments Accepted

February 9 – March 11, 2010

Submit Comments and Technical Questions to:

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Ecology's Website:

http://www.ecy.wa.gov/programs/tcp/sites/hansvilleStore/hansvilleStore_hp.html

Facility Site ID: # 2621

funds. However, federal stimulus funding may become available in 2010 for the cleanup work.

Public Participation Plan

A draft Public Participation Plan is designed to promote community involvement during the cleanup process. The plan outlines and describes the tools and approaches that Ecology will use to inform the public about site activities, and it identifies opportunities for the community to become involved in this process.

Site Background

Prior to 1934, the facility was operated as a farmer's store. Between 1934 and 1988, the facility operated as a general store and gas station. In 1988, the facility no longer operated as a gas station, but continued as a general store.

In 1990, an adjacent site, formerly Captains Landing, underwent an independent cleanup. During the cleanup, evidence was found that petroleum hydrocarbons originated from the Hansville General Store property. Two underground fuel storage tanks (USTs) on the store property were thought to be the source.

That same year Parametrix installed three ground water monitoring wells on the store property and five wells on Captains Landing property. These wells were sampled, and a tidal study was conducted to evaluate the influence of tide on ground water flow. In 1993, Welch Enterprises, drilled six hand auger borings and collected samples of soil and ground water for analysis. Data from the 1990 and 1993 explorations showed gasoline and diesel contamination in soil and ground water associated with the Hansville General Store property.

In 1994, the two USTs on store property were removed as part of an interim action by Ecology. Contaminated soil encountered during the excavation was partially removed. The source of the contamination appeared to be leaks and spills associated with a former fuel dispenser and the two USTs.

Also in 1994, the site was selected for a Site Hazard Assessment (SHA) and subsequently ranked by the Washington Ranking Method (WARM). The site was ranked a "3" and placed on the Washington State Hazardous Sites List due to soil and ground water contamination from petroleum products. This ranking is based on a scale of 1 to 5 where "1" represents the highest relative risk, and "5" represents the lowest relative risk. This ranking is designed to estimate the potential threat to human health and the environment relative to all other sites in Washington State.

Various investigations occurred subsequent to the 1994 tank removals as follows:

- Multiple rounds of ground water samplings were conducted by Ecology in 1995 and 1996.
- Six new hand auger borings were drilled and soil and ground water samples were obtained for analysis in 2003. Additional ground water samples were obtained from four existing on -property wells and one off-property well.
- Seventeen new hand auger borings were drilled in 2005 to obtain more soil and ground water samples for analysis. In addition, four existing on -property wells and one off-property well were re-sampled.

In summary, gasoline and diesel have been detected in soil. Shallow ground water contamination was also detected at the site, mirroring the nature and extent of contamination in soil.

Draft Remedial Investigation and Feasibility Study Reports

The Draft Remedial Investigation report identified the nature and extent of the contamination at this site.

The Draft Feasibility Study report assessed alternative means of cleaning up the contamination and provided information to develop the cleanup action plan. State law requires the cleanup alternatives meet the following criteria: protect human health and the environment, comply with state cleanup standards and laws, provide compliance monitoring, provide a reasonable restoration time-frame, use permanent solutions to the maximum extent practicable, consider public control, and achieve source control.

Additional objectives for the remedial actions include:

- Provide for the continued operation of the general store as a community amenity.
- Allow continued use of Twin Spits Rd for local traffic during the cleanup action.
- Protect the quality of water in the Kitsap public utility district (PUD) main that passes through the site.
- Achieve a complete cleanup of the site within a short time period as a means of completing and satisfying the Consent Decree.

The following four cleanup alternatives were considered to meet state criteria and cleanup objectives:

1. Complete soil excavation with offsite disposal and ground water treatment.
2. Complete soil excavation with nearby treatment and ground water treatment.
3. Partial excavation with ground water treatment.
4. Partial excavation with ground water treatment and soil vapor venting.

All of the alternatives represent permanent cleanup actions and are similar in terms of environmental protection. Alternative 4 was chosen as the recommended cleanup alternative because it provides the greatest degree of environmental protection relative to cost and with the least disruption to the general store. This alternative includes the following benefits:

- Store building would not need to be moved.
- Majority of the contaminated soil would be removed.
- Contaminated soil vapor beneath the general store building would be addressed.
- Residual soil and ground water contamination would be cleaned up beneath the building and outside the area of soil contamination.

Draft Cleanup Action Plan

The Draft Cleanup Action Plan (DCAP) is a document that reviews site information and details the selected cleanup action based on the available information. The main elements of the proposed cleanup action are outlined as follows:

- Excavating the majority, but not all, of the contaminated soil, and transporting it to an offsite disposal facility. Contaminated soils beneath the store building would not be excavated. Clean soils encountered in the excavation would be temporarily stockpiled on the store property or on an adjoining property until it could be used to backfill the excavation.
- Implementing an enhanced bioremediation system beneath the store building and outside the periphery of the excavation to address residual ground water contamination. The system would also address contaminated soils below the store building (most of the contaminated soil should be below the water table).
- Installing a passive venting system beneath the store building to reduce the potential for soil vapor intrusion into the building.
- Replacing the 8" water main through the Site, and repaving Twin Spits Rd.
- Implementing an extended period of ground water monitoring to track and confirm cleanup.
- Providing public notifications before and during construction.
- Mobilizing for construction including the installation of temporary erosion and sedimentation control measures.
- Excavating contaminated soil and backfilling the excavation to meet Kitsap County structural support requirements for roadways.
- Implementing traffic control during construction to facilitate traffic flow and maintain community access.
- Dewatering or installing sheet piles as necessary to maintain soil excavation stability.
- Managing and disposing of contaminated soil in a permitted facility.
- Installing a new water main in accordance with PUD requirements.
- Installing and operating the enhanced bioremediation system.
- Installing the passive soil vapor venting system.
- Repaving the road and re-storing the site.

Elements necessary to accomplish the proposed remediation include the following:

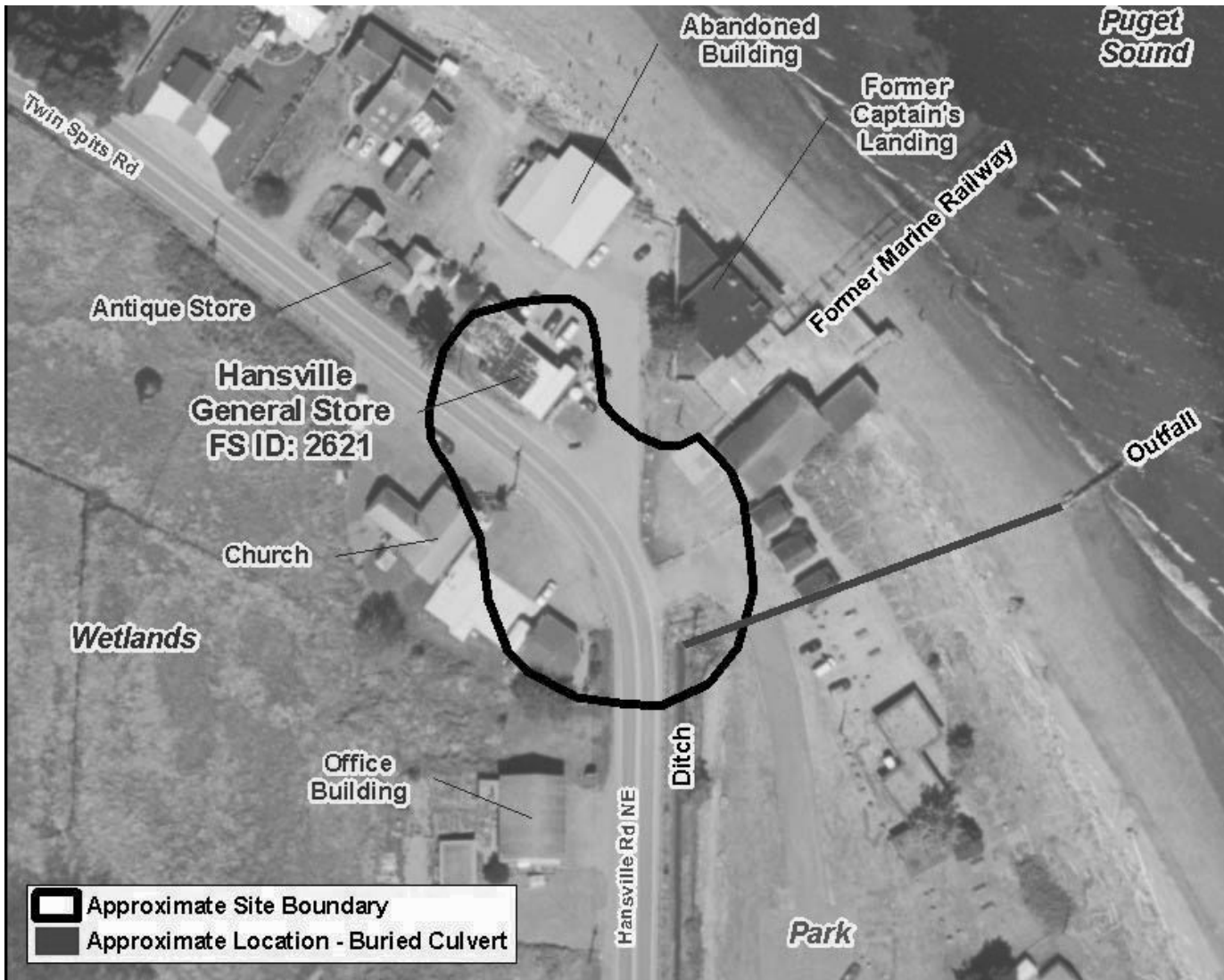
- Preparing engineering plans and specifications.
- Obtaining necessary permits.
- Establishing property access agreements.

Current plans envision the construction work beginning in June 2010, and being completed by September 2010. The actual project schedule will be established during the initial engineering phase of the project.

What Happens Next?

After the comment period, Ecology will review all comments. A public meeting is not planned for this site, however, one will be held if 10 or more people request a public meeting.

Hansville General Store Site Map





DEPARTMENT OF

ECOLOGY

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**Hansville General Store Site
Kitsap County, WA**

Ecology wants your input on the Draft Remedial Investigation/Feasibility Study Report,
Draft Cleanup Action Plan and Draft Public Participation Plan

Public Comment Period: February 9 - March 11, 2010

Facility Site ID #: 2621

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