

Occidental Draft Environmental Documents Available for Review and Comment



**Comments Accepted
January 27 through
March 13, 2017**

Submit comments to:

Kerry Graber, Site Manager
PO Box 47775
Olympia WA 98504-7775
Phone: 360-407-0241
Email: kerry.graber@ecy.wa.gov

Open House & Public

Hearing:

Wednesday, March 8, 2016
Center at Norpoint
4818 Nassau Avenue NE
Tacoma WA 98422
Open house: 5-6 p.m.
Public hearing: 6 p.m.

Website:

<http://bit.ly/EcologyOccidentalCleanUpSite>

Special accommodations

To request ADA accommodation, call Ecology at 360-407-6700, 711 (relay service), or 877-833-6341

Occidental Chemical Corporation Tacoma Site

The Occidental Chemical Corporation's (OCC) Tacoma site was home to chemical production, ship building, and military operations from 1929-2002. Contamination from these operations has been found in soil and groundwater at and near the facility. The contamination includes:

- Chlorinated volatile organic compounds (CVOCs)
- Sodium hydroxide
- Salt (sodium chloride)
- Metals
- By-products of chlorinated solvent production
- Poly-chlorinated biphenyls (PCBs)
- Dioxins/furans

The cleanup process has many phases. The first is to identify the nature and extent of contamination in a Remedial Investigation (RI). In 2015-2016, Ecology held a public comment period for the draft Remedial Investigation (RI), a study that defines the nature and extent of contamination. Now that the RI has been conditionally approved, with edits that took into account the public's concerns earlier this fall, the next step is to finalize a Feasibility Study (FS). The FS develops remedial action goals, identifies remedies for contamination, and evaluates cost estimates for cleanup alternatives.

Public Comment Invited

Several draft documents for the OCC Tacoma site are available for public review and comment. These draft documents include the following.

Draft Agreed Order

The Agreed Order is a legal document that requires OCC to:

- Perform pumping tests to assist in evaluating the reliability and performance of hydraulic containment systems.
- Develop and implement a monitoring program in advance of the remedy selection.
- Submit a draft Cleanup Action Plan (dCAP).

Draft Feasibility Study

OCC submitted a draft Feasibility Study (FS) to Ecology. The FS develops remedial action goals, identifies remedies for contamination, and evaluates cost estimates for cleanup alternatives. All of the proposed alternatives will include institutional controls, along with groundwater and soil vapor monitoring. An overview of the three cleanup alternative categories is provided below.

1. Containment Alternatives

- An asphalt cover over the Site.
- A sheet pile vertical barrier wall adjacent to the Hylebos Waterway.
- Variable amounts of groundwater extraction and treatment.

2. Volatile Organic Compounds (VOCs) Mass Removal or Reduction Alternatives

- Extracting and treating groundwater.
- Excavating shallow contaminated soils.
- Treating soil contamination using heat.
- Extracting soil vapor.
- Treating groundwater using a chemical oxidant.
- Treating groundwater using bioremediation.

3. pH Reduction/Enhanced Containment

The pH reduction/enhanced containment alternatives are designed to address high pH in groundwater and soil. These alternatives include in-situ treatment or containment of soil and groundwater. These alternatives would need to be combined with containment alternatives.

Vapor Intrusion Memo and Reports

Vapor intrusion (VI) occurs when gases from chemicals in the soil and groundwater enter buildings. VI can cause potentially unhealthy levels of hazardous substances in indoor air. Ecology reviewed OCC's site vapor intrusion study and found a significant vapor footprints below the former Occidental plant production area. There is also a significant vapor footprint from the solvent production settling ponds.

Corrective Action Permit

Corrective Action permits are administrative documents that allow cleanup work to begin at facilities that have treated, disposed of, or stored dangerous waste.

Porewater Sampling Results

In the summer of 2016, OCC sampled porewater – the water in the small spaces between soil. Samples were taken in the Hylebos Waterway and Commencement Bay to see if any contamination from the groundwater plume was entering the water. The results show that there is one area where contamination may enter the Hylebos. However, the concentration was low enough to not pose a direct threat to the public or wildlife.

Document Review Locations

Department of Ecology

Southwest Regional Office
300 Desmond Drive SE
Lacey WA 98503
Call for hours: 360-407-6365

Citizens for a Healthy Bay

535 Dock Street, Suite 213
Tacoma WA 98402
Call for hours: 253-383-2429

Mary Rose Kobetich Library

212 Browns Point Blvd NE
Tacoma WA 98422
Call for hours: 253-248-7265

Ecology Wants to Hear from You!

Ecology wants your input on the draft documents for this site. The concerns and comments from the public will help Ecology make a decision whether or not to approve the draft documents. This is an important step in the cleanup process for this site. You can submit comments by email or mail to Kerry Graber (information on front panel). You can also attend our public hearing and voice your opinion.

Español

Borradores de varios documentos ambientales acerca del sitio de Occidental Chemical Corporation en Tacoma están disponibles para la revisión y comentario público. Ecología solicita sus comentarios sobre los borradores de los documentos de este sitio. Puede someter sus comentarios al gerente del sitio en el Departamento de Ecología por correo electrónico a kerry.graber@ecy.wa.gov o por correo postal al P.O. Box 47775, Olympia, WA 98504-7775.

¿Preguntas sobre este sitio? Llame al 360-407-6340 y pregunte por un intérprete. También puede obtener más información acerca de este sitio y someter sus comentarios formales durante nuestra audiencia pública el 8 de marzo del 2017 en el centro en Norpoint en 4818 Nassau Avenue NE, Tacoma WA 98422. Si usted necesita esta u otra información traducida o requiere un intérprete para la audiencia pública comuníquese con [Lorna Gadwa](mailto:Lorna.Gadwa@ecy.wa.gov) 360-407-6340.

한국어

공청회 기간동안 시민들의 이해를 돕고 조언 할 수있게끔 타코마에 있는 Occidental Chemical 회사관련 여러 환경조사 자료초본이 준비되어있습니다. 주 환경부에서는 주민들의 조언을 듣기를 원하면, 담당자에게 email ([Kerry Graber](mailto:kerry.graber@ecy.wa.gov)) 혹은 서면으로 (P.O. Box 47775, Olympia, WA 98504-7775) 의견을 제출하면 됩니다.

의문이 있으면 360-407-6340 에 연결후 통역을 요청하세요. 더욱 많은 자료나 관심이 있으면 오는 3월 8일 2017년 Tacoma (Norpoint, 4818 Nassau Avenue NE, Tacoma WA 98422) 에서 열리는 공개공청회에 참석하세요. 한국어로 번역된 공청회 공지사항 혹은 관련 자료가 필요하거나, 공개 공청회 현장에서 통역이 필요하다면 360-407-6340 ([Lorna Gadwa](mailto:Lorna.Gadwa@ecy.wa.gov)) 로 사전에 연락 주시기 바랍니다.

РУССКИЙ

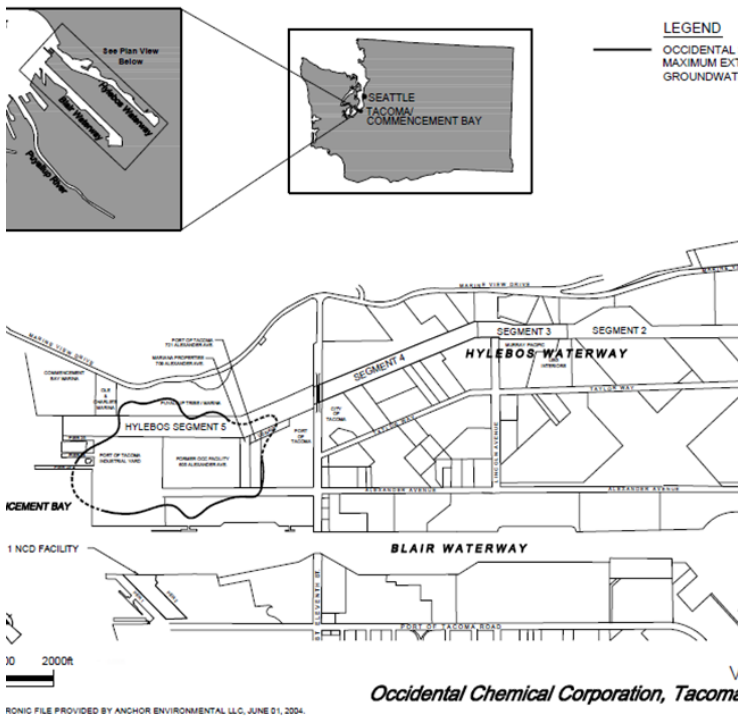
Для ознакомления и комментариев общественности подготовлен ряд проектов экологических документов, касающихся расположенного в Tacoma объекта Западной химической корпорации (Occidental Chemical Corporation). Департамент экологии ждёт ваших мнений о проектах документов относительно этого объекта. Вы можете направлять свои комментарии руководителю объекта в Департаменте экологии по электронной почте kerry.graber@ecy.wa.gov или по почтовому адресу: P.O. Box 47775, Olympia, WA 98504-7775.

Вопросы об этом объекте? Позвоните по телефону 360-407-6340 и попросите переводчика. Кроме того, можно получить дополнительную информацию об объекте и оставить официальные комментарии во время открытого слушания, которое будет проводиться 8 марта 2017 года по адресу Norpoint, 4818 Nassau Avenue NE, Tacoma WA 98422. Если вам необходим перевод данного уведомления или услуги переводчика во время открытого слушания, обращайтесь Lorna Gadwa 360-407-6340.



PO Box 47775
Olympia WA 98504-7775

Join the discussion about cleanup at Occidental Chemical Corporation



**Open House and Public Hearing
March 8, 2017**

Open House: 5:00-6:00 p.m.

Public Hearing: 6:00 p.m.

**Center at Norpoint
4818 Nassau Avenue NE
Tacoma WA 98422**

Información en español adentro.

한국어로 번역된 자료포함

**Информация на русском языке
внутри.**