



Department of
Toxic Substances
Control

*The Mission of
the Department
of Toxic Substances
Control is to
provide the
highest level of
safety, and to
protect public
health and the
environment
from toxic harm.*



State of California



California
Environmental
Protection Agency

Former Georgia-Pacific Mill Site Update: Next Steps at Operable Units C, D and E

The California Department of Toxic Substances Control (DTSC) is distributing this fact sheet to provide the community and interested parties environmental updates for Operable Units (OUs) C, D and E at the former Georgia-Pacific Mill Site. The Mill Site is located west of Highway 1 along the Pacific Ocean coastline in the City of Fort Bragg, Mendocino County.

About two thirds of the original 415-acre property is now remediated and ready for appropriate new uses. The latest environmental studies help define the next steps needed to complete cleanup of petroleum hydrocarbons, dioxins/furans, metals and other contaminants detected in remaining areas of the former Mill Site:

Feasibility Study for OUs C and D – Last year, DTSC determined that about 190 acres of OUs C and D do not require further remedial action, so the focus of the feasibility study is evaluation of remedial options for the remaining 94 acres of the OUs.

Remedial Investigation for OU E – This study reports the findings of soil, sediment and groundwater sampling in and around the ten ponds on the Mill Site, including the central Mill Pond Complex near Fort Bragg Landing (formerly known as Soldier Bay). The findings will help determine remedial options for cleanup of OU E.

Results of the OU C and D Feasibility Study and a similar Feasibility Study of remedial options for OU E will be combined to develop a draft comprehensive Remedial Action Plan (draft RAP). In a parallel process, the City of Fort Bragg will prepare a draft Environmental Impact Report (EIR) addressing both the Mill Site Specific Plan for redevelopment of the Mill Site and the draft RAP for OUs C, D and E. The draft RAP and EIR will be available for public review prior to the final review and approval of the OU C, D and E RAP by the City of Fort Bragg and DTSC.

PUBLIC INVOLVEMENT

We encourage your involvement regarding the investigation and cleanup process for the former Georgia-Pacific Mill Site. If you would like additional information, or have questions about the cleanup, please contact:

Tom Lanphar, DTSC Project Manager
700 Heinz Avenue, Suite 100, Berkeley, California 94710
(510) 540-3776

TLanphar@dtsc.ca.gov

COMMUNITY WORKSHOP

DTSC will host a community workshop to summarize the OU C and D Feasibility Study and OU E Remedial Investigation, and answer related questions. Join us for the workshop at 6:30 p.m. on Wednesday, February 8, 2012 at:

C.V. Starr Community Center
300 South Lincoln Street
Fort Bragg, California 95437



Status of the Operable Units

To help organize investigation and cleanup, DTSC divided the Mill Site into five geographic areas called operable units (OUs A, B, C, D and E). All work is complete for OUs A and B, and the remedial investigation report for OUs C and D was approved by DTSC in June 2011. The remedial investigation of the ponds and low-lying area that comprise OU E is also complete and described later in this fact sheet.

OU C comprises about 114 acres in the northern area of the site, and the 168-acre OU D is in the southern portion of the site (Maple Street is the approximate dividing line). OUs C and D were historically used for industrial activities such as sawmill and planing operations, vehicle and equipment maintenance, log and lumber storage and a tree nursery.

The OU C and D remedial investigation identified 10 areas of interest (AOIs) and portions of 14 additional AOIs that needed no further action or cleanup because contaminants were not detected in groundwater and soil or potential risks from low-level contamination do not exceed DTSC guidelines.

Several other areas within OUs C and D were cleaned up using land farming and bioremediation during the 2007 pilot study, and in 2009 and 2010 as part of the Interim Action RAP approved by DTSC in 2008.

The remaining areas within OUs C and D are the focus of the Feasibility Study to evaluate remedial alternatives for final cleanup.

OU E Remedial Investigation

OU E includes about 27 acres in the west-central portion of the Mill Site, plus the ten former industrial ponds. Also known as the Mill Pond Complex, this area was historically used for industrial activities related to power production and milling of timber. The ponds were all made for industrial purposes, including capturing process waste water from site operations, providing a source of water for fire-fighting and use as a place to store logs during former mill operations.

The OU E remedial investigation evaluates the nature and extent of contamination in soil, sediment, surface water and groundwater. The investigation approach involved broad sampling across OU E followed by focused “step-out” sampling in the five AOIs where former site operations contributed to environmental impacts at the site. More than 300 samples were collected in 2010, which is in addition to samples collected during previous field efforts in 2008 and 2009. Taken together, these data provide a comprehensive characterization of the nature and extent of contamination in OU E and will help determine which areas and what cleanup options are to be evaluated in the OU E Feasibility Study.

Potential risks to human health and ecological receptors (plants and wildlife) also were evaluated, focusing on the future restoration scenario for OU E, including the creation of wetlands and open space and the day-lighting of Maple Creek. As described in detail in the upcoming Remedial Investigation Report (expected to be completed in February 2012), potential human health risks and ecological risks are either below established thresholds or are low and will be addressed through remediation. Contaminants of concern in OU E include metals, PAHs (polycyclic aromatic hydrocarbons), dioxin and petroleum hydrocarbons.

Please see page 4 for instructions on how to access the OU E report (expected to be available in February) on DTSC's Envirostor database.

OU C and D Feasibility Study

The OU C and D Feasibility Study evaluates and compares remedial alternatives against remedial action objectives set by DTSC for protection of human health and the environment, and relative to nine criteria established by the U.S. Environmental Protection Agency (USEPA) for effectiveness, implementability and other considerations.

Remedial alternatives were developed for 11 of the 31 total AOIs in OUs C and D (17 AOIs need no further action and 3 AOIs were not included because they involve (future) wetlands or stream corridors that will be addressed as part of the OU E Feasibility Study and future restoration activities).

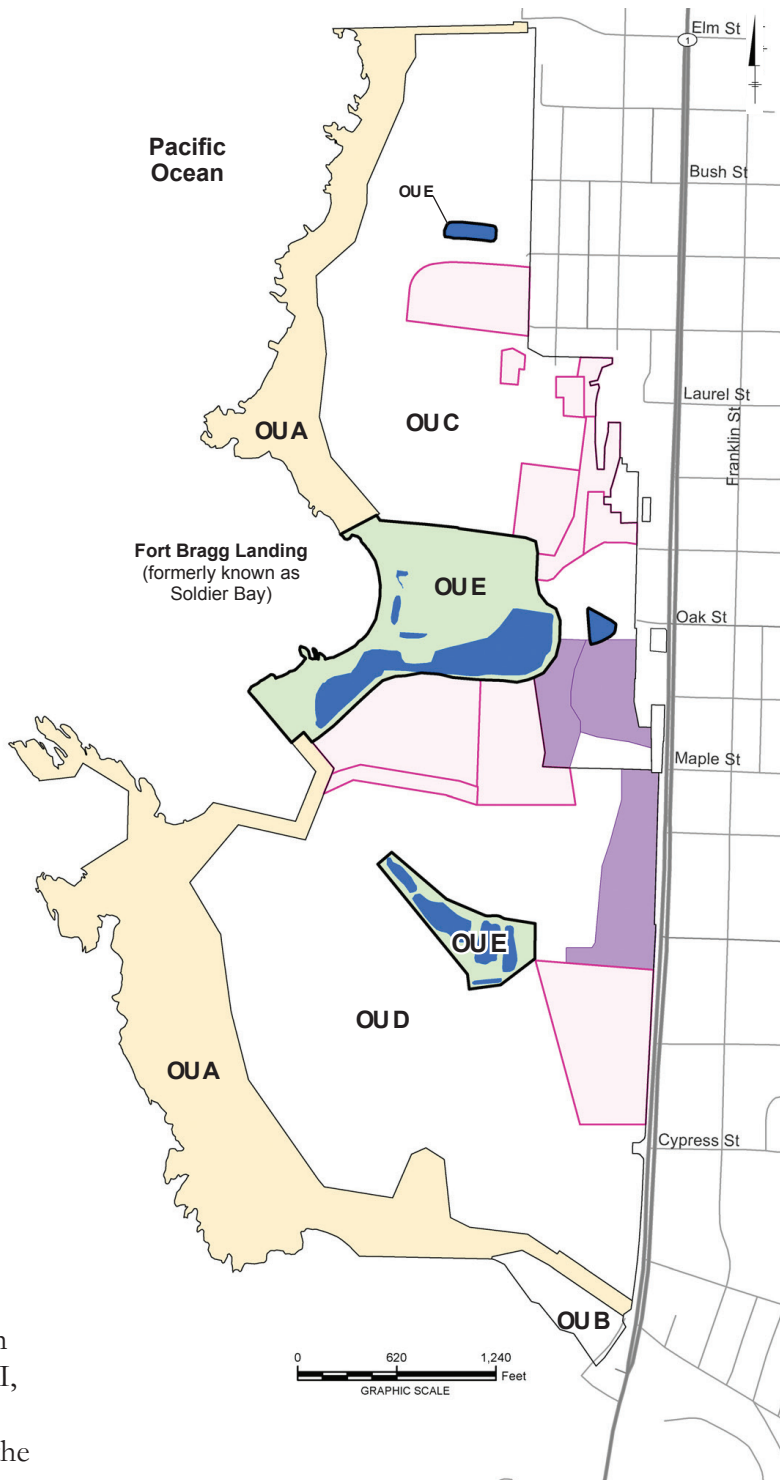
Cleanup approaches for soil, soil vapor and groundwater include the following:

- **No action:** required as a baseline consideration
- **Land use restrictions/controls**
- **Monitored natural attenuation:** reliance on monitored natural processes such as biodegradation and dispersion to reduce the concentration of contaminants
- **Physical containment:** use of barriers to restrict movement or exposure to contaminants
- **In-situ treatment:** reliance on processes that treat or destroy contaminants while in place in the soil or groundwater
- **Removal:** processes that remove contaminated soil or groundwater for treatment and/or disposal

Results of the evaluation indicate a combination of actions recommended for consideration in developing the draft RAP, which is the next step in completing work in OUs C and D.

A combination of soil removal and deed restrictions is recommended to address soil that does not meet criteria for the future land use in each location. Groundwater impacts overall are low and would be managed by monitored natural attenuation.

For detailed descriptions of the evaluation and recommended approach for each AOI, please refer to the Feasibility Study (see page 4 for instructions on how to access the document on the Envirostor database).



The majority of the Mill Site requires no further action and is ready for redevelopment or other appropriate land uses. OU A is complete and was transferred to the City, and three AOIs in OUs C and D (shaded purple) will be evaluated in the OU E Feasibility Study. Remaining AOIs within OUs C and D requiring remedial action are shaded pink, and OU E is shown here shaded green (ponds are blue). Final cleanup plans for these remaining areas will be proposed in the draft RAP expected to be available for public review in 2013.

Legend:

- Areas remediated and ready for redevelopment
- AOIs evaluated in the OU C and D Feasibility Study
- AOIs to be evaluated in the OU E Feasibility Study
- OU E and Mill Pond Complex
- OU A remediated and transferred to City of Ft Bragg
- Pond

Where to Find Documents

While there is no formal public comment period for these new reports, interested persons can review the documents at these locations:

Information Repositories:

Fort Bragg Library

499 East Laurel Street
Fort Bragg, CA 95437
(707) 964-2020

Sunday & Monday: Closed

Tuesday & Thursday: 10:00 a.m. to 6:00 p.m.

Friday & Saturday: 10:00 a.m. to 5:00 p.m.

Wednesday: Noon to 8:00 p.m.

Fort Bragg City Hall

Planning Counter
416 N. Franklin Street
Fort Bragg, CA 95437
(707) 961-2823

Monday through Friday: 9:00 a.m. to 5:00 p.m.

Administrative Record:

Department of Toxic Substances Control
700 Heinz Avenue
Berkeley, CA 94710-2721
(510) 540-3800 (please call for an appointment)
Monday through Friday: 8:00 a.m. to 5:00 p.m.

Envirostor Internet Site:

Georgia-Pacific Mill Site documents are also available through DTSC's Envirostor Database.

1. Go to www.envirostor.dtsc.ca.gov
2. Select **Site/Facility**, search under Tools on left side of page
3. Enter **Georgia-Pacific** for facility and **Fort Bragg** for city
4. Click on **Get Report**
5. Click on **Report** on left side of page
6. Select the **Community Involvement** tab
7. Scroll down to **Project Related Documents**
8. Click on **View Docs** to open documents

Who to Contact for Information

We appreciate hearing from the community and welcome your involvement. For more information or if you have questions about the project, please contact:

Tom Lanphar

DTSC Project Manager
700 Heinz Avenue, Suite 100
Berkeley, California 94710
(510) 540-3776

TLanphar@dtsc.ca.gov

You may also contact:

Nathan Shumacher

DTSC Public Participation Specialist
8800 Cal Center Drive
Sacramento, California 95826
(916) 255-3650, toll free at 1-866-495-5651

NShumac@dtsc.ca.gov

For media inquiries, please contact:

Jeanne Garcia

DTSC Public Information Officer
(818) 717-6573

JGarcia1@dtsc.ca.gov

For more information about the Mill Site, visit the project website at www.fortbraggmillsite.com to read project highlights and access other resources.

Notice to Hearing Impaired Individuals

TDD users can get information about the Mill Site by using the California State Relay Service at (888) 877-5378. Ask the representative to contact Nathan Schumacher, DTSC Public Participation Specialist, regarding the Georgia-Pacific Mill Site.

ANNUNCIO

Si prefiere hablar con alguien en español acerca de ésta información, favor de llamar a Jesus Cruz, Departamento de Control de Substancias Tóxicas. El número de teléfono es 1-866-495-5651.