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

Fact Sheet, March 2008

The Interim Action Remedial Action Plan (IA RAP) for the Former Georgia-Pacific Mill Site is Available for Review

The draft Interim Action Remedial Action Plan (IA RAP) for portions of Operable Unit C (OU-C) and Operable Unit E (OU-E) of the former Georgia-Pacific Mill Site located at 90 West Redwood Avenue, Fort Bragg, Mendocino County, California is now available for public review and comment. The draft IA RAP describes the proposed remedial alternatives to address soil and groundwater contaminated with petroleum hydrocarbons in portions of these areas.

The Department of Toxic Substances Control (DTSC) encouages you to review and comment on the draft IA RAP. Comments may be provided at the upcoming Public Meeting, via the telephone, e-mail, or US Postal Service. Contact information is listed in the box below and located on page 4 of the fact sheet.

There is no immediate health risk because the public is not exposed to contaminated soil or groundwater. However, because investigations indicate the presence of contaminants in soil and groundwater at concentrations that could pose a potential risk to human health and the environment, a cleanup plan has been prepared. DTSC will oversee the IA RAP and ensure that they are performed in a manner that does not harm the public or the environment. The cleanup plan is considered "interim" as the actions

PUBLIC MEETING

The Department of Toxic Substances Control will hold a Public Meeting to discuss and receive your comments on the draft Remedial Action Plan. The meeting is scheduled for **March 26, 2008** from **7:00 p.m to 9:00 p.m.** at the following location:

Redwood Elementary School
324 South Lincoln Street
Fort Bragg, California 95437

PUBLIC COMMENT PERIOD - March 13 to April 14, 2008

Submit comments to:

Edgardo Gillera, Project Manager
Department of Toxic Substances Control
700 Heinz Avenue
Berkeley, CA 94710-2721
EGillera@dtsc.ca.gov

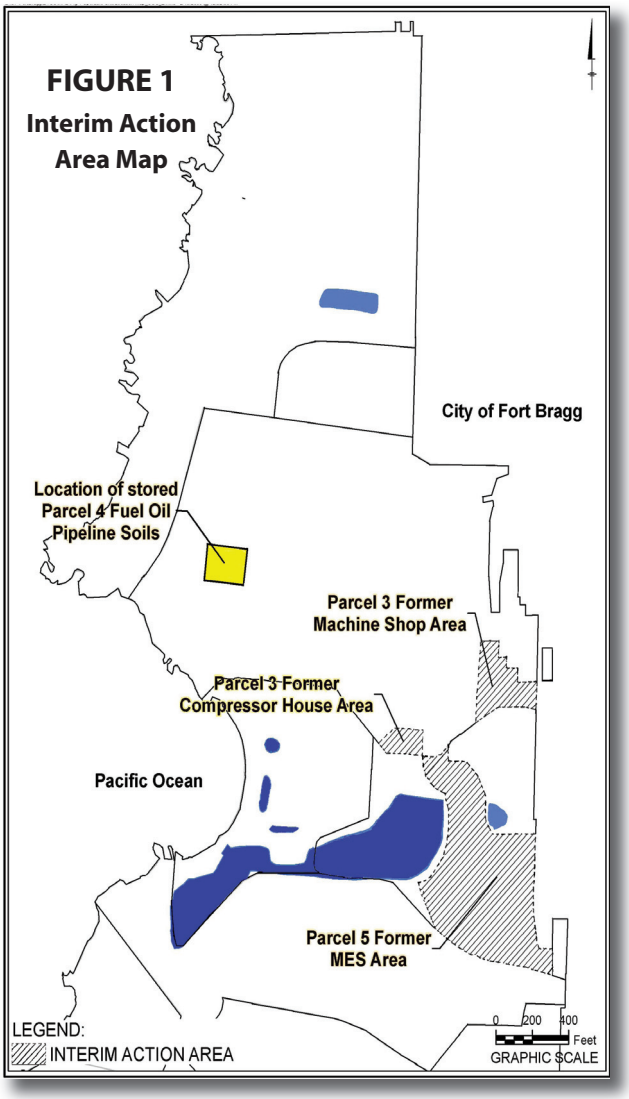
Comments mailed must be postmarked by the deadline date of **April 14, 2008** and comments e-mail, faxed, or telephoned must be received no later than **5:00 p.m.** that same day. For additional information, please contact Edgardo Gillera at (510) 540-3826 or fax at (510) 540-3819.

recommended are meant to begin the cleanup of these areas. Other characterization and/or cleanup activities will be required for the remainder of OU-C and OU-E. The IAs primarily address areas where there is contamination in the groundwater associated with petroleum-contaminated soil that is in contact with groundwater.

History and Operations at the Site

Sawmill operations began at the site in 1885. Georgia-Pacific acquired the site in 1973 and stopped lumber production in 2002. The IA RAP addresses the following four areas of concern (AOCs): (Areas shown on the Figure 1 - Interin Action Areas.)

- Parcel 3 Former Machine Shop Area
- Parcel 3 Former Compressor House Area
- Parcel 5 Former MES Area
- Parcel 4 Fuel Oil Pipeline Area and Truck Loading Shed



Historic operations that may have contributed to impacts in these AOCs include fuel dispensing, petroleum and chemical storage, and equipment maintenance, repair, storage, and washing.

Environmental Investigations

Site investigations within these AOCs have been ongoing since 2002. Samples were collected and analyzed to delineate soil and groundwater impacts. Based on data for these areas, IAs have been identified to primarily address petroleum-related compounds where contaminated soil is in contact with groundwater. During the IA, small areas of soil containing metals and polychlorinated biphenyls (PCBs) will also be addressed. These areas will be further investigated and/or addressed after the IAs are complete.

In 2007, soil was excavated from Parcel 3 Former MES Area and treated with nitrogen and phosphorous onsite as part of a bioremediation pilot study to evaluate land treatment as a remedial option. With the pilot study's completion, the successfully treated soil was returned to the excavation area and the area was revegetated.

In 2007, a Fuel Oil Pipeline was removed from Parcel 4 and the excavated petroleum-contaminated soil was stockpiled onsite in the Truck Loading Shed (Shed). That soil remains stockpiled in the Shed and treated this year as part of the IA activities.

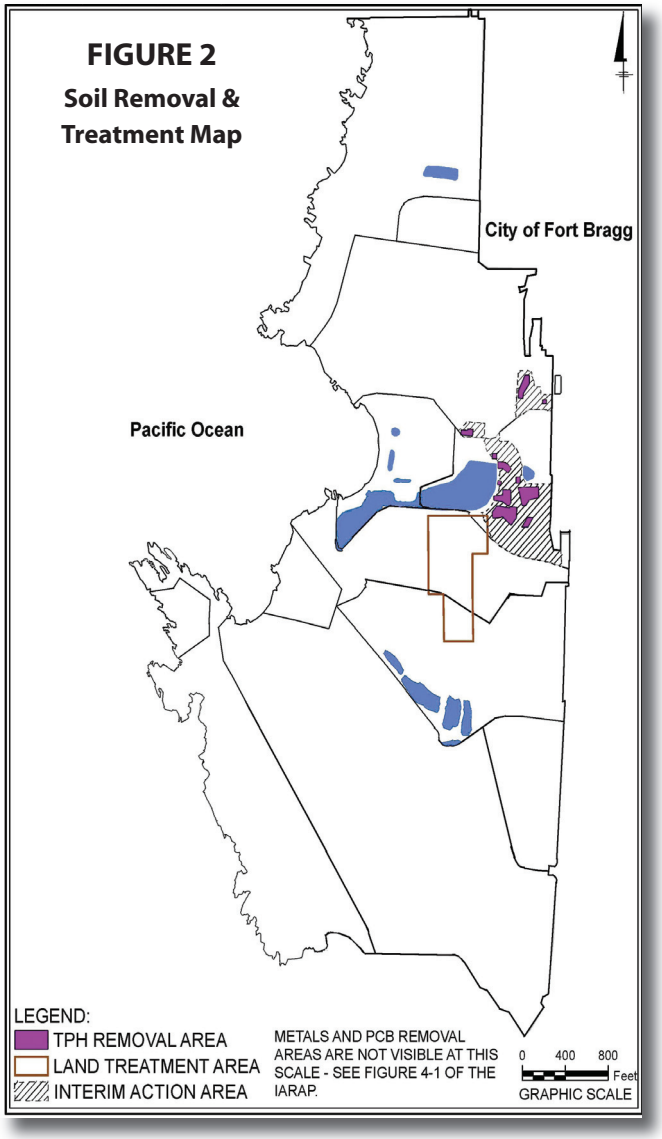
Proposed Cleanup Options

The cleanup options (also known as remedial alternatives) evaluated in the draft IA RAP are:

- No Action;
- Land Use Restrictions/Controls;
- Soil Removal with Offsite Disposal;
- Soil Removal with Land Treatment;
- Soil Removal with Offsite Disposal and Land Treatment; or
- In-Situ Groundwater Treatment

Based on careful analysis of the options (see the IA RAP, Sections 4 & 5) the following alternatives are recommended for the IA areas because they protect human health and the environment, and are permanent and economically feasible remedies.

If the selected alternative for Parcel 3 AOCs in the Soil Removal with Offsite Disposal and Land Treatment, soil contaminated with metals and PCBs will be excavated, loaded into trucks, and transported to the appropriate offsite disposal facility. Approximately 155-cubic yards of metals-and PCB-contaminated soil will be excavated. Approximately 3,795-cubic yards of soil contaminated with petroleum-related compounds will be treated onsite with enhanced bioremediation using nitrogen and phosphorous amendments. (See Figure 2 - Soil Removal and Land Treatment Map.)



The 2007 pilot study demonstrated that bioremediation effectively reduces petroleum-related compounds in soil. Once it has been determined that the treated soil has met site remediation goals, the soil will be used as backfill for the excavation areas.

The areas will then be regraded and revegetated after remediation is complete.

The method described above will also be utilized to remediate the petroleum-contaminated soils in the AOC of Parcel 5 and the stored Fuel Oil Pipeline soils currently stockpiled in the Shed within Parcel 4.

In-situ groundwater treatment is proposed to be conducted for all excavation areas where groundwater is encountered and investigations have shown that groundwater in those excavations is contaminated with petroleum-related compounds. The larger excavations areas will first be treated by supplying oxygen and nutrients to exposed groundwater at the bottom of some excavation areas. The presence of oxygen will speed up the biodegradation of petroleum-related compounds. Additionally, an oxygen-releasing material (i.e., a chemical oxidant that also supplies oxygen to the groundwater and enhances biodegradation) will be added to all excavation areas that contain residual petroleum hydrocarbons prior to backfilling. A monitoring plan will be developed to evaluate the effectiveness of the remedial action.

Safety and Dust Control During Cleanup

The following actions will be implemented during this process to ensure public safety and minimize dust:

- Driving all vehicles at slow speeds while on the property
- Spraying of work areas, stockpiles and roadways with clean water to control dust
- Securing trucks with covers before they leave the site
- Truck tires entering and existing the site will be brushed to remove soils and debris
- Monitoring the air at the site to ensure the amount of dust stays at safe levels

Proposed Transportation Route for Trucks

Approximately 1,100-cubic yards of lead- and PCB-contaminated soil will be removed and taken offsite for disposal. It will take about 12 truckloads to remove the contaminated soil from the site.

Trucks will leave the site via Hwy 20. Disposal facilities are state licensed and approved. This work will be limited to the hours between 6:00 am and 1:00 pm daily.

California Environmental Quality Act (CEQA)

In compliance with CEQA, DTSC has prepared an Initial Study to evaluate the potential impacts of the proposed project on the environment. The findings of the Initial Study indicate that the project should not have a significant effect on public health or the environment. Therefore, DTSC has prepared a proposed Negative Declaration for the IA RAP interim actions. Both the Initial Study and proposed Negative Declaration are also available for review and comment during the public comment period.

Next Steps

At the end of the public comment period, DTSC will review, respond to public comments, and make any necessary revisions to the draft IA RAP prior to the final approval. Also DTSC will be prepared the Response to Comments document and mail a copy to those who provided comments or requested to receive a copy.

The cleanup will occur over two years (from April 2008 to October 2008 and again in 2009). After the cleanup is done, Georgia-Pacific will conduct testing to confirm cleanup goals have been reached and submit a Completion Report to DTSC for review and approval.

Where to Find the Documents

The draft RAP and other site-related documents are available for review at the following locations:

Information Repository:
Fort Bragg Library
499 East Laurel Street
Fort Bragg, CA 95437
(707) 964-2020
Sunday & Monday: Closed
Tuesday & Thursday: 10:00 am to 6:00 pm
Friday & Saturday: 10:00 am to 5:00 pm
Wednesday: Noon to 8:00 pm

Fort Bragg City Hall
Planning Counter
416 N. Franklin Street
Fort Bragg, CA 95437
(707) 961-2823
Monday through Friday: 9:00 am to 5:00 pm

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 am to 5:00 pm

Georgia-Pacific Site documents are also available through DTSC's Envirostor Database at www.envirostor.dtsc.ca.gov. A computer is available in the DTSC file room for your use.

Who to Contact for Information

We appreciate hearing from the community and welcome your questions and concerns. For more information or questions regarding this fact sheet, the draft IA RAP, or the Georgia-Pacific Mill Site overall, please contact:

Edgardo Gillera
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(510) 540-3826
EGillera@dtsc.ca.gov

Public Participation Inguiries
Ms. Joyce Whiten
Public Participation Supervisor
Public Participation Branch
(916) 255-6684
1-866-495-5651 toll free
JWhiten@dtsc.ca.gov

Media Inquiries:
Ms. Jeanne Garcia
DTSC Public Information Officer
(818) 771-6573
JGarcia1@dtsc.ca.gov

NOTICE TO HEARING-IMPAIRED INDIVIDUALS

You can obtain additional information about the site by using the California State Relay Service at 1 (888) 877 5378 (TDD). Ask to speak with Joyce Whiten regarding the Georgia-Pacific Fort Bragg Mill Site project at (916) 255-6684.

ANNUCIO

Si prefiere hablar con alguien en español acerca de ésta información, favor de llamar a Jacinto Soto, Departamento de Control de Substancias Tóxicas. El número de teléfono es 510-540-3842.

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IF YOU WOULD LIKE TO BE ADDED OR REMOVED FROM DTSC'S GEORGIA-PACIFIC MAILING LIST, COMPLETE AND RETURN THE COUPON BELOW

Use this Coupon to be added to or removed from the Georgia-Pacific Mailing List. Make sure to mark either the addition or the deletion box below. Send your completed coupon to:

Laura Helfrich, Executive Assistant, DTSC,
8800 Cal Center Drive, 3rd Floor, Sacramento, CA 95826.

NAME: _____

ADDRESS: _____

CITY: _____ *STATE:* _____ *ZIP CODE:* _____

You can also be added or removed by sending a request via email to Laura Helfrich at Lhelfric@dtsc.ca.gov. Please make sure to include the information requested above.

☐ **Please Add Me** ☐ **Please Remove Me**