



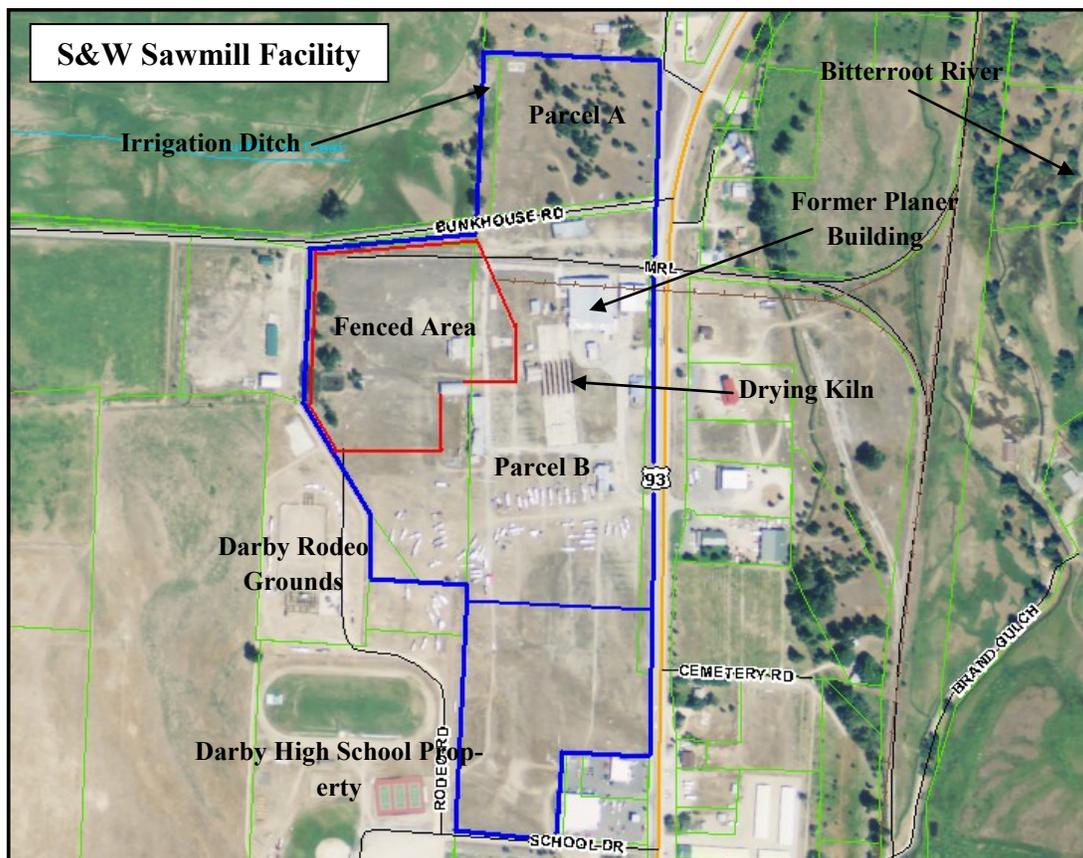
S&W FACILITY FACILITY UPDATE

STATE SUPERFUND UNIT

DECEMBER 2014

Background

The S&W Sawmill Facility, located approximately 1/2 mile north of the City of Darby at the intersection of US Highway 93 and Bunkhouse Road, is shown on the map below. The S&W Sawmill Facility is being addressed by the Montana Department of Environmental Quality (DEQ) under the authority of the state Superfund law, CECRA. International Paper (IP) is designated as the lead liable party for remediation, or cleanup, of the Facility. From approximately 1961 to 1998, portions of the Facility operated as a sawmill. From approximately 1961 to 1978, portions of the Facility also operated as a wood treatment plant that used the chemical pentachlorophenol (PCP) mixed with diesel as a wood preservative. The chemical mixture and its by-products (dioxins/furans) have contaminated the soil and groundwater at the Facility. The former Facility is currently not in use.



Contaminated Areas

The major contaminants of concern are PCP and dioxins/furans. IP completed a remedial investigation (RI) in November 2004 and confirmed contamination in both the soils and the groundwater. IP concluded a supplemental RI in September 2012. It focused on surface soils throughout the Facility and surrounding residential and commercial properties. The fenced area of the Facility contains the heaviest contamination of soils, with the groundwater plume stretching from the fenced area to properties across US Highway 93.

S&W Sawmill Facility Update

STATE SUPERFUND UNIT

DECEMBER 2014

Recent Activities - 2012 through 2014

On-Going Groundwater Monitoring: IP evaluates the groundwater plume twice a year through the sampling of 28 groundwater monitoring wells. Five of these wells are residential drinking wells east of the Facility.

Irrigation Ditch Investigation: IP conducted a dioxin/furan investigation of the irrigation ditch running north away from the Facility. High levels of dioxins/furans were discovered in the ditch and sampling was performed between the northern boundary of the Facility (Parcel A) and Moles Lane. In total, approximately 2000 feet of the irrigation ditch was sampled. DEQ approved of IP's report documenting this investigation in October 2012, entitled Drainage Ditch Soil Sampling Investigation—April and May 2012.

Baseline Risk Assessment: In August 2014, IP submitted the Final Baseline Risk Assessment (BRA) to DEQ. A risk assessment is intended to estimate potential human health and environmental risks posed by current and potential future conditions assuming no further remediation of the Facility. This risk assessment calculated and documented the clean-up levels of soil, groundwater, and soil vapor to protect human health and the environment.

Fate and Transport Study: On March 7, 2014, IP submitted the Fate and Transport Data Package to DEQ. This document included details of the soil collection activities to obtain fate and transport data in October 2013. After DEQ approved the data package, IP submitted the March 21, 2014 Fate and Transport Study Work Plan (Work Plan) and the September 12, 2014 Fate and Transport Study Model Parameters Technical Memorandum (FTMP Memo). The Work Plan detailed the methods to be employed in modeling and calculating fate and transport clean-up levels. The FTMP Memo provided DEQ with the actual values of different model parameters that would be inputted into the fate and transport model conducted by IP. DEQ approved of these documents on October 6, 2014, and instructed IP to proceed with performing the modeling and submitting a Fate and Transport Study Report to DEQ. The main objective of the Fate and Transport Study is to develop facility-specific soil clean-up levels for the protection of groundwater. It is anticipated that this Study will be completed by the end of 2015.

Future Activities

With the expectation that the Fate and Transport Report will be completed in 2015, DEQ will require IP to build on this completed task and begin developing and evaluating remedial alternatives, to be documented in the Feasibility Study, during 2016.



If you have questions, please contact:

Robert Roll
DEQ - Remediation Division
P.O. Box 200901
Helena, MT 59620-0901
406-444-6438
rroll@mt.gov

For more information about the Facility, please visit:

<http://www.deq.mt.gov/StateSuperfund/swsawmill.mcp>