

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Samoa Pulp Mill - Removal Polrep  
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IX

**Subject:** POLREP #21  
Final Polrep  
Samoa Pulp Mill  
A949  
Samoa, CA  
Latitude: 40.8049600 Longitude: -124.1933100

**To:** Harry Allen, EPA Region 9  
Peter Guria, EPA Region 9  
Dan Meer, EPA Region 9

**From:** Christopher Weden, OSC

**Date:** 6/9/2016

**Reporting Period:** 5/31-6/10/2016

1. Introduction

1.1 Background

<b>Site Number:</b>	A949	<b>Contract Number:</b>	EP-S9-12-01
<b>D.O. Number:</b>	0937	<b>Action Memo Date:</b>	7/30/2014
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	Emergency
<b>Response Lead:</b>	EPA	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	9/30/2013	<b>Start Date:</b>	10/1/2013
<b>Demob Date:</b>		<b>Completion Date:</b>	6/30/2016
<b>CERCLIS ID:</b>		<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

1.1.1 Incident Category

Emergency Response

1.1.2 Site Description

The Samoa Pulp Mill Site is a 70 acre former industrial pulp manufacturing facility. The pulp mill was constructed in 1963 by Georgia Pacific. In the early 1970's Louisiana Pacific acquired and ran the facility until 1990. From 1990 until 2008 various smaller groups owned and operated the facility. The last operating owner of the facility was the Evergreen Pulp Company which ran the facility until 2008. Evergreen experienced financial difficulties and "walked away" from the mill site without properly closing operations.

Sometime in 2009 a venture group called Freshwater Tissue Company purchased the facility site with intent of converting to a tissue mill. This quickly failed to reach fruition and Freshwater began scrapping the facility and consolidating hazardous waste. In August of 2013 Freshwater Tissue Company sold the facility to the Humboldt Bay Harbor, Recreation, and Conservation District (the "Harbor District"). The facility is currently staffed with 2 part-time Humboldt Bay Harbor District employees.

1.1.2.1 Location

The Samoa Pulp Mill Site is located within Humboldt County in Samoa, CA. The Site is approximately 70 acres of industrial pulp processing operations and is situated on the North Spit of Humboldt Bay. The facility is on the shore line of Humboldt Bay and has an industrial wharf on the Bay. The Pacific Ocean is located within 800 yds to the west of the facility.

1.1.2.2 Description of Threat

The primary concern was 11 ASTs containing approximately 3 million gallons of highly caustic liquids (pH greater than 13). Five of these ASTs were not designed to store caustic liquids and periodic seismic activity (6.8 earthquake occurred off coast of Humboldt Co. 3/9/2014) caused grave concern regarding their stability. Additionally, there were a half dozen ASTs containing 2000-3000 gallons of sulfuric acid (pH less than 1), 3,000 tons of corrosive sludges in uncontained areas, approximately 3000 gallons of turpentine, and several thousand containers of various types (i.e., compressed gas cylinders, paints/thinners, mercury

containing gauges and equipment).

### 1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Please refer to previous Polreps

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

The first five tanks of pulping liquor transferred for reuse were the tiled concrete tanks (Tile Tanks). These tanks were never intended to store the black and green pulping liquors that were transferred into them by Freshwater Tissue Company. The decision to start with these tanks was based on a 6.8 magnitude earthquake that occurred off the coast of Humboldt County on March 10, 2014 (see Polrep 7) and the fact that this earthquake had caused more cracks and resultant leaks. Once the Tile Tanks were emptied our contractor began moving liquors from the remaining tanks that were constructed of steel. The Tile Tanks were never cleaned of the pulp slurry residue.

The tops of the Tile Tanks are made of fiberglass and are in various states of decay and disrepair. This allowed rainwater in and over the course of the past two years, several feet of rainwater accumulated inside them. The pH of the contaminated rainwater was approximately 11-12. This rainwater was neutralized with citric acid and sprayed around the southwest corner of the site.

The pH of the pulp slurry that remains in the Tile Tanks is 7-9 and is non-hazardous waste.

#### 2.1.2 Response Actions to Date

#### 2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

An Agreement on Consent with the Harbor District was signed in early 2015.

#### 2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>	<i>Recycled</i>
Pulping Liquors	liquids	3M gallons				3 million gallons. Kapstone Paper Company, Longview, WA
Sulfuric Acid - Re-usable	liquids	6k gallons				Purchased by Valley Acid, Stratford, CA (11/13)
Sulfuric Acid - Waste	liquids	4k gallons		x	x	21st Century Environmental Management of CA, LP
Hydrochloric Acid - Waste	liquids	2,100 gallons	011138259 JJK	x	x	
Non-hazardous corrosive sludges	solidified	7109 tons			x	Recology, Vacaville, CA Subtitle D facility
Turpentine	liquids	3k gallons				
Lab Chemicals	various	~2k containers	0000990296DAT	x	x	21st Century Environmental Management of CA, LP
"HHW" type	various	~2k containers				See "Disposal Table March 15-19, 2016" in Document section of webpage
Hg debris	solid	2 drums of debris	On file			Clean Harbors

Waste oils	liquids	~2k gallons				~200 gallons removed by Asbury Environmental for recycling
Hg elemental	liquid	250 lbs				Retired at Bethlehem Apparatus via Stericycle
Hazardous corrosive sludges	solidified	~3500 tons				US Ecology - Beatty, NV and Kettleman Hills
Non-hazardous corrosive liquids	liquid	45,968 gallons				US Ecology - Beatty, NV
Hazardous corrosive liquids	liquid	105,198 gallons				US Ecology - Beatty, NV
Sulfuric acid tank bottoms	sludge	14 over-packed drums				Clean Harbors
Steel		3464 tons				Recycled at SIMS Metals in Richmond, CA
Stainless Steel		84 tons				Recycled at SIMS Metals in Richmond, CA

## 2.2 Planning Section

No further action planned.

## 2.3 Logistics Section

No information available at this time.

## 2.4 Finance Section

### 2.4.1 Narrative

On July 30, 2014, the Assistant Administrator for the Office of Solid Waste and Emergency Response, Mathy Stanislaus, approved an exemption of the \$6 million ceiling and 12 month statutory limits for this removal action. The period of performance was extended through March 31, 2015 and the Project Ceiling (eligible for cost recovery) was increased to 15,340,396. Of this, an estimated \$10,260,000 is for extramural costs.

On April 22, 2015, a Task Order Amendment was submitted to increase the ERRS ceiling by \$1,221,000. This would raise the ERRS ceiling to \$7,560,604 (within the approved ceiling described above). Additionally, this TO extended the period of performance to 9/30/2015. On June 5, 2015, a Task Order Amendment was submitted to increase the ERRS ceiling by \$867,000. Later, in this fiscal year an additional \$75,000 was added. Prior to this final action, \$25,000 was added based on worst case cost estimate. This raised the ERRS ceiling to \$8,527,604 (within the approved ceiling described above).

### Estimated Costs \*

	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$8,527,604.00	\$8,187,404.13	\$340,199.87	3.99%
START 3	\$300,000.00	\$60,000.00	\$240,000.00	80.00%
USCG PST	\$440,000.00	\$395,000.00	\$45,000.00	10.23%
START 4	\$75,852.00	\$42,176.62	\$33,675.38	44.40%
<b>Intramural Costs</b>				
USEPA - Direct	\$250,000.00	\$200,000.00	\$50,000.00	20.00%
USEPA - InDirect	\$4,830,396.00	\$0.00	\$4,830,396.00	100.00%

<b>Total Site Costs</b>	\$14,423,852.00	\$8,884,580.75	\$5,539,271.25	38.40%
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\* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

**2.5 Other Command Staff**

No information available at this time.

**3. Participating Entities**

**3.1 Unified Command**

USEPA Federal On-Scene Coordinator

**3.2 Cooperating Agencies**

Humboldt Bay Harbor District

Samoa Volunteer FD

**4. Personnel On Site**

At the end of this reporting period after various demobilizations.

1 - OSC

2 - PST

1 - HBHD

7 - ERRS (5 - EQM, 2 - Global )

**5. Definition of Terms**

No information available at this time.

**6. Additional sources of information**

No information available at this time.

**7. Situational Reference Materials**

No information available at this time.