

United States Environmental Protection Agency
Region IV
POLLUTION REPORT

Date: Tuesday, August 9, 2011
From: Terry Stilman, On Scene Coordinator

Subject: Slag Processing
Gulf States Steel
2800 Norris Ave, Gadsden, AL
Latitude: 34.0119000
Longitude: -86.0469000

POLREP No.:	32	Site #:	A499
Reporting Period:		D.O. #:	
Start Date:	8/1/2007	Response Authority:	CERCLA
Mob Date:	8/1/2007	Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:	ALD004014973	Contract #	
RCRIS ID #:			

Site Description

A Time-Critical Removal Action began in September 2009 to address the hazards associated with the former Gulf State Steel Powerhouse, lagoons and Slag Piles.

Remaining removal activities: Slag pile processing, remaining waste lagoon management (2) and slag pile landfill creation. The slag piles are the source of continued release of characteristic hazardous waste. The caustic leachate containing pH values as high as 12.5 from the slag piles is directly discharging into Black Creek, an adjacent wetland area, and a residential neighborhood from drainage ditches outside the Site fence. Sloughing of slag from the piles has been observed on both the northern and southern piles. The sloughing allows for the production of more leachate due to the increase in surface area of new unweathered slag.

Current Activities

Slag processing from both the North and South piles continues. Material from both piles is transported to two on-site processing facilities for separation. Recyclable material is transported off-site. Non-recyclable material is moved to an area close to the North pile for consolidation in an on-Site Landfill and capping to halt the further production of high pH leachate.

Leachate coming from slag piles is currently being monitored for pH. pH ranges from 9 to 12.5. Air monitoring for particulates is also conducted during operations.

ERRS continues to demobe equipment to allow for increased operation by the subcontractor HARSCO.

Material is dewatered if necessary before processing. Dust control continues.

Operation of processing at two plants (north and south) continues.

USCG GST on-site to assist with ERRS and START contractor oversight, including the operation of Data-rams for air monitoring.

OSC Terrence Byrd has assumed oversight of the Site as of August 9, 2011.

Planned Removal Actions

Slag screening, reclamation and leachate reduction operations will continue.

Additional sources for recycling of A, B and C fines continues to be sought.

To date slag pile totals:

Recycled non ferrous and ferrous for slag piles 216,031,434 lb

Materials awaiting shipment off-site, A-50 tons, B-1500 tons, C-325,000 tons

To date 50-52% of North pile has been processed

To date 17-19% of South pile has been processed

Next Steps

EPA will investigate potential actions to stabilize the remaining two waste lagoons.

START has drafted a waste lagoon and creek sampling plan. Upon finalization, the plan will be implemented.

EPA will also develop a final landfill management plan.

Key Issues

On August 9, 2011, OSC Terrence Byrd assumed the oversight role for the activities at the Gulf State Steel Site.

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