ORIGINAL

Site Assessment
SEMS Data Entry/Decision Form
EPA Region III

Site Name: Libbey Owens Ford Plant **Site Alias:**

Site ID#: 0302915 **DSN/State ID:** WV-128 **SSID/Spill ID:** A3NF **EPA ID#:** WVD005008412 **RCRA ID#:**

Site-Level Data

Modify SEMS Site Information: *(Enter the Site or Action Level updates required)*

Please unarchive site, add SRA action, and update non-NPL status.

☐ *Add* ☐ *Edit* *Latitude/Longitude Values:* *Lat: +* *Long: -*

Non-NPL Status: *(verify with list of valid NPL/Non-NPL values)* SI Start Needed (SS) **Status Change Date:** Feb 5, 2019

Merge Site/Aggregate Site: **Parent Site ID:**

(When merging or aggregating a site, identify Parent/Child relationship)

☐ **Final Assessment Decision (FAD)** *(can this site be archived?)* **FAD Date:**

☐ **Archive** *(Check that there are No Prohibited Open Actions before Archiving)* **Archive Date:**

☑ **Unarchive** *(Document to Site File)* **Unarchive Date:** Jan 24, 2018

☐ **ERS Exclusion** *(An ERS Exclusion Determination Form must be completed)* **ERS Exclusion Date:**

☐ **NFFA (No Further Federal Action)** **NFFA Date:**

☐ **Special Initiatives:**

- ☐ **Environmental Justice (EJ)** **Watershed Initiative Area:** Not Applicable
- ☐ **Military Munitions Response Program (MMRP) (MM)**
- ☐ **RCRA Deferral: (Check One)** ◯ Lead Confirmed (RB) ◯ New Decision (RC) ◯ Further Superfund Assessment (RE)
- ☐ **Smelter Site: (Check One)** ◯ Smelter Activities ◯ Unrecognized Smelter per 2001 Report

Action-Level Data

Remedial Site Assessments (RSAD/GPRA Target)

Action Name *Completion dates entered on the Actions designated below will count towards the RSAD/GPRA Target	Lead *If referred from Removal Program to SA, Discovery date is the date the Referral Decision is made.	Start Date	Compl. Date	Qualifier
Pre-CERCLA Screening (HX)		/ /	/ /	
Preliminary Assessment (PA)		/ /	/ /	
Site Inspection (SI)		/ /	/ /	
Expanded Site Inspection (ESI)		/ /	/ /	
ESI/RI (SS)		/ /	/ /	
HRS Package (HR)		/ /	/ /	
Site Reassessment (OO)	EP	1 /24/18	2 /5 /19	H
Fed Fac PA Review (RX)		/ /	/ /	
Fed Fac SI Review (TY)		/ /	/ /	
Fed Fac ESI Review (TZ)		/ /	/ /	
Discovery (DS)			/ /	
State Deferral (AQ)		/ /	/ /	
Referred from RCRA (XR)		/ /	/ /	
Other Cleanup Activity (VA) *(Enter Subaction below)* ***(For OCA Start, please check FAD box and add FAD date)***		/ /	/ /	
☐ Comprehensive Site Investigation ☐ Remedy Selection ☐ Construction ☐ Trip Report		/ /	/ /	
☐ Post-Construction Maintenance ☐ Design ☐ Short Term Cleanup ☐ Work Plan Submitted				
Laboratory Support (LA) *(add only when using START Contract)*		/ /	/ /	

Start Date - date site is initiated
Completion Date - date site is Archived

Bleiler, Justin — Digitally signed by Bleiler, Justin Date: 2019.02.05 14:21:38 -05'00'	Feb 5, 2019	Anita R. Wright	2/21/19
Site Assessment Manager (SAM) Signature	Date	SA Data Entry/Report QA/QC Signature	Date
YAZMINE YAP-DEFFLER — Digitally signed by YAZMINE YAP-DEFFLER Date: 2019.02.19 09:50:53 -05'00'	Feb 19, 2019		2/21/19
Site Assessment Branch Chief Signature	Date	GPRA/SEMS Data Quality Coordinator (DQC) Signature	Date

SA01 - revised 3/2015

ORIGINAL

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION III

Site Name:	Libbey Owens Ford Plant		
SEMS ID#:	WVD005008412		
DSN:	WV-128		
Alias Site Names:			
City:	Charleston		
County:	Kanawha		
State:	West Virginia		
Watershed Priority Area:	NA		
Refer to Report Dated:	January 24, 2018		
Report Type:	Correspondence		
Report developed by:	EPA/WVDEP		
Site Decision Made by:	Justin Bleiler	**Date:**	2/5/2019

DECISION: H – Higher Priority for further assessment

1. **Further Remedial Site Assessment under CERCLA (Superfund) is not required because:**
   - N - NFRAP No Further Remedial Action Planned
   - A - Addressed as part of an existing NPL site (site will be entered if this is selected)
   - D - Deferred to RCRA
   - B - Addressed as part of another non-NPL site
   - W - Referred to Removal, no further Remedial Assessment
   - DN - Deferred to NRC
   - SA - Recommended as a SF Alternative Site
   - OCA - Other Cleanup Activity: Fed Fac (FF) Private Party Lead (PP) State Lead (OS)

2. **Further Assessment Needed Under CERCLA:**
   - H - Higher Priority for further assessment
   - L - Lower priority for further assessment
   - G - Recommended for HRS Scoring
   - F - Referred to Removal, Needs further Remedial Assessment

DISCUSSION/RATIONALE:

Site History

The Libbey Owens Ford Plant site ("Site") is an approximately 35-acre property in Charleston, Kanawha County, West Virginia where a glass manufacturer operated from 1917 to 1980. Currently, the area is occupied by a mall, supermarket, banks, restaurants, and retail stores. The Site is bound by the Kanawha River to the north and northeast; by a CSX railway to the southwest; by 57th street to the northwest, with residential and commercial properties located further west; and by Interstate 77 to the southeast.

Environmental History

In 1986, a Preliminary Assessment (PA) was conducted which resulted in a no further action qualifier. In 2008, an Executive Summary Report recommended further characterization of contaminants in the groundwater, soil and surface water pathways in order to evaluate the need for removal and/or controls to address waste remaining on-Site. Then, a Site Inspection (SI) completed in 2011 resulted in a decision that the Site would be addressed by the EPA Region 3 Removal program (Removal) with no further action from the Site Assessment program. On January 24, 2018, the West Virginia Department of Environmental Protection (WVDEP) received an inquiry about the Site, which prompted a review of the Site file and questions regarding Removal's involvement. EPA correspondence from January 30, 2018 indicates that the Removal program did not identify a threat warranting Removal action and therefore no sampling or remedial activities were conducted. Based on this information, Site Assessment subsequently reviewed Site documents along with an EPA hydrogeologist and toxicologist. All parties agreed that further groundwater investigation was necessary, with the potential for a subsequent vapor intrusion investigation.

Pathways and Exposure

Groundwater:

The Site requires further characterization to determine groundwater flow direction and the extent of groundwater contamination. This may include the installation of monitoring wells on and/or off-Site. During the 2011 SI, dissolved inorganics, volatile organic compounds (VOCs), and semivolatile organic compounds (SVOCs) were detected in groundwater at concentrations greater than the respective tapwater regional screening level. As of 2013, the nearest drinking water well was located on-Site. Site groundwater is expected at 30 to 40 feet below ground surface and likely flows toward the Kanawha River.

Surface water:

The surface water pathway was not evaluated during the 2011 SI. However, the decision document associated with the 2011 SI states that there were suspected releases via the surface water pathway. This information will be taken into account during future investigative activities. Runoff from the Site drains 2,000 feet then discharges to the Kanawha River, which bounds the Site to the north and northeast. As of 2013, there were no surface water intakes within the 15-mile target distance limit (TDL). At that time, the Site received its drinking water from surface water intakes outside of the TDL. As of 2011, there were no wetlands present at the Site; however, there was a 0.34-acre wetland approximately 3.7 miles downstream and a 2.3-acre wetland approximately 7.1 miles downstream. An online search conducted in February 2019 suggests that fishing takes place within the TDL.

ORIGINAL

Soil:

The Site consists of approximately 35 acres, much of which has been redeveloped for commercial use. During the 2011 SI, inorganics and SVOCs were detected in surface and subsurface soils at concentrations greater than their respective industrial soil benchmark values. The 2018 toxicological evaluation, which was based on data collected during the 2011 SI, concluded that future residential exposure to soils, especially subsurface soils, could exceed acceptable risks. This will be taken into account during future investigative activities.

A vapor intrusion investigation may be necessary pending the results of the planned groundwater investigation.

Air:

Due to the glass manufacturing on-Site, it is possible that releases historically occurred via the air pathway. However, operations ceased in 1980, so ongoing releases via this pathway are not expected.

Decision

Informed by recommendations from an EPA toxicologist, hydrogeologist, and National Priorities List (NPL) Coordinator, as well as a review of the Site file, further investigations are necessary to adequately assess potential threats to human health and the environment. Therefore, a groundwater investigation will be conducted, with the potential for a subsequent vapor intrusion investigation. To reflect this, a "higher priority for further assessment" qualifier will be assigned to the Site and a Site Inspection will be performed.

ORIGINAL

REMEDIAL SITE ASSESSMENT DECISION – EPA Region 03

Site Name: LIBBEY OWENS FORD PLANT
Alias(es): LIBBEY OWENS FORD CO GLASS PLT #1

City: CHARLESTON **County or Parish:** KANAWHA **State:** WV
Refer to Report Dated: 01/24/2018 **EPA ID:** WVD005008412
Report Developed By: STATE **State ID:** WV-128
Report Type: Site Reassessment #002 **Decision Date:** 02/05/2019

☐ **1. Further Remedial Site Assessment Under CERCLA (Superfund) is not required because:**

☑ **2. Further Assessment Needed Under CERCLA.**
Higher priority for further assessment

☐ **3. Remedial study/cleanup needed.**

Decision/Rationale:

Site History

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Decision/Rationale (Continued):

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Site Decision Made By: JUSTIN BLEILER

Signature: _____ **Decision Date:** 02/05/2019