



UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION III
STATEMENT OF BASIS
ABB INC. PRODUCT SUPPORT
GREENSBURG, PENNSYLVANIA
EPA ID NO. PAD082957127

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I. Introduction

A. Facility Name

The United States Environmental Protection Agency (EPA) has prepared this Statement of Basis (SB) for the ABB Inc. Product Support facility (hereinafter referred to as the Facility) located at 231 Theobald Avenue, Greensburg, PA 15601.

The Facility is subject to the Corrective Action program under the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act (RCRA) of 1976, and the Hazardous and Solid Waste Amendments (HSWA) of 1984, 42 U.S.C. Sections 6901 to 6992k. The Corrective Action program is designed to ensure that certain facilities subject to RCRA have investigated and cleaned up any releases of hazardous waste and hazardous constituents that have occurred at their property.

Information on the Corrective Action program as well as a fact sheet for the Facility can be found at <http://www.epa.gov/reg3wcmd/correctiveaction.htm>.

B. Proposed Decision

This SB explains EPA's proposed decision that Corrective Action is complete and no land use controls are required for the Facility. EPA's proposed decision is based on a review of EPA and Pennsylvania Department of Environmental Protection (PADEP) files regarding the environmental history of the Facility as presented in the Final Environmental Indicator (EI) Inspection Report submitted in April 2002. Based on this review, EPA has concluded that there are no current or unaddressed releases of hazardous waste or hazardous constituents from the Facility.

C. Importance of Public Input

Before EPA makes a final decision on its proposal for the Facility, the public may participate in the remedy selection process by reviewing this SB and documents contained in the Administrative Record (AR) for the Facility. The AR contains the complete set of reports that document Facility conditions, including a map of the Facility, in support of EPA's proposed decision. EPA encourages anyone interested to review the AR. The AR is available for public review at the EPA Region III office, the address of which is provided in Section V below.

EPA will address all significant comments received during the public comment period. If EPA determines that new information or public comments warrant a modification to the proposed decision, EPA will modify the proposed decision or select other alternatives based on such new information and/or public comments. EPA will approve its final decision in a document entitled the Final Decision and Response to Comments (FDRTC).

II. Facility Background

The Facility is located at 231 Theobold Avenue in Greensburg, Westmoreland County, Pennsylvania. The Facility is bordered by Theobold Avenue and industrial development to the north, Parr Street (also known as Industrial Avenue or New Street) and Short Street and residential development to the east, Fairview Street and industrial development to the south, and railroad tracks and residential development to the west. The Facility covers approximately six acres.

The Facility currently repairs, maintains, and specialty-tests high-voltage circuit breakers. The Facility had manufactured and plated electrical components since the late 1950s and manufactured high-voltage circuit breakers from the 1980s to 2003, when manufacturing operations moved to a new facility in Mount Pleasant. In 1985, ABB sold the parcels of property north of Theobold Avenue and south of Broad Street to Ronald Repasky of D&R Enterprises, which brought ABB's land holdings down from approximately 17 acres to the current six acres.

III. Summary of Environmental History

An Environmental Priorities Initiative Preliminary Assessment (PA) (February 1991) of the entire Facility was conducted in October 1990 which stated that all wastes currently on-site were adequately contained. An unlined, unauthorized landfill was identified as the primary area of concern since the potential for groundwater contamination existed due to possible past disposal of hazardous wastes into this landfill; however, the only materials confirmed to be disposed in this landfill were non-hazardous (construction/demolition debris and municipal wastes such as concrete, tar shingles, asphalt, scrap metals, wood, plastics). The landfill was located on the parcel south of Broad Street that the Facility sold in 1985. No due diligence was performed at the time of sale.

A Site Inspection (SI) (October 1991) of the two-acre landfill area was performed in March 1991 in order to determine what impact the landfill may have on human health and the environment. Surface soil, subsurface soil, stream sediment, and stream surface water samples were collected (see Figure 1). Detectable levels of polycyclic aromatic hydrocarbons (PAHs) and

polychlorinated biphenyls (PCBs) were found in some soil and sediment samples (see Table 1), and elevated levels of metals were found in surface water samples (see Table 2). All reported concentrations of benzo(a)pyrene and PCBs fall within the acceptable risk range of 10^{-4} to 10^{-6} and do not exceed the Pennsylvania Residential Statewide Health Standard (SHS) Medium-Specific Concentrations (MSCs) of 2500 parts per billion (ppb) for benzo(a)pyrene and 4400 ppb for PCBs (Aroclor 1254).

Table 1

Sample ID	Media	Contaminant	Concentration (ppb)	Estimated Cancer Risk*
SD-1	Creek sediment	Benzo(a)pyrene	330 L	5×10^{-6}
SD-2	Creek sediment	Benzo(a)pyrene	450 J	7×10^{-6}
SD-3	Creek sediment	Benzo(a)pyrene	540	9×10^{-6}
SD-4	Creek sediment	Benzo(a)pyrene	590	10^{-5}
SD-5	Creek sediment	Benzo(a)pyrene	1000	2×10^{-5}
SD-6	Creek sediment	Benzo(a)pyrene	860	10^{-5}
SD-8	Marsh sediment	Benzo(a)pyrene	820	10^{-5}
S-1	Surface soil	Benzo(a)pyrene	240 J	4×10^{-6}
S-2	Surface soil	Benzo(a)pyrene	1400 J	2×10^{-5}
		PCBs	250	3×10^{-6}
S-3	Surface soil	PCBs	250	3×10^{-6}
S(30)-3	30" subsurface	Benzo(a)pyrene	2000	3×10^{-5}
S-5	Surface soil	Benzo(a)pyrene	99 J	2×10^{-6}

* Estimated cancer risk for benzo(a)pyrene represents a reasonable approximation of cancer risks for total PAH mixtures.

J – estimated value

L – estimate biased low

Surface water geochemistry revealed no release of hazardous wastes from the former landfill area; however, surface water samples revealed some metals in excess of Ambient Water Quality Criteria considered protective of aquatic life. Human health is not expected to be adversely affected by these concentrations, but adverse effects on aquatic life cannot be ruled out. However, suspended particulates, especially in drainage ditch samples, may artificially elevate reported metal concentrations and the actual amount of dissolved metals present in these samples may be lower. This situation is highly likely since midstream and downstream samples have significantly lower levels of aluminum, which was also the only contaminant discovered in these samples. Furthermore, it appears that discharge from the site via the drainage ditch does not adversely impact the creek since contaminant concentrations are higher in the sample upstream of the drainage ditch than midstream or downstream samples.

Table 2

Sample ID	Location	Contaminant	Concentration (ppb)	AWQC*
SW-1	Creek upstream	Iron	1860	1000
		Aluminum	856	87
		Lead	5.0	3.2 ¹
SW-2	Creek midstream	Aluminum	262	87

SW-3	Creek downstream of drainage ditch	Aluminum	296	87
SW-4	Creek upstream of drainage ditch	Aluminum	299	87
SW-5	Creek downstream	Aluminum	280	87
SW-6	Drainage ditch	Iron	2770	1000
		Aluminum	1750	87
		Lead	43.7	3.2 ¹
		Cyanide	25.5	5.2
SW-7	Drainage ditch	Aluminum	1330	87
		Lead	12	3.2 ¹

* Ambient Water Quality Criteria, Criterion Continuous Concentration (chronic exposure) used

¹ Hardness-dependent criterion (100 mg/L assumed); value of 3.2 used in 1991 report has been reduced to a current value of 2.5 ppb

In 1994 a RCRA file review and site visit was performed that led to the discovery (apparently known during the PA and SI in 1990-91 but undisclosed) of the sale of the parcels north of Theobald Avenue and south of Broad Street in 1985 to Ronald Repasky. It was noted that the landfill area had been paved over since the PA and SI in 1991. The Project Manager at the time concluded that no corrective action was necessary at the Facility, as 1) there were no immediate threats to public health or the environment, 2) Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) had been adequately assessed through the PA and SI, and 3) there were no releases observed that may have caused a risk to human health or the environment. The landfill parcel was apparently referred back to the Superfund program because it was not presently owned by the Facility and was therefore a non-interim status, non-RCRA, non-permitted facility; however, no action was taken by Superfund due to the negligible human health risk from the low levels of contamination discovered in the landfill area during the SI.

Foster Wheeler Environmental performed an Environmental Indicator Inspection in December 2001 and report in March 2002 to assess whether human exposures to contamination and migration of contaminated groundwater were under control at the Facility. Several SWMUs (5 active and 11 inactive) were reviewed and inspected during this visit. None of the SWMUs exhibited any evidence of spills or past releases, except for a slight sheen that was observed on the standing water in the culvert adjacent to the former landfill. Visual examination of the landfill area revealed no evidence of contaminated soils or groundwater. Findings from this inspection resulted in EPA's determination in May 2002 that both human exposures to any contamination and migration of any contaminated groundwater were under control at the Facility.

IV. Evaluation of EPA's Proposed Decision

EPA has determined that its proposed decision for the Facility is protective of human health and the environment and that no further corrective action or controls are necessary at this time.

V. Public Participation

Interested persons are invited to comment on EPA's proposed decision. The public comment period will last thirty (30) calendar days from the date that notice is published in a local

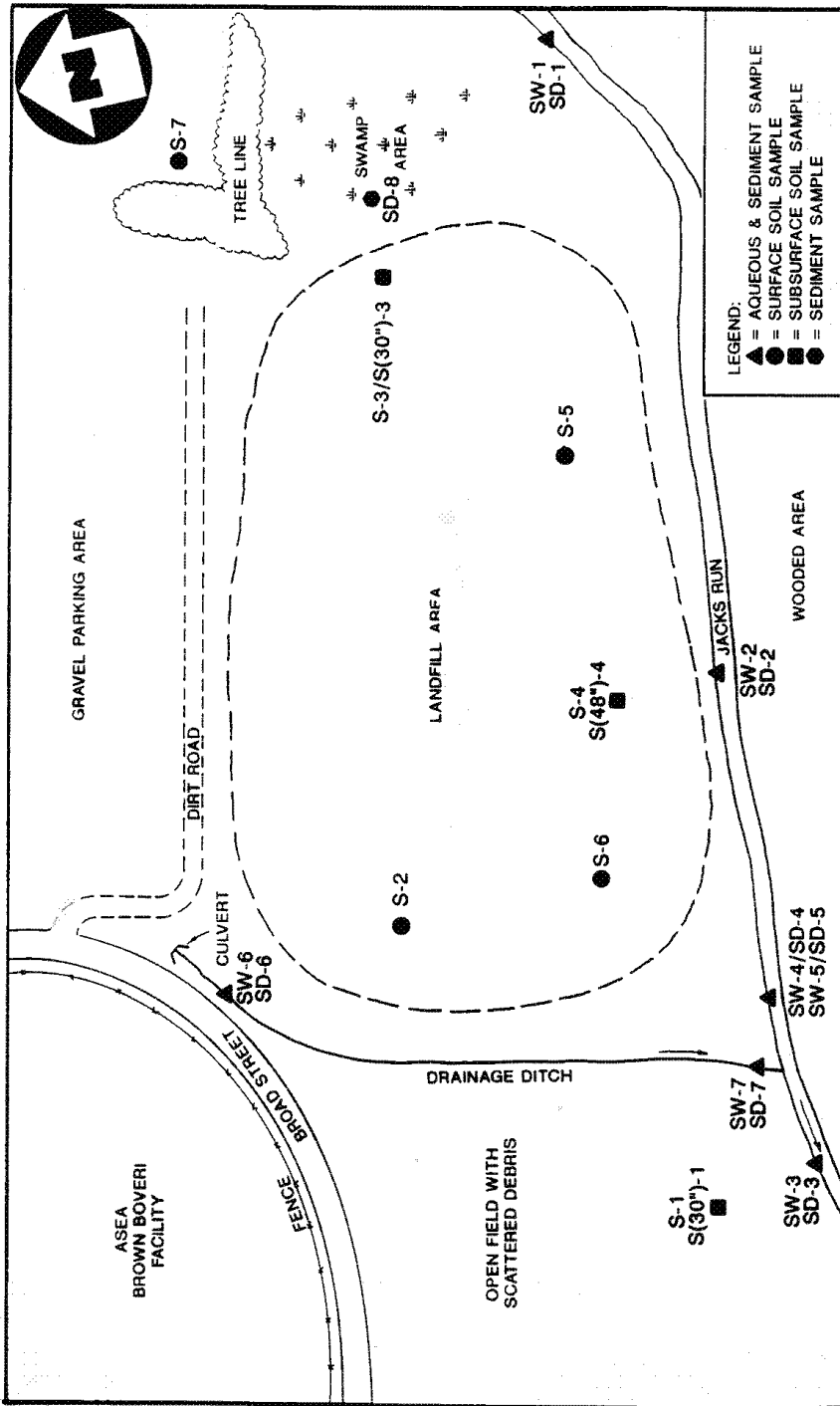
newspaper. Comments may be submitted by mail, fax, e-mail, or phone to Mr. Griff Miller at the address listed below.

A public meeting will be held upon request. Requests for a public meeting should be made to Mr. Griff Miller at the address listed below. A meeting will not be scheduled unless one is requested.

The Administrative Record contains all the information considered by EPA for the proposed decision at this Facility. The Administrative Record is available at the following location:

U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103
Contact: Mr. Griff Miller (3LC30)
Phone: (215) 814-3407
Fax: (215) 814-3113
Email: miller.griff@epa.gov

Figure 1



SAMPLE LOCATION MAP

ASEA BROWN BOVERI, GREENSBURG, PA

(NO SCALE)

FIGURE 5.1

