



UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION III

STATEMENT OF BASIS

ARCONIC
100 TECHNICAL DRIVE
NEW KENSINGTON, PENNSYLVANIA 15069
EPA ID # PAD004393138

Prepared by
Office of Pennsylvania Remediation
Land and Chemicals Division
April 2017

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Section 1: Introduction

The United States Environmental Protection Agency (EPA) has prepared this Statement of Basis (SB) to solicit public comment on its proposed decision for the Arconic facility located at 100 Technical Drive, New Kensington, Westmoreland County, Pennsylvania 15069 (Facility). EPA's review of available information indicates that there are no unaddressed releases of hazardous waste or hazardous constituents from the Facility. Based on that assessment, EPA's proposed decision is that no further investigation or cleanup is required. EPA has determined that its proposed decision is protective of human health and the environment and that no further corrective action or land use controls are necessary at this time. This SB highlights key information relied upon by EPA in making its proposed decision.

The Facility is subject to EPA's 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. §§ 6901 et seq. (Corrective Action Program). 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. The Commonwealth of Pennsylvania (Commonwealth) is not authorized for the Corrective Action Program under Section 3006 of RCRA. Therefore, EPA retains primary authority in the Commonwealth for the Corrective Action Program.

The Administrative Record (AR) for the Facility contains all documents, including data and quality assurance information, on which EPA's proposed decision is based. See Section 5, Public Participation, for information on how you may review the AR.

Section 2: Facility Background

The Arconic facility is a 1642-acre parcel located in New Kensington, Westmoreland County, Pennsylvania. Currently the Facility uses 125-acres of the 1642-acres for, research and technical development. The remainder of the land is undeveloped (See Figure 1).

In 1965, Alcoa Inc. began the construction and operation of a research facility on a portion of the property. On November 1, 2016, Alcoa Inc. spun-off its mining, refining and aluminum smelting operations into a separate company called Alcoa Corporation. What was left of Alcoa Inc. following the spin-off was a high-tech manufacturer of aluminum and specialty metals products that was renamed Arconic Inc. Arconic Inc. (formerly named Alcoa Inc.) and Alcoa Corporation now exist as two separate, publicly-traded companies. As part of the spin-off, some land and facilities at the Facility were transferred from Arconic to Alcoa Corporation, who also leases additional land and facilities from Arconic. Arconic remains the primary owner

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and operator of the Facility Both companies primarily perform research and technical development at the Facility.

White Cloud Road is the northern boundary of the Facility, beyond which is undeveloped land. To the East of the Facility is undeveloped land and residential properties. To the South of the Facility is an Industrial park where companies such as Siemens Industrial, Anchor Distributors, and Versa-Fab Inc are located. The Western boundary of the Facility is 7th Street Road, followed by undeveloped land and residential properties.

Section 3: Summary of Environmental History

In August 1980, Alcoa Laboratories filed a Notification of Hazardous Waste Activity Form with USEPA. In November 1980, Alcoa submitted a part A Hazardous Waste Permit Application to USEPA, these documents Alcoa sent deemed them to have “interim status.” USEPA confirmed that Alcoa met the RCRA requirements for interim status and assigned USEPA ID No, PAD 004393138 to the Facility on August 2, 1981.

From 1986 to 2016 Arconic has been inspected by PADEP or EPA approximately 21 times. During this time, Arconic has done environmental investigation and remediation. Below are summaries of environmental investigation and remediation.

Area	Description	Current Status
Underground Storage Tank (USTs)	Filled with gasoline and were removed in 1986.	During the removal of the UST no soil/ groundwater (GW) contamination were detected. No documentation can be found about the USTs.
Diesel Spill	On March 17, 1993, a diesel spill occurred at the empty dirt and gravel lot proximate to the Arconic Technical Center (ATC) East Gate.	Soil samples were taken for BTEX and TPH. Approximately 40 tons of soil was excavated and disposed of properly.
Suspected Ethylene Glycol Leak	In 1994, PADEP was notified that there was a potential for an Ethylene Glycol Leak.	Arconic (under its former name of Alcoa Inc.) entered a one-year voluntary groundwater monitoring program, conducting groundwater samples one every quarter. At the end of the voluntary program no detectable levels of ethylene glycol had been observed.

Bldg. 28" Hot Mill (Fluids/Surface PCBs) 1994	In 1994, a water valve remained open and flooded the sump under the 28 inch Hot Mill. The water was analyzed and detected 25 ppm of PCBs.	The site was remediated by having oil, PCB contaminated tank and associated pipping removed.
Bldg. 28" Hot Mill (Fluids/Surface PCBs) 2015	In 2015, mill pits were flooded when a DI water hose ruptured, leaking approximately 5500 gallons into the pits. Waste water was sampled and the results indicated about 130 ppb.	All contaminated water was pumped out and treated at Clean Harbors Spring Grove Resources in Cincinnati, OH. The hot mill was updated in 2016 and additional remediation took place. Concrete with PCBs were removed and concrete not removed was coated with epoxy before it was backfilled and capped with new concrete.
Bldg C Elevator Shaft	In November 2015, routine update to the Building C freight elevator began.	Remediation of Building C elevator shaft entitled removal of cylinders, sand and groundwater. PADEP agreed with Alcoa's statement that no additional remediation was needed.
Bldg E Elevator Shaft	In May 2015, water and oil sampled from elevator pit showed Arcolor 1242 contamination.	Previously, the elevator was coated with epoxy. Additional remediation of this area will be for excavation and re-coat the elevator pit. Currently administrative controls are in place to restrict personnel from entering the elevator pit.

Based upon information in the 2017 Environmental Indicator (EI) Inspection Report, EPA identified three areas of concern (AOCs) at the Facility.

Areas of Concern	Description	Current Status
Chromium Sludge Lagoons	Arconic (under its former name of Alcoa Inc.) utilized two Lagoons (North and South) that were formally used for the storage of wastewater treatment sludges from the chemical conversion coating of aluminum-hazardous waste code F019.	The North Lagoon was closed in 1986 and the South Lagoon was closed in 1992. PADEP approved the closures.
Red Mud Lakes	Arconic (under its former name of Alcoa Inc.) had engineered, two PVC-lined lagoons used for storage of alkaline, non-hazardous bauxite refining residue until 1989 when alumina refining research and development ceased at the facility.	Remediation for this area was complete excavation of material, removal of PVC, post excavation samples, backfilling bonds and hydro seeding were completed in the

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		early 1990's.
Bldg. B Waste Disposal Area- 3 separate Areas	This consisted of three areas, Site A, B and C, which were used as disposal areas for aluminum powder and empty pails (Site A), or used for the destruction of lab quantities of reactive, unstable and highly flammable materials (Site C).	The Sites were remediated in the 1980's. Documentation from EPA Region III can cite the remediation for Site C.

In summary, concentrations of hazardous constituents identified in the soil and soil gas are within EPA's Regional Screening Level risk range for residential use; and concentrations of hazardous constituents identified in groundwater are all below EPA's Maximum Contaminant Level national primary drinking water standards. Therefore, there are no risks to human health or the environment for any use at this Facility including residential.

Section 4: Environmental Indicators

EPA sets national goals to measure progress toward meeting the nation's major environmental goals. For Corrective Action, EPA evaluates two key environmental indicators for each facility: (1) current human exposures under control and (2) migration of contaminated groundwater under control. The EPA has determined that the Facility met the migration of contaminated groundwater under control indicator on March 22, 2017. The EPA has determined that the Facility met the current human exposures under control indicator on March 22, 2017.

Section 5: Public Participation

Before EPA makes a final decision on its proposal for the Facility, the public may participate in the decision selection process by reviewing this SB and documents contained in the Administrative Record (AR) for the Facility. The AR contains all information considered by EPA in reaching this proposed decision. It is available for public review during normal business hours at:

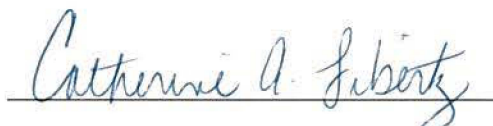
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103
Contact: Catheryn Blankenbiller
Phone: (215) 814-3464
Fax: (215) 814-3113
Email: Blankenbiller.catheryn@epa.gov

Interested parties are encouraged to review the AR and 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. You may submit comments by mail, fax, or e-mail to Ms. Catheryn Blankenbiller. EPA will hold a public meeting to discuss this proposed decision upon request. Requests for a public meeting should be made to Ms. Catheryn Blankenbiller.

EPA will respond to all relevant comments received during the comment period. If EPA determines that new information warrants 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 announce its final decision and explain the rationale for any changes in a document entitled the Final Decision and Response to Comments (FDRTC). All persons who comment on this proposed decision will receive a copy of the FDRTC. Others may obtain a copy by contacting Ms. Catheryn Blankenbiller at the address listed above.

Date:

5-4-2017



Catherine A. Libertz, Acting Director
Land and Chemicals Division
US EPA, Region III

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Final Environmental Indicator Inspection Report for Arconic prepared by EPA March 2017

Human Health Environmental Indicator for Arconic prepared by EPA March 2017

Migration of Contaminated Groundwater Environmental Indicator for Arconic prepared by EPA March 2017



Figure 1: Site Location Map
Arconic
100 Technical Drive
New Kensington PA 15069



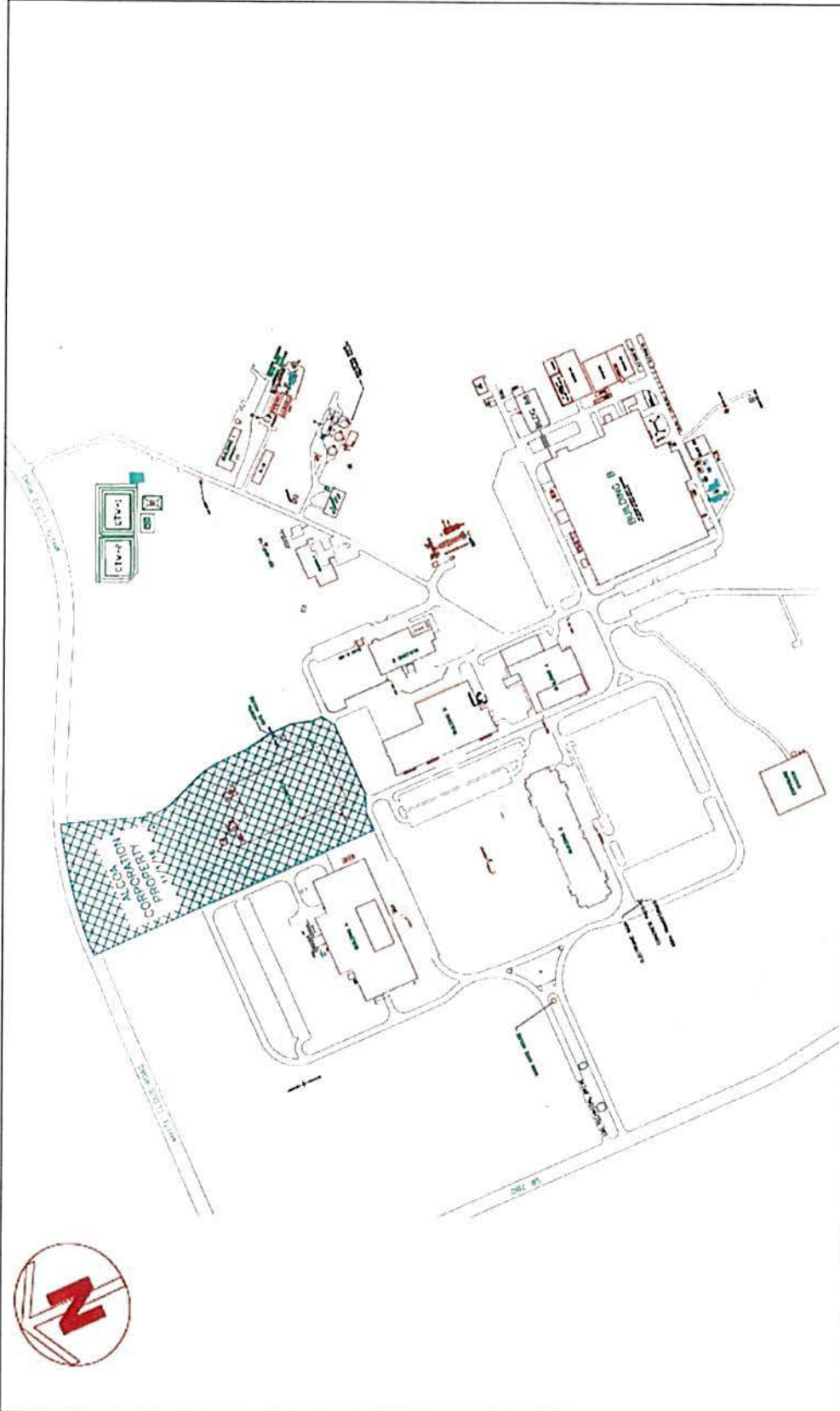


Figure 2: Site Layout
 Arconic
 100 Technical Drive
 New Kensington PA 15069

