



UNITED STATES  
ENVIRONMENTAL PROTECTION AGENCY  
REGION III

STATEMENT OF BASIS

CEMEX, INC.  
WAMPUM, PENNSYLVANIA  
EPA ID # PAD 083 965 897

Prepared by  
Office of Pennsylvania Remediation  
Land and Chemicals Division  
March 2016

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## **Section 1: Introduction**

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The United States Environmental Protection Agency (EPA) has prepared this Statement of Basis (SB) to solicit public comment on its proposed decision for the Cemex, Inc. facility located at 2001 Portland Park, Wampum, Lawrence County, Pennsylvania 16157 (Facility). EPA's review of available information indicates 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**

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The CEMEX Wampum Facility, formerly known as Southdown, and prior to that known as Medusa Cement Company, encompasses approximately 70 acres of land, located in Lawrence County, Pennsylvania, on Route 18, approximately one mile southeast of the Borough of Wampum. The facility is bounded by the Beaver River to the east and Route 18 to the west. The facility houses three kilns, numerous silos, a clinker dome, and other buildings and storage units throughout the plant; all formerly used to produce cement. The immediate land use surrounding CEMEX is primarily undeveloped. The facility, in the past, was permitted to accept hazardous waste solvents for the purpose of burning them as a fuel supplement in the kilns. As of the latest PADEP Compliance Evaluation Inspection on 2/9/16, CEMEX no longer produces cement at this location. This location is now used as a distribution center. Because of the reduced activity at the facility, CEMEX now manifests wastes offsite as a conditionally exempt small quantity generator.

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### Section 3: Summary of Environmental History

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In April 1990, AT Kearney, an EPA contractor, conducted a Phase II RCRA Facility Assessment (RFA). The assessment identified 15 solid waste management units (SWMUs) and five other Areas of Concern (AOC) at the Facility.

CEMEX started using hazardous waste derived fuel in October 1985. In November 1998, CEMEX discontinued the use of hazardous waste derived fuels. As a result, a closure plan for hazardous waste storage and blending units was submitted to the Pennsylvania Department of Environmental Protection (PADEP) for approval.

In May 2000, EPA visited the CEMEX plant to collect additional data to evaluate the environmental indicators. EPA learned that 5 of the 15 SWMUs were removed, 3 were inactive, 2 were under PADEP's closure, and 5 were still active. All the AOCs were still active except the underground gasoline tank, which was closed and removed in accordance with the PADEP Underground Storage Tank requirements.

RCRA Corrective Action activities at the CEMEX facility are being conducted under a joint effort by EPA and PADEP. The investigation and any necessary clean-up activities have been implemented in accordance with CEMEX's closure plan that was approved by PADEP in September 2000.

Between 1997 and 2000, CEMEX tested onsite wells, and submitted analytical reports comparing results to PADEP's drinking water requirements. Complete details, including sampling data, can be found in the individual reports contained in the AR. The results indicate that groundwater is not contaminated.

In February 2001, CEMEX completed groundwater investigations at permitted hazardous waste container area and the truck off-loading pad with PADEP approval. Results indicated no constituents exceeded PADEP or EPA action levels.

In August 2001, EPA completed an evaluation of available information and issued "Yes" determinations for "Migration of Contaminated Groundwater Under Control" and "Current Human Exposures Under Control" Environmental Indicators (EI). EPA Environmental Indicators are a point in time means of evaluating and reporting on the acceptability of current site conditions (i.e., they are interim milestones and not final remedy or site closure goals).

In March 2004, CEMEX met PADEP's closure plan requirements, and PADEP released the surety bond for the Wampum, PA facility.

The facility is currently permitted to burn biomass, clinker, coal, #2 fuel, and spent activated carbon. In May 2008 CEMEX received approval from PADEP to supplement their fuel sources with non-hazardous engineered fuel (manufactured and certified by VEXOR Technology).

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There are no institutional or engineering controls at this time, at this facility.

Since 1997, 20 consecutive RCRA CEI Inspections conducted at the CEMEX facility have revealed no RCRA violations. The latest PADEP CEI inspection was done on 2/9/16.

#### **Section 4: Environmental Indicators**

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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 August 9, 2001. The EPA has determined that the Facility met the current human exposures under control indicator on August 9, 2001.

#### **Section 5: Public Participation**

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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 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: Grant Dufficy  
Phone: (215) 814-3455  
Fax: (215) 814-3113  
Email: [dufficy.grant@epa.gov](mailto:dufficy.grant@epa.gov)

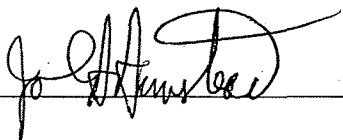
Interested parties are encouraged to review the AR and comment on EPA's proposed decision. The public comment period will last thirty (30) calendar days from the date that notice is published in a local newspaper. You may submit comments by mail, fax, or e-mail to Mr. Grant Dufficy. EPA will hold a public meeting to discuss this proposed decision upon request. Requests for a public meeting should be made to Mr. Grant Dufficy.

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 Statement of Basis

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 Mr. Grant Dufficy at the address listed above.

Date:

3.3.16



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John A. Armstead, Director  
Land and Chemicals Division  
US EPA, Region III

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## **Index to Administrative Record**

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EPA Phase II RCRA Facility Assessment Report, Contract 68-W9-0040, June 25, 1990.

PADEP On-site Drinking Water analytical Reports for four monitored wells, 1997-2000.

NPDES Discharge Monitoring Reports, 1998-2000.

Closure Certification Report, CEMEX Cement Plant, Inc. Wampum, PA, PAD 083 965 897, April 30, 2001.

Closure Certification Report, CEMEX Cement Plant, Inc. Wampum, PA, PAD 083 897, Revision of Section 13.0, June 5, 2000.

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