

## FORMER OWENS CORNING FACILITY SITE

160 Jackson Road • BERLIN, NEW JERSEY

*This fact sheet has been developed by Owens Corning in accordance with the New Jersey Department of Environmental Protection (NJDEP) regulations for Notification and Public Outreach to keep the public informed about ongoing environmental investigations and remediation activities at the site of a former Owens Corning facility.*

### Site History

Historically, the facility operated as a sand and brick manufacturing plant from 1927 to 1941. In 1941, the facility was purchased by the Owens-Illinois Glass Company, which continued brick manufacturing until 1947. In 1947, Owens-Illinois converted the manufacturing operations to the production of high-temperature insulating materials under the brand name Kaylo®. Owens Corning purchased the facility in 1958 and continued the production of high-temperature insulation until manufacturing operations ceased in October 1993.

The site was entered into the Industrial Site Recovery Act (ISRA) program by Owens Corning when manufacturing operations ceased in October 1993. Site investigation activities, conducted in cooperation with and under the direction of the Licensed Site Remediation Professional (LSRP) in accordance with the regulations of the New Jersey Department of Environmental Protection (NJDEP), identified soil and groundwater impacts related to the former manufacturing operations. The identified impacts are primarily related to the historic use of DOWTHERM A™ (a heat transfer fluid). The site is currently vacant and occupies approximately 45 acres, roughly 25 percent of which is covered by paving, building pads, and other improvements related to the former manufacturing operations. All of the buildings at the facility have been removed. Owens Corning is committed to working with the NJDEP to address environmental impacts associated with the site of the former Owens Corning facility.

### What is the current status of the remediation activities?

- **Soil and Groundwater Delineation Is Complete and Pending NJDEP Approval**

Impacts to soil are delineated within the site's boundaries.

As of December 2013, we also have achieved groundwater delineation. Testing results from our remedial investigation efforts have been compiled into a Site Remedial Investigation (RI) Report, which is currently under review by our LSRP and is to be submitted to NJDEP in May 2014.

- **A Classification Exception Area (CEA) Is Being Proposed**

A CEA is an administrative control that identifies for state and county officials the horizontal and vertical extents of groundwater impacts and enables the application of restrictions to access or use of the impacted groundwater for the purposes of protecting public health and safety.

As part of NJDEP's requirements, and in accordance with the regulatory process for submitting the RI Report in May 2014, Owens Corning is proposing a CEA for a localized area east of the Site in alignment with the defined impacts to groundwater. As required by NJDEP, owners of properties within the CEA will be notified directly about the designation. No action is required by property owners within the proposed CEA.

- **Long-term Monitoring of Private Potable Wells Continues**

Annual sampling of potable wells within the CEA will continue. Sampling will be conducted in the 3<sup>rd</sup> Quarter.

- **The On-site Pump and Treatment System Is Operational and Long-term Monitoring of Groundwater Monitoring Wells Will Continue**

In January 2014, Owens Corning began operation of a groundwater pump and treatment system on the site property. The purpose of the system is to address onsite conditions contributing to groundwater impacts, both on- and off-site.

The effects of this treatment system will be monitored through collection of groundwater samples from on-site and off-site groundwater monitoring wells.

### Want to Learn More?

Call our Community Information Line at (888) 827-0983 or email us at [OCBerlin@owenscorning.com](mailto:OCBerlin@owenscorning.com). Kelly Henry, the Community Liaison on behalf of Owens Corning, will be the first to respond to your call.

To learn more about the chemical DOWTHERM A™, visit: <http://www.dow.com/heattrans/products/synthetic/dowtherm.htm>

To learn more about diphenyl ether, visit: <http://www.cdc.gov/niosh/npg/npgd0496.html>

To learn more about 1,1-Biphenyl, visit: <http://www.cdc.gov/niosh/ipcsneng/neng0106.html>

Mr. David Thompson is the Licensed Site Remediation Professional (LSRP). His contact information is:  
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## The Potable Well Survey Is Complete

Between 2012 and 2014, Owens Corning performed a well survey in a phased progression called “step outs” to identify and test private potable water wells within a defined distance from the location of known impacts to groundwater. It was needed to ensure public health and safety is protected and to help determine the appropriate steps to provide safe drinking water.

A total of 67 wells were tested over the two year period. Some wells were tested twice; the second sampling was part of an annual testing program that will continue for potable wells within the CEA.

Six of the 67 wells had water with levels of one or both of the DOWTHERM A™ constituents above the applicable groundwater standard. Owens Corning worked with each property owner to address these findings.

## Results of Groundwater Sampling

Groundwater containing DOWTHERM A™ constituents was detected east of the site. The concentration range (**in parts per billion**) of the identified constituents is provided below in comparison to applicable Groundwater Quality Standards (GQS) in New Jersey.

Constituents	Class 1 GQS	Class 2 GQS	Range of Concentrations In parts per billion	
			Minimum	Maximum
1,1-Biphenyl	10*	400	ND	2,600**
Diphenyl ether	10*	100	ND	14,000**

ND = Not detected

\*Practical Quantitation Limit

\*\* Data from a groundwater well located onsite

<sup>1</sup>Class I Ground Water of Special Ecological Significance

<sup>2</sup>Class II Ground Water for Potable Water Supply

## FAST FACTS

**Site Name:** Owens Corning

**Site Location:**

160 Jackson Road in Berlin Borough, Camden County, New Jersey, just west of the intersection of Jackson Road with Route 73

**Block & Lot Numbers:**

Block 1502, Lot 4; Block 1600, Lots 4, 5, and 6

**NJDEP Site Preferred ID #:** 013542

Owens Corning is responsible for conducting the remediation; the Project Manager for Owens Corning is Alan Lake. He can be reached via our Community Information Line at 1-888-827-0983.

**About DOWTHERM A™**

DOWTHERM A™ was used at the former Owens Corning facility in the insulation manufacturing process and is a mixture of two chemicals: 1,1-biphenyl and diphenyl ether.

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