

## FORMER OWENS CORNING FACILITY SITE

160 Jackson Road • BERLIN, NEW JERSEY

*This project update has been developed and produced by Owens Corning to keep the public informed about ongoing environmental investigations and remediation activities related to the site of the former Owens Corning facility in Berlin, NJ.*

### PROJECT BACKGROUND

The Owens Corning former Berlin, NJ 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 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). Specifically, the two constituents are 1,1'-Biphenyl and Diphenyl ether.

As part of the ongoing environmental investigation, groundwater to the east of the site has been, and continues to be, monitored for the two DOWTHERM A™ constituents, resulting from the former manufacturing operation. This work is being conducted by ARCADIS, an independent environmental consulting firm working for Owens Corning.

Owens Corning is committed to protecting public health and the environment. We are pursuing three paths of action simultaneously:

#### ❖ A well survey and testing program

The purpose of a well survey is to identify and test private water wells within a defined distance from the location of known impacts to groundwater. It is needed to ensure public health and safety is protected and to help determine the appropriate steps to provide safe drinking water.

- The initial well survey was completed in 2012 and included 47 wells.
- An Annual Well Monitoring Program began in August 2013 and is currently underway (See side bar for update).

#### ❖ Monitoring of permanent monitoring wells to define the extent of groundwater impacts

- Groundwater impacts are nearly defined. (Study Areamap on back)
- Sampling is being conducted on a quarterly basis -- in March, June, September and December.

#### ❖ Development of remedial plans to address on-site and off-site conditions contributing to groundwater impacts

- A groundwater pump and treatment system at the Owens Corning property is expected to be brought online in the December 2013/ January 2014 time frame. The purpose of the pump and treatment system is to address onsite conditions contributing to groundwater impacts, both on- and off-site.

### UPDATE:

#### 2013 Annual Well Sampling Results

In August 2013, Owens Corning initiated an Annual Private Well Sampling Program involving 37 private water wells. The wells also were sampled as part of the 2012 Well Survey and were identified for long-term monitoring as a result of their location within our Study Area (Study Area Map on back). If a well sampled in 2012 is outside our Study Area, it was not included in the Annual Sampling Program.

As of September 30, 2013, 27 wells involved in the 2013 program have been sampled, with the consent of the respective property owners. The samples were sent to a NJ certified laboratory for analysis.

- ✓ **26 wells tested met the applicable groundwater quality (GWQ) standards** for the DOWTHERM A™ constituents.
- ✓ **1 well contained levels of one of the DOWTHERM A™ constituents above the applicable GWQ standards.** Owens Corning is working directly with the property owner to achieve an appropriate long-term solution.

#### Well Survey Area Expanded on Raymond Road and Kettle Run Road

As a result of these findings, Owens Corning is required by NJDEP regulations to expand the survey area by "stepping out" 500 feet down-gradient (or east) and 500 feet side-gradient from the location of the newly-identified levels. This "step out" process identified 16 additional private water wells on Raymond Road and Kettle Run Road. Owens Corning will be reaching out directly to those property owners.

**Worth Noting:** This step out is **not** an indication that groundwater affected by the DOWTHERM A™ constituents is moving at a faster pace than anticipated. The well that triggered the step out had previously contained Dowtherm A™ constituents at levels below the threshold for action established by NJDEP. Although levels are now above the action threshold, the amount of change in the levels is considered statistically similar to the initial findings.

*Continued on back*

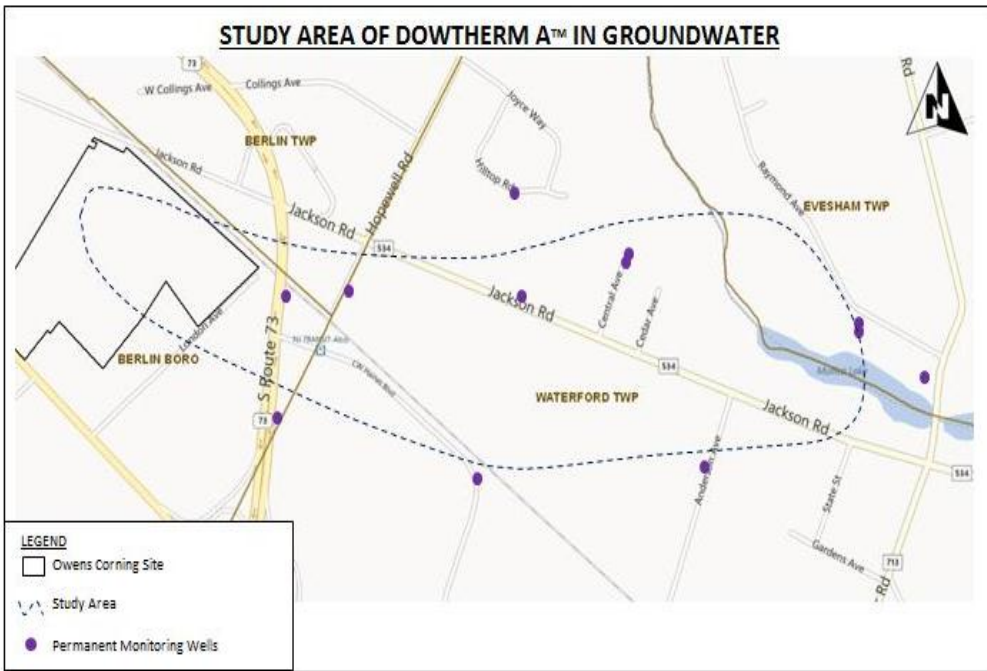
### Questions? Want More Information?

Visit our website at [occommunityinformationsite.com](http://occommunityinformationsite.com).

Or, please contact us via our toll-free Community Information Line:

**1-888-827-0983**

Or, email us at: [OCBerlin@owenscorning.com](mailto:OCBerlin@owenscorning.com)



## Update on the Ongoing Hydrogeology Study

### Understanding the Relationship Between Area Groundwater and Surface Water

In accordance with NJDEP regulations, Owens Corning is working to submit a Remedial Investigation Report on its findings by May 2014. Completing the hydrogeology study to show how area groundwater and surface water flow and interact will be part of this report.

### Drainage Ditch Sampling

In August, ARCADIS representatives collected surface water samples at two locations, one near the outfall of the drainage ditch north of Jackson Road and one at Hopewell Road.

## Owens Corning Is Working with the Community

Owens Corning is committed to keeping well survey participants and the communities of Waterford Township, Berlin Township, Berlin Borough, and Evesham Township informed of our plans and activities.

### We are planning to hold the next Community Information Session in late October.

Owens Corning is planning our next Community Information Session to give new well survey participants an opportunity to learn more about the ongoing groundwater investigation and well survey and have their questions answered directly by representatives of the Owens Corning team. It will also provide all interested community members with an update on our ongoing efforts and progress. The event format will be the same as the three Information Sessions we held in 2012.

**Where: Atco (Waterford Twp.) Senior Ctr.  
474 East Atlantic Avenue, Atco, NJ**

**When: *Date To Be Determined***

We will mail out an Event Flyer once the date has been secured. In the meantime, you can view materials provided at our 2012 Community Information Sessions via our website at [occommunityinformationsite.com](http://occommunityinformationsite.com).

**If you have a question or concern, please contact us directly at our Community Information Line at (888) 827-0983, or via email at [OCBerlin@owenscorning.com](mailto:OCBerlin@owenscorning.com).**

## Monitoring the Mullica River

In September, we collected water and sediment samples from the Mullica River.

Additionally, Owens Corning continues to monitor the river's seasonal water levels via staff gauges installed in 2012. Similar to a measuring stick, a staff gauge is used to measure the surface level of water bodies. They will be removed when the study is completed.

### Owens Corning's testing is focused on the two constituents of DOWTHERM A™ *1,1'-Biphenyl and Diphenyl ether*

When results show levels of these materials above the applicable groundwater quality (GWQ) standards, Owens Corning will work with the property owner to address both near-term and long-term water supply needs for use with drinking and cooking.

#### Near-Term Solution

Bottled water will be provided within 5 days and until a long-term solution is implemented (no more than 60 days).

#### Long-Term Solution

A filtration system is an effective long-term solution for addressing constituents related to the Owens Corning site and for ensuring safe, potable water related to these materials.

Owens Corning has contracted with a local representative of Paragon Resource Management, Inc. to design, supervise and manage the installation and maintenance of a filtration system appropriate to the needs of the well owner.

There is no cost to the property owner for these services.