



The first of two scrubbers, designed to improve air quality, will be in operation this spring.

Plant prepares to place first scrubber into operation

When you see white clouds coming from the new chimney stack at PPL's Brunner Island plant soon, it will be a signal that the new environmental controls are operational.

"Our neighbors are not used to seeing emissions from the plant," said Steve Marbaise, Brunner Island plant manager. "But when the first of the two scrubbers goes into service this spring, you'll notice white vapor coming from the new chimney.

"The white plume is the result of the moisture created by the wet scrubber process," Marbaise said. "The plant's exhaust will be nearly free of sulfur

dioxide, but will contain more water vapor."

When complete, the two scrubbers will remove nearly all of the sulfur dioxide and also will capture mercury from the plant's emissions.

PPL is spending about \$700 million on the scrubbers and related equipment as part of an investment of more than \$800 million in environmental upgrades at Brunner Island.

"The project will result in a significant improvement in the quality of the air we breathe and represents a major investment in the plant," Marbaise said.

PPL to begin bypass road project in April

PPL will begin work in April to build a bypass road that will help keep truck traffic out of the downtown areas of York Haven.

The road, nearly a mile in length, will start just off the north end of Brunner Island and reconnect with Route 382 west of York Haven. River Road will be closed during the project, expected to be completed by year's end.

The project will eventually require closing the intersection of Front and Locust streets for about 6-8 weeks in early summer. The timing of that work will depend on the completion of site preparation work at the intersection.

"We recognize that this work will temporarily cause inconveniences for some of our neighbors, but the goal is to reroute truck traffic safely around residential areas within York Haven," said Steve Marbaise, plant manager. "Signs will be posted to alert drivers about the detours.

"We originally scheduled this project for completion in 2008, but it was delayed because of permitting issues," he said. "We are listening to concerns from our neighbors and working with community leaders and local police on practical ways to make the roads safer for everyone."



Stabil-Fill, one example of how PPL reuses coal ash combustion products, enhances the community soccer fields near the Brunner Island power plant.



PPL donates computers to York Haven Free Library

Used computers donated by PPL's Brunner Island power plant to the York Haven Free Library will make it easier for patrons to do online research.

"As we upgrade some computers at the Brunner Island plant, it makes sense to donate these four computers to the library, whose patrons can give them a second life by using them for research," said Jim Nulton, PPL's regional community relations director. "It's recycling, and it's good for the community."

Cynthia Owad, library director, said the PPL computers went into use at the end of February and brought the number of library computers to seven.

"With PPL's kind donation, we now have seven computers for our patrons to use," she said. "This is a welcome gift for a small community library like ours."

In addition to the library, Brunner Island supports many community organizations, including schools, conservation and outdoor sporting groups, and local fire and police departments.

Coal ash beneficial use business as usual at Brunner Island

In the past months, there have been many news reports about the Dec. 22 collapse of a retention wall at a Tennessee power plant and the subsequent spill of 5.4 million cubic yards of coal ash slurry from a disposal basin.

Unlike the Tennessee power plant, Brunner Island has a dry collection system for fly ash, a byproduct of burning coal. PPL last year received national recognition from the U.S. Environmental Protection Agency for its beneficial use of all of its coal combustion products in Pennsylvania, including those produced at Brunner Island.

Brunner Island's fly ash is removed pneumatically (dry) from air pollution control equipment and stored in two 3,000-ton storage silos. Most of it is then processed into ProAsh at an ash

processing facility owned and operated by Separation Technologies and sold to ready-mix concrete plants as a cement replacement.

The fly ash that Separation Technologies does not take is mixed with hydrated lime and water to make Stabil-Fill, a soil-like material used in construction projects, including the community soccer fields near the plant.

PPL intends to work with the Pennsylvania Department of Environmental Protection to close its last active ash basin at Brunner Island in 2011. The basin still contains previously deposited ash but is currently used for treating waste water products other than fly ash from the plant.

The one active basin was inspected in January by the DEP, and no safety issues were identified.

Crane comes to roost on Unit 3 boiler at Brunner Island

If you were looking toward the sky in late January, you may have seen a helicopter delicately positioning a 25,000-pound crane at the Brunner Island power plant.

Set into place from its aerial launch and installed by work crews on Jan. 25, the crane will be used for maintenance work and supports the plant's efforts to operate safely and provide reliable energy to benefit the region.

"Installing a crane saved us more than \$200,000 compared with the rental price, and the plant now has a permanent asset for future maintenance on Unit 3," said Charlie Anthony, a senior engineer for the Brunner Island plant.

Three pilots operated a specialized helicopter designed for large lifts. They made three lifts — the 6,500-pound, 20-foot-high mast; the 3,500-pound motorized head assembly; and the 15,000-pound, 53-foot-long boom — each taking about 15 minutes.

"The decision to mount a permanent crane boiled down to economics and competing space constraints for placing another mammoth crane on the ground," Anthony said. "Ground space at the plant is at a premium, and we still have some remaining construction work on the scrubber."

Safety was a large consideration for the many hours spent planning the job in the weeks leading up to the installation, Anthony said. Plant staff and contractors worked closely with one of the pilots to develop a detailed flight plan that was reviewed by the Federal Aviation Authority.

The contractor, Erickson Air Crane of Oregon, brought experience from performing an identical job in southern California that helped the team improve the job's rigging and safety aspects. For example, PPL asked the crane manufacturer to equip the three major sections with special lifting lugs and alignment guides.



A helicopter performs an aerial ballet, gently positioning a crane atop the Unit 3 boiler.

"The pilots said this job was 110 times better than the one they performed out West because of all the cooperation and help they received from PPL," Anthony said.

PPL recognized for supporting safety program for kids

The Newberry Township Police Department recently recognized PPL's Brunner Island plant for its support of a popular safety program for children.

Jim Nulton, PPL's regional community relations director, received a certificate of appreciation for the company's sponsorship of the "Officer Phil Program," a national program directed at teaching safety to children from kindergarten through fourth grade.

"This has been a valuable educational outreach. PPL and the Brunner Island plant are helping the Newberry

Township police reach out to children in the classroom and teach them about how to stay safe," Nulton said. "Today, more than ever, it's important to educate children about safety, crime prevention, values and responsibility in a way they will understand."

Spearheaded by Police Chief John Snyder, the "Officer Phil Program" includes coloring books and encourages police officers to visit schools to explain to children about subjects ranging from

bicycle safety to finding a safe way home from school.



PPL Brunner Island
Wago Road
York Haven, PA 17370

Free upcoming events at Brunner Island

Earth Day bird walk Brunner Island Environmental Preserve April 22, 9 a.m.

Celebrate Earth Day by exploring the wonderful world of birds during this program at 9 a.m. Wednesday, April 22, at PPL's Brunner Island Environmental Preserve.

Jim Smith, PPL naturalist, will lead this guided walk through the wetlands while identifying local birds that can be found in the area. Enjoy this morning stroll while helping to inspect blue bird and wood duck nesting boxes.

The program, which is free and great for all ages, will take place at the Wood Duck Pavilion at PPL's Brunner Island wetlands located off Wago Road, across from Gate A. For more information, contact Karen Ament at 717-284-6274 or kament@pplweb.com.

PPL is hosting the program as part of PPL Project Earth, an initiative to educate people about energy resources and the environment. For more information about PPL's environmental preserves, visit www.pplpreserves.com.

Susquehanna Aquacultures Fish Farm Tour May 21, 10 a.m.

Susquehanna Aquaculture Inc., growers of farm-raised hybrid striped bass, is one of the largest facilities in the country to use warm power plant water for fish farming. Under strictly controlled environmental conditions, Susquehanna Aquacultures provides the marketplace with a consistent year-round supply of fresh fish. The facility has been in operation here since 1988 and provides 400,000 pounds of striped bass each year.

We invite you to join us on a guided tour of the facility. This free program is open to the public. Space is limited to 50 people and registration is required.

Directions: Travel to the south end of Brunner Island off Wago Road. At the stop sign, bear left at the Y and follow signs for the public fishing area. Stay on the paved road, keeping the fenced area on right. Continue to the fishing area on the Susquehanna River for parking. Watch for the PPL event signs. Please use extreme caution because of the construction at the power plant. GPS coordinates are N40 05.460 W76 41.228.

For more information or to register, contact Karen Ament at 717-284-6274 or kament@pplweb.com.

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Do you know of someone who might enjoy hearing about upcoming programs at PPL's Brunner Island or Holtwood Environmental Preserves?

Please encourage them to sign up to receive our electronic newsletter. Just e-mail kament@pplweb.com or call 717- 284-6274, and we will add that person on our mailing list.