



PRGS Deactivation Project

PRGS Community Monitoring Group

City Hall, Alexandria, VA

□ November 7, 2012

Deactivation Program



- **The plant ceased operations October 1, 2012, at 00:00 hrs**
- **Across its fleet, GenOn is deactivating ten plants by 2015**
- **Program is based on executing the work in two (2) phases:**
 - Phase 1: Deactivation: Shutdown, drain, dry, secure, de-staff and perform work necessary to surrender operating permits and maintain site in accordance with all laws;
 - Phase 2: Salvage & Demolition: Dismantle, sell equipment and metals; complete demolition and remediation activities necessary to minimize ongoing cost and obligations for these sites or commercially dispose of the sites that have alternative beneficial uses, if economical
- **Focus is on completing Phase-1 deactivation at PRGS by mid- 2013**
- **Phase 2 will begin in earnest with completion of merger with NRG**

- **Phase I – Deactivation Project Summary**
 - Remove hazardous / combustible materials
 - Bulk ash removal from storage silos and electrostatic precipitators
 - Remove trona
 - Decommission equipment, drain oils and lubricants
 - Safeguard building/grounds, including security camera infrastructure
 - Electrically disconnect from PEPCO Switchyard
 - Site drainage or stormwater management
 - Remove bulk coal and reclaim coal yard
 - Decommission U/G storage tanks
 - Cap stacks
 - Surrender/close or modify permits

Phase I – Bulk Material Removal

- Coal Removal
 - Approximately 16,000 tons removed from coal yard by rail
 - Bulk removal completed week ending 10/27;
 - anticipate one train to remove remaining residual coal material (coal and soil mix) the week of 11/11 - will avoid need for any trucking of coal as originally contemplated
 - Loading of rail cars done by a Caterpillar excavator, operated during day shift only, Monday – Friday
 - Restoration of coal yard projected for January start, pending regulatory approval and as weather permits
 - Plan submittal to VDEQ, City of Alexandria, on or about November 5
 - Hired URS Engineering to design; will be incorporated into overall site drainage plan
 - Scraping of coal yard until soil/ clay is exposed; conduct digs to ensure at bottom
 - Clean fill will be used to level the area; grading and then seeded to manage storm water run-off

Phase I – Bulk Material Removal

- Bulk Ash Removal (completed)
 - Bulk ash removal completed from silos; transported by rail
- Trona Removal (completed)
 - Storage silo trona will be removed and transported to commercial buyer for reuse via tanker truck
- Coal & Ash Clean Up from Equipment (December)
 - Roof, Silos, Hoppers, Precipitators, Conveyors, etc.
 - Vacuum trucks operating Monday – Thursday, day shift only
 - By truck, material transported to an authorized disposal facility
- No. 2 Fuel Oil and Turbine Oil (completed)
 - Fuel oil reused at another GenOn facility, removed via tanker truck
 - Turbine oil sold to recycling company

Phase I – U/G Storage Tanks



- Two (2) 25,000-gallon Fuel Oil Tanks
 - Fuel oil emptied and transported for reuse at another GenOn facility
 - Located beneath plant's precipitators, riverside of plant
 - Plan to decommission in place until Phase II evaluation complete
 - URS Engineering
 - Preliminary study concluded removal from subsurface may undermine integrity of structure
 - Fill with inert material in accordance with VDEQ and City of Alexandria requirements
 - Soil sampling will be performed to determine what, if any, remediation may be required
 - Application to be filed with City of Alexandria on or about 11/09

Phase I – U/G Storage Tanks



- One, 4,000 gallon Kerosene Tank
 - Emptied and material reused at another GenOn facility
 - Located adjacent to rail car dumper
 - Will be removed from ground and area covered with clean fill and seeded
 - Estimated completion date is March 2013

Phase I – Water Intake Boom and **GenOn** Outfalls

- Eliminating waste water treatment plant and process water discharge will be last operational function for Phase I
 - Modify NPDES with U.S. EPA and District Dept. of Env.
 - Only stormwater discharge will continue under new permit
- Water intake boom and supporting posts
 - Removal of boom and posts (completed)
- 001 Outfall will continue to be used for stormwater discharges
 - Surrounding fence will be repaired
- All other discharge points not needed for stormwater in future will be sealed and pipes filled with concrete or other flowable fill or completely removed if feasible

Phase I – Plant Decommissioning

- De-gas turbines
- Drain oils and/ or lubricants from all equipment
- Inventory and dispose hazardous chemicals/ materials
 - Examples include mercury, refrigerants, acids, etc.
 - Follow U.S. EPA standard as outlined in RCRA small quantity generator (220-2200 lbs waste/ month) regulations
- Ensure building/ site is water tight
- Stacks
 - Cap all five stacks
 - FAA lights will be maintained
- New power feed from Dominion to support lighting and security needs for site

Phase I – Security and Ongoing Maintenance



- Additional security cameras added
- Fence upgrades will be done once coal yard work is completed
- Ongoing fire protection from six (6) hydrants supplied with city water
- Beginning mid-2013 until final disposition of facilities, maintenance team from other GenOn facilities supporting PRGS weekly

Conclusion



- Check periodically for more updates at <http://www.genon.com/company/stations/potomac.aspx>
- Community questions may be directed to communityinvolvement@genon.com

Loading Sold Transformer



Trona Evacuation from Silos Complete



Staged Vacuum Truck



Removing Fuel Oil from Tanks



Coal Pile



Removal of Wooden Piles supporting Intake Boom



Potomac River Station

