

PROJECT TIMELINE
"Details"

Date	Description
1/25/05	"Blowout" of Nickle Plate Mine Pool at 135 Liberty Street, McDonald, PA; Flow estimated by BAMR to be ~10,000 gpm
1/26/05-1/27/05	Pumping initiated by 0330 on 1/26/05 with 8" & 12" pumps; overflow continues at "blowout"; Total flow estimated by BAMR to be ~8,000 gpm; By 0800 on 1/26/05 continued pumping results in no overflow at "blowout"
1/28/05-2/07/05	Pumping at "blowout" continues with 8" & 12" pumps; Flow estimated ~4,000 gpm; No overflow; 24-hr. periods w/no pumping
2/08/05-2/15/05	12" pump removed; Pumping at "blowout" continues with 8" pump
2/15/05-2/18/05	Daily monitoring of water levels at "blowout", P1, P2 begins by BAMR
2/1705-2/22/05	No pumping at "blowout"
2/22/05 OSM EMERGENCY CONTRACT EXPIRES AND BAMR EMERGENCY CONTRACT ISSUED	
2/22/05	SPSI Emergency Contract with OSM expires; Emergency Contract issued to EIS by BAMR; Field meeting - BAMR, SPSI, EIS; SPSI continues pumping operation under EIS contract for continuity
2/22/05-2/25/05	Daily monitoring of water levels at "blowout", P1, P2 by BAMR
2/22/05-2/24/05	No pumping at "blowout"
2/25/05	Pumping at blowout resumes with 8" pump and continues through out weekend; Number of pumping hours varies
2/28/05-3/04/05	Daily monitoring of water levels at "blowout", P1, P2 by BAMR
2/28/05-3/03/05	Pumping at "blowout" continues with 8" pump; Number of pumping hours varies
3/01/05	Site investigation by EIS; SPSI ceases pumping as subcontractor to EIS; EIS delivers replacement pump; Preliminary pump test
3/02/05	SPSI removes pump and equipment; EIS installs pump and begins pumping to reduce cost and noise
3/03/05	Marked proposed drilling areas in streets of McDonald for PA One Call
3/03/05-3/06/05	Pumping at "blowout" continues with 4" pump until new 6" pump arrives on afternoon of 3/04/05; Number of pumping hours varies
3/04/05	PA One Call Notification
3/07/05	Field meeting with Columbia Gas to review drilling program
3/07/05	McDonald Borough Council meeting; EIS attended and presented
3/07/05-3/10/05	Daily monitoring of water levels at "blowout", P1, P2 by BAMR
3/07/05-3/14/05	Pumping at "blowout" continues with 6" pump; Number of pumping hours varies
3/09/05-3/10/05	Drilling and installation of piezometers conducted by EIS with drilling company subcontractor McKay & Gould Drilling Co.
3/11/05	Monitoring of water levels by EIS; Monitoring of water levels at "blowout", P1, P2, 15, 16, 17B, 18, 19, 20, 21, 24B by BAMR
3/14/05	Monitoring of water levels by EIS
3/14/05-3/18/05	Daily monitoring of water levels at "blowout", P1, P2, 15, 16, 17B, 18, 19, 20, 21, 24B by BAMR
3/14/05- 3/21/05	Pumping at "blowout" continues with 6" pump; Number of pumping hours varies
3/18/05	Monitoring of water levels by EIS; Piezometers bailed for water sampling
3/21/05	Water sampling and monitoring of water levels by EIS
3/21/05-3/25/05	Daily monitoring of water levels at "blowout", P1, P2, 15, 16, 17B, 18, 19, 20, 21, 24B by BAMR
3/21/05-3/28/05	Pumping at "blowout" continues with 6" pump; Number of pumping hours varies; Scheduled cessation of pumping on Easter to decrease disturbance to community
3/23/05-3/24/05	EIS conducts 24-Hour Mine Pool Response Test
3/28/05	Site investigation by EIS; PA-One-Call notification for additional drilling
3/28/05-4/01/05	Daily monitoring of water levels at "blowout", P1, P2, 15, 16, 17B, 18, 19, 20, 21, 24B by BAMR
3/28/05-4/03/05	Pumping at "blowout" continues with 6" pump; Number of pumping hours varies
3/31/05	EIS and BAMR options meeting; Submission of draft documents

4/01/05	Drilling of boreholes and installation of piezometers
4/04/05	McDonald Borough Council meeting; EIS attended and presented
4/04/05	Drilling of boreholes and installation of piezometers
4/04/05-4/08/05	Daily monitoring of water levels at "blowout", P1, P2, 15, 16, 17B, 18, 19, 20, 21, 24B by BAMR; Monitoring wells 25A, 26A, 27B, 29, 31 added starting 4/6/05
4/04/05-4/08/05	Pumping at "blowout" continues with 6" pump; Number of pumping hours varies
4/04/05	Installation of siphons 1 & 2
4/05/05	Initiated siphons 1 & 2
4/06/05	Monitoring of water levels by EIS; Piezometers bailed for water sampling
4/07/05	Water sampling and monitoring of water levels by EIS
4/08/05	Construction inspection; Moved and set-up siphons 3 & 4; Begin test pit excavations; Pumping ceased at "blowout"; Pump maintained at "blowout" for "back-up" to protect densely-populated residential area and public utilities
4/09/05	Monitoring of water levels by EIS; Pumping and lowering of mine pool from sump in "Alexander Run" Watershed with second 6" pump
4/10/05-4/11/05	Temporary gravity drain installed at Test Pit 1 in "Alexander Run" Watershed; Mine Pool Investigation/Draw-down
4/11/05-4/15/05	Daily monitoring of water levels at "blowout", P1, P2, 15, 16, 17B, 18, 19, 20, 21, 24B, 25A, 26A, 27B, 29, 31 by BAMR
4/13/05	Initial "Miller Run" Sump Riser at Test Pit 3 installed due to safety considerations
4/18/05-4/22/05	Daily monitoring of water levels at "blowout", P1, P2, 15, 16, 17B, 18, 19, 20, 21, 24B, 25A, 26A, 27B, 29, 31 by BAMR
4/18/05	Design-Build Proposal and Cost Estimate submitted to BAMR
4/20/05	Site visit with Rich Beam, BAMR
4/25/05-4/29/05	Daily monitoring of water levels at "blowout", P1, P2, 15, 16, 17B, 18, 19, 20, 21, 24B, 25A, 26A, 27B, 29, 31 by BAMR
4/26/05	BAMR response with comments to EIS Design-Build Proposal
4/27/05	Response to BAMR comments regarding EIS Design-Build Proposal; Pre-construction field meeting; Housley property protection issues addressed
4/29/05	Final Design Proposal sent to Bruce Leavitt for review
5/02/05-present	Twice weekly monitoring of water levels at "blowout", P1, P2, 15, 16, 17B, 18, 19, 20, 21, 24B, 25A, 26A, 27B, 29, 31 by BAMR
5/02/05	McDonald Borough Council meeting; EIS attended and presented
5/02/05-5/05/05	Primary Drain design, construction, and footer installation
5/06/05-5/09/05	Installed Secondary Drain and Early Warning System
5/13/05-5/19/05	Primary Drain construction
5/13/05	Field meeting with Bruce Leavitt
5/16/05	Bruce Leavitt response to review
5/20/05	Adjustable weir, grate, lid, stilling well, and staff gage installation at Primary Drain
5/23/05	Construction completed (facilities online) for Primary Drain, Secondary Drain, and Early Warning System
5/24/05	Post-construction inspection
5/26/05	Press event for final solution; Appears on TV Channels 4 and 11 evening news
5/27/05	Article "Fixing McDonald's Water Woes" appears in Observer Reporter and "State unveils 'permanent' fix to town's gushing coal mine" article appears in Pittsburgh Post-Gazette
6/10/05	EIS receives call from McDonald Borough Secretary that "blowout" leaking water; Borough Secretary later reports that water is from a break in a municipal water line not mine; EIS on site in 20 minutes; Monitoring of water levels by EIS; Final Report Meeting with BAMR
6/16/05	Monitoring of water levels at Primary and Secondary Drains and Early Warning System by EIS