

BAMR Completed, Active and Future Construction Projects

Project Number	Title/Operator	County	Township	Completion Date (Anticipated)	Date Awarded (Anticipated)	Project Acreage	Project Cost or Estimate	Project Type	Problem Type	Funding Breakdown					
										BIL	Title IV	AML Eco. Revitalization Prog.	AMD Set Aside	Collected Bond	Bond Forfeiture & State Programs
Projects Completed during Calendar Year 2023															
BD 3865	FLANIGAN SUBSIDENCE	Allegheny	Baldwin	9/11/2023	9/11/2023	0.1	\$1,796	AML	VO			\$1,796			
BD 3824	JOHNSON MINE DRAINAGE SYSTEM	Allegheny	Braddock Hills	5/30/2023	5/8/2023	0.1	\$14,642	AML	DS			\$14,642			
BD 3832 EMER	EVANS SUBSIDENCE	Allegheny	Carnegie	2/1/2023	2/1/2023	0.1	\$2,111	AML	VO			\$2,111			
BD 3859	BELSTERLING SUBSIDENCE	Allegheny	Collier	6/23/2023	6/23/2023	0.0	\$772	AML	VO			\$772			
BD 3843 EMER	DOUGHERTY MINE SUBSIDENCE	Allegheny	Elizabeth	2/10/2023	2/10/2023	0.1	\$1,340	MSC	VO, S			\$1,340			
BD 3874 EMER	PAYNE MINE SUBSIDENCE	Allegheny	Elizabeth	8/31/2023	8/31/2023	0.1	\$1,459	AML	VO			\$1,459			
BD 2342 R14	TRUSCHEL PIPE CLEANING	Allegheny	Forest Hills	9/7/2023	9/7/2023	0.1	\$1,014	AML	DS			\$1,014			
BD 3862 EMER	JUDY LANE	Allegheny	Monroeville	6/20/2023	6/19/2023	0.2	\$8,666	MSC	S			\$8,666			
BD 3851 EMER	YORKTOWN HALL SUBSIDENCE II	Allegheny	Moon	4/17/2023	4/17/2023	0.1	\$2,432	AML	VO			\$2,432			
BD 3830 EMER	ARBOGAST MINE SUBSIDENCE	Allegheny	North Versailles	1/12/2023	1/12/2023	0.1	\$1,560	AML	VO			\$1,560			
BD 2291 R17	CONTURO PIPE CLEANING	Allegheny	Penn Hills	6/27/2023	6/27/2023	0.1	\$1,223	AML	CS			\$1,223			
BD 2391 R20	CLEANED PIPE	Allegheny	Pittsburgh	5/3/2023	5/3/2023	0.1	\$539	AML	CS			\$539			
BD 2766 R23	ST NORBERTS CLEANED PIPE	Allegheny	Pittsburgh	5/3/2023	5/3/2023	0.0	\$351	AML	WA, DS			\$351			
BD 3370 EMER R2	ROBINSON MINE SUBSIDENCE 2	Allegheny	Pittsburgh	8/10/2023	8/10/2023	0.1	\$1,122	AML	VO			\$1,122			
BD 3766 EMER R1	CRAFTON HEIGHTS HOLE FILLED	Allegheny	Pittsburgh	4/25/2023	4/25/2023	0.1	\$530	AML	VO			\$530			
BD 3869 EMER	HOLMAN MINE SUBSIDENCE	Allegheny	Pittsburgh	7/31/2023	7/31/2023	0.1	\$1,669	AML	VO			\$1,669			
BD 3872 EMER	POREMSKI SUBSIDENCE	Allegheny	Pittsburgh	8/22/2023	8/22/2023	0.1	\$743	MSC	S			\$743			
BD 2533 R16	CLEANED PIPE	Allegheny	Plum	9/8/2023	9/8/2023	0.1	\$1,204	AMD	DS			\$1,204			
BD 3691 R1	PLUM CREEK PIPE CLEANOUT	Allegheny	Plum	7/24/2023	7/24/2023	0.0	\$698	AML	CS			\$698			
BD 3835 EMER	DAVIDSON ROAD MINE SUBSIDENCE	Allegheny	Plum	1/24/2023	1/24/2023	0.1	\$1,670	AMLD	S			\$1,670			
BD 3882 EMER	ROMINE AVENUE MINE SUBSIDENCE	Allegheny	Port Vue	12/28/2023	12/28/2023	0.1	\$3,911	AML	VO			\$3,911			
BD 3829 EMER	SCHANG SUBSIDENCE	Allegheny	Robinson	1/9/2023	1/9/2023	0.1	\$2,653	AML	VO			\$2,653			
BD 2548 R5	DIERINGER CLEANING PIPE	Allegheny	Roslyn Farms	8/24/2023	8/24/2023	0.1	\$1,007	AMD				\$1,007			
BD 3015 R12	LEDRIK MINE PIPE CLEANING	Allegheny	Scott	1/26/2023	1/26/2023	0.1	\$1,135	AML	DS			\$1,135			
OSM 02(1719)104.1 EMER	WHISKEY RUN PIPE CLEAN	Allegheny	Scott	5/30/2023	4/14/2023		\$3,500	AML	DI		\$3,500				
BD 3873	WALKER SUBSIDENCE	Allegheny	South Fayette	10/16/2023	10/16/2023	0.0	\$1,217	AML	VO			\$1,217			
BD 3852 EMER	KOLAR SUBSIDENCE	Allegheny	South Park	4/20/2023	4/20/2023	0.1	\$4,622	AML	VO			\$4,622			
BD 3307 R1	MESINA MINE PIPE CLEANING	Allegheny	West Mifflin	4/26/2023	4/26/2023	0.3	\$1,005	AMLD	UMF, CS			\$1,005			
BD 3856 EMER	BRUGOS SUBSIDENCE	Allegheny	West Mifflin	4/25/2023	4/25/2023	0.1	\$731	AML	VO			\$731			
BD 3861 EMER	BAILEY MINE SUBSIDENCE	Allegheny	Wilkins	6/5/2023	6/5/2023	0.1	\$1,882	AML	VO			\$1,882			
BD 3877 EMER	ZAYAS MINE SUBSIDENCE	Allegheny	Wilkins	9/28/2023	9/28/2023	0.1	\$1,937	AMLD	S			\$1,937			
BD 3836 EMER	CLOW MINE SUBSIDENCE	Beaver	New Sewickley	1/20/2023	1/18/2023	0.1	\$4,854	AMLD	S			\$4,854			
BD 2187 R16	WATTERSON CLEANED PIPE	Butler	Buffalo	2/24/2023	2/24/2023	0.1	\$661	AML	CS			\$661			
BD 3831 EMER	LEAMER MINE SUBSIDENCE	Cambria	N Cambria	1/17/2023	1/17/2023	0.1	\$1,585	MSC	S			\$1,585			
OSM 11(3266)102.1	CYMBRIA II	Cambria	Susquehanna	5/15/2023	8/31/2021	22.0	\$365,981	AMLS	DH, SA			\$365,981			
OSM 11(2464)104.1	VINTONDALE PILE GHOST TOWN TRAIL	Cambria	Vintondale	11/22/2023	12/27/2021	11.0	\$539,222	AML	DPE			\$0	\$539,222		
BD 2867 R2	CERNIC CLEANED PIPE	Cambria	West Taylor	4/18/2023	4/18/2023	0.1	\$1,213	AML				\$1,213			
OSM 13(2107)102.1 EMER	CRYDER SUBSIDENCE	Carbon	Beaver Meadows	4/19/2023	1/23/2023	0.1	\$51,595	AML	S		\$51,595				
OSM 16(1051)101.1	MAHLES RUN	Clarion	Knox	11/28/2023	3/6/2023	9.0	\$95,103	AML	DH, SA, P		\$95,103				
OSM 16(1041)101.1	MANOR CHURCH SOUTHEAST	Clarion	Paint	6/15/2023	2/3/2022	25.8	\$373,149	AML	DH, SA, P			\$373,149			
BD 2506 R10	MCAFOOSE CLEANED PIPE	Clarion	Redbank	7/10/2023	7/10/2023	0.1	\$1,015	AMD	HEF			\$1,015			
BD 2506 R9	MCAFOOSE CLEANED PIPE	Clarion	Redbank	4/21/2023	4/21/2023	0.1	\$1,253	AMD	HEF			\$1,253			
BD 1820 R20	CLEANED PIPE	Clearfield	Clearfield	11/9/2023	11/9/2023	0.1	\$767	AMD	DS			\$767			
BD 2457 R9	MAHONEY CLEANED PIPE	Clearfield	Clearfield	5/3/2023	5/3/2023	0.1	\$1,009	AML	S			\$1,009			
BD 2151 R15	CLEANED PIPE	Clearfield	Cooper	5/4/2023	5/4/2023	0.1	\$450	AMD	DS			\$450			
OSM 17(1083)104.1	SOUTH GRASSFLAT 4	Clearfield	Cooper	11/16/2023	10/28/2022	11.5	\$274,989	AML	DH, PI, SA			\$274,989			
BD 3845 EMER	SUHONEY MINE SUBSIDENCE	Clearfield	Decatur	3/13/2023	3/13/2023	0.1	\$546	AMLD	VO			\$546			
BD 3849 EMER	MILLS SUBSIDENCE	Clearfield	Decatur	4/11/2023	4/11/2023	0.1	\$1,369	AMLD	VO			\$1,369			
OSM 17(1192,7157)101.1	EDEN EAST WATERLINE	Clearfield	Goshen	7/31/2023	11/23/2021	4.0	\$3,856,964	WTRLN	PWHC			\$1,121,210	\$2,735,754		
OSM 17(0846)101.1	WALTZVALE WEST	Clearfield	Gulich	4/11/2023	7/26/2021	31.0	\$424,449	AML	DH, SA			\$424,449			
BD 2133 R7	VESSA MINE DRAINAGE PIPE CLEANED	Clearfield	Lawrence	10/10/2023	10/10/2023	0.1	\$754	AMD	DS			\$754			
BD 1963 R10	CLEANED PIPE	Clearfield	Morris	7/6/2023	7/6/2023	0.0	\$1,010	AML	DS			\$1,010			
BD 3853 EMER	PAWELKO MINE SUBSIDENCE	Clearfield	Morris	5/2/2023	5/2/2023	0.1	\$594	AMLD	VO			\$594			
BD 3788 EMER	HOUTZ STREET SUBSIDENCE	Clearfield	Woodward	6/7/2023	6/7/2023	0.1	\$680	MSC	VO			\$680			

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										BIL	Title IV	AML Eco. Revitalization Prog.	AMD Set Aside	Collected Bond	Bond Forfeiture & State Programs
OSM 18(1123,6679)101.1	HULING BRANCH EAST	Clinton	Noyes	8/25/2023	5/20/2021	18.8	\$3,969,621	AML	DH, GO, SA, SL, DPE		\$445,170	\$3,000,000	\$524,451		
BD 3858	WINSLOW HILL III E REMEDIAL (RD REPAIR)	Elk	Benezette	5/25/2023	5/22/2023	0.1	\$10,177	AML	SA		\$10,177				
BD 3846 EMER	GEORGES TWP MINE SUBSIDENCE	Fayette	Georges	3/13/2023	3/13/2023	0.1	\$1,352	AMLD	VO		\$1,352				
BD 3833 EMER	DUPONT MINE SUBSIDENCE	Fayette	German	1/23/2023	1/23/2023	0.1	\$1,878	AMLD	VO		\$1,878				
BD 3840	HAJEK MINE SUBSIDENCE	Fayette	German	4/24/2023	4/24/2023	0.0	\$2,896	AMLD	VO		\$2,896				
BD 3844 EMER	HONSAKER 2 MINE SUBSIDENCE	Fayette	German	3/8/2023	3/8/2023	0.1	\$2,753	AMLD	VO		\$2,753				
OSM 26(2749)102.1 EMER	PLUMMER PURITAN (1098 LECKRONE MASONTOWN RD)	Fayette	German	9/6/2023	8/7/2023	1.4	\$123,458	AMLD	S	\$123,458					
AMD 26(2768)102.1	CUCUMBER RUN (PTS REHAB)	Fayette	Stewart	11/10/2023	11/8/2022	3.2	\$378,640	AMDTTP	WA				\$378,640		
OSM 26(4702)101.1	FULL GOSPEL CHURCH	Fayette	Stewart	6/1/2023	9/24/2021	20.5	\$627,501	AMLS	DH, SA		\$117,501	\$500,000			\$10,000
OSM 26(0149)103.1	GLOWACKI UMF (PRITTSTOWN UMF)	Fayette	Upper Tyrone	1/19/2023	10/4/2022	2.5	\$553,248	MFC	UMF		\$553,248				
OSM 26(2757)104.1 EMER	FAIRHOPE (MULTI-STRUCTURE SUBSIDENCE II)	Fayette	Washington	5/24/2023	10/17/2022	3.0	\$851,570	MSC	S		\$851,570				
OSM 26(2757)105.1 EMER	FAIRHOPE (MULTI-STRUCTURE SUBSIDENCE III)	Fayette	Washington	12/18/2023	10/2/2023	2.1	\$2,149,931	AML	S	\$2,149,931					
OSM 32(3327)102.1 EMER	GLEN CAMPBELL NORTH (314 FIRE TOWER ROAD)	Indiana	Banks	6/12/2023	5/22/2023	0.5	\$78,365	AMLD	S	\$78,365					
BD 2191 R11	ROMANIE PIPE CLEANED	Indiana	Creekside	2/21/2023	2/21/2023	0.1	\$360	AML	DS		\$360				
OSM 32(2443)101.1	TAYLORSVILLE SOUTH	Indiana	Green	6/30/2023	7/22/2022	1.0	\$202,461	AML	DS		\$202,461				
OSM 32(2443)102.1 EMER	TAYLORSVILLE SOUTH (WATERLINE EXT)	Indiana	Green	7/14/2023	2/16/2023	0.2	\$120,525	AML	DS		\$120,525				
BD 3516 R3	DOVERSPIKE CLEANED PIPE	Jefferson	Perry	8/9/2023	8/9/2023	0.1	\$1,315	AMD	WA		\$1,315				
AD 1288 EMER	GRANZA SUBSIDENCE	Lackawanna	Blakely	4/5/2023	4/5/2023	0.3	\$3,078	AML	VO		\$3,078				
AD 1289 EMER	GARFIELD STREET SUBSIDENCE	Lackawanna	Jermyn	2/21/2023	2/21/2023	0.3	\$1,206	AML	VO		\$1,206				
AD 1287 EMER	SCRANTON HS BASEBALL FIELD SUBSIDENCE	Lackawanna	Scranton	3/21/2023	3/21/2023	0.3	\$2,626	AML	VO		\$2,626				
BD 3834 EMER	KINGSTON MINE SUBSIDENCE	Lawrence	Neshannock	1/18/2023	1/18/2023	0.1	\$1,346	MSC	S		\$1,346				
BD 3842 EMER	COOK MINE SUBSIDENCE	Lawrence	Neshannock	2/9/2023	2/9/2023	0.1	\$1,637	AMLD	VO, S		\$1,637				
BD 3854 EMER	RODGERS MINE SUBSIDENCE	Lawrence	Neshannock	4/19/2023	4/19/2023	0.1	\$1,282	AMLD	S		\$1,282				
BD 3855 EMER	ULRICH MINE SUBSIDENCE	Lawrence	Neshannock	4/19/2023	4/19/2023	0.1	\$1,106	AMLD	S		\$1,106				
BD 3656 EMER R4	CASTLEWOOD W CLEANED PIPE	Lawrence	Shenango	7/11/2023	7/11/2023	0.1	\$477	AML	DS		\$477				
AD 1282	ECKLEY WETLAND MAINTENANCE	Luzerne	Foster	5/11/2023	5/11/2023	0.0	\$3,787	AML	DH		\$3,787				
OSM 40(1562)101.1 EMER	TARUTIS SUBSIDENCE	Luzerne	Hanover	6/8/2023	12/16/2022	1.0	\$82,382	AML	VO		\$82,382				
OSM 40(2151)101.5 EMER	GLENN LYON BANK	Luzerne	Newport	2/23/2023	1/24/2023	28.0	\$203,959	AML	DPE	\$203,959					
AD 1300 EMER	LOPRESTO SUBSIDENCE	Luzerne	Pittston	8/2/2023	8/2/2023	1.0	\$2,102	AML	VO		\$2,102				
AD 1304 EMER	TARNALICKI SUBSIDENCE	Luzerne	Plains	10/12/2023	10/12/2023	0.1	\$838	AML	VO		\$838				
AD 1283	AVONDALE CUPOLA MAINTENANCE	Luzerne	Plymouth	1/9/2023	1/9/2023	0.1	\$1,590	AML	VO		\$1,590				
OSM 40(2138)107.1 EMER	130 SICKLER HILL ROAD SUBSIDENCE	Luzerne	Plymouth	6/19/2023	11/18/2022	0.5	\$335,583	AML	CS		\$335,583				
AD 1284 EMER	HARDIMAN SUBSIDENCE	Luzerne	West Wyoming	1/10/2023	1/10/2023	1.0	\$2,647	AML	VO		\$2,647				
BD 3839 EMER	NOVOTNY MINE SUBSIDENCE	Mercer	Liberty	1/31/2023	1/31/2023	0.1	\$1,936	AMLD	S		\$1,936				
OSM 54(2029)102.1	DONALDSON CULM BANK STREAM RESTORATION (GA)	Schuylkill	Frailey	10/15/2023	12/26/2018	60.0	\$6,600,000	AML	DH, CSL, SA, CS, HWB		\$4,600,000	\$2,000,000			
OSM 54(1388)101.1 EMER	SAINT CLAIR HOME DEPOT ROCK SLIDE	Schuylkill	Saint Clair	2/2/2023	11/18/2022	1.0	\$45,904	AML	DH		\$45,904				
OSM 54(2011)103.1	ANTHRACITE UPLAND POINTING DOG ASSOCIATION (GA)	Schuylkill	Tremont	6/15/2023	1/3/2020	18.3	\$426,273	AML	DH, SA			\$426,273			
OSM 54(1015)104.1 EMER	LOST CREEK FLOOD CONTROL	Schuylkill	West Mahanoy	1/16/2023	12/7/2022	1.0	\$148,145	AML	CS		\$148,145				
BD 3868 EMER	MORRIS MINE SUBSIDENCE	Somerset	Paint	8/3/2023	8/3/2023	0.1	\$893	AMLD	VO		\$893				
OSM 61(2906)102.1	VENANGO # 1 (GA)	Venango	Irwin	10/31/2023	3/12/2018	52.0	\$2,444,399	BANK	PWHC, HEF, GO, SA, SL, DPE			\$2,444,390			
BD 2991 R5	KOTOUGH PIPE CLEANING	Washington	Burgettstown	6/22/2023	6/22/2023	0.1	\$351	AMD	DS		\$351				
BD 3540 R1	BOWDEN PIPE CLEANING	Washington	Burgettstown	6/22/2023	6/22/2023	0.1	\$538	AMD	DS		\$538				
BD 3879 EMER	560 RIDGE AVE MINE SUBSIDENCE	Washington	Chartiers	11/6/2023	11/6/2023	0.0	\$1,603	AML	VO		\$1,603				
BD 3214 R4	FLEMING MINE DRAINAGE	Washington	Fallowfield	6/6/2023	6/6/2023	0.1	\$1,823	AMD	DS		\$1,823				

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OSM 63(3803)102.1	MONONGAHELA SOUTH # 1 (CONSULT.DESIGN)	Washington	Monongahela	5/31/2023	6/29/2022	0.8	\$627,755	AML	DS		\$627,755				
BD 2404 R15	CLEANED PIPE	Washington	Robinson	11/27/2023	11/27/2023	0.1	\$504	AML	DS		\$504				
BD 2798 R19	PIPE CLEANING	Washington	Robinson	12/4/2023	12/4/2023	0.0	\$763	AML	DS		\$763				
BD 3857 EMER	BURGETTSTOWN AREA SCHOOL MINE DRAIN PIPE	Washington	Smith	5/1/2023	5/1/2023	0.1	\$1,193	AMLD	DS		\$1,193				
BD 3848 EMER	PIKE RUN STREAM SUBSIDENCE	Washington	West Pike Run	6/28/2023	3/27/2023	0.2	\$31,974	AMLD	VO		\$31,974				
BD 3841 EMER	LATROBE STEEL RD MINE SUBSIDENCE	Westmoreland	Derry	2/2/2023	2/2/2023	0.1	\$496	AML	VO		\$496				
BD 3847 EMER	PALUMBO MINE SUBSIDENCE	Westmoreland	Derry	4/7/2023	4/7/2023	0.1	\$2,142	AML	VO		\$2,142				
BD 3866 EMER	206 BEARFIELD DR MINE SUBSIDENCE	Westmoreland	East Huntingdon	7/12/2023	7/12/2023	0.0	\$1,412	AML			\$1,412				
BD 3875	KIRAL MINE SHAFT	Westmoreland	East Huntingdon	11/13/2023	11/13/2023	0.0	\$1,763	AML	VO		\$1,763				
OSM 65(1233)101.1	DELMONT MINE	Westmoreland	Hempfield	11/24/2023	2/22/2023	0.9	\$54,722	AMLD	S	\$54,722					
BD 3871 EMER	AUKERMAN MINE SUBSIDENCE	Westmoreland	Mount Pleasant	8/30/2023	8/30/2023	0.1	\$1,732	AML	VO		\$1,732				
BD 3878 EMER	LUSEBRINK MINE SUBSIDENCE	Westmoreland	N Huntingdon	11/7/2023	11/7/2023	0.1	\$1,798	AML	VO		\$1,798				
OSM 65(2553)108.1 EMER	N BELLE VERNON (KELLY/ORCHARD AVE)	Westmoreland	Rostraver	7/17/2023	5/16/2023	1.0	\$558,028	MSC	S	\$558,028					
BD 3758	SUGAR RUN SGL #42	Westmoreland	Saint Clair	12/7/2023	10/27/2022	0.0	\$140,226	AMLS	DH		\$140,226				
2023 Completions:		112	Projects			341.7	\$26,886,419			\$3,318,659	\$11,009,019	\$11,645,639	\$903,091	\$0	\$10,000

Projects Completed Year-to-date, Calendar Year 2024

BD 2165 R6	DORCON CLEAN PIPE	Fayette	Fayette City	2/16/2024	2/16/2024	0.1	\$420	AML	WA, CS		\$240				
BD 2187 R17	WATTERSON CLEANED PIPE	Butler	Buffalo	2/26/2024	2/26/2024	0.1	\$1,453	AML	CS		\$1,453				
BD 2447 R6	TODARO MINE PIPE CLEANING	Fayette	Washington	2/16/2024	2/16/2024	0.1	\$2,464	AML	WA, CS		\$370				
BD 2447 R6	TODARO MINE PIPE CLEANING	Fayette	Washington	2/16/2024	2/16/2024	0.1	\$2,464	AML	WA, CS		\$2,092				
BD 2650 R11	REOPEN TO CLEAN PIPE	Allegheny	Penn Hills	1/30/2024	1/30/2024	0.0	\$778	AML	CS		\$778				
BD 2675 R5	REOPEN TO CLEAN PIPE	Allegheny	Monroeville	2/21/2024	2/21/2024	0.0	\$420	AML	DS		\$420				
BD 2678 R3	CLEANED PIPE	Allegheny	Forest Hills	1/26/2024	1/26/2024	0.1	\$572	AMD	DS		\$572				
BD 2744 R4	PATTERSON PIPE CLEANING	Allegheny	Penn Hills	2/9/2024	2/9/2024	0.1	\$774	AMD			\$774				
BD 3127 R1	BACCO PIPE CLEANING	Allegheny	Monroeville	2/21/2024	2/21/2024	0.3	\$307	AMD	DS		\$307				
BD 3850	MILLS SUBSIDENCE	Clearfield	Decatur	2/22/2024	12/10/2023	0.1	\$6,231	AMLD	SP		\$6,231				
BD 3883 EMER	ZANOLLI MINE SUBSIDENCE	Washington	Chartiers	1/12/2024	1/12/2024	0.0	\$507	AML	VO		\$507				
BD 3886 EMER	HEINRICH MINE SUBSIDENCE	Clearfield	Houtzdale	2/8/2024	1/18/2024	0.1	\$2,758	AMLD	VO		\$2,758				
BD 3888 EMER	TRANSVERSE PARK SUBSIDENCE	Allegheny	Mount Oliver	2/1/2024	2/1/2024	0.1	\$6,104	AML	VO		\$6,104				
BD 3890 EMER	STULL MINE SUBSIDENCE	Westmoreland	Delmont	2/6/2024	2/6/2024	0.1	\$1,318	AML	VO		\$1,318				
OSM 02(0389)102.1 EMER	VANE ST (MULTI STRUCTURE SUBSIDENCE)	Allegheny	Pittsburgh	2/8/2024	11/7/2023	1.8	\$601,123	AML	S	\$601,123					
2024 Completions:		15	Projects			3.1	\$627,692			\$601,123	\$23,923	\$0	\$0	\$0	\$0

Active Projects, Under Construction, Future Completion Date

AMD 02(0441)101.1	GLADDEN AMD TREATMENT PLANT & FISHING RUN STREAM SEAL (GA)	Allegheny	South Fayette		5/11/2020	8.0	\$14,167,890	AMDTC	WA, S			\$7,131,886	\$7,036,004		
AMD 02(0450)101.1	PRESTO-SYGAN AMD REMEDIATION AT NEWBURY MARKET (GA)	Allegheny	South Fayette	11/20/2021	11/9/2020	6.0	\$1,492,000	AMDTP	WA			\$1,492,000			
AMD 05(2034,2058,4997)101.1	SIX MILE RUN WATERSHED AMD PASSIVE TREAT SYSTEMS MAIN (GA)	Bedford	Broad Top	11/30/2021	8/7/2020	0.0	\$399,000	AMDTP	WA			\$350,000	\$49,000		
AMD 13(3700)103.1	QUAKAKE TUNNEL WEATHERLY BOROUGH TRAIL (GA)	Carbon	Lehigh	10/31/2020	9/4/2018	54.4	\$1,500,000	AMD	WA			\$1,500,000			

BAMR Completed, Active and Future Construction Projects

Project Number	Title/Operator	County	Township	Completion Date (Anticipated)	Date Awarded (Anticipated)	Project Acreage	Project Cost or Estimate	Project Type	Problem Type	Funding Breakdown					
										BIL	Title IV	AML Eco. Revitalization Prog.	AMD Set Aside	Collected Bond	Bond Forfeiture & State Programs
AMD 16(1174,1175,1177)101.1	MILL CREEK WATERSHED QUAL HYDRO UNIT PLAN (GA)(SA160058)	Clarion	Clarion		7/1/2017	0.0	\$27,850	AMD				\$27,850			
AMD 24(6133,6134)101.1	BLUE VALLEY-BRANDY CAMP TRT PLTS H2O2 SYSTEMS	Elk	Horton	6/30/2021	9/11/2020	0.0	\$209,457	AMDTC	WA	\$0		\$209,457			
AMD 24(6157)102.1 (SA140142)	CHERRY RUN RESTORATION PROJECT - K DISCHARGES (GA)	Elk	Jay		5/20/2015	0.0	\$734,737	AMD				\$734,737			
AMD 29(0280)101.1	ALVAN (GREAT TROUGH CREEK)	Fulton	Wells	7/2/2024	1/31/2023	45.0	\$3,990,990	AMD	H, SA, P	\$3,990,990					
AMD 32(2404,2456)101.1	YELLOW CREEK QHU DEVELOPEMNT(SA170177) (GA)	Indiana	Brush Valley	6/30/2021	12/1/2018	0.0	\$83,624	AMD				\$83,624			
AMD 32(2722)102.1 (DGS 193-38)	BLACKLICK CREEK TREATMENT FACILITY (WEHRUM)	Indiana	Buffington	3/11/2025	4/6/2022	33.7	\$26,158,499	AML	WA, VO, CS		\$8,900,470	\$3,258,029		\$14,000,000	
AMD 54(4124)106.2 (SA140143)	RAUSCH CREEK MINE POOL & DISCHARGE TRANSPORT (GA)	Schuylkill	Hegins		5/18/2015	0.0	\$440,559	AMDTC	WA, PWAI			\$440,559			
AMD 54(4134)101.1	LORBERRY TREATMENT SYSTEM PROJECT (GA)	Schuylkill	Tremont		1/7/2020	0.0	\$137,633	AMDTP	PWAI			\$137,633			
AMD 54(4168)101.1	UPPER SWATARA CREEK QHUP AMD MONITORING PROJ (SA150099)(GA)	Schuylkill	Foster		5/17/2016	0.0	\$67,024	AMD				\$67,024			
AMD 56(0778)101.1	LAMBERTS RUN PHASE II (GA)	Somerset	Stonycreek	6/30/2021	12/1/2018	0.0	\$551,319	AMDTP				\$551,319			
AMD 56(4833)103.1	COAL RUN SGL 228 LIMESTONE BED PH II - GAHAGAN(SA170161)(GA)	Somerset	Central City	6/30/2021	12/1/2018	0.0	\$208,141	AMDTP	WA			\$208,141			
OSM 07(1889)101.1	KERBAUGH RD	Blair	Antis	2/2/2026	9/19/2022	22.0	\$5,936,520	CRD	DPE		\$5,936,519				
OSM 17(6868)101.1	SMOKE RUN EAST	Clearfield	Gulich	4/21/2024	3/7/2023	14.8	\$687,423	AML	DH, SA	\$687,423					
OSM 32(3821)101.1	STATE GAME LANDS 332	Indiana	Black Lick		2/15/2023	100.0	\$3,200,000	AML	WA, DH, SA		\$3,200,000				
OSM 35(2080)105.1	STERRY CREEK S-DOLPH MINE FIRE	Lackawanna	Olyphant	1/19/2023	1/31/2020	75.0	\$9,333,282	MFC	DH, CSL, SA, PI, UMF, SB	\$1,000				\$9,332,282	
OSM 40(0263)102.1	CAN DO NORTH PARK DRIVE (GA)	Luzerne	Hazleton	10/31/2020	4/3/2019	4.0	\$2,657,900	AML	DH, VO, HWB	\$657,900	\$2,000,000				
OSM 40(0493,3724,3725)101.1	HOLLARS HILL S AML - CRANBERRY CREEK GATEWAY PROJECT	Luzerne	Hazle	10/6/2022	1/8/2021	150.0	\$3,988,000	AMLS	DH, HEF, SA, VO, IRW, DPE	\$2,488,000	\$1,500,000				
OSM 40(1665)101.1	EC BLISS BANK 3 (GA)	Luzerne	Hanover	10/31/2020	8/9/2018	55.0	\$3,026,835	AML	DH, SA	\$526,835	\$2,500,000				
OSM 40(2233)103.1	SWOYERSVILLE REFUSE PILE-COMMUNITY ATHLETIC AREA (GA)	Luzerne	Swoyersville		9/21/2018	7.5	\$4,000,000	AML	DPE	\$2,004,891	\$1,995,109				
OSM 40(2247)102.1	NO. 9 COAL MINE & MUSEUM COMPLEX/DORRANCE COLLIERY (GA)	Luzerne	Wilkes-Barre	10/31/2021	3/12/2020	2.0	\$2,885,000	FAC	HEF	\$1,505,000	\$1,380,000				
OSM 40,54(1385,3723,3722)101.1	AUDENRIED COAL TO SOLAR PH 1	Schuylkill	Kline	5/12/2024	8/18/2022	155.0	\$6,959,094	AMLS	HEF, SA, IRW, DPE		\$6,959,094				
OSM 54(1160)101.1	PORTER FLOODPLAIN RESTORATION (GA)	Schuylkill	West Brunswick	10/31/2020	9/11/2018	10.0	\$2,200,000	AML	CSL, EF	\$200,000	\$2,000,000				
OSM 64(4272,4271)102.1	FOREST CITY EAST - PFBC ACCESS	Wayne	Clinton	4/2/2024	11/9/2022	45.0	\$2,843,138	AMLS	GO, DPE		\$2,843,138				
Future Completions:		27	Contracts			787.4	\$97,885,915			\$4,678,413	\$7,383,626	\$49,688,216	\$12,803,377	\$0	\$23,332,282

Active Design Projects, Future Contract Award Date

AMD 02(0459)103.1 (GA)	CHALFANT RUN (PTS CONST)	Allegheny	Churchill			4.0		AMDTP	WA					
AMD 02(0459)103.2 (GA)	CHALFANT RUN (PTS DESIGN)	Allegheny	Churchill			4.0		AMDTP	WA					
AMD 03(1937)102.1	SUGAR CREEK PASSIVE TREATMENT SYSTEM REHAB	Armstrong	Bradys Bend			2.5		AMD	WA					
AMD 11(0623,2473)101.1	LITTLE CONEMAUGH TREATMENT PLANT-HUGHES & SONMAN DISCHARGES	Cambria	Portage			0.0		AMD	WA					
AMD 13(3700)102.1	QUAKAKE TUNNEL TREATMENT PLANT	Carbon	Packer		10/28/2024	12.0		AMD	WA					
AMD 14(0850)103.1	COLD STREAM PASSIVE SYSTEM REHAB	Centre	Rush			5.0		AMDTP	WA					

BAMR Completed, Active and Future Construction Projects

Project Number	Title/Operator	County	Township	Completion Date (Anticipated)	Date Awarded (Anticipated)	Project Acreage	Project Cost or Estimate	Project Type	Problem Type	Funding Breakdown					
										BIL	Title IV	AML Eco. Revitalization Prog.	AMD Set Aside	Collected Bond	Bond Forfeiture & State Programs
AMD 18(1122)104.1 (GA)	ROBBINS HOLLOW (ROBBINS HEADWATER)	Clinton	Noyes			0.0		AMDTP	WA						
AMD 24(3888)102.2 (GA)	DARK HOLLOW	Elk	Benezette					AMDTP	WA						
AMD 26(0429)105.2 (GA)	MELCROFT (TREATMENT SYSTEM REHAB PROJECT DESIGN)	Fayette	Saltlick			0.0		AMDTP	WA						
AMD 26(4711)102.1	MARSOLINO LOW WALL DRAIN-PHASE II PASSIVE TREATMENT SYSTEM	Fayette	Saltlick			0.0		AMDTP	WA						
AMD 59(1906,6661)101.1	MORRIS RUN AMD TREATMENT PLANT (TIOGA RIVER)	Tioga	Blossburg		2/1/2025	9.0		AMDTC	WA						
AMD 65(1948,4415)101.1	POWDERMILL NATURE RESERVE	Westmoreland	Cook		1/1/2024	27.0		AMD	WA, H, SA						
CRF 002-105.1	BANNING/WEST NEWTON COAL LOGISTICS REFUSE PILE	Westmoreland	Rostraver		9/30/2024	100.0		CRD	DPE						
OSM 02(0057)101.1	HOLLYWOOD DRIVE	Allegheny	Jefferson Hills			10.0		AML	DPE						
OSM 02(0275)101.1	KARAFFA MINE DRAINAGE	Allegheny	Port Vue			0.0		AML	UMF						
OSM 02(0614)102.1	TARENTUM NORTH-TOUR ED MINE	Allegheny	Fawn		7/31/2024	10.0		AML	DH						
OSM 02(1719)105.1	WHISKEY RUN	Allegheny	Scott		10/31/2024	1.0		AML	HEF, GO, CSL						
OSM 02(1726)102.1	GRAHAM BOULEVARD	Allegheny	Penn Hills			4.5		AML	DS						
OSM 02(2983)101.1	STEWART SCHOOL S.W.	Allegheny	Plum		8/31/2024	19.8		AMLS	DH, SA						
OSM 03(0930)101.1	RIMER	Armstrong	Madison		3/30/2027	5.0		AML	DS						
OSM 03(1172)101.1	RUPP RUN SOUTH	Armstrong	Manor			0.1		AML	CS						
OSM 03(3353)101.1	MCWILLIAMS WEST	Armstrong	Redbank		12/1/2024	15.0		AML	DH, SA						
OSM 03(3368)101.1	BELNAP SOUTH	Armstrong	Wayne		9/1/2024	15.0		AML	DH, SA						
OSM 03(3372)101.1	BETHLEHEM SOUTH	Armstrong	Redbank		12/1/2024	49.0		AMLS	DH, SA						
OSM 03(3378)101.1	BETHLEHEM	Armstrong	Mahoning		1/2/2024	15.0		AML	DH, SA						
OSM 03(4902)102.1	FORKS CHURCH NORTH	Armstrong	Gilpin		3/30/2027	7.0		AML	DH, HEF, SA, DPE						
OSM 03(4914)101.1	NORTHWEST MILTON	Armstrong	Redbank		2/28/2026	12.7		AML	DH, DPE						
OSM 03(6079)102.1	GREENDALE NORTH	Armstrong	Valley			19.0		AML	DH, H, SA						
OSM 03(6505)101.1	MAHONING SCHOOL NW	Armstrong	Redbank		12/1/2024	10.0		AML	DH, SA						
OSM 05(2002,7054)101.1	KIMBER MOUNTAIN NW	Bedford	Broad Top		8/8/2024	145.0		AMLS	DH, SA						
OSM 10(2900)101.1	WEST LIBERTY 1	Butler	Brady		6/1/2024	24.0		AMLS	DH, SA						
OSM 10(2904)101.1	SLIPPERY ROCK CREEK	Butler	Marion		6/1/2024	20.0		AMLS	DH, SA						
OSM 10(3771)101.1	SHERWIN NORTH II	Butler	Clay		8/30/2024	22.3		AML	SA, HWB						
OSM 10(6493)102.1	WEST LIBERTY EAST #3	Butler	West Liberty		4/1/2024	9.5		AMLS	DH, SA						
OSM 10(6495)101.1	WEST LIBERTY SOUTH # 1	Butler	Brady		5/1/2024	15.0		AML	DH, SA						
OSM 10(6599)101.1	DESALE SOUTH	Butler	Venango		4/4/2024	14.0		AML	DH, SA						
OSM 11(0826)104.1	SPANGLER ATHLETIC FIELD	Cambria	N Cambria		11/30/2024	0.5		AML	DS						
OSM 11(0838)102.1	FOX RUN	Cambria	West Carroll		9/27/2024	11.4		AML	SA						
OSM 11(1254)103.1	DENTON STREET	Cambria	Vintondale					AMLD	VO						
OSM 11(1538)101.2 (GA)	KRAYN	Cambria	Adams			15.0		AML	GO, CSL, HR, EF						
OSM 11(2702)102.1	BENS CREEK	Cambria	Portage		12/31/2024	55.0		AML	GO, DPE						
OSM 11(2713)102.1	INGLESIDE NORTHEAST	Cambria	Richland		7/1/2024	34.0		AMLS	DH, SA						
OSM 11(3096)101.1	ST. BONIFACE WEST	Cambria	Elder		2/1/2025	30.0		AMLS	DH, SA						
OSM 13(3203)101.1	BEAVER BROOK SOUTHEAST	Carbon	Banks					AMLS	DH, SA, EF, DPE						
OSM 14(6820)101.1	KARTHAUS	Centre	Burnside		9/30/2024	56.0		AML	DH, SA						
OSM 16(0030)101.1	SARAH FURNACE	Clarion	Madison		10/31/2024	3.0		AML	DH, SA, DPE						
OSM 16(0030)102.1	SARAH FURNACE (REFUSE)	Clarion	Madison		7/1/2025	43.0		AML	DH, SA, DPE						
OSM 16(0410)101.1	WILDCAT RUN	Clarion	Madison		3/30/2024	18.5		AMLS	DH, SA, DPE						
OSM 16(1957)101.1	MAHLES RUN EAST	Clarion	Knox		3/28/2024	6.8		AMLS	DH, SA, PI						
OSM 16(6036,6037)101.1	HAWTHORN WEST	Clarion	Redbank		12/9/2024	89.0		AMLS	DH, H, SA						
OSM 17(0106)101.1	DUBOIS	Clearfield	Sandy			1,800.0		AML	DI						
OSM 17(1083)103.1	GRASSFLAT RUN	Clearfield	Cooper		11/1/2025	20.5		AML	DH, SA						
OSM 17(1424)101.1	THOMPSONTOWN	Clearfield	Chest			10.0		AML	DPE						
OSM 17(3982)101.1	PARSONVILLE NORTHWEST	Clearfield	Decatur		9/30/2024	7.8		AML	DH, SA						
OSM 17(4457)101.1	POTTS RUN NORTHEAST	Clearfield	Knox		3/31/2025	32.0		AML	DH, SA						
OSM 17(4543)101.1	ALDER RUN	Clearfield	Morris		4/17/2024	58.0		AML	DH, SA, EF						
OSM 17(4940)101.1	SANDY LICK CREEK	Clearfield	Sandy		8/30/2024	20.4		AML	DH, SA						

BAMR Completed, Active and Future Construction Projects

Project Number	Title/Operator	County	Township	Completion Date (Anticipated)	Date Awarded (Anticipated)	Project Acreage	Project Cost or Estimate	Project Type	Problem Type	Funding Breakdown					
										BIL	Title IV	AML Eco. Revitalization Prog.	AMD Set Aside	Collected Bond	Bond Forfeiture & State Programs
OSM 17(6680)101.1	KELLYTOWN SOUTHWEST I	Clearfield	Knox		12/9/2024	13.0		AML	DH, HEF, SA						
OSM 17(7086)101.1	BLUEBALL EAST	Clearfield	Morris		8/30/2024	36.0		AML	DH, SA						
OSM 17(7105)101.1	EAGLE EYE SCHOOL (THOMAS)	Clearfield	Decatur		1/29/2025	89.0		AMLS	DH, SA						
OSM 17(7158)103.1	SHAWVILLE NORTH (REMEDIAL)	Clearfield	Goshen		4/30/2025	2.0		AML	DS						
OSM 18(1124,6673)101.1	FIVEMILE HOLLOW	Clinton	Leidy		9/1/2024	85.0		AMLS	DH, SA, P						
OSM 24(6149)101.1	DAGUS-FOUR POINT	Elk	Fox		9/30/2024	19.0		AML	H, DPE						
OSM 26(2769)101.1 EMER	SAGAMORE (ICV TRAIL)	Fayette	Saltlick		3/11/2024	0.1		AML	P						
OSM 26(3858)101.1	BOWOOD NORTHWEST	Fayette	Nicholson		2/28/2025	16.0		AMLS	DH, SA						
OSM 26(4713)102.1	INDIAN HEAD WEST	Fayette	Springfield			1.0		WTRLN	PWHC						
OSM 26(4724)101.1	KEENY ROW NORTH	Fayette	Luzerne			10.5		AML	HEF, DPE						
OSM 30(2766)102.1	CRUCIBLE NORTH (GA)	Greene	Cumberland			11.0		AMLD	DPE						
OSM 32(2404)104.1	TIDE	Indiana	Center			33.0		AML	DPE						
OSM 32(2404)105.1 (GA)	TIDE (HOODLEBUG TRAIL EXT)	Indiana	Center			3.0		AML	O						
OSM 32(3821)101.1	STATE GAME LANDS 332	Indiana	Black Lick		9/1/2024	100.0		AML	WA, DH, SA						
OSM 32(4601)101.1	MIDDLE DIXON CREEK	Indiana	East Mahoning			17.0		AMLS	DH, SA						
OSM 33(4911)101.1	SOUTH TIMBLIN	Jefferson	Porter		3/1/2024	25.0		AML	DH, SA						
OSM 35(1762)101.1	MAYFIELD EAST MINE OPENINGS	Lackawanna	Carbondale		8/20/2024	4.0		AML	VO, P						
OSM 35(2193)101.1	ROCKY GLEN RECLAMATION	Lackawanna	Moosic		10/28/2024	40.0		AML	MO, H, VO, PI, SA, DP, SP, DPE						
OSM 35(3756)101.1	ELECTRIC STREET DEVELOPMENT	Lackawanna	Carbondale		6/28/2024	37.0		AML	HEF, PI, SA, DPE						
OSM 37(6255)103.1	MOUNT AIR SOUTH III	Lawrence	Little Beaver		3/1/2025	20.0		AMLS	DH, SA						
OSM 37(6904)101.1	GRINDSTONE RUN	Lawrence	Perry		8/30/2024	23.0		AML	DH, SA, DPE						
OSM 40(0542,3708,3709,3710)101.1	D&L TRAIL WILKES-BARRE MOUNTAIN SECTION PH 2	Luzerne	Laurel Run		7/15/2024	21.5		AML	DH, P, PI						
OSM 40(3026)103.1	LARKSVILLE SOUTHWEST III	Luzerne	Larksville		7/16/2024	16.0		AML	DH, SA						
OSM 40,54(1385,3723,3722)102.1	AUDENRIED COAL TO SOLAR PROJECT PHASE 2	Schuylkill	Kline		6/20/2024	210.0		AMLS	HEF, SA, PI, IRW, DPE						
OSM 54(2025)104.1	PALO ALTO NORTH	Schuylkill	Palo Alto		3/1/2024	2.0		AMLD	CSL						
OSM 54(3042)102.1	ONEIDA WEST	Schuylkill	North Union		5/1/2025	60.0		AMLS	DH, MO, PI, SA, VO, EF						
OSM 54(3727)101.1	NORTH SHEPPTON	Schuylkill	East Union		3/30/2028	120.0		AMLS	SA						
OSM 54(4132)101.1	RED MOUNTAIN SW-SWATARA CRK	Schuylkill	Tremont		12/30/2024	45.0		AML	DH, PI						
OSM 54(4212)101.1	COAL RUN NORTH	Schuylkill	Frailey		10/30/2027	28.8		AMLS	WA, DH, PI, HWB						
OSM 56(2271)101.1	LANDSTREET	Somerset	Quemahoning			1.5		AML	DS						
OSM 56(2515)101.1	REITZ	Somerset	Shade			25.0		AML	DH, MO, PI, SA						
OSM 56(3061)101.1	SHADE CONFLUENCE	Somerset	Shade			20.0		AMLS	DH, SA, PI, SP, DPE						
OSM 56(4848)101.1	SHADE CREEK EAST	Somerset	Paint		8/30/2024	25.6		AMLS	DH						
OSM 63(0188)101.1	AVELLA SOUTH	Washington	Independence		4/30/2025	9.0		AMLS	DPE						
OSM 63(0962)101.2 (GA)	MUSE (CECIL TWP MUNICIPAL PARK)	Washington	Cecil			26.0		AML	DPE						
OSM 63(0962)102.1	MUSE	Washington	Cecil		9/30/2024	15.0		AML	HEF, DPE						
OSM 63(4744)101.1	SPEERS WEST	Washington	Twilight		12/1/2024	10.0		AMLS	DH, SA						
OSM 63(4769)102.1	WALKERTOWN	Washington	West Pike Run		6/30/2024	13.6		AML	DPE, CS						
OSM 63(5028)101.1 (GA)	MARIANNA	Washington	Marianna			27.0		AMLD	O, DPE						
OSM 65(1199)105.1	BOVARD	Westmoreland	Hempfield			22.0		AMLD	DPE						
OSM 65(3195)101.1	WENDEL	Westmoreland	Hempfield			13.0		AMLD	DPE						
OSM 65(3197)101.1	ARONA NORTH	Westmoreland	Hempfield			15.0		AML	DH, HEF, SA						
OSM33(1308,2833)101.1	CONIFER	Jefferson	Beaver		6/1/2024	24.5		AML	DH, SA						
Future Awards:		100	Contracts			4,252.4	\$365,433,208								

BAMR Completed, Active and Future Construction Projects

Legend for Project Type Abbreviations	
Code	Description
AMD	Acid Mine Drainage Abatement
AMDTC	Acid Mine Drainage Treatment - Chemical
AMDTP	Acid Mine Drainage Treatment - Passive
STRM	Stream Reconstruction Reestablishing Stream Channel
AML	Abandoned Mine Land Reclamation
AMLS	AML Surface Mine Reclamation
AMLD	AML Deep Mine Reclamation
IMS	Industrial Mineral - Surface
IMD	Industrial Mineral - Deep
CRD	Coal Refuse Disposal Site Reclamation
MSC	Mine Subsidence Control
MFC	Mine Fire Control - Mine Fire Extinguishment
WSPLY	Water Supply
WTRLN	Water Line Extension
DRILL	Exploratory Drilling
ES	Removal of E & S Controls
BANK	Refuse Bank Reclamation
FAC	Mine Facility Reclamation

Legend for Problem Type Abbreviations		
Code	Description	AML Priority
BE	Bench	3
CS	Clogged Streams	1 or 2
CSL	Clogged Stream Lands	1 or 2
DH	Dangerous Highwall	1 or 2
DI	Dangerous Impoundments	1 or 2
DP	Industrial/Residential Waste	3
DPE	Dangerous Pile and Embankment	1 or 2
DS	Dangerous Slides	1 or 2
EF	Equipment/Facilities	3
GHE	Gases: Hazardous/Explosive	1 or 2
GO	Gob Piles	3
H	Highwall	3
HEF	Hazardous Equipment & Facilities	1 or 2
HR	Haul Road	3
HWB	Hazardous Water Body	1 or 2
IRW	Industrial/Residential Waste	1 or 2
MO	Mine Openings	3
O	Other	3
P	Portals	1 or 2
PI	Pits	3
PWAI	Polluted Water: Agr. & Indust.	1 or 2
PWHC	Polluted Water: Human Consumption	1 or 2
S	Subsidence	1 or 2
SA	Spoil Area	3
SB	Surface Burning	1 or 2
SL	Slurry	3
SP	Slump	3
UMF	Underground Mine Fire	1 or 2
VO	Vertical Opening	1 or 2
WA	Water Problems	3