




PENNSYLVANIA DEPARTMENT OF MINES AND MINERAL INDUSTRIES


TREATMENT PLANT STUDY
CARBON RUN - SHAMOKIN CREEK WATERSHED


NUMBER	NAME OF COMPANY	MUNICIPALITY	COUNTY	TRIBUTARY STREAM	RIVER	TYPE OF DISCHARGE	GALLONS PER DAY	C.F.S.	pH	ALKALINITY PPM	ACIDITY PPM	IRON	REMARKS
ABANDONED DEEP MINES - OUTFALLS - continued													
W-44	Scott Outfall No. 1	Coal Township	Northumberland	Quaker Run Shamokin Creek	Susquehanna	Gravity	5,472,000						1,500 feet West of Kulpmont Borough Mine Breach - Water overflows through open ditch to Quaker Run.
W-45	Scott Outfall No. 2	Coal Township	Northumberland	Quaker Run Shamokin Creek	Susquehanna	Gravity	3,600,000						2,500 feet West of Kulpmont Borough Mine Breach - Water overflows through open ditch to Quaker Run.
W-116	Mattis Coal Company Drift	Coal Township	Northumberland	Shamokin Creek	Susquehanna	Gravity	432,000						2,500 feet South of Upper Excelsior Village - Water flows from drift portal to Shamokin Creek.
W-141	Thomas Coal Company Drift	Coal Township	Northumberland	Shamokin Creek	Susquehanna	Gravity	72,000						3,000 feet South of Upper Excelsior Village - Water flows from drift portal to Shamokin Creek.
W-142	Thomas Coal Company Abandoned Slope	Coal Township	Northumberland	Shamokin Creek	Susquehanna	Gravity	72,000						3,000 feet S.W. of Upper Excelsior Village - Water flows from slope portal to Shamokin Creek.
W-143	Margie Franklin Drift	Coal Township	Northumberland	Shamokin Creek	Susquehanna	Gravity	216,000						4,000 feet South of Upper Excelsior Village - Water flows from drift portal to Shamokin Creek.
W-157	Abandoned Drift	Coal Township	Northumberland	Shamokin Creek	Susquehanna	Gravity	72,000						3,500 feet S.E. of Upper Excelsior Village - Water flows from drift portal 2,000 feet North through open ditch - enters Excelsior Pool via strip mine pit. Outfall at W-46.
W-57	Mid Valley Water Level Drift	Mt. Carmel Township	Northumberland	N. Branch Shamokin Creek	Susquehanna	Gravity	2,203,200	3.40				185	3,000 feet West of Wilburton No. 1 - Water flows from drift portal to North Branch of Shamokin Creek.
W-58	Mid Valley No. 4 Drift	Conyngham Township	Columbia	N. Branch Shamokin Creek	Susquehanna	Gravity	432,000		4.7	20	43	74	2,000 feet North of Wilburton No. 1 - Water flows from drift portal through open ditch - enters Mid Valley Pool via Strip Mine Pit. Outfall at W-57.
W-152	Sayre Drift	Conyngham Township	Columbia	Shamokin Creek	Susquehanna	Gravity	28,800						1,000 feet East of Wilburton No. 1 - Water flows from drift portal South - enters Morris Ridge Pool via crop fall. Outfall at W-44.
W-112	Mine Water Seepage Under Mid Valley Breaker Refuse Bank	Conyngham Township	Columbia	N. Branch Shamokin Creek	Susquehanna	Gravity	288,000						1,500 feet N.W. of Wilburton No. 2 Mine - Water drainage from under breaker refuse bank to North Branch of Shamokin Creek.
W-38	Glen Burn Deep Well Pumps	Coal Township	Northumberland	Shamokin Creek	Susquehanna	Pumping	312,000				576		Glen Burn Colliery - Water pumped from Cameron Mines for coal preparation. Overflow from quiescent area of settling dam reenters mine. Outfall at W-37.
W-114	No. 9 Drift	Mt. Carmel Township	Northumberland	Shamokin Creek	Susquehanna	Gravity	28,800						2,000 feet North of Lower Sagon Village - Water flows from drift portal to Hickory Swamp Mine Workings via strip mine pit. Outfall at W-37.
W-77	Natalie Drainage Tunnel	Mt. Carmel Township	Northumberland	Shamokin Creek	Susquehanna	Gravity	288,000						2,000 feet North of Marion Heights - Water flows from tunnel portal South through open ditch. Seeps into Hickory Swamp Mine Workings. Outfall at W-37.
W-87	State Coal Company, Inc. Pennsylvania Shaft	Mt. Carmel Township	Northumberland	Quaker Run Shamokin Creek	Susquehanna	Pumping	1,764,000						1,000 feet West of Strong Village - Water pumped from Pennsylvania Shaft for coal preparation. Breaker discharge reenters mine workings. Outfall at W-44.


 ACTIVE DEEP MINES - GRAVITY


 ACTIVE DEEP MINES - UNDERGROUND FLOW TO ABANDONED DEEP MINE


 ABANDONED STRIP MINE PITS - ENTERING DEEP MINE


 ACTIVE DEEP MINES - PUMPING


 ABANDONED DEEP MINES - GRAVITY

 OUTFALL - REENTERING ABANDONED DEEP MINE

 ACTIVE DEEP MINES - PUMPING TO SURFACE REENTRY INTO DEEP MINE

 ABANDONED STRIP MINES - GRAVITY

 STREAMS - ENTERING ABANDONED MINES VIA CROP FALLS AND STRIP MINE PITS

 BREAKERS