

Notes:

Base map compiled from topographic mapping generated in conjunction with PA Turnpike Commission Findlay Connector Project (Undated).

Abandoned Mine Drainage Discharges Located by GPS/Field Observation by BioMost, Inc.

Approximate property line locations and owner information compiled from available Allegheny County records reviewed between March 2003 and April 2003 and do not represent a property survey.

Based on GIS mapping provided by the Montour Run Watershed Association as prepared by KCI Technologies, Inc. for the River Conservation and Land Use Plan (April 1999), there are no unstable soils in the project area. Areas of steep slopes are represented by the contours as shown.

The passive treatment system components as shown are conceptual only. The actual size and configuration is subject to change based on further site investigation/project development, field conditions and/or other factors. As an alternative, the B1 and B2 wetlands could be enlarged by 15,000 SF and wetland A4 be eliminated.

Based on the final design and "as-built" construction of the Findlay Connector, discharge NFMU9 may be impacted, potentially requiring a revised conceptual site plan.

Underground and overhead utilities to be located prior to final design.

- ▼ NFMU9 ABANDONED MINE DRAINAGE DISCHARGE LOCATION
- # PASSIVE TREATMENT COMPONENT NUMBER (KEYED TO TABLE)
- PROPERTY LINE (APPROXIMATE LOCATION)
- EXISTING ROAD
- PROPOSED PASSIVE TREATMENT SYSTEM COMPONENT
- PASSIVE TREATMENT SYSTEM GENERALIZED FLOW PATH
- EXISTING STRUCTURE
- CONTOUR LINE - INDEX
- CONTOUR LINE - INTERMEDIATE
- STREAM
- APPROXIMATE BOUNDARY OF PROPOSED FINDLAY CONNECTOR CONSTRUCTION AREA

PASSIVE TREATMENT SYSTEM COMPONENT TABLE

COMPONENT #	DESCRIPTION [DISCHARGE TREATED]
1	2,600 CY COLLECTION SYSTEM/FOREBAY [NFMU9]
2A	1,000 T VERTICAL FLOW POND (1 OF 2 IN PARALLEL) [NFMU9]*
2B	1,000 T VERTICAL FLOW POND (1 OF 2 IN PARALLEL) [NFMU9]*
3	2,500 CY SETTLING/FLUSH POND [NFMU9]
4	15,000 SF WETLAND [NFMU9]
A	14,000 SF WETLAND [MP2]
B	41,000 SF WETLAND [MP2]

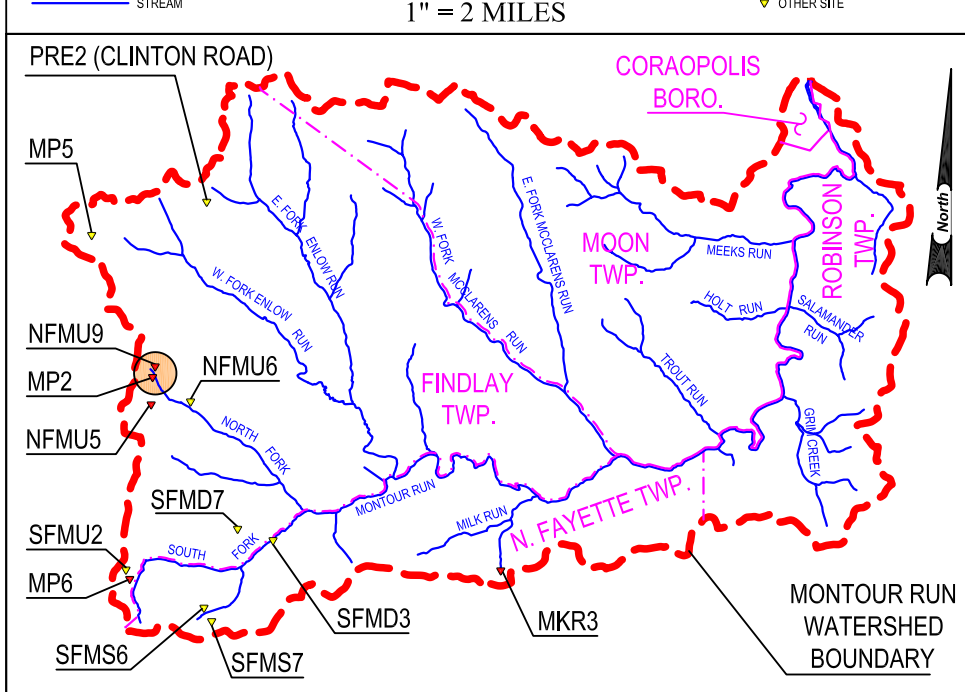
*2,000 Total Tons of Limestone for both Vertical Flow Ponds.



REPRESENTATIVE DISCHARGE CHARACTERISTICS

DISCHARGE	Flow (gpm)		pH (s.u.)		Alkalinity (mg/l)		Acidity (mg/l)		Iron (mg/l)		Manganese (mg/l)		Aluminum (mg/l)	
	avg.	max.	avg.	min.	avg.	min.	avg.	max.	avg.	max.	avg.	max.	avg.	max.
NFMU9	41	98	4.1	3.2	5	0	101	184	16	26	8	10	7	14
MP2	32	91	7.0	6.6	153	91	0	0	13	168	4	6	0	3

LOCATION MAP



**MONTOUR RUN WATERSHED ASSOCIATION
ABANDONED MINE DRAINAGE CLEANUP PLAN**

MONTOUR RUN WATERSHED
NORTH FORK MONTOUR RUN SUBWATERSHED
ALLEGHENY COUNTY, PENNSYLVANIA

**CONCEPTUAL SITE PLAN
NFMU9 & MP2 DISCHARGES**

Scale: 1" = 100' September 2003

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Mining and Reclamation Services