

(M)
GS-08
PH 7.0
585 gpm
9/18/79

Pa. T.R. 287

TRUE NORTH



LICENSE # 1877

Permit 1477-1	10 ± ac.	December 1975
Amendment 1477-A	10 ± ac.	March 17, 1976
Corrected Amendment 1477-AC	5 ± ac.	May 24, 1976
1477-1-A2	10 ± ac.	A.O.C. Dec. 1978

Permit - 1477-2	10 ± ac.	A.O.C.	June 1976
Amendment - 1477-2A	10 ± ac.	A.O.C.	Nov. 1976
Amendment - 1477-2A2	15 ± ac.	A.O.C.	Feb. 1977
Restored - 1477-1	6 ± ac.		July 1979

Geology revised for update by E. F. Koppe
Structure contours on Lower Kittanning Coal
and "Bloss" mine maps.

TOPOGRAPHY TRACED FROM U.S.G.S.
ENLARGEMENT OF 7.5 MIN. ANTRIM QUADRANGLE.

BARRIERS OR CLAY SEALS WILL BE PLACED IN
PIT PARALLEL TO THE STRIKE OF THE COAL AND
EQUAL IN HEIGHT TO THE DROP OF THE COAL
BETWEEN ADJACENT BARRIERS.

LEGEND:

- Vein Crop Line
- Edge of Forest
- Body of Water
- Stream and Property Barrier
- Stream
- Highwall
- Test Hole
- Diversion Ditch With Sedimentation Pond and Outlet Retarder

EXHIBIT IV
PROPOSED EROSION CONTROL FACILITIES
TOPOGRAPHY AND PROPERTY MAP - MD-47 75 SH
P & M MINING COMPANY FORMERLY
P & M COAL COMPANY - EUGENE HOUSE-LEASE AREA
DELMAR TWP., TIOGA CO., PA.
SCALE 1" = 400 FEET
CONTOUR INTERVAL = 20 FEET
PREPARED FEBRUARY 1975
BY

(M)
GS-16
PH 3.0
130 gpm
9/18/79

REVISED SEPTEMBER 1976
REVISED NOVEMBER 1979

BOYER KANTZ R.S.