

KEY TO PREVIOUSLY MINED AREAS						
Map Key	Type	Status	Operator	Operation	permit no.	Seam
A	Tipple	Active	Mears Enterprises, Inc.	Clymer Tipple	32841602	---
B	Surface	Abandoned	Unknown	---	---	LF
C	Surface	Completed	Rayne Mining Co.	---	39A775M7	LF
D	Surface	Completed	Mears Enterprises, Inc.	Genchur Mine	32900102	LF
E	Underground	Abandoned	CBC Corp.	Victor #29	---	UK
F	Underground	Abandoned	Leasure Mine	Leasure #1	14150	LF

WATER MONITORING PROGRAM

Monitoring Point	Surface Elev.	Description
MP-1 (formerly MP-4)	1245	Dixon Run - upstream
MP-2	1400	Treese supply - well
MP-3	1405	Treese supply - spring
MP-6 (formerly MP-10)	1295	spring - MK horizon
MP-7	1330	Buck Run - upstream
MP-8	1240	Buck Run - downstream
*MP-14 (formerly MP-1)	1395	receiving stream - downstream
*MP-15	1448	spring - LF horizon
MP-16 (formerly MP-5)	1235	Dixon Run - downstream
MP-16a (formerly MP-16)	1390	spring - UK horizon
*MP-17	1500	LF deep mine discharge
MW-1B	1438	monitoring well
*MW-4	1475	monitoring well

ALL SEDIMENTATION AND TREATMENT PONDS WHEN DISCHARGING

* Indicates fly ash parameters

EXISTING PERMIT AREA 79.6 acres
 BARRIER AREA
 VARIANCE AREA
 OCCUPIED DWELLING
 UNOCCUPIED STRUCTURE
 PROPERTY LINE
 KEY NO. TO PROPERTY OWNERS
 MAP KEY TO PREVIOUSLY MINED AREAS
 PREVIOUSLY SURFACE MINE AREA
 SEDIMENTATION POND
 TREATMENT FACILITY
 TREATMENT PONDS
 COLLECTION DITCH COLOR CODED BY POND
 SEDIMENT TRAP
 DRAINAGE DIVIDE
 LEACHATE COLLECTION SYSTEM

CROSS SECTION LINE
 LOWER FREEPORT COAL SEAM OUTCROP
 UPPER KITTANNING COAL SEAM OUTCROP
 MONITORING POINT

MEARS ENTERPRISES, INC.
 CLYMER REFUSE DISPOSAL
 CHERRYHILL TWP. INDIANA CO.

EXHIBIT 13.4

WATER HANDLING
 MAP

NOTES:
 1. This map has been prepared from county tax maps, deeds, and field evidence. This does not represent an actual survey of properties shown.
 2. Contours and natural features were taken from an enlarged 7.5 min. Clymer U.S.G.S. quadrangle.
 3. Coordinates are on a random data base relative to this site only.

APPROVED	DATE	APPROVED	DATE	APPROVED	DATE
	DATE	DATE	DATE	DATE	DATE

BY	DATE	SCALE
KB	Sept. 2000	1"=200'

ENGINEER	REG. NO.	25446-E
SEAL		

FILE NO.	2000-004
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