

DIP VARIES  
2.7% to 8.3%  
Average 4.6%

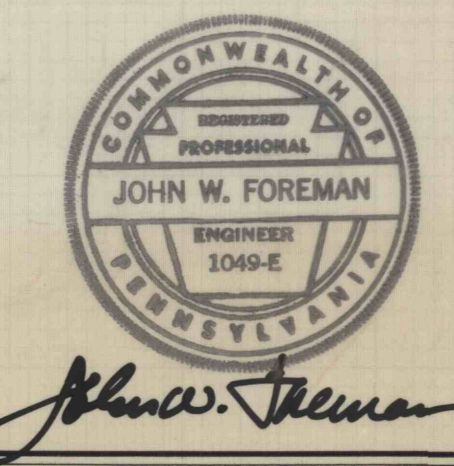
**MINE DRAINAGE PERMIT AREAS**

	EXISTING	PROPOSED	TOTAL
FIRE CLAY MINING AREA	11.9 Acs.	6.3 Acs.	18.2 Acs.
TOTAL AFFECTED AREA	22.3 Acs.	10.0 Acs.	32.3 Acs.

- EXISTING STRIP MINING AFFECTED AREA
- 10.0 AC. AREA TO BE REPLANTED

NOTE: All Roads Shown On The Map Are Private Mine Roads;  
And The Roads At Both Ends Of The Applicable Mining  
Area May Be Used To Haul Material From The Pit.

REVISIONS	DATE
6	JAN. 6, 1983
5	JAN. 7, 1977
4	SEPT. 22, 1976
3	AUGUST 19, 1976
2	AUGUST 10, 1973
1	APRIL 10, 1973



**GARFIELD REFRACTORIES COMPANY**  
FIRECLAY STRIPPING OPERATIONS  
SITUATE IN  
LOGAN TWP., BLAIR CO., PA.

SCALE: **1" = 200'**      **GWIN, DOBSON & FOREMAN, INC.**      DATE: **JAN. 24, 1973**  
CONSULTING ENGINEERS  
ALTOONA, PENNSYLVANIA