



O'Donnell No. 4 Drift Openings Into Highwall Treatment Ponds

APPROVAL LEGEND

O'Donnell Coal Company
O'Donnell No. 4 Mine
Washington Township
Indiana County

SUBJECT OF APPROVAL: External Seals - Drift Entries

Company Representative: Gealy W. Wallwork
Chief Engineer
12-6-86
Date

Walter J. Vicinelly
Commissioner, Bureau of Deep Mine Safety
12-9-86
Date

Richard C. Murphy
Director, Division of Bituminous Mining
12-9-86
Date

Dwayne Morgan
District Mine Inspector
11-7-87
Date

NOTE: Location and present extent of mining shown is as of March 27, 1981 as per information from Manor Mines, Inc.

LEGEND	
PROPERTY LINE	PROTECTED STRUCTURE
ROADS	NONPROTECTED STRUCTURE
STREAM (INTERMITTENT)	DWELLING - BUILT AFTER 1966
DWELLING	GASWELL - ACTIVE
OTHERS	GASWELL - INACTIVE
BARRIER	DRILL HOLES
DRILL HOLES	BACKGROUND SURFACE WATER SAMPLE PT.
OUTCROP - L.F. "E"	WELLS
SUBSIDENCE CONTROL PLAN BOUNDARY	PERMIT ACREAGE: 686 AC.
COAL CONTOURS	TO THE BEST OF OUR KNOWLEDGE THERE ARE NO LANDSLIDE PRONE AREAS OR REFUSE PILES WITHIN THE PERMIT AREA.
PERMIT BOUNDARY	MDP # 3274301
PRIOR DEEP AND SURFACE MINING	SUB. PERMIT # 421-1
BACKGROUND GROUND WATER SAMPLE PT.	
PROPOSED GROUND WATER MONITORING PT.	
SURFACE WATER MONITORING PT.	

O'DONNELL COAL COMPANY

O'DONNELL No. 4 MINE

WASHINGTON TWP. INDIANA CO.

UPPER FREEPORT "E" SEAM

SCALE 1"=400' DATE: 12-9-86

EXHIBIT A

MINE DEVELOPMENT MAP