0002

Orig Mine file
~~Write thru~~
~~[illegible]~~
S. Linney

CONSOL

Consolidation Coal Company
Mid-Continent Region
12755 Olive Boulevard
St. Louis, Missouri 63141
(314) 275-2300

December 1, 1986

Utah Division of Health
Bureau of Environmental Health
Water Quality Bureau
44 Medical Drive
Salt Lake City, Utah 84113

RECEIVED
DEC 04 1986
DIVISION OF
OIL, GAS & MINING

Re: October 1986 NPDES Report for Permit No. 0022616 for the Emery Deep Mine

Gentlemen:

I have enclosed a copy of Consolidation Coal Company's Emery Deep Mine NPDES Discharge monitoring reports for the reporting period from October 1, 1986 through October 31, 1986.

If you have any questions or comments, please contact me at your convenience. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and the attached documents; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that submitted information is true and accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Sincerely,

John Shotton

John A. Shotton
Vice President
Western Region Operations

LHM/vms

Enclosures

cc: U. S. EPA, Water and Hazardous Waste Enforcement Branch, Enforcement, Compliance Assurance Section
Director, Utah Division of Oil, Gas & Mining
H. L. Rogers
NPDES File

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME CONSOL. COAL CO-UNDERGROUND
ADDRESS SOUTH HIGHWAY 10
EMERY UT 84522

FACILITY EMERY DEEP MINE
LOCATION EMERY, UT

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2000-0015

(2-16) PERMIT NUMBER: UT0022616
(17-19) DISCHARGE NUMBER: 001

F - FINAL LIMITS
SEDIMENTATION POND

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	86	10	01	TO	86	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	******	8.2	******	8.3		0	3/31	GR
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	******	6.5	******	9.0	SU		TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******	******	1	2	4		0	3/31	GR
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	******	******	25	70	MG/L		TWICE/MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	******	******	******	0.5	0.5	0.5		0	1/31	GR
00556 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	******	******	******	10	MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	******	******	0.06	0.15	0.20		0	3/31	GR
01045 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	******	******	******	2.0	MG/L		TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.320	1.053		******	******	******	******	0	CONT.	REC.
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	MGD	******	******	******	******		TWICE/MONTH	
SOLIDS, TOTAL DISSOLVED	SAMPLE MEASUREMENT	******	******	******	2684	3461	3856		0	3/31	GR
70295 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	******	******	******	5000	MG/L		TWICE/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: John Shotton, Vice-President (TYPED OR PRINTED)

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

John Shotton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 314, NUMBER 275-2307

DATE: YEAR 86, MO 10, DAY 01

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS. FLOW MAY BE MEASURED USING PUMP LOGS AND RATING CURVES. SEE PAGE OF PERMIT FOR LIMITS PERTAINING TO OVERFLOW EVENTS. FOR INTERMITTENT DISCHARGES, DURATIONS OF DISCHARGE SHALL BE REPORTED. DAILY AVG FOR TSS IS 25MG/L.

Form Approved
OMB No. 2000-0015

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME CONSOL. COAL CO-UNDERGROUND
ADDRESS SOUTH HIGHWAY 10
EMERY UT 84522

FACILITY EMERY DEEP MINE
LOCATION EMERY, UT

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) UT0022616 — PERMIT NUMBER
(17-19) 002 — DISCHARGE NUMBER

F - FINAL LIMITS
SEDIMENTATION POND

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	86	10	01	TO	86	10	31
	(18-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******	******		******					
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	******	6.5	******	9.0	SU		TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******	******							
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	******	******	35	70	MG/L		TWICE/MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	******	******	******							
00556 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	******	******	******	10	MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	******	******							
01045 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	******	******	******	2.0	MG/L		TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	NO DISCHARGE			******	******	******	******			
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	MGD	******	******	******	******		TWICE/MONTH	
SOLIDS, TOTAL DISSOLVED	SAMPLE MEASUREMENT	******	******	******							
70295 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	******	******	******	5000	MG/L		TWICE/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: John Shotton, Vice-President (TYPED OR PRINTED)

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John Shotton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 314, NUMBER 275-2307
DATE: YEAR 86, MO 12, DAY 01

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NO DISCHARGE. NO SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS. FLOW MAY BE MEASURED USING PUMP LOGS AND RATING CURVES. SEE PAGE OF PERMIT FOR LIMITS PERTAINING TO OVERFLOW EVENTS. FOR INTERMITTENT DISCHARGES, DURATION OF DISCHARGE SHALL BE REPORTED. DAILY AVG FOR TSS IS 25MG/L.

EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED) 70-1172/820503-17257

T2

ANALYSIS REPORT

CONOCO
COAL RESEARCH DIVISION
LIBRARY,PENNSYLVANIA 15129

TO: MESCHEDE

PROJECT NUMBER 1350-050-002 DATE 10/29/86

DESCRIPTION EMERY MINE
SAMPLE NUMBER 10-1-86
ANALYSIS NUMBER 77711

ANALYSIS	UNITS	*---------- AS DETERMINED ----------* VALUE	VALUE	DUP AV	AV DRY VAL
PH		8.26			
TOTAL SUSPENDED SOLIDS		1			
DISSOLVED SOLIDS		3856			
TOTAL IRON		<0.20			
MANGANESE		<0.20			

ANALYSIS REPORT

CONOCO
COAL RESEARCH DIVISION
LIBRARY,PENNSYLVANIA 15129

TO: MESCHEDE

PROJECT NUMBER 1350-050-002 DATE 11/06/86

DESCRIPTION EMERY MINE
SAMPLE NUMBER 10-10-86
ANALYSIS NUMBER 77755

ANALYSIS	UNITS	*---------- AS DETERMINED ----------* VALUE	VALUE	DUP AV	AV DRY VAL
PH		8.28			
TOTAL SUSPENDED SOLIDS		4			
DISSOLVED SOLIDS		3842			
TOTAL IRON		<0.20			
MANGANESE		<0.20			

POINT 001 DISCHARGES AT THE EMERY DEEP MINE FOR THE FOURTH QUARTER 1986
REPORT PREPARED ON 12/01/86 AT 15:41:49

PARAMETER	MINIMUM	ARITHMETIC AVERAGE	MAXIMUM	UNITS	NUMBER EXCEED	NR. MSMTS
POINT 001		FOURTH QUARTER 1986				
FLOW INSPECTIONS	0.00	0.48	1.63	CFS	N/A	33
PH	8.2		8.3	STD UNITS		3
TOT SUSP SOLIDS	1	2.0	4	MG/L		3
OIL & GREASE	0.5	0.5	0.5	MG/L		1
TOTAL IRON	0.06	0.15	0.20	MG/L		3
FLOW	0.013	0.329	1.053	MGD	N/A	31
TOT DISS SOLIDS	2684	3461	3856	MG/L		3
SETTLABLE SOLIDS				ML/L		0
NOTE: AVE DAILY TDS LOAD -		7.0				
POINT 001		OCTOBER 1986				
FLOW INSPECTIONS	0.00	0.46	1.63	CFS	N/A	30
PH	8.2		8.3	STD UNITS		3
TOT SUSP SOLIDS	1	2.0	4	MG/L		3
OIL & GREASE	0.5	0.5	0.5	MG/L		1
TOTAL IRON	0.06	0.15	0.20	MG/L		3
FLOW	0.013	0.320	1.053	MGD	N/A	28
TOT DISS SOLIDS	2684	3461	3856	MG/L		3
SETTLABLE SOLIDS				ML/L		0
NOTE: AVE DAILY TDS LOAD -		7.0				
POINT 001		NOVEMBER 1986				
FLOW INSPECTIONS	0.11	0.64	1.55	CFS	N/A	3
PH				STD UNITS		0
TOT SUSP SOLIDS				MG/L		0
OIL & GREASE				MG/L		0
TOTAL IRON				MG/L		0
FLOW	0.071	0.416	1.002	MGD	N/A	3
TOT DISS SOLIDS				MG/L		0
SETTLABLE SOLIDS				ML/L		0
NOTE: AVE DAILY TDS LOAD -						
POINT 001		DECEMBER 1986				
FLOW INSPECTIONS				CFS	N/A	
PH				STD UNITS		
TOT SUSP SOLIDS				MG/L		
OIL & GREASE				MG/L		
TOTAL IRON				MG/L		
FLOW				MGD	N/A	
TOT DISS SOLIDS				MG/L		
SETTLABLE SOLIDS				ML/L		
NOTE: AVE DAILY TDS LOAD -						

FOR THE FOURTH QUARTER 1966

FLOW = CALCULATED FLOW IN MILLION GALLONS PER DAY
CFS = FLOW IN CUBIC FEET PER SECOND AS MEASURED IN FIELD
E = EXCEEDENCE

---------- POINT=001 ----------

DATE	TIME	CFS	FLOW	PH	TFE	TSS	OANDG	TDS	SS	EPH	ETFE	ETSS	EOANDG	ETDS	ESS	COMMENTS
861001		1.25	0.808	8.3	0.20	1.0		3356								
861002		0.12	0.078													
861003		0.06	0.039													
861004		0.06	0.039													
861005		0.18	0.116													
861006		1.42	0.918													
861007		0.17	0.110													
861008		0.53	0.343													
861009																
861010		0.44	0.284	8.3	0.20	4.0		3842								
861011		0.56	0.362													
861012		0.90	0.582													
861013		0.03	0.019													
861014		0.00														
861015		0.06	0.039													
861016		1.55	1.002													
861017		0.11	0.071													
861018		0.00														
861019		1.63	1.053													
861020		0.26	0.168													
861021		0.02	0.013													
861022		0.26	0.168													
861023		1.52	0.982													
861024		0.08	0.052													
861025		0.02	0.013													
861026		0.20	0.129													
861027		0.25	0.162													
861028		1.50	0.969													
861029		0.10	0.065													
861030		0.49	0.317	8.2	0.06	1.0	0.5	2694								STD LABS
861031		0.09	0.058													
861101		0.27	0.175													
861102		1.55	1.002													
861103		0.11	0.071													