0034

orig mine file
[illegible]
5 oc Smith

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

May 29, 1986

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

JUN 0 3 1986
DIVISION OF
OIL, GAS & MINING

Re: April 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 April 1, 1986 through April 30, 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

JAS/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

Form Approved
OMB No. 2000-001

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

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

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

F - FINAL LIMITS
SEDIMENTATION POND

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	86	4	01	TO	86	4	30
	(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) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH 00400 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	******	7.8	******	8.3	SU	0	3/30	GR
	PERMIT REQUIREMENT	******	******	******	6.5	******	9.0			TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	******	9	14.3	19	MG/L	0	3/30	GR
	PERMIT REQUIREMENT	******	******	******	******	35	70			TWICE/MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAV METH 00556 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	******	0.5	0.5	0.5	MG/L	0	1/30	GR
	PERMIT REQUIREMENT	******	******	******	******	******	10			ONCE/MONTH	GRAB
IRON, TOTAL (AS FE) 01045 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	******	0.06	0.15	0.20	MG/L	0	3/30	GR
	PERMIT REQUIREMENT	******	******	******	******	******	2.0			TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.582	0.582	MGD	******	******	******	******	0	CONT.	PUMP
	PERMIT REQUIREMENT	******	******		******	******	******	******		TWICE/MONTH	
SOLIDS, TOTAL DISSOLVED 70295 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	******	2460	2559	2672	MG/L	0	3/30	GR
	PERMIT REQUIREMENT	******	******	******	******	******	5000			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 5, DAY 30

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

PERMITTEE NAME/ADDRESS (Address 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

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2000-0

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

F - FINAL LIMITS
SEDIMENTATION POND

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	86	4	01	TO	86	4	30
	(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	******	******	******		******					
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				******	******	******	******			
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

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	NUMBER	DATE YEAR	MO	DAY
314	275-2307	86	5	30

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

NO SIGN 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 POINTS.FOR INTERMITTENT DISCHARGES,DURATIONS OF DISCHARGE SHALL BE REPORTED. DAILY AVG FOR TSS IS 25MG/L.

CERTIFICATE OF ANALYSIS

STANDARD LABORATORIES, INC.
P.O. Box 1140, Huntington, Utah 84528 801-653-2314

Lab. No. 7991
Date Rec'd 4-11-86
Date Sampled 4-10-86
Time Sampled 952

Client: CONSOLIDATION COAL COMPANY
P.O. BOX 527
EMERY, UT 84522

Sample ID: SITE #6

Acidity		mg/l $CaCO_3$
Alkalinity, Total		mg/l $CaCO_3$
Alkalinity, Bicarbonate		mg/l $CaCO_3$
Alkalinity, Carbonate		mg/l $CaCO_3$
Chloride		mg/l
Coliform, Fecal		MPN/100 ml
Coliform, Total		MPN/100 ml
Conductivity	3625	umhos/cm
Fluoride		mg/l
Hardness, Total		mg/l $CaCO_3$
Nitrogen, Ammonia		mg/l
Nitrogen, Nitrate		mg/l
Nitrogen, Nitrite		mg/l
Oil & Grease	<0.5	mg/l
pH	7.75	Units
Phosphorus, Ortho		mg/l
Phosphorus, Total		mg/l
Solids, Total Dissolved	2546	mg/l
Solids, Total Suspended	19.0	mg/l
Sulfate		mg/l
Sulfide		mg/l
Turbidity		NTU

Aluminum		mg/l
Arsenic		mg/l
Barium		mg/l
Beryllium		mg/l
Boron		mg/l
Cadmium		mg/l
Calcium		mg/l
Chromium		mg/l
Copper		mg/l
Iron	0.06	mg/l
Lead		mg/l
Magnesium		mg/l
Manganese	<0.01	mg/l
Mercury		ug/l
Nickel		mg/l
Potassium		mg/l
Selenium		mg/l
Silica		mg/l
Sodium		mg/l
Vanadium		mg/l
Zinc		mg/l

Analyst: David L. Janney

Respectfully submitted David L. Janney

Certified Environmental Laboratory

TJ

ANALYSIS REPORT

CONOCO
COAL RESEARCH DIVISION
LIBRARY,PENNSYLVANIA 15129

TO: MESCHEDE

PROJECT NUMBER 1350-050-002 DATE 05/01/86

DESCRIPTION EMERY MINE - SED. POND
SAMPLE NUMBER 4-10-86
ANALYSIS NUMBER 73619

ANALYSIS	UNITS	AS DETERMINED VALUE	VALUE	DUP AV	AV DRY VAL
PH		8.12			
TOTAL SUSPENDED SOLIDS		15			
DISSOLVED SOLIDS		2460			
TOTAL IRON		<0.20			
MANGANESE		<0.20			

TF

ANALYSIS REPORT

CONOCO
COAL RESEARCH DIVISION
LIBRARY.PENNSYLVANIA 15129

TO: MESCHEDE

PROJECT NUMBER 1350-050-002 DATE 05/06/36

DESCRIPTION EMERY MINE - SED. POND
SAMPLE NUMBER 4-22-86
ANALYSIS NUMBER 73789

ANALYSIS	UNITS	*---------- AS DETERMINED ----------* VALUE	VALUE	DUP AV	AV DRY VAL
PH		8.25			
TOTAL SUSPENDED SOLIDS		9			
DISSOLVED SOLIDS		2672			
TOTAL IRON		<0.20			
MANGANESE		<0.20			

POINT 001 DISCHARGES AT THE EMERY DEEP MINE FOR THE SECOND QUARTER 1986
REPORT PREPARED ON 05/28/86 AT 16:26:43

PARAMETER	MINIMUM	ARITHMETIC AVERAGE	MAXIMUM	UNITS	NUMBER EXCEED	NR. MSMTS
POINT 001		SECOND QUARTER 1986				
FLOW INSPECTIONS	0.90	0.90	0.90	CFS	N/A	3
PH	7.8		8.3	STD UNITS		3
TOT SUSP SOLIDS	9	14.3	19	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	0.582	0.582	0.582	MGD	N/A	3
TOT DISS SOLIDS	2460	2559	2672	MG/L		3
SETTLABLE SOLIDS				ML/L		0
NOTE: AVE DAILY TDS LOAD - 6.2						
POINT 001		APRIL 1986				
FLOW INSPECTIONS	0.90	0.90	0.90	CFS	N/A	3
PH	7.8		8.3	STD UNITS		3
TOT SUSP SOLIDS	9	14.3	19	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	0.582	0.582	0.582	MGD	N/A	3
TOT DISS SOLIDS	2460	2559	2672	MG/L		3
SETTLABLE SOLIDS				ML/L		0
NOTE: AVE DAILY TDS LOAD - 6.2						
POINT 001		MAY 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 -						
POINT 001		JUNE 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 SECOND QUARTER 1986

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
860410		0.90	0.582	8.1	0.20	15.0		2460								
860410		0.90	0.582	7.8	0.06	19.0	0.5	2546								STD LABS
860422		0.90	0.582	8.3	0.20	9.0		2672								