El Segundo Coal Mine
A Division of Peabody Natural Resources Company
P. O. Box 757
Grants, New Mexico 87020
Phone: 505-285-4651 Fax: 505-285-4650

July 24, 2013

Mr. Isaac Chen
EPA Region 6 (6WQ-P)
1445 Ross Ave.
Dallas, TX 75202

Re: Lee Ranch Coal Company, El Segundo Mine NPDES Permit NM0030996, Permit Renewal

Dear Mr. Chen:

Enclosed please find the NPDES Permit Renewal package for Lee Ranch Coal Company's (LRCC) El Segundo Mine. The El Segundo Mine is located approximately 17 miles northwest of LRCC's Lee Ranch Mine, near Hospah, New Mexico, in McKinley County and has been producing coal since 2008.

The attached package includes USEPA NPDES Application Forms 1, 2C, and 2F. Additional application materials in the package include:

- A 1:1000 scale map of the El Segundo Mine permit area that provides all information required under Item XI in Form 1 and Item III in Form 2F;
- Separate Tables for Item I.A (list of outfalls and locations), Item II.A (water use line drawing), and Item II.B (flow and treatment information by outfall) in Form 2C;
- Separate information for laboratory data to fulfill the requirements of Item V in Form 2C and Item VII in Form 2F along with a list of water quality parameters analyzed;
- Separate Tables for Item I.A (list of outfalls and locations) and Item IV.A (pollutant sources) in Form 2F.

No discharges have occurred at any of the outfalls associated with El Segundo NPDES Permit (NM0030996) as of this submittal date. Therefore, LRCC has included laboratory analytical results for samples collected at stream monitoring sites required by Surface Mining Permit No. 2010-1 and non-discharging pond water at ponds MSP34W1C and MSP34W1B.

Due to mining and reclamation activities, ponds SP1W3, MSP35W4 and MSP26W1, and the outfalls associated with each, have been removed. Ponds MSP20W1, MSP21W1, MSP27W1, MSP28W4, MSP29W1, MSP29W2, MSP20W2, MSP21W2, MSP29W3, MSP3E1, MSP31E1

and MSP 33E2 are included in this permit application package but are not yet built. These proposed ponds are expected to be built during the 5-year term of this permit. Outfall numbers associated with a few of the ponds have been adjusted on the attached tables compared to the tables attached to the modification package submitted on February 13, 2012. From this point forward, the assigned outfall numbers in this application package will be used. LRCC also requests that wording be placed in the permit to allow for minor revisions to ponds or outfall locations that are consistent with, and fall within, the mining area boundary as defined in the State Mining plan.

All of the impoundments are designed for at least a 25-year, 6-hour precipitation event, and LRCC intends to contain all runoff water for mine use (dust control) and eliminate discharges. If you have any questions or require additional information, please do not hesitate to contact me at (505) 285-3053.

Sincerely,

Mark Rochlitz
Senior Engineering Manager

Pc: NM Surface Water Program Manager

Expiration 1/31/14

Please print or type in the unshaded areas only.

Form Approved. OMB No. 2040-0086.

FORM 1 GENERAL

U.S. ENVIRONMENTAL PROTECTION AGENCY
GENERAL INFORMATION
Consolidated Permits Program
(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER: F NM0030996 (T/A: D)

LABEL ITEMS	
I. EPA I.D. NUMBER	PLEASE PLACE LABEL IN THIS SPACE
III. FACILITY NAME	
V. FACILITY MAILING ADDRESS	
VI. FACILITY LOCATION	

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold-faced terms**.

SPECIFIC QUESTIONS	Mark "X" YES	NO	FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to **waters of the U.S.**? (FORM 2A)		X	
B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge** to **waters of the U.S.**? (FORM 2B)		X	
C. Is this a facility which currently results in **discharges** to **waters of the U.S.** other than those described in A or B above? (FORM 2C)	X		X
D. Is this a proposed facility *(other than those described in A or B above)* which will result in a **discharge** to **waters of the U.S.**? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3)		X	
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	
J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	

III. NAME OF FACILITY

SKIP: El Segundo Coal Mine

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*: Rochlitz, Mark, Sr. Engineering Manager

B. PHONE *(area code & no.)*: (505) 285-3053

V. FACILTY MAILING ADDRESS

A. STREET OR P.O. BOX: P.O. Box 978

B. CITY OR TOWN: Grants

C. STATE: NM

D. ZIP CODE: 87020

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 35mi. N of Milan, NM, off SR 509

B. COUNTY NAME: McKinley

C. CITY OR TOWN: Grants

D. STATE: NM

E. ZIP CODE: 87020

F. COUNTY CODE *(if known)*:

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)

A. FIRST	B. SECOND
1221 (specify) Sub-bituminous coal surface mining	(specify)
C. THIRD	**D. FOURTH**
(specify)	(specify)

VIII. OPERATOR INFORMATION

A. NAME: Lee Ranch Coal Company, El Segundo Mine

B. Is the name listed in Item VIII-A also the owner? ☑ YES ☐ NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box: if "Other," specify.)

F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC (other than federal or state)
O = OTHER (specify)

P (specify)

D. PHONE (area code & no.): A (505) 285-3053

E. STREET OR P.O. BOX: P.O. Box 978

F. CITY OR TOWN: Grants

G. STATE: NM

H. ZIP CODE: 87020

IX. INDIAN LAND

Is the facility located on Indian lands? ☐ YES ☑ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions from Proposed Sources)
9 N NM0030996	9 P NA
B. UIC (Underground Injection of Fluids)	**E. OTHER (specify)**
9 U NA	9 2010-1 (specify) Surface Mining
C. RCRA (Hazardous Wastes)	**E. OTHER (specify)**
9 R NA	9 2604M1 (specify) Air Quality-Construction

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

The El Segundo Mine is a surface coal mine that produces approximately 8 million tons of sub-bituminous coal annually using typical surface mining methods. Production began in 2008.

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the 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.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Mark Rochlitz Sr. Engineering Manager		7-25-2013

COMMENTS FOR OFFICIAL USE ONLY

EPA Form 3510-1 (8-90)

Please print or type in the unshaded areas only.

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)
NM0030996

Form Approved.
OMB No. 2040-0086.
Approval expires 3-31-98.

FORM **2C** NPDES

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (*list*)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (*name*)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
							See Table I.A in the Form 2C Attachment

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (*e.g., for certain mining activities*), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (*list*)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (*list*)	b. AVERAGE FLOW (*include units*)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
	See Table II.B in the Form 2C				
	Attachment				

OFFICIAL USE ONLY (*effluent guidelines sub-categories*)

CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐ YES (*complete the following table*) ☑ NO (*go to Section III*)

1. OUTFALL NUMBER (*list*)	2. OPERATION(s) CONTRIBUTING FLOW (*list*)	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK (*specify average*)	b. MONTHS PER YEAR (*specify average*)	a. FLOW RATE (*in mgd*)		B. TOTAL VOLUME (*specify with units*)		C. DURATION (*in days*)
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☑ YES (*complete Item III-B*) ☐ NO (*go to Section IV*)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (*or other measure of operation*)?

☐ YES (*complete Item III-C*) ☑ NO (*go to Section IV*)

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (*list outfall numbers*)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (*specify*)	
N/A	N/A	N/A	N/A

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operations of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

☐ YES (*complete the following table*) ☑ NO (*go to Item IV-B*)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
N/A	N/A	N/A	N/A	N/A	N/A

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (*or other environmental projects which may affect your discharges*) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

☐ MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)
NM0030996

CONTINUED FROM PAGE 2

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.
NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

D. Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
Lee Ranch Coal Company has no knowledge of or reason to believe that the pollutants listed in Table 2C-3 will be discharged from any outfall at the El Segundo Mine. Table V (1) in the Form 2C Attachment presents analytical results for surface water samples collected at stream monitoring sites required by the El Segundo Surface Mining Permit No. 2010-1. Table V(2) in the Form 2C Attachment presents analytical results for water samples collected at non-discharging ponds (MSP34W1C and MSP34W1B).			

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ YES (*list all such pollutants below*) ☑ NO (*go to Item VI-B*)

N/A

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ YES (*identify the test(s) and describe their purposes below*) ☑ NO (*go to Section VIII*)

N/A

VIII. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☑ YES (*list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below*) ☐ NO (*go to Section IX*)

A. NAME	B. ADDRESS	C. TELEPHONE (*area code & no.*)	D. POLLUTANTS ANALYZED (*list*)
Trace Analysis, Inc	6701 Aberdeen Ave., Suite 9 Lubbock, TX 79424-1515	(806)794-1296	See Table VIII.D in the Form 2C Attachment

IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE (*type or print*)	B. PHONE NO. (*area code & no.*)
Mark Rochlitz, Sr. Engineering Manager	(505) 285-3053
C. SIGNATURE	**D. DATE SIGNED**
	7-25-2013

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (*use the same format*) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)
NM0030996

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

OUTFALL NO.
See Table V(1) & V(2)

PART A –You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						d. NO. OF ANALYSES	3. UNITS (*specify if blank*)		4. INTAKE (*optional*)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)			a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (*BOD*)												
b. Chemical Oxygen Demand (*COD*)												
c. Total Organic Carbon (*TOC*)												
d. Total Suspended Solids (*TSS*)												
e. Ammonia (*as N*)												
f. Flow	VALUE N/A		VALUE N/A		VALUE N/A					VALUE		
g. Temperature (*winter*)	VALUE N/A		VALUE N/A		VALUE N/A			°C		VALUE		
h. Temperature (*summer*)	VALUE N/A		VALUE N/A		VALUE N/A			°C		VALUE		
i. pH	MINIMUM N/A	MAXIMUM N/A	MINIMUM N/A	MAXIMUM N/A				STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (*if available*)	2. MARK "X"		3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (*optional*)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)			a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)														
b. Chlorine, Total Residual														
c. Color														
d. Fecal Coliform														
e. Fluoride (16984-48-8)														
f. Nitrate-Nitrite (*as N*)														

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. *(if available)*	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE *(if available)*		c. LONG TERM AVRG. VALUE *(if available)*		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (*as N*)														
h. Oil and Grease														
i. Phosphorus (as P), Total (7723-14-0)														
j. Radioactivity														
(1) Alpha, Total														
(2) Beta, Total														
(3) Radium, Total														
(4) Radium 226, Total														
k. Sulfate (*as SO_4*) (14808-79-8)														
l. Sulfide (*as S*)														
m. Sulfite (*as SO_3*) (14265-45-3)														
n. Surfactants														
o. Aluminum, Total (7429-90-5)														
p. Barium, Total (7440-39-3)														
q. Boron, Total (7440-42-8)														
r. Cobalt, Total (7440-48-4)														
s. Iron, Total (7439-89-6)														
t. Magnesium, Total (7439-95-4)														
u. Molybdenum, Total (7439-98-7)														
v. Manganese, Total (7439-96-5)														
w. Tin, Total (7440-31-5)														
x. Titanium, Total (7440-32-6)														

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)	OUTFALL NUMBER
NM0030996	See attached Table

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions*), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (*all 7 pages*) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)															
2M. Arsenic, Total (7440-38-2)															
3M. Beryllium, Total (7440-41-7)															
4M. Cadmium, Total (7440-43-9)															
5M. Chromium, Total (7440-47-3)															
6M. Copper, Total (7440-50-8)															
7M. Lead, Total (7439-92-1)															
8M. Mercury, Total (7439-97-6)															
9M. Nickel, Total (7440-02-0)															
10M. Selenium, Total (7782-49-2)															
11M. Silver, Total (7440-22-4)															
12M. Thallium, Total (7440-28-0)															
13M. Zinc, Total (7440-66-6)															
14M. Cyanide, Total (57-12-5)															
15M. Phenols, Total															
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)				DESCRIBE RESULTS											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Accrolein (107-02-8)															
2V. Acrylonitrile (107-13-1)															
3V. Benzene (71-43-2)															
4V. Bis (*Chloromethyl*) Ether (542-88-1)															
5V. Bromoform (75-25-2)															
6V. Carbon Tetrachloride (56-23-5)															
7V. Chlorobenzene (108-90-7)															
8V. Chlorodibromomethane (124-48-1)															
9V. Chloroethane (75-00-3)															
10V. 2-Chloroethylvinyl Ether (110-75-8)															
11V. Chloroform (67-66-3)															
12V. Dichlorobromomethane (75-27-4)															
13V. Dichlorodifluoromethane (75-71-8)															
14V. 1,1-Dichloroethane (75-34-3)															
15V. 1,2-Dichloroethane (107-06-2)															
16V. 1,1-Dichloroethylene (75-35-4)															
17V. 1,2-Dichloropropane (78-87-5)															
18V. 1,3-Dichloropropylene (542-75-6)															
19V. Ethylbenzene (100-41-4)															
20V. Methyl Bromide (74-83-9)															
21V. Methyl Chloride (74-87-3)															

CONTINUED FROM PAGE V-4

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS (*continued*)															
22V. Methylene Chloride (75-09-2)															
23V. 1,1,2,2-Tetrachloroethane (79-34-5)															
24V. Tetrachloro-ethylene (127-18-4)															
25V. Toluene (108-88-3)															
26V. 1,2-Trans-Dichloroethylene (156-60-5)															
27V. 1,1,1-Trichloro-ethane (71-55-6)															
28V. 1,1,2-Trichloro-ethane (79-00-5)															
29V Trichloro-ethylene (79-01-6)															
30V. Trichloro-fluoromethane (75-69-4)															
31V. Vinyl Chloride (75-01-4)															
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)															
2A. 2,4-Dichloro-phenol (120-83-2)															
3A. 2,4-Dimethyl-phenol (105-67-9)															
4A. 4,6-Dinitro-O-Cresol (534-52-1)															
5A. 2,4-Dinitro-phenol (51-28-5)															
6A. 2-Nitrophenol (88-75-5)															
7A. 4-Nitrophenol (100-02-7)															
8A. P-Chloro-M-Cresol (59-50-7)															
9A. Pentachloro-phenol (87-86-5)															
10A. Phenol (108-95-2)															
11A. 2,4,6-Trichloro-phenol (88-05-2)															

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)															
2B. Acenaphtylene (208-96-8)															
3B. Anthracene (120-12-7)															
4B. Benzidine (92-87-5)															
5B. Benzo (*a*) Anthracene (56-55-3)															
6B. Benzo (*a*) Pyrene (50-32-8)															
7B. 3,4-Benzo-fluoranthene (205-99-2)															
8B. Benzo (*ghi*) Perylene (191-24-2)															
9B. Benzo (*k*) Fluoranthene (207-08-9)															
10B. Bis (*2-Chloro-ethoxy*) Methane (111-91-1)															
11B. Bis (*2-Chloro-ethyl*) Ether (111-44-4)															
12B. Bis (*2-Chloroisopropyl*) Ether (102-80-1)															
13B. Bis (*2-Ethyl-hexyl*) Phthalate (117-81-7)															
14B. 4-Bromophenyl Phenyl Ether (101-55-3)															
15B. Butyl Benzyl Phthalate (85-68-7)															
16B. 2-Chloro-naphthalene (91-58-7)															
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)															
18B. Chrysene (218-01-9)															
19B. Dibenzo (*a,h*) Anthracene (53-70-3)															
20B. 1,2-Dichloro-benzene (95-50-1)															
21B. 1,3-Di-chloro-benzene (541-73-1)															

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (*continued*)															
22B. 1,4-Dichloro-benzene (106-46-7)															
23B. 3,3-Dichloro-benzidine (91-94-1)															
24B. Diethyl Phthalate (84-66-2)															
25B. Dimethyl Phthalate (131 -11-3)															
26B. Di-N-Butyl Phthalate (84-74-2)															
27B. 2,4-Dinitro-toluene (121-14-2)															
28B. 2,6-Dinitro-toluene (606-20-2)															
29B. Di-N-Octyl Phthalate (117-84-0)															
30B. 1,2-Diphenyl-hydrazine (*as Azo-benzene*) (122-66-7)															
31B. Fluoranthene (206-44-0)															
32B. Fluorene (86-73-7)															
33B. Hexachloro-benzene (118-74-1)															
34B. Hexachloro-butadiene (87-68-3)															
35B. Hexachloro-cyclopentadiene (77-47-4)															
36B Hexachloro-ethane (67-72-1)															
37B. Indeno (*1,2,3-cd*) Pyrene (193-39-5)															
38B. Isophorone (78-59-1)															
39B. Naphthalene (91-20-3)															
40B. Nitrobenzene (98-95-3)															
41B. N-Nitro-sodimethylamine (62-75-9)															
42B. N-Nitrosodi-N-Propylamine (621-64-7)															

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (*continued*)															
43B. N-Nitro-sodiphenylamine (86-30-6)															
44B. Phenanthrene (85-01-8)															
45B. Pyrene (129-00-0)															
46B. 1,2,4-Tri-chlorobenzene (120-82-1)															
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)															
2P. α-BHC (319-84-6)															
3P. β-BHC (319-85-7)															
4P. γ-BHC (58-89-9)															
5P. δ-BHC (319-86-8)															
6P. Chlordane (57-74-9)															
7P. 4,4'-DDT (50-29-3)															
8P. 4,4'-DDE (72-55-9)															
9P. 4,4'-DDD (72-54-8)															
10P. Dieldrin (60-57-1)															
11P. α-Enosulfan (115-29-7)															
12P. β-Endosulfan (115-29-7)															
13P. Endosulfan Sulfate (1031-07-8)															
14P. Endrin (72-20-8)															
15P. Endrin Aldehyde (7421-93-4)															
16P. Heptachlor (76-44-8)															

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)	OUTFALL NUMBER
NM0030996	See attached Table

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – PESTICIDES (*continued*)															
17P. Heptachlor Epoxide (1024-57-3)															
18P. PCB-1242 (53469-21-9)															
19P. PCB-1254 (11097-69-1)															
20P. PCB-1221 (11104-28-2)															
21P. PCB-1232 (11141-16-5)															
22P. PCB-1248 (12672-29-6)															
23P. PCB-1260 (11096-82-5)															
24P. PCB-1016 (12674-11-2)															
25P. Toxaphene (8001-35-2)															

LEE RANCH COAL COMPANY, EL SEGUNDO MINE
NPDES PERMIT NM0030996, PERMIT RENEWAL

FORM 2C
ATTACHMENTS

TABLE I.A, FORM 2C: OUTFALL LOCATION INFORMATION

ID NUMBER[(1)]	OUTFALL NUMBER	LATITUDE	LONGITUDE	RECEIVING WATER
SP2W1	001	35°39'02.01923"	107°51'22.65110"	Kim-me-ni-oli Valley Tributary*
SP1W2	002	35°38'28.45977"	107°50'19.10977"	Kim-me-ni-oli Valley Tributary*
SP2W5	003	35°39'01.37393"	107°51'57.32451"	Kim-me-ni-oli Valley Tributary*
SP2W4	004	35°38'59.06337"	107°51'54.08060"	Kim-me-ni-oli Valley Tributary*
SP3W1	005	35°38'46.44242"	107°52'22.49655"	Kim-me-ni-oli Valley Tributary*
SP2W3	006	35°38'57.60885"	107°52'12.02655"	Kim-me-ni-oli Valley Tributary*
SP1W6	007	35°38'25.87145"	107°50'46.92975"	Kim-me-ni-oli Valley Tributary*
~~SP1W3~~	~~008~~	~~35°38'35.85945"~~	~~107°38'35.85945"~~	~~Kim-me-ni-oli Valley Tributary*~~
SP2W2	009	35°38'29.57514"	107°51'21.92387"	Kim-me-ni-oli Valley Tributary*
SP1W7	010	35°38'33.08565"	107°51'17.77311"	Kim-me-ni-oli Valley Tributary*
SP1W4	011	35°38'50.26755"	107°51'13.36075"	Kim-me-ni-oli Valley Tributary*
SP1W5	012	35°38'50.72868"	107°51'18.55134"	Kim-me-ni-oli Valley Tributary*
MSP35W6	013	35°39'48.68750"	107°52'08.31680"	Kim-me-ni-oli Valley Tributary*
MSP35W2	014	35°39'47.57080"	107°52'26.50500"	Kim-me-ni-oli Valley Tributary*
MSP35W3	015	35°39'57.04340"	107°52'22.27300"	Kim-me-ni-oli Valley Tributary*
MSP34W1	016	35°40'00.32390"	107°53'00.29690"	Kim-me-ni-oli Valley Tributary*
MSP34W2	017	35°40'00.17890"	107°53'09.11700"	Kim-me-ni-oli Valley Tributary*
SEWAGE LAGOON	018	35°38'57.74399"	107°51'30.10777"	Not applicable, lagoon does not discharge
~~MSP35W4~~	~~019~~	~~35°39'23.42820"~~	~~107°51'44.87220"~~	~~Kim-me-ni-oli Valley Tributary*~~
MSP20W1	020	35°41'45.82480"	107°55'03.02510"	Kim-me-ni-oli Valley Tributary*
MSP21W1	021	35°41'44.47820"	107°54'36.72330"	Kim-me-ni-oli Valley Tributary*
~~MSP26W1~~	~~022~~	~~35°40'02.48310"~~	~~107°52'24.14020"~~	~~Kim-me-ni-oli Valley Tributary*~~
MSP27W1	023	35°40'18.57850"	107°52'44.86460"	Kim-me-ni-oli Valley Tributary*
MSP28W1	024	35°40'06.05300"	107°53'45.05580"	Kim-me-ni-oli Valley Tributary*
MSP28W2	025	35°40'03.86650"	107°54'20.22530"	Kim-me-ni-oli Valley Tributary*
MSP28W3	026	35°40'09.57010"	107°54'33.61880"	Kim-me-ni-oli Valley Tributary*
MSP28W4	027	35°40'42.20920"	107°54'24.02900"	Kim-me-ni-oli Valley Tributary*
MSP29W1	028	35°40'35.99950"	107°54'50.05840"	Kim-me-ni-oli Valley Tributary*
MSP29W2	029	35°40'42.22980"	107°54'46.87210"	Kim-me-ni-oli Valley Tributary*
SP2W6	030	35°39'10.58499"	107°51'57.09588"	Kim-me-ni-oli Valley Tributary*
SP3W2	031	35°38'55.10346"	107°52'46.87900"	Kim-me-ni-oli Valley Tributary*
SP3W3	032	35°38'56.94357"	107°52'44.64213"	Kim-me-ni-oli Valley Tributary*
SP35W4	033	35°39'26.54430"	107°52'13.87367"	Kim-me-ni-oli Valley Tributary*
MSP1W1	034	35°39'07.24747"	107°51'11.35081"	Kim-me-ni-oli Valley Tributary*
MSP20W2	035	35°41'29.15439"	107°55'01.87730"	Kim-me-ni-oli Valley Tributary*
MSP21W2	036	35°41'17.59690"	107°54'08.37765"	Kim-me-ni-oli Valley Tributary*
MSP29W3	037	35°40'32.13921"	107°55'01.73089"	Kim-me-ni-oli Valley Tributary*
MSP34W3	038	35°40'03.64965"	107°53'31.87811"	Kim-me-ni-oli Valley Tributary*
MSP35W5	039	35°39'23.68616"	107°51'44.32688"	Kim-me-ni-oli Valley Tributary*
MSP35W7	040	35°39'50.22472"	107°52'13.00073"	Kim-me-ni-oli Valley Tributary*
MSP36W1	041	35°39'10.99588"	107°51'28.33571"	Kim-me-ni-oli Valley Tributary*
MSP5E4	042	35°38'47.34196"	107°48'29.41530"	Inditios Draw**

MSP5E3	043	35°38'50.05730"	107°48'05.85054"	Inditios Draw**
MSP4E1	044	35°38'46.26628"	107°47'48.70650"	Inditios Draw**
MSP4E2	045	35°38'34.99914"	107°47'33.48255"	Inditios Draw**
MSP4E3	046	35°38'33.02111"	107°47'22.36140"	Inditios Draw**
MSP3E2	047	35°38'31.53214"	107°46'57.71286"	Inditios Draw**
MSP3E1	048	35°38'36.52615"	107°46'35.88041"	Inditios Draw**
MSP34E1	049	35°39'15.44785"	107°46'37.72115"	Inditios Draw**
MSP6E1	050	35°38'42.16980"	107°49'15.41620"	Inditios Draw**
MSP5E2	051	35°38'51.60090"	107°48'57.47920"	Inditios Draw**
MSP32E1	052	35°39'19.90000"	107°48'34.14000"	Inditios Draw**
MSP5E1	053	35°38'59.72000"	107°48'48.22000"	Inditios Draw**
MSP31E1	054	35°39'11.21000"	107°49'31.65000"	Inditios Draw**
MSP33E2	055	35°39'29.62000"	107°47'25.12000"	Inditios Draw**

(1) ID Numbers with a strikethrough have been removed due to mining and reclamation activities. Therefore, these outfalls no longer exist. ID numbers shown in blue text are proposed ponds that will be built in the next 5-year permit term.

* The Kim-me-ni-oli valley tributary flows into the Chaco Ricer, which flows to the San Juan River, approximately 100 miles northwest of the El Segundo permit area, which is a tributary of the Colorado River.

**Inditos Draw is a tributary of Vought Draw, which flows into Arroyo Chico which flows into the Rio Puerco approximately 60 miles southeast of the El Segundo permit area, which is a tributary of the Rio Grande.

TABLE II.A, FORM 2C: LINE DRAWING

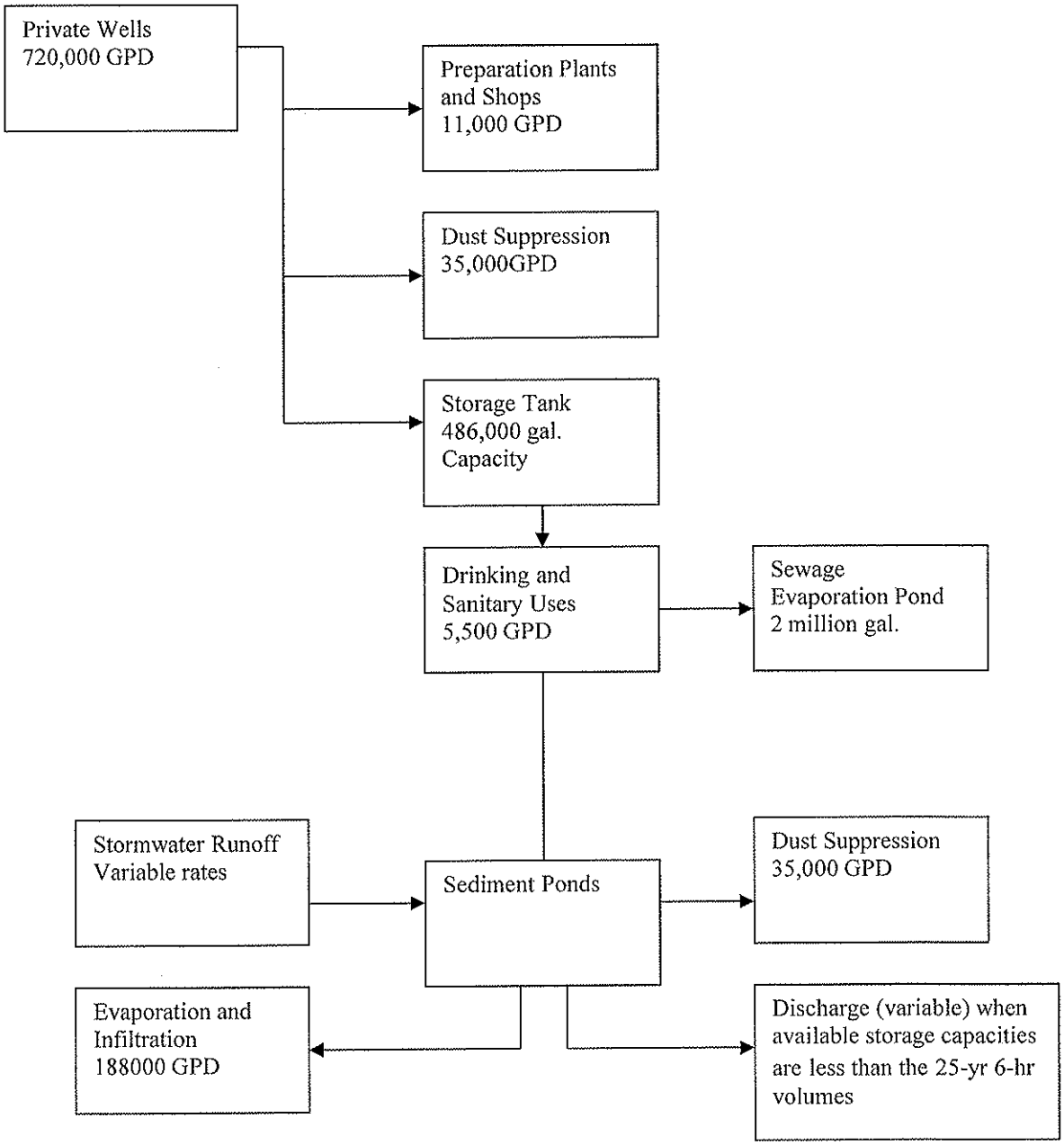


TABLE II.B, FORM 2C: FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

ID NUMBER	OUTFALL NUMBER	OPERATIONS CONTRIBUTING	PEAK DISCHARGE IN (MGD)[1]	PEAK DISCHARGE OUT (MGD)[2]	TREATMENT DESCRIPTION	TREATMENT CODES
SP2W1	001	Storm Water Runoff	21.3130	0.0000	Evaporation and Sedimentation	1-F, 1-U
SP1W2	002	Storm Water Runoff	2.3403	0.0000	Evaporation and Sedimentation	1-F, 1-U
SP2W5	003	Storm Water Runoff	2.5161	0.0000	Evaporation and Sedimentation	1-F, 1-U
SP2W4	004	Storm Water Runoff	2.5161	0.0000	Evaporation and Sedimentation	1-F, 1-U
SP3W1	005	Storm Water Runoff	1.0819	0.0000	Evaporation and Sedimentation	1-F, 1-U
SP2W3	006	Storm Water Runoff	17.1611	0.0000	Evaporation and Sedimentation	1-F, 1-U
SP1W6	007	Storm Water Runoff	29.2318	0.0000	Evaporation and Sedimentation	1-F, 1-U
~~SP1W3~~	~~008~~	~~Storm Water Runoff~~	~~0.2574~~	~~0.2574~~	~~Evaporation and Sedimentation~~	~~1-F, 1-U~~
SP2W2	009	Storm Water Runoff	83.9434	0.0000	Evaporation and Sedimentation	1-F, 1-U
SP1W7	010	Storm Water Runoff	83.9434	0.0000	Evaporation and Sedimentation	1-F, 1-U
SP1W4	011	Storm Water Runoff	36.3600	0.0000	Evaporation and Sedimentation	1-F, 1-U
SP1W5	012	Storm Water Runoff	6.5175	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP35W6	013	Storm Water Runoff	80.0493	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP35W2	014	Storm Water Runoff	31.2774	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP35W3	015	Storm Water Runoff	33.4949	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP34W1	016	Storm Water Runoff	20.5581	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP34W2	017	Storm Water Runoff	11.1471	0.0000	Evaporation and Sedimentation	1-F, 1-U
SEWAGE LAGOON	018	Sanitary Wastewater	0.0035 (Max. Daily Flow)	0.0035 (Max. Daily Flow)	Evaporation and Stabilization	1-F, 3-G
~~MSP35W4~~	~~019~~	~~Storm Water Runoff~~	~~0.6615~~	~~0.6615~~	~~Evaporation and Sedimentation~~	~~1-F, 1-U~~
MSP20W1	020	Storm Water Runoff	33.6177	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP21W1	021	Storm Water Runoff	57.0946	0.0000	Evaporation and Sedimentation	1-F, 1-U
~~MSP26W1~~	~~022~~	~~Storm Water Runoff~~	~~0.8407~~	~~0.8407~~	~~Evaporation and Sedimentation~~	~~1-F, 1-U~~
MSP27W1	023	Storm Water Runoff	19.1744	0.6237	Evaporation and Sedimentation	1-F, 1-U
MSP28W1	024	Storm Water Runoff	22.5960	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP28W2	025	Storm Water Runoff	19.5764	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP28W3	026	Storm Water Runoff	25.9258	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP28W4	027	Storm Water Runoff	25.0624	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP29W1	028	Storm Water Runoff	14.9720	0.0000	Evaporation and Sedimentation	1-F, 1-U

MSP29W2	029	Storm Water Runoff	45.3936	0.0000	Evaporation and Sedimentation	1-F, 1-U
SP2W6	030	Storm Water Runoff	17.1094	0.0000	Evaporation and Sedimentation	1-F, 1-U
SP3W2	031	Storm Water Runoff	2.8432	0.0000	Evaporation and Sedimentation	1-F, 1-U
SP3W3	032	Storm Water Runoff	0.3522	0.0000	Evaporation and Sedimentation	1-F, 1-U
SP35W4	033	Storm Water Runoff	29.4657	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP1W1	034	Storm Water Runoff	47.4690	0.6062	Evaporation and Sedimentation	1-F, 1-U
MSP20W2	035	Storm Water Runoff	57.4139	0.7000	Evaporation and Sedimentation	1-F, 1-U
MSP21W2	036	Storm Water Runoff	49.7970	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP29W3	037	Storm Water Runoff	8.0771	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP34W3	038	Storm Water Runoff	16.2802	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP35W5	039	Storm Water Runoff	31.4286	0.5823	Evaporation and Sedimentation	1-F, 1-U
MSP35W7	040	Storm Water Runoff	19.4258	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP36W1	041	Storm Water Runoff	13.7136	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP5E4	042	Storm Water Runoff	35.9580	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP5E3	043	Storm Water Runoff	5.1757	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP4E1	044	Storm Water Runoff	19.0231	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP4E2	045	Storm Water Runoff	35.3886	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP4E3	046	Storm Water Runoff	25.6912	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP3E2	047	Storm Water Runoff	56.9938	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP3E1	048	Storm Water Runoff	34.6996	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP34E1	049	Storm Water Runoff	46.7276	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP6E1	050	Storm Water Runoff	13.8397	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP5E2	051	Storm Water Runoff	19.8007	0.0000	Evaporation and Sedimentation	1-F, 1-U
MSP32E1	052	Storm Water Runoff	52.4385	0.6890	Evaporation and Sedimentation	1-F, 1-U
MSP5E1	053	Storm Water Runoff	18.1170	0.5313	Evaporation and Sedimentation	1-F, 1-U
MSP31E1	054	Storm Water Runoff	33.0703	0.5701	Evaporation and Sedimentation	1-F, 1-U
MSP33E2	055	Storm Water Runoff	199.8169	49.9483	Evaporation and Sedimentation	1-F, 1-U

(1) Peak discharge into the pond are determined from SEDCAD results for a 2-yr, 24-hr precipitation event, except where noted.

(2) Peak discharge out of the pond are determined from SEDCAD results for a 2-yr, 24-hr precipitation event, except where noted.

TABLE V(1), FORM 2C: ANALYTICAL RESULTS OF SAMPLES COLLECTED AT STREAM MONITORING SITES

	2008	2008	2008	2008	2009	2009	2010	2010	2010	2010	2010	2010	2010
LOCATION	SWM-6 L	SWM-6 U	SWM-5	SWM-4	SWM-4	SWM-6	SWM-1 L	SWM-1 U	SWM-1 L	SWM-4 U	SWM-4 L	SWM-5 U	SWM-5 L
DATE SAMPLED	9/23/2008	9/23/2008	9/23/2008	9/23/2008	6/30/2009	6/30/2009	7/28/2010	7/28/2010	8/11/2010	8/11/2010	8/11/2010	8/11/2010	8/11/2010
Dissolved Aluminum	<0.0500	<0.0500	<0.0500	<0.0500	0.052	0.067							
Total Aluminum							193	240	0.293	0.126	0.122	0.138	0.156
Hydroxide Alkalinity	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Carbonate Alkalinity	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bicarbonate Alkalinity	152	94	154	124	150	125	80	140	80	230	170	540	240
Total Alkalinity	152	94	154	124	150	125	80	140	80	230	170	540	240
Dissolved Arsenic	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	<0.0500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Total Arsenic													
Dissolved Boron	0.037	0.017	0.21	0.035	0.032	0.021	0.083	0.102	0.051	0.033	0.036	0.038	0.055
Dissolved Calcium	34	32.7	36.6	30.9	36.4	47.7	42.4	58.1	28.7	34.8	37.3	59.5	41.4
Dissolved Cadmium	<0.00100	<0.00100	<0.00100	<0.00100	0.002	0.001	<0.0250	<0.0250	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Total Cadmium													
Chloride	<15.0	<15.0	<15.0	<15.0	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5
Specific Conductance													
Dissolved Colbalt	0.003	<0.00200	<0.00200	<0.00200	<0.00200	0.002	<0.0250	<0.0250	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Dissolved Chromium	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0500	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dissolved Copper	<0.00500	<0.00500	0.005	<0.00500	<0.00500	<0.00500	0.111	0.109	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Dissolved Iron													
Total Iron							200	249	<0.000200	<0.000400	0.00052	0.00129	0.0009
Flouride													
Total Mercury	0.000936	<0.000400	0.00106	0.00113	0.000596	0.000912	0.00049	0.00059	11.9	4.68	5.98	8.8	9.68
Dissolved Potassium	8.2	7.92	8.56	5.98	5.03	8.98	28.9	30.5	3.83	3.59	4.11	8.13	5.17
Dissolved Magnesium	2.14	2.02	3.63	3.01	3.94	6.09	16	19.5	<0.00250	0.074	<0.00250	2.77	1.84
Dissolved Manganese	2.13	<0.00250	<0.00250	0.179	0.346	0.748							
Total Manganese													
Nitrate-N													
Dissolved Sodium	2.5	2.14	30	24	15	5.13	<5.00	<5.00	10.7	18.1	16.4	12.5	7.5
Dissolved Lead	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.064	0.059	<0.00500	<0.00500	<0.00500	<0.00500	0.016
Total Lead													
Total Phosphorous													
pH	6.89	7.38	7.59	7.63	8.19	7.89	7.3	7.12	7.63	7.76	7.55	7.44	7.41
SAR													
Total Selenium	<0.0200	<0.0200	<0.0200	<0.0200	<0.200	<0.200	<0.100	<0.100	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Sulfate	9.47	11.1	32.3	16.2	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5
Total Dissolved Solids	325	183	330	322	342	212	903	1110	81	990	214	244	231
Total Suspended Solids	29200	6440	21300	31800	31000	19800	3610	10000	1310	7020	6500	25900	19800
Dissolved Vanadium	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.098	0.119	0.04	0.036	0.036	0.049	0.038
Dissolved Zinc	<0.0700	<0.0700	<0.0700	<0.0700	0.016	<0.00700	0.111	0.132	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

2010	2011	2011	2011	2011	2011	2011	2012	2012	2012	2012	2012	2012	2012	2012	
SWM-6	SWM-1 U	SWM-1 L	SWM-2 U	SWM-2 L	SWM-2 U	SWM-2 L	SWM-1 U	SWM-1 L	SWM-7 L	SWM-1 U	SWM-7 L	SWM-1 U	SWM-6 U	SWM-1 L	
8/11/2010	7/19/2011	7/19/2011	7/19/2011	7/19/2011	11/30/2011	11/30/2011	7/20/2012	7/20/2012	8/2/2012	9/13/2013	9/13/2013	10/22/2012	10/22/2012	10/22/2012	Units
							0.281	<0.250							mg/L
0.412	613	490	26.1	32.3	<0.0500	<0.0500			110	331	513	50.8	12.5	416	mg/L
<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	mg/L as CaCo3
<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	mg/L as CaCo3
80	320	330	130	220	130	150	45.0	60.0	379	323	300	120	115	108	mg/L as CaCo3
80	320	330	130	220	130	150	45.0	60.0	379	232	300	120	115	108	mg/L as CaCo3
<0.00500							<0.0500	<0.0500				<0.0200	<0.0200	<0.0200	mg/L
	0.147	0.107	0.011	0.01	<0.0100	<0.0100			<0.0500	0.168	0.0500				mg/L
0.036	0.077	0.067	0.045	0.043	0.066	0.023	<0.0500	0.0970	0.271	0.0820	0.1020	0.0460	0.0280	0.0500	mg/L
20.8	80.7	60.8	47.1	47.6	63.9	56.6	10.6	14.7	24.3	176	26.7	33.9	44.6	26.4	mg/L
<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	<0.0250				<0.0200	<0.0200	<0.0200	mg/L
	<0.00500	<0.00500	<0.00500	<0.00500					<0.0250	<0.0500	<0.0500				mg/L
<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<2.50	<2.50	23.4	6.46	19.1	<12.5	<12.5	<12.5	mg/L
	528	412	292	292					698	835	530				uMHOS/cm
<0.00500					<0.00500	<0.00500	<0.0250	<0.0250				<0.0200	<0.0200	<0.0200	mg/L
<0.00100					<0.0100	<0.0100	<0.0500	<0.0500				<0.0200	<0.0200	<0.0200	mg/L
<0.00500					0.147	0.161	<0.0250	<0.0250				<0.0100	<0.0100	<0.0100	mg/L
	1.6	0.23	<0.0100	<0.0100					0.350	0.0270	0.0260				mg/L
<0.000200	693	542	27.2	33					118	590	600	45.4	8.13	388	mg/L
	<2.50	<2.50	<2.50	<2.50					<2.50	<0.500	0.787				mg/L
6.5	0.00194	0.00114	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	0.000830	<0.000800	<0.000400	<0.000200	0.000730	mg/L
2.48	15.1	12.3	10.4	12.2	12	10.1	<5.00	<5.00	8.99	32.7	9.70	9.11	7.75	11.0	mg/L
0.005	13	9.36	5.63	5.16	4.45	3.73	<5.00	<5.00	2.09	23.3	<1.00	4.76	<2.00	3.65	mg/L
	2.76	1.85	0.507	0.277					<0.00500	1.78	0.369				mg/L
	17.2	12.3	1.34	1.44					1.41	6.53	8.74				mg/L
	<2.50	<2.50	<2.50	<2.50					0.260	<0.0400	0.0626				mg/L
22.4	6.8	6.77	2.26	2.09	4.15	2.75	<5.00		154	7.59	120	2.51	<2.00	2.64	mg/L
<0.00500					<0.00500	<0.00500	<0.0250	<0.0250				<0.0200	<0.0200	<0.0200	mg/L
	0.509	0.358	0.014	0.018					<0.0250	<0.0500	<0.0500				mg/L
	19.8	14.5	1.3	1.51					<2.50	11.0	7.24				mg/L
8.95	6.66	6.3	6.94	6.95	7.36	7.36	6.80	6.59	7.62	7.31	7.27	7.42	7.68	7.42	S.U.
	0.185	0.213	0.0828	0.0768					8.0	0.00	10.0				
<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<1.00	mg/L
<12.5	<12.5	<12.5	<12.5	<12.5	41.6	32.2	<2.50	3.01	20.4	288	6.73	<12.5	<12.5	<12.5	mg/L
380	378	355	280	288	243	198	1197.0	1196.0	440.0	701.0	390.0	385.0	219.0	245.0	mg/L
41	122	82	80	314	1550	3420	2150	345	2210	14400	19600	640	13.3	11000	mg/L
0.041					<0.00500	<0.00500	<0.0250	<0.0250				<0.0100	<0.0100	<0.0100	mg/L
<0.00500					<0.00500	<0.00500	<0.0250	<0.0250				<0.0200	<0.0200	0.0990	mg/L

TABLE V(2), FORM 2C: ANALYTICAL RESULTS OF SAMPLES COLLECTED AT MSP34W1 PONDS

	2012	2012	
LOCATION	MSP 34W1C	MSP 34W1B	
DATE SAMPLED	4/25/2012	6/4/2012	
			Units
Dissolved Silver	<0.00500	<0.00500	mg/L
Dissolved Aluminum	0.0500	<0.0500	mg/L
Total Aluminum			mg/L
Hydroxide Alkalinity		<1.00	mg/L as CaCo3
Carbonate Alkalinity		10.0	mg/L as CaCo3
Bicarbonate Alkalinity		157	mg/L as CaCo3
Total Alkalinity		167	mg/L as CaCo3
Dissolved Arsenic	<0.0100	<0.0100	mg/L
Total Arsenic			mg/L
Dissolved Boron	0.194	0.105	mg/L
Dissolved Calcium			mg/L
Dissolved Cadmium	<0.0100	<0.0100	mg/L
Total Cadmium			mg/L
Chloride			mg/L
Specific Conductance			uMHOS/cm
Dissolved Colbalt	<0.0100	<0.0100	mg/L
Dissolved Chromium	<0.0100	<0.0100	mg/L
Dissolved Copper	0.0110	<0.00500	mg/L
Dissolved Iron		0.0190	mg/L
Total Iron		3.22	mg/L
Flouride			mg/L
Total Mercury	<0.000200	<0.000200	mg/L
Dissolved Potassium			mg/L
Dissolved Magnesium			mg/L
Dissolved Manganese			mg/L
Total Manganese			mg/L
Nitrate-N			mg/L
Dissolved Sodium			mg/L
Dissolved Nickel	<0.0100	<0.0100	mg/L
Dissolved Lead	<0.0100	<0.0100	mg/L
Total Lead			mg/L
Total PCB	<0.000525		mg/L
Aroclor 1016 (PCB-1016)	<0.000525		mg/L
Aroclor 1221 (PCB-1221)	<0.000525		mg/L
Aroclor 1232 (PCB-1232)	<0.000525		mg/L
Aroclor 1242 (PCB-1242)	<0.000525		mg/L
Aroclor 1248 (PCB-1248)	<0.000525		mg/L
Aroclor 1254 (PCB-1254)	<0.000525		mg/L
Aroclor 1260 (PCB-1260)	<0.000525		mg/L
Aroclor 1268 (PCB-1268)	<0.000525		mg/L
alpha-BHC	<0.000520		mg/L
gamma-BHC	<0.000520		mg/L
beta-BHC	<0.000520		mg/L
delta-BHC	<0.000520		mg/L
Heptachlor	<0.000520		mg/L
Aldrin	<0.000520		mg/L

Heptachlor Epoxide	<0.000520		mg/L
gamma-Chlordane	<0.000520		mg/L
alpha-Chlordane	<0.000520		mg/L
Endosulfan I	<0.000520		mg/L
p,p-DDE	<0.000520		mg/L
Dieldrin	<0.000520		mg/L
Endrin	<0.000520		mg/L
Endosulfan II	<0.000520		mg/L
p,p-DDD	<0.000520		mg/L
Endrin aldehyde	<0.000520		mg/L
p,p-DDT	<0.000520		mg/L
Endosulfan sulfate	<0.000520		mg/L
Methoxychlor	<0.000520		mg/L
Endrin Ketone	<0.000520		mg/L
Toxaphene	<0.00520		mg/L
Technical Chlordane	<0.00520		mg/L
Dissolved Antimony	<0.0500		mg/L
Total Phosphorous			mg/L
pH		8.56	S.U.
SAR			
Dissolved Selenium	<0.0200		mg/L
Total Selenium			mg/L
Sulfate			mg/L
Total Dissolved Solids			mg/L
Total Suspended Solids		56.0	mg/L
Dissolved Vanadium	<0.00500		mg/L
Dissolved Zinc	<0.0100		mg/L
Pyridine	<0.00588		mg/L
N-Nitrosodimethylamine	<0.00588		mg/L
2-Picoline	<0.00588		mg/L
Methyl methanesulfonate	<0.00588		mg/L
Ethyl methanesulfonate	<0.00588		mg/L
Phenol	<0.00588		mg/L
Aniline	<0.00588		mg/L
bis(2-chloroethyl)ether	<0.00588		mg/L
2-Chlorophenol	<0.00588		mg/L
1,3-Dichlorobenzene (meta)	<0.00588		mg/L
1,4-Dichlorobenzene (para)	<0.00588		mg/L
Benzyl alcohol	<0.00588		mg/L
1,2-Dichlorobenzene (ortho)	<0.00588		mg/L
2-Methylphenol	<0.00588		mg/L
bis(2-chloroisopropyl)ether	<0.00588		mg/L

4-Methylphenol / 3-Methylphenol	<0.00588		mg/L
N-Nitrosodi-n-propylamine	<0.00588		mg/L
Hexachloroethane	<0.00588		mg/L
Acetophenone	<0.00588		mg/L
Nitrobenzene	<0.00588		mg/L
N-Nitrosopiperidine	<0.00588		mg/L
Isophorone	<0.00588		mg/L
2-Nitrophenol	<0.00588		mg/L
2,4-Dimethylphenol	<0.00588		mg/L
bis(2-chloroethoxy)methane	<0.00588		mg/L
2,4-Dichlorophenol	<0.00588		mg/L
1,2,4-Trichlorobenzene	<0.00588		mg/L
Benzoic acid	<0.00588		mg/L
Naphthalene	<0.00588		mg/L
4-Chloroaniline	<0.00588		mg/L
2,6-Dichlorophenol	<0.0118		mg/L
Hexachlorobutadiene	<0.00588		mg/L
N-Nitroso-di-n-butylamine	<0.00588		mg/L
4-Chloro-3-methylphenol	<0.00588		mg/L
2-Methylnaphthalene	<0.00588		mg/L
1-Methylnaphthalene	<0.00588		mg/L
1,2,4,5-Tetrachlorobenzene	<0.00588		mg/L
Hexachlorocyclopentadiene	<0.00588		mg/L
2,4,6-Trichlorophenol	<0.0118		mg/L
2,4,5-Trichlorophenol	<0.00588		mg/L
2-Chloronaphthalene	<0.00588		mg/L
1-Chloronaphthalene	<0.00588		mg/L
2-Nitroaniline	<0.00588		mg/L
Dimethylphthalate	<0.00588		mg/L
Acenaphthylene	<0.00588		mg/L
2,6-Dinitrotoluene	<0.00588		mg/L
3-Nitroaniline	<0.00588		mg/L
Acenaphthene	<0.00588		mg/L
2,4-Dinitrophenol	<0.00588		mg/L
Dibenzofuran	<0.00588		mg/L
Pentachlorobenzene	<0.00588		mg/L
4-Nitrophenol	<0.0294		mg/L
2,4-Dinitrotoluene	<0.00588		mg/L
1-Naphthylamine	<0.00588		mg/L
2,3,4,6-Tetrachlorophenol	<0.0118		mg/L
2-Naphthylamine	<0.00588		mg/L
Fluorene	<0.00588		mg/L
4-Chlorophenyl-phenylether	<0.00588		mg/L
Diethylphthalate	<0.00588		mg/L
4-Nitroaniline	<0.00588		mg/L
Diphenylhydrazine	<0.00588		mg/L
4,6-Dinitro-2-methylphenol	<0.00588		mg/L
Diphenylamine	<0.00588		mg/L

4-Bromophenyl-phenylether	<0.00588		mg/L
Phenacetin	<0.00588		mg/L
Hexachlorobenzene	<0.00588		mg/L
4-Aminobiphenyl	<0.00588		mg/L
Pentachlorophenol	<0.0118		mg/L
Anthracene	<0.00588		mg/L
Pentachloronitrobenzene	<0.00588		mg/L
Pronamide	<0.00588		mg/L
Phenanthrene	<0.00588		mg/L
Di-n-butylphthalate	<0.00588		mg/L
Fluoranthene	<0.00588		mg/L
Benzidine	<0.0294		mg/L
Pyrene	<0.00588		mg/L
p-Dimethylaminoazobenzene	<0.00588		mg/L
Butylbenzylphthalate	<0.00588		mg/L
Benzo(a)anthracene	<0.00588		mg/L
3,3-Dichlorobenzidine	<0.00588		mg/L
Chrysene	<0.00588		mg/L
bis(2-ethylhexyl)phthalate	<0.00588		mg/L
Di-n-octylphthalate	<0.00588		mg/L
Benzo(b)fluoranthene	<0.00588		mg/L
Benzo(k)fluoranthene	<0.00588		mg/L
7,12-Dimethylbenz(a)anthracene	<0.00588		mg/L
Benzo(a)pyrene	<0.00588		mg/L
3-Methylcholanthrene	<0.00588		mg/L
Dibenzo(a,j)acridine	<0.00588		mg/L
Indeno(1,2,3-cd)pyrene	<0.00588		mg/L
Dibenzo(a,h)anthracene	<0.00588		mg/L
Benzo(g,h,i)perylene	<0.00588		mg/L
Dissolved Thallium	<0.0500		mg/L
Bromochloromethane	<1.00		µg/L
Dichlorodifluoromethane	<1.00		µg/L
Chloromethane (methyl chloride)	<1.00		µg/L
Vinyl Chloride	<1.00		µg/L
Bromomethane (methyl bromide)	<5.00		µg/L
Chloroethane	<1.00		µg/L
Trichlorofluoromethane	<1.00		µg/L
Acetone	<10.0		µg/L
Iodomethane (methyl iodide)	<5.00		µg/L
Carbon Disulfide	<1.00		µg/L
Acrylonitrile	<1.00		µg/L
2-Butanone (MEK)	<5.00		µg/L
4-Methyl-2-pentanone (MIBK)	<5.00		µg/L
2-Hexanone	<5.00		µg/L
trans 1,4-Dichloro-2-butene	<10.0		µg/L
1,1-Dichloroethene	<1.0		µg/L
Methylene chloride	<5.0		µg/L
MTBE	<1.0		µg/L
trans-1,2-Dichloroethene	<1.0		µg/L

1,1-Dichloroethane	<1.0		µg/L
cis-1,2-Dichloroethene	<1.0		µg/L
2,2-Dichloropropane	<1.0		µg/L
1,2-Dichloroethane (EDC)	<1.0		µg/L
Chloroform	<1.0		µg/L
1,1,1-Trichloroethane	<1.0		µg/L
1,1-Dichloropropene	<1.0		µg/L
Benzene	<1.0		µg/L
Carbon Tetrachloride	<1.0		µg/L
1,2-Dichloropropane	<1.0		µg/L
Trichloroethene (TCE)	<1.0		µg/L
Dibromomethane (methylene bromide)	<1.0		µg/L
Bromodichloromethane	<1.0		µg/L
2-Chloroethyl vinyl ether	<5.0		µg/L
cis-1,3-Dichloropropene	<1.0		µg/L
trans-1,3-Dichloropropene	<1.0		µg/L
Toluene	<1.0		µg/L
1,1,2-Trichloroethane	<1.0		µg/L
1,3-Dichloropropane	<1.0		µg/L
Dibromochloromethane	<1.0		µg/L
1,2-Dibromoethane (EDB)	<1.0		µg/L
Tetrachloroethene (PCE)	<1.0		µg/L
Chlorobenzene	<1.0		µg/L
1,1,1,2-Tetrachloroethane	<1.0		µg/L
Ethylbenzene	<1.0		µg/L
m,p-Xylene	<1.0		µg/L
Bromoform	<1.0		µg/L
Styrene	<1.0		µg/L
o-Xylene	<1.0		µg/L
1,1,2,2-Tetrachloroethane	<1.0		µg/L
2-Chlorotoluene	<1.0		µg/L
1,2,3-Trichloropropane	<1.0		µg/L
Isopropylbenzene	<1.0		µg/L
Bromobenzene	<1.0		µg/L
n-Propylbenzene	<1.0		µg/L
1,3,5-Trimethylbenzene	<1.0		µg/L
tert-Butylbenzene	<1.0		µg/L
1,2,4-Trimethylbenzene	<1.0		µg/L
1,4-Dichlorobenzene (para)	<1.0		µg/L
sec-Butylbenzene	<1.0		µg/L
1,3-Dichlorobenzene (meta)	<1.0		µg/L
p-Isopropyltoluene	<1.0		µg/L
4-Chlorotoluene	<1.0		µg/L
1,2-Dichlorobenzene (ortho)	<1.0		µg/L
n-Butylbenzene	<1.0		µg/L
1,2-Dibromo-3-chloropropane	<5.0		µg/L
1,2,3-Trichlorobenzene	<5.0		µg/L
1,2,4-Trichlorobenzene	<5.0		µg/L
Naphthalene	<5.0		µg/L
Hexachlorobutadiene	<5.0		µg/L
Weak Acid Dissociable Cyanide	<0.0150		mg/L

TABLE VIII.D, FORM 2C: POLLUTANTS ANALYZED

POLLUTANTS ANALYZED *(LIST)**

Dissolved Silver	Dibenzofuran
Dissolved Aluminum	Pentachlorobenzene
Total Aluminum	4-Nitrophenol
Hydroxide Alkalinity	2,4-Dinitrotoluene
Carbonate Alkalinity	1-Naphthylamine
Bicarbonate Alkalinity	2,3,4,6-Tetrachlorophenol
Total Alkalinity	2-Naphthylamine
Dissolved Arsenic	Fluorene
Total Arsenic	4-Chlorophenyl-phenylether
Dissolved Boron	Diethylphthalate
Dissolved Calcium	4-Nitroaniline
Dissolved Cadmium	Diphenylhydrazine
Total Cadmium	4,6-Dinitro-2-methylphenol
Chloride	Diphenylamine
Specific Conductance	4-Bromophenyl-phenylether
Dissolved Colbalt	Phenacetin
Dissolved Chromium	Hexachlorobenzene
Dissolved Copper	4-Aminobiphenyl
Dissolved Iron	Pentachlorophenol
Total Iron	Anthracene
Flouride	Pentachloronitrobenzene
Total Mercury	Pronamide
Dissolved Potassium	Phenanthrene
Dissolved Magnesium	Di-n-butylphthalate
Dissolved Manganese	Fluoranthene
Total Manganese	Benzidine
Nitrate-N	Pyrene
Dissolved Sodium	p-Dimethylaminoazobenzene
Dissolved Nickel	Butylbenzylphthalate
Dissolved Lead	Benzo(a)anthracene
Total Lead	3,3-Dichlorobenzidine
Total PCB	Chrysene
Aroclor 1016 (PCB-1016)	bis(2-ethylhexyl)phthalate
Aroclor 1221 (PCB-1221)	Di-n-octylphthalate
Aroclor 1232 (PCB-1232)	Benzo(b)fluoranthene
Aroclor 1242 (PCB-1242)	Benzo(k)fluoranthene
Aroclor 1248 (PCB-1248)	7,12-Dimethylbenz(a)anthracene
Aroclor 1254 (PCB-1254)	Benzo(a)pyrene
Aroclor 1260 (PCB-1260)	3-Methylcholanthrene
Aroclor 1268 (PCB-1268)	Dibenzo(a,j)acridine
alpha-BHC	Indeno(1,2,3-cd)pyrene
gamma-BHC	Dibenzo(a,h)anthracene
beta-BHC	Benzo(g,h,i)perylene
delta-BHC	Dissolved Thallium
Heptachlor	Bromochloromethane

Aldrin
Heptachlor Epoxide
gamma-Chlordane
alpha-Chlordane
Endosulfan I
p,p-DDE
Dieldrin
Endrin
Endosulfan II
p,p-DDD
Endrin aldehyde
p,p-DDT
Endosulfan sulfate
Methoxychlor
Endrin Ketone
Toxaphene
Technical Chlordane
Dissolved Antimony
Total Phosphorous
pH
SAR
Dissolved Selenium
Total Selenium
Sulfate
Total Dissolved Solids
Total Suspended Solids
Dissolved Vanadium
Dissolved Zinc
Pyridine
N-Nitrosodimethylamine
2-Picoline
Methyl methanesulfonate
Ethyl methanesulfonate
Phenol
Aniline
bis(2-chloroethyl)ether
2-Chlorophenol
1,3-Dichlorobenzene (meta)
1,4-Dichlorobenzene (para)
Benzyl alcohol
1,2-Dichlorobenzene (ortho)
2-Methylphenol
bis(2-chloroisopropyl)ether
4-Methylphenol / 3-Methylphenol
N-Nitrosodi-n-propylamine
Hexachloroethane
Acetophenone
Nitrobenzene
N-Nitrosopiperidine

Dichlorodifluoromethane
Chloromethane (methyl chloride)
Vinyl Chloride
Bromomethane (methyl bromide)
Chloroethane
Trichlorofluoromethane
Acetone
Iodomethane (methyl iodide)
Carbon Disulfide
Acrylonitrile
2-Butanone (MEK)
4-Methyl-2-pentanone (MIBK)
2-Hexanone
trans 1,4-Dichloro-2-butene
1,1-Dichloroethene
Methylene chloride
MTBE
trans-1,2-Dichloroethene
1,1-Dichloroethane
cis-1,2-Dichloroethene
2,2-Dichloropropane
1,2-Dichloroethane (EDC)
Chloroform
1,1,1-Trichloroethane
1,1-Dichloropropene
Benzene
Carbon Tetrachloride
1,2-Dichloropropane
Trichloroethene (TCE)
Dibromomethane (methylene bromide)
Bromodichloromethane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Toluene
1,1,2-Trichloroethane
1,3-Dichloropropane
Dibromochloromethane
1,2-Dibromoethane (EDB)
Tetrachloroethene (PCE)
Chlorobenzene
1,1,1,2-Tetrachloroethane
Ethylbenzene
m,p-Xylene
Bromoform
Styrene
o-Xylene
1,1,2,2-Tetrachloroethane
2-Chlorotoluene

Isophorone	1,2,3-Trichloropropane
2-Nitrophenol	Isopropylbenzene
2,4-Dimethylphenol	Bromobenzene
bis(2-chloroethoxy)methane	n-Propylbenzene
2,4-Dichlorophenol	1,3,5-Trimethylbenzene
1,2,4-Trichlorobenzene	tert-Butylbenzene
Benzoic acid	1,2,4-Trimethylbenzene
Naphthalene	1,4-Dichlorobenzene (para)
4-Chloroaniline	sec-Butylbenzene
2,6-Dichlorophenol	1,3-Dichlorobenzene (meta)
Hexachlorobutadiene	p-Isopropyltoluene
N-Nitroso-di-n-butylamine	4-Chlorotoluene
4-Chloro-3-methylphenol	1,2-Dichlorobenzene (ortho)
2-Methylnaphthalene	n-Butylbenzene
1-Methylnaphthalene	1,2-Dibromo-3-chloropropane
1,2,4,5-Tetrachlorobenzene	1,2,3-Trichlorobenzene
Hexachlorocyclopentadiene	1,2,4-Trichlorobenzene
2,4,6-Trichlorophenol	Naphthalene
2,4,5-Trichlorophenol	Hexachlorobutadiene
2-Chloronaphthalene	Weak Acid Dissociable Cyanide
1-Chloronaphthalene	
2-Nitroaniline	
Dimethylphthalate	
Acenaphthylene	
2,6-Dinitrotoluene	
3-Nitroaniline	
Acenaphthene	
2,4-Dinitrophenol	

Please print or type in the unshaded areas only.

EPA ID Number (*copy from Item 1 of Form 1*)
NM0030996

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

FORM
2F
NPDES

U.S. Environmental Protection Agency
Washington, DC 20460

Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. Outfall Number (*list*)	B. Latitude			C. Longitude			D. Receiving Water (*name*)
							See Table I.A in the Form 2F Attachment

II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	number	source of discharge		a. req.	b. proj.
N/A			N/A		

B: You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage of disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharges from the facility.

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of imperious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface *(provide units)*	Total Area Drained *(provide units)*	Outfall Number	Area of Impervious Surface *(provide units)*	Total Area Drained *(provide units)*
	See Table IV.A in the Form 2F Attachment				

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

Overburden is stockpiled following normal surface mining practices. These stockpiles are within drainage control to prevent off site drainage. All runoff is controlled through the use of ditches, berms, and impoundments to control discharges. There have been no discharges to date.

No use of soil conditioners or fertilizers are proposed. Minimal approved herbicide will be used as a spot treatment of noxious or invasion plants such as hoarycress (whitetop), halogeton and salt cedar per the El Segundo Mining permit. Most, if not all, herbicide use has been within drainage control.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
001-018, 020-057	Sediment Ponds are the primary measures used to control solids in runoff water	1-F, 1-U
019	The Sewage Pond will be an evaporation and stablization pond holding treated, disinfected water.	1-F, 3-G

V. Nonstormwater Discharges

A. I certify under penalty of law hat the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or From 2E application for the outfall.

Name and Official Title *(type or print)*	Signature	Date Signed
Mark Rochlitz, Sr. Env. Manager		

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

N/A

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

Not applicable - no significant leaks or spills have occured

EPA ID Number *(copy from Item 1 of Form 1)*
NM0030996

VII. Discharge Information

A, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Table VII-A, VII-B, VII-C are included on separate sheets numbers VII-1 and VII-2.

E. Potential discharges not covered by analysis – is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ Yes *(list all such pollutants below)* ☑ No *(go to Section IX)*

No discharges from outfalls associated with NPDES Permit NM0030996 have occured at El Segundo Mine.

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes *(list all such pollutants below)* ☑ No *(go to Section IX)*

N/A

IX. Contract Analysis Information

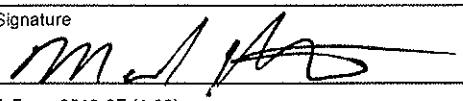
Were any of the analyses reported in Item VII performed by a contract laboratory or consulting firm?

☑ Yes *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* ☐ No *(go to Section X)*

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Trace Analysis, Inc.	6701 Aberdeen Ave., Suite 9 Lubbock, TX 79424-1515	(806)794-1296	See Table IX.D in the Form 2F Attachment

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title *(Type Or Print)*	B. Area Code and Phone No.
Mark Rochlitz, Sr. Engineering Manager	(505) 285-3053
C. Signature	D. Date Signed
	7-25-2013

EPA ID Number (*copy from Item 1 of Form 1*)
NM0030996

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

VII. Discharge information *(Continued from page 3 of Form 2F)*

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
Oil and Grease		N/A				Refer to Table VII(1) & VII(2) in
Biological Oxygen Demand (BOD5)						the Form 2F Attachment
Chemical Oxygen Demand (COD)						
Total Suspended Solids (TSS)						
Total Nitrogen						
Total Phosphorus						
pH	Minimum	Maximum	Minimum	Maximum		

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
						Refer to Table VII(1) & VII(2) in
						the Form 2F Attachment

Continue on Reverse

Continued from the Front

Part C - List each pollutant shown in Table 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		
						Refer to Table VII(1) & VII(2) in
						the Form 2F Attachment

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event *(gallons/minute or specify units)*	6. Total flow from rain event *(gallons or specify units)*

7. Provide a description of the method of flow measurement or estimate.

Refer to Table VII(1) & VII(2) in the Form 2F Attachment

LEE RANCH COAL COMPANY, EL SEGUNDO MINE
NPDES PERMIT NM0030996, PERMIT RENEWAL

FORM 2F
ATTACHMENTS

TABLE I.A, FORM 2F: OUTFALL LOCATION INFORMATION

ID NUMBER[(1)]	OUTFALL NUMBER	LATITUDE	LONGITUDE	RECEIVING WATER
SP2W1	001	35°39'02.01923"	107°51'22.65110"	Kim-me-ni-oli Valley Tributary*
SP1W2	002	35°38'28.45977"	107°50'19.10977"	Kim-me-ni-oli Valley Tributary*
SP2W5	003	35°39'01.37393"	107°51'57.32451"	Kim-me-ni-oli Valley Tributary*
SP2W4	004	35°38'59.06337"	107°51'54.08060"	Kim-me-ni-oli Valley Tributary*
SP3W1	005	35°38'46.44242"	107°52'22.49655"	Kim-me-ni-oli Valley Tributary*
SP2W3	006	35°38'57.60885"	107°52'12.02655"	Kim-me-ni-oli Valley Tributary*
SP1W6	007	35°38'25.87145"	107°50'46.92975"	Kim-me-ni-oli Valley Tributary*
~~SP1W3~~	~~008~~	~~35°38'35.85945"~~	~~107°38'35.85945"~~	~~Kim-me-ni-oli Valley Tributary*~~
SP2W2	009	35°38'29.57514"	107°51'21.92387"	Kim-me-ni-oli Valley Tributary*
SP1W7	010	35°38'33.08565"	107°51'17.77311"	Kim-me-ni-oli Valley Tributary*
SP1W4	011	35°38'50.26755"	107°51'13.36075"	Kim-me-ni-oli Valley Tributary*
SP1W5	012	35°38'50.72868"	107°51'18.55134"	Kim-me-ni-oli Valley Tributary*
MSP35W6	013	35°39'48.68750"	107°52'08.31680"	Kim-me-ni-oli Valley Tributary*
MSP35W2	014	35°39'47.57080"	107°52'26.50500"	Kim-me-ni-oli Valley Tributary*
MSP35W3	015	35°39'57.04340"	107°52'22.27300"	Kim-me-ni-oli Valley Tributary*
MSP34W1	016	35°40'00.32390"	107°53'00.29690"	Kim-me-ni-oli Valley Tributary*
MSP34W2	017	35°40'00.17890"	107°53'09.11700"	Kim-me-ni-oli Valley Tributary*
SEWAGE LAGOON	018	35°38'57.74399"	107°51'30.10777"	Not applicable, lagoon does not discharge
~~MSP35W4~~	~~019~~	~~35°39'23.42820"~~	~~107°51'44.87220"~~	~~Kim-me-ni-oli Valley Tributary*~~
MSP20W1	020	35°41'45.82480"	107°55'03.02510"	Kim-me-ni-oli Valley Tributary*
MSP21W1	021	35°41'44.47820"	107°54'36.72330"	Kim-me-ni-oli Valley Tributary*
~~MSP26W1~~	~~022~~	~~35°40'02.48310"~~	~~107°52'24.14020"~~	~~Kim-me-ni-oli Valley Tributary*~~
MSP27W1	023	35°40'18.57850"	107°52'44.86460"	Kim-me-ni-oli Valley Tributary*
MSP28W1	024	35°40'06.05300"	107°53'45.05580"	Kim-me-ni-oli Valley Tributary*
MSP28W2	025	35°40'03.86650"	107°54'20.22530"	Kim-me-ni-oli Valley Tributary*
MSP28W3	026	35°40'09.57010"	107°54'33.61880"	Kim-me-ni-oli Valley Tributary*
MSP28W4	027	35°40'42.20920"	107°54'24.02900"	Kim-me-ni-oli Valley Tributary*
MSP29W1	028	35°40'35.99950"	107°54'50.05840"	Kim-me-ni-oli Valley Tributary*
MSP29W2	029	35°40'42.22980"	107°54'46.87210"	Kim-me-ni-oli Valley Tributary*
SP2W6	030	35°39'10.58499"	107°51'57.09588"	Kim-me-ni-oli Valley Tributary*
SP3W2	031	35°38'55.10346"	107°52'46.87900"	Kim-me-ni-oli Valley Tributary*
SP3W3	032	35°38'56.94357"	107°52'44.64213"	Kim-me-ni-oli Valley Tributary*
SP35W4	033	35°39'26.54430"	107°52'13.87367"	Kim-me-ni-oli Valley Tributary*
MSP1W1	034	35°39'07.24747"	107°51'11.35081"	Kim-me-ni-oli Valley Tributary*
MSP20W2	035	35°41'29.15439"	107°55'01.87730"	Kim-me-ni-oli Valley Tributary*
MSP21W2	036	35°41'17.59690"	107°54'08.37765"	Kim-me-ni-oli Valley Tributary*
MSP29W3	037	35°40'32.13921"	107°55'01.73089"	Kim-me-ni-oli Valley Tributary*
MSP34W3	038	35°40'03.64965"	107°53'31.87811"	Kim-me-ni-oli Valley Tributary*
MSP35W5	039	35°39'23.68616"	107°51'44.32688"	Kim-me-ni-oli Valley Tributary*
MSP35W7	040	35°39'50.22472"	107°52'13.00073"	Kim-me-ni-oli Valley Tributary*
MSP36W1	041	35°39'10.99588"	107°51'28.33571"	Kim-me-ni-oli Valley Tributary*
MSP5E4	042	35°38'47.34196"	107°48'29.41530"	Inditios Draw**

MSP5E3	043	35°38'50.05730"	107°48'05.85054"	Inditios Draw**
MSP4E1	044	35°38'46.26628"	107°47'48.70650"	Inditios Draw**
MSP4E2	045	35°38'34.99914"	107°47'33.48255"	Inditios Draw**
MSP4E3	046	35°38'33.02111"	107°47'22.36140"	Inditios Draw**
MSP3E2	047	35°38'31.53214"	107°46'57.71286"	Inditios Draw**
MSP3E1	048	35°38'36.52615"	107°46'35.88041"	Inditios Draw**
MSP34E1	049	35°39'15.44785"	107°46'37.72115"	Inditios Draw**
MSP6E1	050	35°38'42.16980"	107°49'15.41620"	Inditios Draw**
MSP5E2	051	35°38'51.60090"	107°48'57.47920"	Inditios Draw**
MSP32E1	052	35°39'19.90000"	107°48'34.14000"	Inditios Draw**
MSP5E1	053	35°38'59.72000"	107°48'48.22000"	Inditios Draw**
MSP31E1	054	35°39'11.21000"	107°49'31.65000"	Inditios Draw**
MSP33E2	055	35°39'29.62000"	107°47'25.12000"	Inditios Draw**

(1) ID Numbers with a strikethrough have been removed due to mining and reclamation activities. Therefore, these outfalls no longer exist. ID numbers shown in blue text are proposed ponds that will be built in the next 5-year permit term.

* The Kim-me-ni-oli valley tributary flows into the Chaco Ricer, which flows to the San Juan River, approximately 100 miles northwest of the El Segundo permit area, which is a tributary of the Colorado River.

**Inditos Draw is a tributary of Vought Draw, which flows into Arroyo Chico which flows into the Rio Puerco approximately 60 miles southeast of the El Segundo permit area, which is a tributary of the Rio Grande.

TABLE IV.A, FORM 2F: POLLUTANT SOURCES

ID NUMBER	OUTFALL NUMBER	AREA OF IMPERVIOUS SURFACE [ACRES]	TOTAL DRAINED ACRES [ACRES]	COMMENTS
SP2W1	001	0.0	84.7	
SP1W2	002	0.0	9.3	
SP2W5	003	0.0	10.0	Colocated with SP2W5
SP2W4	004	0.0	10.0	Colocated with SP2W4
SP3W1	005	0.0	4.3	
SP2W3	006	0.0	68.2	
SP1W6	007	0.0	146.3	
~~SP1W3~~	~~008~~	~~0.0~~	~~334.0~~	
SP2W2	009	0.0	333.6	Colocated with SP1W7
SP1W7	010	0.0	333.6	Colocated with SP2W2
SP1W4	011	0.0	144.5	
SP1W5	012	2.0	25.9	
MSP35W6	013	0.0	605.7	
MSP35W2	014	0.0	124.3	
MSP35W3	015	0.0	182.6	
MSP34W1	016	0.0	81.7	
MSP34W2	017	0.0	44.3	
SEWAGE LAGOON	018	0.0	0.0	
~~MSP35W4~~	~~019~~	~~0.0~~	~~117.0~~	
MSP20W1	020	0.0	133.6	
MSP21W1	021	0.0	226.9	
~~MSP26W1~~	~~022~~	~~0.0~~	~~96.0~~	
MSP27W1	023	0.0	76.2	
MSP28W1	024	0.0	89.8	
MSP28W2	025	0.0	77.8	
MSP28W3	026	0.0	134.5	
MSP28W4	027	0.0	99.6	
MSP29W1	028	0.0	59.5	
MSP29W2	029	0.0	180.4	
SP2W6	030	0.0	90.5	
SP3W2	031	0.0	11.3	
SP3W3	032	0.0	1.4	
SP35W4	033	0.0	117.1	
MSP1W1	034	0.0	243.5	
MSP20W2	035	0.0	301.9	
MSP21W2	036	0.0	197.9	
MSP29W3	037	0.0	32.1	
MSP34W3	038	0.0	64.7	
MSP35W5	039	0.0	124.9	
MSP35W7	040	0.0	77.2	
MSP36W1	041	0.0	54.5	
MSP5E4	042	0.0	142.9	

MSP5E3	043	0.0	31.7
MSP4E1	044	0.0	75.6
MSP4E2	045	0.0	199.3
MSP4E3	046	0.0	102.1
MSP3E2	047	0.0	226.5
MSP3E1	048	0.0	137.9
MSP34E1	049	0.0	185.7
MSP6E1	050	0.0	55.0
MSP5E2	051	0.0	99.1
MSP32E1	052	0.0	302.6
MSP5E1	053	0.0	72.0
MSP31E1	054	0.0	167.8
MSP33E2	055	0.0	1040.6

TABLE VII(1), FORM 2F: ANALYTICAL RESULTS OF SAMPLES COLLECTED AT STREAM MONITORING SITES

	2008	2008	2008	2008	2009	2009	2010	2010	2010	2010	2010	2010	2010
LOCATION	SWM-6 L	SWM-6 U	SWM-5	SWM-4	SWM-4	SWM-6	SWM-1 L	SWM-1 U	SWM-1 L	SWM-4 U	SWM-4 L	SWM-5 U	SWM-5 L
DATE SAMPLED	9/23/2008	9/23/2008	9/23/2008	9/23/2008	6/30/2009	6/30/2009	7/28/2010	7/28/2010	8/11/2010	8/11/2010	8/11/2010	8/11/2010	8/11/2010
Dissolved Aluminum	<0.0500	<0.0500	<0.0500	<0.0500	0.052	0.067							
Total Aluminum							193	240	0.293	0.126	0.122	0.138	0.156
Hydroxide Alkalinity	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Carbonate Alkalinity	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bicarbonate Alkalinity	152	94	154	124	150	125	80	140	80	230	170	540	240
Total Alkalinity	152	94	154	124	150	125	80	140	80	230	170	540	240
Dissolved Arsenic	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	<0.0500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Total Arsenic													
Dissolved Boron	0.037	0.017	0.21	0.035	0.032	0.021	0.083	0.102	0.051	0.033	0.036	0.038	0.055
Dissolved Calcium	34	32.7	36.6	30.9	36.4	47.7	42.4	58.1	28.7	34.8	37.3	59.5	41.4
Dissolved Cadmium	<0.00100	<0.00100	<0.00100	<0.00100	0.002	0.001	<0.0250	<0.0250	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Total Cadmium													
Chloride	<15.0	<15.0	<15.0	<15.0	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5
Specific Conductance													
Dissolved Colbalt	0.003	<0.00200	<0.00200	<0.00200	<0.00200	0.002	<0.0250	<0.0250	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Dissolved Chromium	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.0500	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Dissolved Copper	<0.00500	<0.00500	0.005	<0.00500	<0.00500	<0.00500	0.111	0.109	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Dissolved Iron													
Total Iron							200	249	<0.000200	<0.000400	0.00052	0.00129	0.0009
Flouride													
Total Mercury	0.000936	<0.000400	0.00106	0.00113	0.000596	0.000912	0.00049	0.00059	11.9	4.68	5.98	8.8	9.68
Dissolved Potassium	8.2	7.92	8.56	5.98	5.03	8.98	28.9	30.5	3.83	3.59	4.11	8.13	5.17
Dissolved Magnesium	2.14	2.02	3.63	3.01	3.94	6.09	16	19.5	<0.00250	0.074	<0.00250	2.77	1.84
Dissolved Manganese	2.13	<0.00250	<0.00250	0.179	0.346	0.748							
Total Manganese													
Nitrate-N													
Dissolved Sodium	2.5	2.14	30	24	15	5.13	<5.00	<5.00	10.7	18.1	16.4	12.5	7.5
Dissolved Lead	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.064	0.059	<0.00500	<0.00500	<0.00500	<0.00500	0.016
Total Lead													
Total Phosphorous													
pH	6.89	7.38	7.59	7.63	8.19	7.89	7.3	7.12	7.63	7.76	7.55	7.44	7.41
SAR													
Total Selenium	<0.0200	<0.0200	<0.0200	<0.0200	<0.200	<0.200	<0.100	<0.100	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Sulfate	9.47	11.1	32.3	16.2	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5
Total Dissolved Solids	325	183	330	322	342	212	903	1110	81	990	214	244	231
Total Suspended Solids	29200	6440	21300	31800	31000	19800	3610	10000	1310	7020	6500	25900	19800
Dissolved Vanadium	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.098	0.119	0.04	0.036	0.036	0.049	0.038
Dissolved Zinc	<0.0700	<0.0700	<0.0700	<0.0700	0.016	<0.00700	0.111	0.132	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

2010	2011	2011	2011	2011	2011	2011	2012	2012	2012	2012	2012	2012	2012	2012	
SWM-6	SWM-1 U	SWM-1 L	SWM-2 U	SWM-2 L	SWM-2 U	SWM-2 L	SWM-1 U	SWM-1 L	SWM-7 L	SWM-1 U	SWM-7 L	SWM-1 U	SWM-6 U	SWM-1 L	
8/11/2010	7/19/2011	7/19/2011	7/19/2011	7/19/2011	11/30/2011	11/30/2011	7/20/2012	7/20/2012	8/2/2012	9/13/2013	9/13/2013	10/22/2012	10/22/2012	10/22/2012	Units
							0.281	<0.250							mg/L
0.412	613	490	26.1	32.3	<0.0500	<0.0500			110	331	513	50.8	12.5	416	mg/L
<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	mg/L as CaCo3
<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	mg/L as CaCo3
80	320	330	130	220	130	150	45.0	60.0	379	323	300	120	115	108	mg/L as CaCo3
80	320	330	130	220	130	150	45.0	60.0	379	232	300	120	115	108	mg/L as CaCo3
<0.00500							<0.0500	<0.0500				<0.0200	<0.0200	<0.0200	mg/L
	0.147	0.107	0.011	0.01	<0.0100	<0.0100			<0.0500	0.168	0.0500				mg/L
0.036	0.077	0.067	0.045	0.043	0.066	0.023	<0.0500	0.0970	0.271	0.0820	0.1020	0.0460	0.0280	0.0500	mg/L
20.8	80.7	60.8	47.1	47.6	63.9	56.6	10.6	14.7	24.3	176	26.7	33.9	44.6	26.4	mg/L
<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.0250	<0.0250				<0.0200	<0.0200	<0.0200	mg/L
	<0.00500	<0.00500	<0.00500	<0.00500					<0.0250	<0.0500	<0.0500				mg/L
<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<12.5	<2.50	<2.50	23.4	6.46	19.1	<12.5	<12.5	<12.5	mg/L
	528	412	292	292					698	835	530				uMHOS/cm
<0.00500					<0.00500	<0.00500	<0.0250	<0.0250				<0.0200	<0.0200	<0.0200	mg/L
<0.00100					<0.0100	<0.0100	<0.0500	<0.0500				<0.0200	<0.0200	<0.0200	mg/L
<0.00500					0.147	0.161	<0.0250	<0.0250				<0.0100	<0.0100	<0.0100	mg/L
	1.6	0.23	<0.0100	<0.0100					0.350	0.0270	0.0260				mg/L
<0.000200	693	542	27.2	33					118	590	600	45.4	8.13	388	mg/L
	<2.50	<2.50	<2.50	<2.50					<2.50	<0.500	0.787				mg/L
6.5	0.00194	0.00114	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	0.000830	<0.000800	<0.000400	<0.000200	0.000730	mg/L
2.48	15.1	12.3	10.4	12.2	12	10.1	<5.00	<5.00	8.99	32.7	9.70	9.11	7.75	11.0	mg/L
0.005	13	9.36	5.63	5.16	4.45	3.73	<5.00	<5.00	2.09	23.3	<1.00	4.76	<2.00	3.65	mg/L
	2.76	1.85	0.507	0.277					<0.00500	1.78	0.369				mg/L
	17.2	12.3	1.34	1.44					1.41	6.53	8.74				mg/L
	<2.50	<2.50	<2.50	<2.50					0.260	<0.0400	0.0626				mg/L
22.4	6.8	6.77	2.26	2.09	4.15	2.75	<5.00		154	7.59	120	2.51	<2.00	2.64	mg/L
<0.00500					<0.00500	<0.00500	<0.0250	<0.0250				<0.0200	<0.0200	<0.0200	mg/L
	0.509	0.358	0.014	0.018					<0.0250	<0.0500	<0.0500				mg/L
	19.8	14.5	1.3	1.51					<2.50	11.0	7.24				mg/L
8.95	6.66	6.3	6.94	6.95	7.36	7.36	6.80	6.59	7.62	7.31	7.27	7.42	7.68	7.42	S.U.
	0.185	0.213	0.0828	0.0768					8.0	0.00	10.0				
<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<1.00	mg/L
<12.5	<12.5	<12.5	<12.5	<12.5	41.6	32.2	<2.50	3.01	20.4	288	6.73	<12.5	<12.5	<12.5	mg/L
380	378	355	280	288	243	198	1197.0	1196.0	440.0	701.0	390.0	385.0	219.0	245.0	mg/L
41	122	82	80	314	1550	3420	2150	345	2210	14400	19600	640	13.3	11000	mg/L
0.041					<0.00500	<0.00500	<0.0250	<0.0250				<0.0100	<0.0100	<0.0100	mg/L
<0.00500					<0.00500	<0.00500	<0.0250	<0.0250				<0.0200	<0.0200	0.0990	mg/L

TABLE VII(2), FORM 2F: ANALYTICAL RESULTS OF SAMPLES COLLECTED AT MSP34W1 PONDS

	2012	2012	
LOCATION	MSP 34W1C	MSP 34W1B	
DATE SAMPLED	4/25/2012	6/4/2012	
			Units
Dissolved Silver	<0.00500	<0.00500	mg/L
Dissolved Aluminum	0.0500	<0.0500	mg/L
Total Aluminum			mg/L
Hydroxide Alkalinity		<1.00	mg/L as CaCo3
Carbonate Alkalinity		10.0	mg/L as CaCo3
Bicarbonate Alkalinity		157	mg/L as CaCo3
Total Alkalinity		167	mg/L as CaCo3
Dissolved Arsenic	<0.0100	<0.0100	mg/L
Total Arsenic			mg/L
Dissolved Boron	0.194	0.105	mg/L
Dissolved Calcium			mg/L
Dissolved Cadmium	<0.0100	<0.0100	mg/L
Total Cadmium			mg/L
Chloride			mg/L
Specific Conductance			uMHOS/cm
Dissolved Colbalt	<0.0100	<0.0100	mg/L
Dissolved Chromium	<0.0100	<0.0100	mg/L
Dissolved Copper	0.0110	<0.00500	mg/L
Dissolved Iron		0.0190	mg/L
Total Iron		3.22	mg/L
Flouride			mg/L
Total Mercury	<0.000200	<0.000200	mg/L
Dissolved Potassium			mg/L
Dissolved Magnesium			mg/L
Dissolved Manganese			mg/L
Total Manganese			mg/L
Nitrate-N			mg/L
Dissolved Sodium			mg/L
Dissolved Nickel	<0.0100	<0.0100	mg/L
Dissolved Lead	<0.0100	<0.0100	mg/L
Total Lead			mg/L
Total PCB	<0.000525		mg/L
Aroclor 1016 (PCB-1016)	<0.000525		mg/L
Aroclor 1221 (PCB-1221)	<0.000525		mg/L
Aroclor 1232 (PCB-1232)	<0.000525		mg/L
Aroclor 1242 (PCB-1242)	<0.000525		mg/L
Aroclor 1248 (PCB-1248)	<0.000525		mg/L
Aroclor 1254 (PCB-1254)	<0.000525		mg/L
Aroclor 1260 (PCB-1260)	<0.000525		mg/L
Aroclor 1268 (PCB-1268)	<0.000525		mg/L
alpha-BHC	<0.000520		mg/L
gamma-BHC	<0.000520		mg/L
beta-BHC	<0.000520		mg/L
delta-BHC	<0.000520		mg/L

Heptachlor	<0.000520		mg/L
Aldrin	<0.000520		mg/L
Heptachlor Epoxide	<0.000520		mg/L
gamma-Chlordane	<0.000520		mg/L
alpha-Chlordane	<0.000520		mg/L
Endosulfan I	<0.000520		mg/L
p,p-DDE	<0.000520		mg/L
Dieldrin	<0.000520		mg/L
Endrin	<0.000520		mg/L
Endosulfan II	<0.000520		mg/L
p,p-DDD	<0.000520		mg/L
Endrin aldehyde	<0.000520		mg/L
p,p-DDT	<0.000520		mg/L
Endosulfan sulfate	<0.000520		mg/L
Methoxychlor	<0.000520		mg/L
Endrin Ketone	<0.000520		mg/L
Toxaphene	<0.00520		mg/L
Technical Chlordane	<0.00520		mg/L
Dissolved Antimony	<0.0500		mg/L
Total Phosphorous			mg/L
pH		8.56	S.U.
SAR			
Dissolved Selenium	<0.0200		mg/L
Total Selenium			mg/L
Sulfate			mg/L
Total Dissolved Solids			mg/L
Total Suspended Solids		56.0	mg/L
Dissolved Vanadium	<0.00500		mg/L
Dissolved Zinc	<0.0100		mg/L
Pyridine	<0.00588		mg/L
N-Nitrosodimethylamine	<0.00588		mg/L
2-Picoline	<0.00588		mg/L
Methyl methanesulfonate	<0.00588		mg/L
Ethyl methanesulfonate	<0.00588		mg/L
Phenol	<0.00588		mg/L
Aniline	<0.00588		mg/L
bis(2-chloroethyl)ether	<0.00588		mg/L
2-Chlorophenol	<0.00588		mg/L
1,3-Dichlorobenzene (meta)	<0.00588		mg/L
1,4-Dichlorobenzene (para)	<0.00588		mg/L
Benzyl alcohol	<0.00588		mg/L
1,2-Dichlorobenzene (ortho)	<0.00588		mg/L
2-Methylphenol	<0.00588		mg/L
bis(2-chloroisopropyl)ether	<0.00588		mg/L
4-Methylphenol / 3-Methylphenol	<0.00588		mg/L
N-Nitrosodi-n-propylamine	<0.00588		mg/L
Hexachloroethane	<0.00588		mg/L

Acetophenone	<0.00588		mg/L
Nitrobenzene	<0.00588		mg/L
N-Nitrosopiperidine	<0.00588		mg/L
Isophorone	<0.00588		mg/L
2-Nitrophenol	<0.00588		mg/L
2,4-Dimethylphenol	<0.00588		mg/L
bis(2-chloroethoxy)methane	<0.00588		mg/L
2,4-Dichlorophenol	<0.00588		mg/L
1,2,4-Trichlorobenzene	<0.00588		mg/L
Benzoic acid	<0.00588		mg/L
Naphthalene	<0.00588		mg/L
4-Chloroaniline	<0.00588		mg/L
2,6-Dichlorophenol	<0.0118		mg/L
Hexachlorobutadiene	<0.00588		mg/L
N-Nitroso-di-n-butylamine	<0.00588		mg/L
4-Chloro-3-methylphenol	<0.00588		mg/L
2-Methylnaphthalene	<0.00588		mg/L
1-Methylnaphthalene	<0.00588		mg/L
1,2,4,5-Tetrachlorobenzene	<0.00588		mg/L
Hexachlorocyclopentadiene	<0.00588		mg/L
2,4,6-Trichlorophenol	<0.0118		mg/L
2,4,5-Trichlorophenol	<0.00588		mg/L
2-Chloronaphthalene	<0.00588		mg/L
1-Chloronaphthalene	<0.00588		mg/L
2-Nitroaniline	<0.00588		mg/L
Dimethylphthalate	<0.00588		mg/L
Acenaphthylene	<0.00588		mg/L
2,6-Dinitrotoluene	<0.00588		mg/L
3-Nitroaniline	<0.00588		mg/L
Acenaphthene	<0.00588		mg/L
2,4-Dinitrophenol	<0.00588		mg/L
Dibenzofuran	<0.00588		mg/L
Pentachlorobenzene	<0.00588		mg/L
4-Nitrophenol	<0.0294		mg/L
2,4-Dinitrotoluene	<0.00588		mg/L
1-Naphthylamine	<0.00588		mg/L
2,3,4,6-Tetrachlorophenol	<0.0118		mg/L
2-Naphthylamine	<0.00588		mg/L
Fluorene	<0.00588		mg/L
4-Chlorophenyl-phenylether	<0.00588		mg/L
Diethylphthalate	<0.00588		mg/L
4-Nitroaniline	<0.00588		mg/L
Diphenylhydrazine	<0.00588		mg/L
4,6-Dinitro-2-methylphenol	<0.00588		mg/L
Diphenylamine	<0.00588		mg/L
4-Bromophenyl-phenylether	<0.00588		mg/L
Phenacetin	<0.00588		mg/L

Hexachlorobenzene	<0.00588		mg/L
4-Aminobiphenyl	<0.00588		mg/L
Pentachlorophenol	<0.0118		mg/L
Anthracene	<0.00588		mg/L
Pentachloronitrobenzene	<0.00588		mg/L
Pronamide	<0.00588		mg/L
Phenanthrene	<0.00588		mg/L
Di-n-butylphthalate	<0.00588		mg/L
Fluoranthene	<0.00588		mg/L
Benzidine	<0.0294		mg/L
Pyrene	<0.00588		mg/L
p-Dimethylaminoazobenzene	<0.00588		mg/L
Butylbenzylphthalate	<0.00588		mg/L
Benzo(a)anthracene	<0.00588		mg/L
3,3-Dichlorobenzidine	<0.00588		mg/L
Chrysene	<0.00588		mg/L
bis(2-ethylhexyl)phthalate	<0.00588		mg/L
Di-n-octylphthalate	<0.00588		mg/L
Benzo(b)fluoranthene	<0.00588		mg/L
Benzo(k)fluoranthene	<0.00588		mg/L
7,12-Dimethylbenz(a)anthracene	<0.00588		mg/L
Benzo(a)pyrene	<0.00588		mg/L
3-Methylcholanthrene	<0.00588		mg/L
Dibenzo(a,j)acridine	<0.00588		mg/L
Indeno(1,2,3-cd)pyrene	<0.00588		mg/L
Dibenzo(a,h)anthracene	<0.00588		mg/L
Benzo(g,h,i)perylene	<0.00588		mg/L
Dissolved Thallium	<0.0500		mg/L
Bromochloromethane	<1.00		µg/L
Dichlorodifluoromethane	<1.00		µg/L
Chloromethane (methyl chloride)	<1.00		µg/L
Vinyl Chloride	<1.00		µg/L
Bromomethane (methyl bromide)	<5.00		µg/L
Chloroethane	<1.00		µg/L
Trichlorofluoromethane	<1.00		µg/L
Acetone	<10.0		µg/L
Iodomethane (methyl iodide)	<5.00		µg/L
Carbon Disulfide	<1.00		µg/L
Acrylonitrile	<1.00		µg/L
2-Butanone (MEK)	<5.00		µg/L
4-Methyl-2-pentanone (MIBK)	<5.00		µg/L
2-Hexanone	<5.00		µg/L
trans 1,4-Dichloro-2-butene	<10.0		µg/L
1,1-Dichloroethene	<1.0		µg/L
Methylene chloride	<5.0		µg/L
MTBE	<1.0		µg/L
trans-1,2-Dichloroethene	<1.0		µg/L

1,1-Dichloroethane	<1.0		µg/L
cis-1,2-Dichloroethene	<1.0		µg/L
2,2-Dichloropropane	<1.0		µg/L
1,2-Dichloroethane (EDC)	<1.0		µg/L
Chloroform	<1.0		µg/L
1,1,1-Trichloroethane	<1.0		µg/L
1,1-Dichloropropene	<1.0		µg/L
Benzene	<1.0		µg/L
Carbon Tetrachloride	<1.0		µg/L
1,2-Dichloropropane	<1.0		µg/L
Trichloroethene (TCE)	<1.0		µg/L
Dibromomethane (methylene bromide)	<1.0		µg/L
Bromodichloromethane	<1.0		µg/L
2-Chloroethyl vinyl ether	<5.0		µg/L
cis-1,3-Dichloropropene	<1.0		µg/L
trans-1,3-Dichloropropene	<1.0		µg/L
Toluene	<1.0		µg/L
1,1,2-Trichloroethane	<1.0		µg/L
1,3-Dichloropropane	<1.0		µg/L
Dibromochloromethane	<1.0		µg/L
1,2-Dibromoethane (EDB)	<1.0		µg/L
Tetrachloroethene (PCE)	<1.0		µg/L
Chlorobenzene	<1.0		µg/L
1,1,1,2-Tetrachloroethane	<1.0		µg/L
Ethylbenzene	<1.0		µg/L
m,p-Xylene	<1.0		µg/L
Bromoform	<1.0		µg/L
Styrene	<1.0		µg/L
o-Xylene	<1.0		µg/L
1,1,2,2-Tetrachloroethane	<1.0		µg/L
2-Chlorotoluene	<1.0		µg/L
1,2,3-Trichloropropane	<1.0		µg/L
Isopropylbenzene	<1.0		µg/L
Bromobenzene	<1.0		µg/L
n-Propylbenzene	<1.0		µg/L
1,3,5-Trimethylbenzene	<1.0		µg/L
tert-Butylbenzene	<1.0		µg/L
1,2,4-Trimethylbenzene	<1.0		µg/L
1,4-Dichlorobenzene (para)	<1.0		µg/L
sec-Butylbenzene	<1.0		µg/L
1,3-Dichlorobenzene (meta)	<1.0		µg/L
p-Isopropyltoluene	<1.0		µg/L
4-Chlorotoluene	<1.0		µg/L
1,2-Dichlorobenzene (ortho)	<1.0		µg/L
n-Butylbenzene	<1.0		µg/L
1,2-Dibromo-3-chloropropane	<5.0		µg/L
1,2,3-Trichlorobenzene	<5.0		µg/L
1,2,4-Trichlorobenzene	<5.0		µg/L
Naphthalene	<5.0		µg/L
Hexachlorobutadiene	<5.0		µg/L
Weak Acid Dissociable Cyanide	<0.0150		mg/L

TABLE IX.D, FORM 2F: POLLUTANTS ANALYZED

POLLUTANTS ANALYZED *(LIST)**

Dissolved Silver	Dibenzofuran
Dissolved Aluminum	Pentachlorobenzene
Total Aluminum	4-Nitrophenol
Hydroxide Alkalinity	2,4-Dinitrotoluene
Carbonate Alkalinity	1-Naphthylamine
Bicarbonate Alkalinity	2,3,4,6-Tetrachlorophenol
Total Alkalinity	2-Naphthylamine
Dissolved Arsenic	Fluorene
Total Arsenic	4-Chlorophenyl-phenylether
Dissolved Boron	Diethylphthalate
Dissolved Calcium	4-Nitroaniline
Dissolved Cadmium	Diphenylhydrazine
Total Cadmium	4,6-Dinitro-2-methylphenol
Chloride	Diphenylamine
Specific Conductance	4-Bromophenyl-phenylether
Dissolved Colbalt	Phenacetin
Dissolved Chromium	Hexachlorobenzene
Dissolved Copper	4-Aminobiphenyl
Dissolved Iron	Pentachlorophenol
Total Iron	Anthracene
Flouride	Pentachloronitrobenzene
Total Mercury	Pronamide
Dissolved Potassium	Phenanthrene
Dissolved Magnesium	Di-n-butylphthalate
Dissolved Manganese	Fluoranthene
Total Manganese	Benzidine
Nitrate-N	Pyrene
Dissolved Sodium	p-Dimethylaminoazobenzene
Dissolved Nickel	Butylbenzylphthalate
Dissolved Lead	Benzo(a)anthracene
Total Lead	3,3-Dichlorobenzidine
Total PCB	Chrysene
Aroclor 1016 (PCB-1016)	bis(2-ethylhexyl)phthalate
Aroclor 1221 (PCB-1221)	Di-n-octylphthalate
Aroclor 1232 (PCB-1232)	Benzo(b)fluoranthene
Aroclor 1242 (PCB-1242)	Benzo(k)fluoranthene
Aroclor 1248 (PCB-1248)	7,12-Dimethylbenz(a)anthracene
Aroclor 1254 (PCB-1254)	Benzo(a)pyrene
Aroclor 1260 (PCB-1260)	3-Methylcholanthrene
Aroclor 1268 (PCB-1268)	Dibenzo(a,j)acridine
alpha-BHC	Indeno(1,2,3-cd)pyrene
gamma-BHC	Dibenzo(a,h)anthracene
beta-BHC	Benzo(g,h,i)perylene
delta-BHC	Dissolved Thallium

Acetophenone	o-Xylene
Nitrobenzene	1,1,2,2-Tetrachloroethane
N-Nitrosopiperidine	2-Chlorotoluene
Isophorone	1,2,3-Trichloropropane
2-Nitrophenol	Isopropylbenzene
2,4-Dimethylphenol	Bromobenzene
bis(2-chloroethoxy)methane	n-Propylbenzene
2,4-Dichlorophenol	1,3,5-Trimethylbenzene
1,2,4-Trichlorobenzene	tert-Butylbenzene
Benzoic acid	1,2,4-Trimethylbenzene
Naphthalene	1,4-Dichlorobenzene (para)
4-Chloroaniline	sec-Butylbenzene
2,6-Dichlorophenol	1,3-Dichlorobenzene (meta)
Hexachlorobutadiene	p-Isopropyltoluene
N-Nitroso-di-n-butylamine	4-Chlorotoluene
4-Chloro-3-methylphenol	1,2-Dichlorobenzene (ortho)
2-Methylnaphthalene	n-Butylbenzene
1-Methylnaphthalene	1,2-Dibromo-3-chloropropane
1,2,4,5-Tetrachlorobenzene	1,2,3-Trichlorobenzene
Hexachlorocyclopentadiene	1,2,4-Trichlorobenzene
2,4,6-Trichlorophenol	Naphthalene
2,4,5-Trichlorophenol	Hexachlorobutadiene
2-Chloronaphthalene	Weak Acid Dissociable Cyanide
1-Chloronaphthalene	
2-Nitroaniline	
Dimethylphthalate	
Acenaphthylene	
2,6-Dinitrotoluene	
3-Nitroaniline	
Acenaphthene	
2,4-Dinitrophenol	

Heptachlor
Aldrin
Heptachlor Epoxide
gamma-Chlordane
alpha-Chlordane
Endosulfan I
p,p-DDE
Dieldrin
Endrin
Endosulfan II
p,p-DDD
Endrin aldehyde
p,p-DDT
Endosulfan sulfate
Methoxychlor
Endrin Ketone
Toxaphene
Technical Chlordane
Dissolved Antimony
Total Phosphorous
pH
SAR
Dissolved Selenium
Total Selenium
Sulfate
Total Dissolved Solids
Total Suspended Solids
Dissolved Vanadium
Dissolved Zinc
Pyridine
N-Nitrosodimethylamine
2-Picoline
Methyl methanesulfonate
Ethyl methanesulfonate
Phenol
Aniline
bis(2-chloroethyl)ether
2-Chlorophenol
1,3-Dichlorobenzene (meta)
1,4-Dichlorobenzene (para)
Benzyl alcohol
1,2-Dichlorobenzene (ortho)
2-Methylphenol
bis(2-chloroisopropyl)ether
4-Methylphenol / 3-Methylphenol
N-Nitrosodi-n-propylamine
Hexachloroethane

Bromochloromethane
Dichlorodifluoromethane
Chloromethane (methyl chloride)
Vinyl Chloride
Bromomethane (methyl bromide)
Chloroethane
Trichlorofluoromethane
Acetone
Iodomethane (methyl iodide)
Carbon Disulfide
Acrylonitrile
2-Butanone (MEK)
4-Methyl-2-pentanone (MIBK)
2-Hexanone
trans 1,4-Dichloro-2-butene
1,1-Dichloroethene
Methylene chloride
MTBE
trans-1,2-Dichloroethene
1,1-Dichloroethane
cis-1,2-Dichloroethene
2,2-Dichloropropane
1,2-Dichloroethane (EDC)
Chloroform
1,1,1-Trichloroethane
1,1-Dichloropropene
Benzene
Carbon Tetrachloride
1,2-Dichloropropane
Trichloroethene (TCE)
Dibromomethane (methylene bromide)
Bromodichloromethane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Toluene
1,1,2-Trichloroethane
1,3-Dichloropropane
Dibromochloromethane
1,2-Dibromoethane (EDB)
Tetrachloroethene (PCE)
Chlorobenzene
1,1,1,2-Tetrachloroethane
Ethylbenzene
m,p-Xylene
Bromoform
Styrene