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Lockheed Martin Corporation
Corporate Environment, Safety & Health
7921 Southpark Plaza, Suite 210 Littleton, CO 80120

LOCKHEED MARTIN

January 30, 2001

Mr. Gerard J. Thibeault
Executive Officer
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339

Dear Mr. Thibeault:

I am writing to report analytical results for water discharges for the month of December 2000 as required under NPDES permit CAG998001 and subsequent modifications to this permit.

Permitted discharges occurred during December 2000, and were associated with perchlorate pilot treatment system operation at the "Gage New 6" well. The system discharged 31,680 gallons of groundwater from December 1 through December 31, 2000.

Attachment 1 summarizes daily discharges and analytical results. The water was discharged to a dry portion of the Santa Ana Wash east of Tippecanoe Avenue. The discharged water completely percolated into soil, never reaching any flowing portion of the Santa Ana River.

Attachment 2 summarizes the related laboratory analytical data. Please contact me at 303.971.1880 if you have any questions.

Sincerely,

Stephen Evanoff
Manager, Redlands Project

SE:eh

Attachments (2)

c: See distribution

Distribution

Kevin Mayer (SFD-73)
U.S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, CA 94105

Susan Beeson
California Regional Quality Control Board
Santa Ana Region

Kamron Saremi
California Regional Quality Control Board
Santa Ana Region

James H. O'Brien (w/o attachments)
Vice President
Lockheed Martin Corporation
7921 Southpark Plaza, Suite 210
Littleton, CO 80120

ATTACHMENT 1

Table 1

NPDES Summary--December 2000

Constituent	12/01/00	12/04/00	12/05/00	12/06/00	12/07/00	12/08/00	12/11/00	12/12/00	12/13/00	12/14/00	12/15/00	12/18/00	12/19/00	12/20/00	12/21/00	12/22/00	12/26/00	12/27/00	12/28/00	12/29/00
Flow (gallons/day)	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440
Oil and Grease (mg/l)	nt	nt	nt	ND	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	nt	nt	nt	ND	nt	nt
Sulfides (mg/l)	nt	nt	nt	ND	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	nt	nt	nt	ND	nt	nt
TPH (mg/l)	nt	nt	nt	ND	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	nt	nt	nt	ND	nt	nt
TCE (ug/l)[3]	nt	nt	nt	ND	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	nt	nt	nt	ND	nt	nt
pH (Effluent)	8.0	8.2	nt	8.2	8.1	8.2	8.2	8.3	8.3	8.2	8.3	8.4	8.3	8.3	8.3	8.4	8.3	8.3	8.3	8.3
Perchlorate (ug/l)	nt	nt	nt	ND	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	nt	nt	nt	ND	nt	nt
Nitrate as NO_3 (mg/l)	nt	nt	nt	23	nt	nt	nt	nt	30	nt	nt	nt	nt	27	nt	nt	nt	28	nt	nt
DBCP (ug/l)	nt	nt	nt	ND	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	nt	nt	nt	ND	nt	nt
TSS (mg/l)	nt	nt	nt	ND	nt	nt	nt	nt	ND	nt	nt	nt	nt	ND	nt	nt	nt	ND	nt	nt

Notes:

1. Weekly analysis of the discharge was granted by the RWQCB and was implemented beginning 9/12/00.
2. ND = not detected
3. All analytical method volatile organic constituents ND.
4. nt = not tested

ATTACHMENT 2

Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: *Wednesday, December 27, 2000*
Received Date: *Wednesday, December 06, 2000*
Log By: tn
Log Time: 13:10

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086 /

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008566-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: TP **Date:** 12/6/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Nitrate as NO3	23		mg/L	1	0.20	EPA 300.0	12/6/00	kk	WS20191
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	12/12/00	sl	WS20419
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	12/8/00	tl	WS20449
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	12/16/00	wm	WS20642
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	12/7/00	td	WS20217
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	12/8/00	aw	WS20210
Prep. Direct Inj.									
Perchlorate	ND		ug/L	1	4.0	EPA 314	12/21/00	dc	WS20665
Prep. P&T									
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/17/00	rt	WS20522
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/17/00	rt	WS20522
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/17/00	rt	WS20522
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/17/00	rt	WS20522
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/17/00	rt	WS20522
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522
Chloroform	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/17/00	rt	WS20522

14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, December 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A008566-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: TP **Date:** 12/6/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
4-Methyl-2-pentanone (MIBK)	ND		ug/L	1	5.0	EPA 524.2	12/17/00 rt	WS20522
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/17/00 rt	WS20522
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/17/00 rt	WS20522
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/17/00 rt	WS20522
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/17/00 rt	WS20522

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Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Wednesday, December 27, 2000*

CERTIFICATE OF ANALYSIS

Lab#: A008566-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: TP **Date:** 12/6/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/17/00 rt	WS20522
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/17/00 rt	WS20522
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/17/00 rt	WS20522

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Weck Laboratories, Inc.

Environmental and Analytical Services - Since 1964

Report Date: *Friday, January 05, 2001*
Received Date: *Wednesday, December 13, 2000*
Log By: mr
Log Time: 13:19

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008757-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: T.P. **Date:** 12/13/00 **Time:** 9:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Prep. P&T								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/21/00 rt	WS20573
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/21/00 rt	WS20573
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/21/00 rt	WS20573
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/21/00 rt	WS20573
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/21/00 rt	WS20573
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
Chloroform	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
4-Methyl-2-pentanone (MiBK)	ND		ug/L	1	5.0	EPA 524.2	12/21/00 rt	WS20573
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/21/00 rt	WS20573
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/21/00 rt	WS20573

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www.wecklabs.com

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, January 05, 2001*

CERTIFICATE OF ANALYSIS

Lab#: A008757-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: T.P. **Date:** 12/13/00 **Time:** 9:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/21/00	rt	WS20573
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/21/00	rt	WS20573
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
Naphthalene	ND		ug/L	1	1.0	EPA 524.2	12/21/00	rt	WS20573
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/21/00	rt	WS20573
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/21/00	rt	WS20573
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/21/00	rt	WS20573
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/21/00	rt	WS20573
Prep. *Direct Inj.*									
Nitrate as NO3	30		mg/L	1	0.20	EPA 300.0	12/13/00	kk	WS20367
Prep. *SPE*									
Oil & Grease	ND		mg/L	1	5	EPA 1664	12/19/00	sl	WS20574
Prep. *EPA 3510C*									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	12/26/00	tl	WS20761
Prep. *P&T*									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	12/16/00	wm	WS20642

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, January 05, 2001*

CERTIFICATE OF ANALYSIS

Lab#: A008757-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: T.P. **Date:** 12/13/00 **Time:** 9:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	12/14/00 td	WS20433
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	12/14/00 td	WS20400
Prep. *Direct Inj.*								
Perchlorate	ND		ug/L	1	4.0	EPA 314	1/2/01 dc	WS20911

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Environmental and Analytical Services - Since 1964

Report Date: *Friday, January 12, 2001*
Received Date: *Wednesday, December 20, 2000*
Log By: mr
Log Time: 13:13

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443
Attn.: Barry Molnaa

Phone: (562) 951-2129
FAX: (562) 951-2086

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A008947-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: T.P. **Date:** 12/20/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Prep. P&T								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	12/22/00 rt	WS20619
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	12/22/00 rt	WS20619
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	12/22/00 rt	WS20619
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	12/22/00 rt	WS20619
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	12/22/00 rt	WS20619
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
Chloroform	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
Benzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
4-Methyl-2-pentanone (MiBK)	ND		ug/L	1	5.0	EPA 524.2	12/22/00 rt	WS20619
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	12/22/00 rt	WS20619
Toluene	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/22/00 rt	WS20619

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, January 12, 2001*

CERTIFICATE OF ANALYSIS

Lab#: A008947-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: T.P. **Date:** 12/20/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
Styrene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
Bromoform	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	12/22/00	rt	WS20619
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	12/22/00	rt	WS20619
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	12/22/00	rt	WS20619
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/22/00	rt	WS20619
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	12/22/00	rt	WS20619
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	12/22/00	rt	WS20619
Nitrate as NO3	27		mg/L	1	0.20	EPA 300.0	12/20/00	kk	WS20551
Prep. *SPE*									
Oil & Grease	ND		mg/L	1	5	EPA 1664	12/21/00	sl	WS20627
Prep. *EPA 3510C*									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	12/26/00	tl	WS20761
Prep. *P&T*									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	12/26/00	wm	WS20825
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	12/20/00	td	WS20547

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Friday, January 12, 2001*

CERTIFICATE OF ANALYSIS

Lab#: A008947-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: T.P. **Date:** 12/20/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	12/22/00	aw	WS20628
Prep. *Direct Inj.*									
Perchlorate	ND		ug/L	1	4.0	EPA 314	1/10/01	dc	WS21069

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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Report Date: *Monday, January 15, 2001*
Received Date: *Wednesday, December 27, 2000*
Log By: mr
Log Time: 12:38

Client: Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, CA 90802-4443

Phone: (562) 951-2129
FAX: (562) 951-2086

Attn.: Barry Molnaa

Project: LMC POP

P.O. #: 2000S-0086-LB9
Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A009070-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: T.P. **Date:** 12/27/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Prep. P&T								
Dichlorodifluoromethane	ND		ug/L	1	1.0	EPA 524.2	1/3/01 rt	WS20858
Chloromethane	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
Vinyl chloride	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
Bromomethane	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
Chloroethane	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
Trichlorofluoromethane (Freon 11)	ND		ug/L	1	5.0	EPA 524.2	1/3/01 rt	WS20858
Trichlorotrifluoroethane (Freon 113)	ND		ug/L	1	10	EPA 524.2	1/3/01 rt	WS20858
1,1-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
Methylene chloride (Dichloromethane)	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
trans-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
Methyl tert-Butyl Ether	ND		ug/L	1	1.0	EPA 524.2	1/3/01 rt	WS20858
1,1-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
2-Butanone (Methyl ethyl ketone)	ND		ug/L	1	5.0	EPA 524.2	1/3/01 rt	WS20858
2,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
cis-1,2-Dichloroethene	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
Bromochloromethane	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
Chloroform	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
1,1,1-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
Carbon tetrachloride	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
1,1-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
Benzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
1,2-Dichloroethane	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
Trichloroethene (TCE)	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
1,2-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
Dibromomethane	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
Bromodichloromethane	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
cis-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
4-Methyl-2-pentanone (MiBK)	ND		ug/L	1	5.0	EPA 524.2	1/3/01 rt	WS20858
2-Chloroethylvinyl ether	ND		ug/L	1	1.0	EPA 524.2	1/3/01 rt	WS20858
Toluene	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858
trans-1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	1/3/01 rt	WS20858

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Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, January 15, 2001*

CERTIFICATE OF ANALYSIS

Lab#: A009070-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: T.P. **Date:** 12/27/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
1,1,2-Trichloroethane	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
Tetrachloroethene (PCE)	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
1,3-Dichloropropane	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
Dibromochloromethane	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
1,2-Dibromoethane (EDB)	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
Chlorobenzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
Ethyl benzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
m/p-Xylenes	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
o-Xylene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
Styrene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
Bromoform	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
Isopropylbenzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
Bromobenzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
1,1,2,2-Tetrachloroethane	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
1,2,3-Trichloropropane	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
n-Propyl benzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
2-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
4-Chlorotoluene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
1,3,5-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
tert-Butyl benzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
1,2,4-Trimethylbenzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
bis(2-Chloroethyl) Ether	ND		ug/L	1	5.0	EPA 524.2	1/3/01	rt	WS20858
sec-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
1,3-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
4-isopropyltoluene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
1,4-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
1,2-Dichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
n-Butylbenzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
1,2-Dibromo-3-chloropropane (DBCP)	ND		ug/L	1	1.0	EPA 524.2	1/3/01	rt	WS20858
1,2,4-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
Hexachlorobutadiene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
Naphthalene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
1,2,3-Trichlorobenzene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
Total 1,3-Dichloropropene	ND		ug/L	1	0.50	EPA 524.2	1/3/01	rt	WS20858
Tert-amyl Methyl Ether	ND		ug/L	1	3.0	EPA 524.2	1/3/01	rt	WS20858
Ethyl tert-Butyl Ether	ND		ug/L	1	3.0	EPA 524.2	1/3/01	rt	WS20858
1,1,1,2-Tetrachloroethane	ND		ug/L	1	0.5	EPA 524.2	1/3/01	rt	WS20858
Nitrate as NO3	28		mg/L	1	0.20	EPA 300.0	12/27/00	kk	WS20755
Prep. SPE									
Oil & Grease	ND		mg/L	1	5	EPA 1664	1/3/01	sl	WS20861
Prep. EPA 3510C									
Diesel range hydrocarbons (C10-C23)	ND		mg/L	1	0.10	EPA 8015B	1/3/01	tl	WS21016
Prep. P&T									
Gasoline range hydrocarbons (C6-C10)	ND		mg/L	1	0.10	EPA 8015B	1/8/01	wm	WS21039
Sulfide, dissolved	ND		mg/L	1	0.10	SM 4500S2 D	1/3/01	td	WS20875

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Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Client: Earth Tech, Inc.
Project Name: LMC POP

Report Date: *Monday, January 15, 2001*

CERTIFICATE OF ANALYSIS

Lab#: A009070-001 **Sample ID:** Discharge **Matrix:** Ground Water
Sampled By: T.P. **Date:** 12/27/00 **Time:** 8:30

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed		Worksheet #
Total Suspended Solids	ND		mg/L	1	5	EPA 160.2	12/28/00	aw	WS20771
Prep. *Direct Inj.*									
Perchlorate	ND		ug/L	1	4.0	EPA 314	1/11/01	dc	WS21123

Authorized Signature

ELAP # 1132
LACSD # 10143
AZ0526

Flags for Data Qualifiers:

B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
J = Estimated value, detected but below the reporting limit.
H = Estimated value, result over the calibration range
R = Result is suspect, LCS recovery greater than the upper control limit.
L = Result is suspect, LCS recovery lower than the control limit.
Q = QC result out of acceptance limits.
T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit.
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.

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DAILY MONITORING LOG
General Parameters

Date 12/1/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.0	1230	
Conductivity	Discharge	592	!	
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	50		psi
Bag Filter Effluent	PI-05	55		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5573		KW-Hours
Electrical Usage Meter B	Electric Meter	1258	✓	KW-Hours

60 60 60 60

DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb #5 **Date** 12/1/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1235	gpm
Totalizer Value from Touch-screen	Touch Screen	65207		gallons
Influent Pressure to Column 6A	PI-3C-2	7		psi
Effluent Pressure from Column 6A	PI-3C-1	3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	4		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	65		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	9.2		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	73		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	11.4		mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, adsorb #5 **Date** 12/1/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1230	gpm
Totalizer Value from Touch-screen	Touch Screen	65207		gallons
Influent Pressure to Column 6B	PI-3C-2	3		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	73		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	10.4		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	72		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	9.1		mg/l

DAILY MONITORING LOG

General Parameters

Date 12/4/2000

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.2	1445	
Conductivity	Discharge	530		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	58		psi
Bag Filter Effluent	PI-05	56		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5593		KW-Hours
Electrical Usage Meter B	Electric Meter	1267		KW-Hours

60 60 58 58

DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb #5 **Date** 12/4/2000

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1500	gpm
Totalizer Value from Touch-screen	Touch Screen	69724		gallons
Influent Pressure to Column 6A	PI-3C-2	9		psi
Effluent Pressure from Column 6A	PI-3C-1	3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	6		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	71		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	10.6		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	61		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	8.8		mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, adsorb #5 **Date** 12/4/2000

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1500	gpm
Totalizer Value from Touch-screen	Touch Screen	69724		gallons
Influent Pressure to Column 6B	PI-3C-2	3		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	61		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	8.8		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	55		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	7.9		mg/l

DAILY MONITORING LOG

General Parameters

Date 12/5/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge			
Conductivity	Discharge			
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	57		psi
Bag Filter Effluent	PI-05	55		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5600		KW-Hours
Electrical Usage Meter B	Electric Meter	1269		KW-Hours

60 59 60 59

DAILY MONITORING LOG

Column 6A

Test Sequence #2, ads #5 **Date** 12/5/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	122.0	gpm
Totalizer Value from Touch-screen	Touch Screen	109274		gallons
Influent Pressure to Column 6A	PI-3C-2	9		psi
Effluent Pressure from Column 6A	PI-3C-1	3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	6		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	70		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	0.2		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	64		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	13.3		mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, adsorb #5.

Date 12/5

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1220	gpm
Totalizer Value from Touch-screen	Touch Screen	70924		gallons
Influent Pressure to Column 6B	PI-3C-2	3		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	64		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	13.3		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	67		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	10.4		mg/l

DAILY MONITORING LOG

General Parameters

Date 12/6/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.2	1140	
Conductivity	Discharge	595		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	52		psi
Bag Filter Effluent	PI-05	50		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5606		KW-Hours
Electrical Usage Meter B	Electric Meter	1272		KW-Hours

41 38 38 38

DAILY MONITORING LOG

Column 6A

Test Sequence 2, absorb #5 **Date** 12/6/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1005	gpm
Totalizer Value from Touch-screen	Touch Screen	72193		gallons
Influent Pressure to Column 6A	PI-3C-2	7		psi
Effluent Pressure from Column 6A	PI-3C-1	3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	4		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	72		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	9.2		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	65		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	13.2		mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2 adsorb #5 **Date** 12/6/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1005	gpm
Totalizer Value from Touch-screen	Touch Screen	72193	1	gallons
Influent Pressure to Column 6B	PI-3C-2	~3		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	65		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	13.2		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	70		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	10.4		mg/l

DAILY MONITORING LOG

General Parameters

Date 12/7/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.1	1500	
Conductivity	Discharge	604		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	57		psi
Bag Filter Effluent	PI-05	56		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5612		KW-Hours
Electrical Usage Meter B	Electric Meter	1275		KW-Hours

60 + 60 60 + 59

DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb #6 **Date** 12/7/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1310	gpm
Totalizer Value from Touch-screen	Touch Screen	75254		gallons
Influent Pressure to Column 6A	PI-3C-2	11		psi
Effluent Pressure from Column 6A	PI-3C-1	4		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	7		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	70		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	9.5		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	11		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	2.6	✓	mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, Adsorb #6 **Date** 12/7/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1310	gpm
Totalizer Value from Touch-screen	Touch Screen	75254		gallons
Influent Pressure to Column 6B	PI-3C-2	4		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	3		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	11		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	2.6		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	1		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	2.0		mg/l

DAILY MONITORING LOG

General Parameters

Date 12/5/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.2	1330	
Conductivity	Discharge	594		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	56		psi
Bag Filter Effluent	PI-05	55		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5618		KW-Hours
Electrical Usage Meter B	Electric Meter	1278		KW-Hours

60 60 59 59

DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb #6 **Date** 12/8/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1218	gpm
Totalizer Value from Touch-screen	Touch Screen	76481		gallons
Influent Pressure to Column 6A	PI-3C-2	9		psi
Effluent Pressure from Column 6A	PI-3C-1	3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	6		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	72		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	9.2		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	74		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	9.1		mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, adsorb #6 **Date** 12/8/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1918	gpm
Totalizer Value from Touch-screen	Touch Screen	7648 1		gallons
Influent Pressure to Column 6B	PI-3C-2	~3		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	74		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	9.1		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	66		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	10.4		mg/l

DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb #6 **Date** 12/11/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1425	gpm
Totalizer Value from Touch-screen	Touch Screen	80652		gallons
Influent Pressure to Column 6A	PI-3C-2	7		psi
Effluent Pressure from Column 6A	PI-3C-1	~3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	~4		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	12		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	9.4		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	78		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	8.0		mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, adsorb #6 **Date** 12/21/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1425	gpm
Totalizer Value from Touch-screen	Touch Screen	80682		gallons
Influent Pressure to Column 6B	PI-3C-2	~3		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	78		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	8.0		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	51		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	3.8		mg/l

DAILY MONITORING LOG

General Parameters

Date 12/11/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.2	1443	
Conductivity	Discharge	624	"	
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	56		psi
Bag Filter Effluent	PI-05	55		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5636		KW-Hours
Electrical Usage Meter B	Electric Meter	1286		KW-Hours

60 58 60 58

DAILY MONITORING LOG

General Parameters

Date 12/12/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.3	1600	
Conductivity	Discharge	600		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	57		psi
Bag Filter Effluent	PI-05	56		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5643		KW-Hours
Electrical Usage Meter B	Electric Meter	1290		KW-Hours

60+ 60 60 60

DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb #6 **Date** 12/12/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1610	gpm
Totalizer Value from Touch-screen	Touch Screen	82226		gallons
Influent Pressure to Column 6A	PI-3C-2	9		psi
Effluent Pressure from Column 6A	PI-3C-1	3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	6		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	73		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	9.2		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	80		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	7.2	✓	mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, adsorb #6 **Date** 12/12/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1610	gpm
Totalizer Value from Touch-screen	Touch Screen	87726		gallons
Influent Pressure to Column 6B	PI-3C-2	3		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	80		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	7.2		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	63		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	9.2		mg/l

DAILY MONITORING LOG

General Parameters

Date 12/13/03

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.5	1425	
Conductivity	Discharge	484		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	56		psi
Bag Filter Effluent	PI-05	55		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5650		KW-Hours
Electrical Usage Meter B	Electric Meter	1294		KW-Hours

60 60 60 59

DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb #6 **Date** 12/13/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1135	gpm
Totalizer Value from Touch-screen	Touch Screen	83270		gallons
Influent Pressure to Column 6A	PI-3C-2	8		psi
Effluent Pressure from Column 6A	PI-3C-1	3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	6		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	80		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	6.7		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	80		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	8.0		mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, adsorb #6 **Date** 12/13/03

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1135	gpm
Totalizer Value from Touch-screen	Touch Screen	83270		gallons
Influent Pressure to Column 6B	PI-3C-2	3		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	80		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	8.0		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	80		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	10.6		mg/l

DAILY MONITORING LOG

General Parameters

Date 12/14

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.2	1627	
Conductivity	Discharge	460		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	58		psi
Bag Filter Effluent	PI-05	57		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5657		KW-Hours
Electrical Usage Meter B	Electric Meter	1278		KW-Hours

60 + 60 60 60

DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb #6 **Date** 12/14/05

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1505	gpm
Totalizer Value from Touch-screen	Touch Screen	84583		gallons
Influent Pressure to Column 6A	PI-3C-2	9		psi
Effluent Pressure from Column 6A	PI-3C-1	3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	6		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	55		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	9.2		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	67		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	8.7		mg/l

DAILY MONITORING LOG

General Parameters

Date 12/15/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.3	1407	
Conductivity	Discharge	600		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	57		psi
Bag Filter Effluent	PI-05	56		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5663		KW-Hours
Electrical Usage Meter B	Electric Meter	1302		KW-Hours

60 + 60 60 60

DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb #6 **Date** 12/15

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1343	gpm
Totalizer Value from Touch-screen	Touch Screen	85654		gallons
Influent Pressure to Column 6A	PI-3C-2	9		psi
Effluent Pressure from Column 6A	PI-3C-1	3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	6		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	55		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	9.3		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	80		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	8.9		mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, adsorb # 6 **Date** 12/15

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1343	gpm
Totalizer Value from Touch-screen	Touch Screen	85654		gallons
Influent Pressure to Column 6B	PI-3C-2	3		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	87		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	8.9		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	87		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	9.8		mg/l

DAILY MONITORING LOG
General Parameters

Date 12/16/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.4	1330	
Conductivity	Discharge	602		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	57		psi
Bag Filter Effluent	PI-05	56		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5683		KW-Hours
Electrical Usage Meter B	Electric Meter	1307		KW-Hours

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DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb #6 **Date** 12/18/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1530	gpm
Totalizer Value from Touch-screen	Touch Screen	89536		gallons
Influent Pressure to Column 6A	PI-3C-2	13		psi
Effluent Pressure from Column 6A	PI-3C-1	~3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	10		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	54		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	9.2		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	45		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	9.7		mg/l

DAILY MONITORING LOG

General Parameters

Date 12/19

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	4.3	1530	
Conductivity	Discharge	505		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	56		psi
Bag Filter Effluent	PI-05	54		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5636		KW-Hours
Electrical Usage Meter B	Electric Meter	1312		KW-Hours

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DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb #7 **Date** 12/9/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1537	gpm
Totalizer Value from Touch-screen	Touch Screen	90810		gallons
Influent Pressure to Column 6A	PI-3C-2	11		psi
Effluent Pressure from Column 6A	PI-3C-1	4		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	7		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	57		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	8.6		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	49		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	9.5		mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, records #7 **Date** 4/19/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1537	gpm
Totalizer Value from Touch-screen	Touch Screen	90810		gallons
Influent Pressure to Column 6B	PI-3C-2	4		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~3		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	49		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	9.5		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	64		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	0.8		mg/l

DAILY MONITORING LOG

General Parameters

Date 12/29/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.3	1545	
Conductivity	Discharge	587	↓	
GAC Influent	PI-01	-3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	57		psi
Bag Filter Effluent	PI-05	56		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5693		KW-Hours
Electrical Usage Meter B	Electric Meter	1316		KW-Hours

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DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb #7 **Date** 12/20/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1450	gpm
Totalizer Value from Touch-screen	Touch Screen	92187		gallons
Influent Pressure to Column 6A	PI-3C-2	11		psi
Effluent Pressure from Column 6A	PI-3C-1	4		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	7		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	56		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	9.0		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	71		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	11.1		mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, adsorb #7 **Date** 12/27/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1450	gpm
Totalizer Value from Touch-screen	Touch Screen	92187		gallons
Influent Pressure to Column 6B	PI-3C-2	4		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~3		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	71		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	11.1		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	59		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	9.4		mg/l

DAILY MONITORING LOG
General Parameters

Date 12/21/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.3	1520	
Conductivity	Discharge	62.4		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	56		psi
Bag Filter Effluent	PI-05	54		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5700		KW-Hours
Electrical Usage Meter B	Electric Meter	1319		KW-Hours

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DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb #7 **Date** 12/21/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1440	gpm
Totalizer Value from Touch-screen	Touch Screen	73549		gallons
Influent Pressure to Column 6A	PI-3C-2	11		psi
Effluent Pressure from Column 6A	PI-3C-1	~3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	8		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	57		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	8.6		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	60		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	9.9		mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, cycle #7 **Date** 12/21/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1440	gpm
Totalizer Value from Touch-screen	Touch Screen	93549		gallons
Influent Pressure to Column 6B	PI-3C-2	~3		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	60		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	9.9		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	67		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	9.7		mg/l

DAILY MONITORING LOG

General Parameters

Date 12/27/20

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.4	1230 ~~1100~~	
Conductivity	Discharge	610.	~	
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	58		psi
Bag Filter Effluent	PI-05	57		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5706		KW-Hours
Electrical Usage Meter B	Electric Meter	1322		KW-Hours

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DAILY MONITORING LOG

Column 6A

Test Sequence 2, carbon #7 **Date** 12/22/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1040	gpm
Totalizer Value from Touch-screen	Touch Screen	94511	↓	gallons
Influent Pressure to Column 6A	PI-3C-2	10		psi
Effluent Pressure from Column 6A	PI-3C-1	~3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	~7		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	50		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	9.4		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	76		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	13.1		mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, adsorb #7 **Date** 12/12/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1040	gpm
Totalizer Value from Touch-screen	Touch Screen	94511		gallons
Influent Pressure to Column 6B	PI-3C-2	~5		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	76		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	13.1		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	77		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	9.5		mg/l

DAILY MONITORING LOG

General Parameters

Date 12/26/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.3	1600	
Conductivity	Discharge	629		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	57		psi
Bag Filter Effluent	PI-05	56		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5733		KW-Hours
Electrical Usage Meter B	Electric Meter	1332		KW-Hours

60 60 59 58

DAILY MONITORING LOG

Column 6A

Test Sequence 2, absorb # 7 **Date** 12/26/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1600	gpm
Totalizer Value from Touch-screen	Touch Screen	00563		gallons
Influent Pressure to Column 6A	PI-3C-2	12		psi
Effluent Pressure from Column 6A	PI-3C-1	~3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	~9		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	75		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	8.8		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	72		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	7.8		mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, adsorb #7 **Date** 12/26/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1600	gpm
Totalizer Value from Touch-screen	Touch Screen	100563	"	gallons
Influent Pressure to Column 6B	PI-3C-2	~3		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	72		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	7.3		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	58		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	8.3	"	mg/l

DAILY MONITORING LOG

General Parameters

Date 12/27/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.3	1420	
Conductivity	Discharge	630		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	58		psi
Bag Filter Effluent	PI-05	57		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5739		KW-Hours
Electrical Usage Meter B	Electric Meter	1335		KW-Hours

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DAILY MONITORING LOG

Column 6A

Test Sequence 2, Cdsorb #7 **Date** 12/21/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1425	gpm
Totalizer Value from Touch-screen	Touch Screen	101423	↓	gallons
Influent Pressure to Column 6A	PI-3C-2	10	↓	psi
Effluent Pressure from Column 6A	PI-3C-1	~3	↓	psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	7	↓	psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	75	↓	mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	8.9	↓	mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	49	↓	mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	5.8	↓	mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, adsorb #7 **Date** 12/27

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1425	gpm
Totalizer Value from Touch-screen	Touch Screen	10:423		gallons
Influent Pressure to Column 6B	PI-3C-2	~3		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	49		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	5.8		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	69		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	8.6	✓	mg/l

DAILY MONITORING LOG

General Parameters

Date 12/28/00

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.3	1435	
Conductivity	Discharge	624		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	57		psi
Bag Filter Effluent	PI-05	56		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5746		KW-Hours
Electrical Usage Meter B	Electric Meter	1339		KW-Hours

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DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb # 7 **Date** 12/28/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1500	gpm
Totalizer Value from Touch-screen	Touch Screen	102476	1	gallons
Influent Pressure to Column 6A	PI-3C-2	11		psi
Effluent Pressure from Column 6A	PI-3C-1	~3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	~8		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	62		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	8.8		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	78	↓	mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	10.4	↓	mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, adsorb #7 **Date** 12/28/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1500	gpm
Totalizer Value from Touch-screen	Touch Screen	102476	↓	gallons
Influent Pressure to Column 6B	PI-3C-2	~3	↓	psi
Effluent Pressure from Column 6B	PI-3C-1	~1	↓	psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2	↓	psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	78	↓	mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	10.4	↓	mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	64	↓	mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	9.7	↓	mg/l

DAILY MONITORING LOG

General Parameters

Date 12/29

Parameter	Location/ID#	Reading	Time	Units
pH @ Discharge	Discharge	8.3	1320	
Conductivity	Discharge	640		
GAC Influent	PI-01	3		psi
GAC Midpoint	PI-02	0		psi
GAC Effluent	PI-03	0		psi
Bag Filter Influent	PI-04	57		psi
Bag Filter Effluent	PI-05	56		psi
Influent Manifold Pressure	PI-06			psi
Electrical Usage Meter A	Electric Meter	5752		KW-Hours
Electrical Usage Meter B	Electric Meter	1342		KW-Hours

60 60 60 59

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DAILY MONITORING LOG

Column 6A

Test Sequence 2, adsorb #7 **Date** 12/29/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6A	FI-3C-7 Rotameter	1	1250	gpm
Totalizer Value from Touch-screen	Touch Screen	103483		gallons
Influent Pressure to Column 6A	PI-3C-2	12		psi
Effluent Pressure from Column 6A	PI-3C-1	~3		psi
Differential Pressure across Column 6A	PI-3C-2 minus PI-3C-1	~9		psi
Influent Sulfate Concentration	Test Kit Sample @ SP-3C-2	62		mg/l
Influent Nitrate Concentration	Test Kit Sample @ SP-3C-2	8.6		mg/l
Effluent Sulfate Concentration	Test Kit Sample @ SP-3C-1	73		mg/l
Effluent Nitrate Concentration	Test Kit Sample @ SP-3C-1	11.0		mg/l

DAILY MONITORING LOG

Column 6B

Test Sequence 2, adsorb # 7 **Date** 12/29/00

Parameter	Location/ID#	Reading	Time	Units
Instantaneous Influent Flow Rate to Column 6B	FI-3C-7 Rotameter	1	1250	gpm
Totalizer Value from Touch-screen	Touch Screen	103463		gallons
Influent Pressure to Column 6B	PI-3C-2	~3		psi
Effluent Pressure from Column 6B	PI-3C-1	~1		psi
Differential Pressure across Column 6B	PI-3C-2 minus PI-3C-1	~2		psi
Influent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	73		mg/l
Influent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-2	11.0		mg/l
Effluent Sulfate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	59		mg/l
Effluent Nitrate Concentration 4:00 PM	Test Kit Sample @ SP-3C-1	12.6	Y	mg/l