



2 of 3

**PERMIT RENEWAL APPLICATION
CLASS I NONHAZARDOUS WASTE INJECTION WELL
WDW NO. 1**

Volume 2 of 3

**NAVAJO REFINING COMPANY, L.L.C.
ARTESIA, NEW MEXICO
SUBSURFACE PROJECT NO. 60D6894**

**SUBSURFACE TECHNOLOGY, INC.
8212 KELWOOD AVE.
BATON ROUGE, LOUISIANA 70806
225-753-2561
PFBR@SUBSURFACEGROUP.COM**

MARCH 2013

APPENDIX D

INJECTION FLUID ANALYTICAL DATA



28-Nov-2012

Aaron Strange
Navajo Refining Company
PO Box 159
Artesia, NM 88211

Tel: (575) 748-6733
Fax: (575) 746-5421

Re: Injection Well Quarterly

Work Order: 1211601

Dear Aaron,

ALS Environmental received 2 samples on 16-Nov-2012 09:15 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 39.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in cursive script that reads "Patricia L. Lynch".

Electronically approved by: Jumoke M. Lawal

Patricia L. Lynch
Project Manager



Certificate No: T104704231-09A-TX

ALS Environmental

Date: 28-Nov-12

Client: Navajo Refining Company
Project: Injection Well Quarterly
Work Order: 1211601

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1211601-01	WW Effluent	Liquid		11/15/2012 09:55	11/16/2012 09:15	☐
1211601-02	Trip Blank	Water		11/15/2012	11/16/2012 09:15	☐

ALS Environmental

Date: 28-Nov-12

Client: Navajo Refining Company

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Work Order: 1211601

Case Narrative

The result for pH is flagged with H indicating that the holding time was exceeded. Per 40CFR136, the holding time for pH is "immediate."

Batch R138692, Volatile Organics: MS/MSD recoveries for 1,1,2,2-tetrachloroethane are above the control limits in sample WW Effluent, but in control in the associated LCS. Also, 2-chloroethyl vinyl ether was not recovered in the MS/MSD because this compound decomposes in acidic media.

The analysis for specific gravity was performed at Texas Oil Tech located in Houston, Texas.

ALS Environmental

Date: 28-Nov-12

Client: Navajo Refining Company

Project: Injection Well Quarterly

Sample ID: WW Effluent

Collection Date: 11/15/2012 09:55 AM

Work Order: 1211601

Lab ID: 1211601-01

Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
MERCURY-SW7470A			SW7470				Analyst: OFO
Mercury	ND		0.000200	mg/L	1	11/19/2012	11/19/2012 04:54 PM
METALS			SW6020				Analyst: ALR
Aluminum	4.04		0.500	mg/L	50	11/19/2012	11/20/2012 08:15 PM
Arsenic	0.0700	*	0.0100	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Barium	0.0599		0.0100	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Beryllium	ND		0.00400	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Boron	0.286		0.100	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Cadmium	ND		0.00400	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Calcium	59.2		1.00	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Chromium	ND		0.0100	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Cobalt	ND		0.0100	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Copper	0.0180		0.0100	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Iron	0.950		0.400	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Lead	ND		0.0100	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Magnesium	20.1		0.400	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Manganese	0.0669		0.0100	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Molybdenum	0.255		0.0100	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Nickel	0.0109		0.0100	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Potassium	36.3		0.400	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Selenium	0.842	*	0.0100	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Silver	ND		0.0100	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Sodium	1,450		10.0	mg/L	50	11/19/2012	11/20/2012 08:15 PM
Vanadium	0.0199		0.0100	mg/L	2	11/19/2012	11/20/2012 08:38 PM
Zinc	0.0836		0.0100	mg/L	2	11/19/2012	11/20/2012 08:38 PM
SEMIVOLATILES - SW8270D			SW8270				Analyst: ACN
1,2,4-Trichlorobenzene	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
2-Methylphenol	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
2-Nitroaniline	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
2-Nitrophenol	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
3&4-Methylphenol	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
3-Nitroaniline	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
4-Nitroaniline	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
4-Nitrophenol	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Acenaphthene	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 28-Nov-12

Client: Navajo Refining Company

Project: Injection Well Quarterly

Sample ID: WW Effluent

Collection Date: 11/15/2012 09:55 AM

Work Order: 1211601

Lab ID: 1211601-01

Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
Acenaphthylene	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Aniline	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Anthracene	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Benz(a)anthracene	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Benzidine	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Hexachlorobenzene	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Hexachloroethane	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Isophorone	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Naphthalene	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Nitrobenzene	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
N-Nitrosodimethylamine	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Pentachlorophenol	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Phenanthrene	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Phenol	0.013		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Pyrene	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Pyridine	ND		0.0050	mg/L	1	11/19/2012	11/19/2012 08:09 PM
Surr: 2,4,6-Tribromophenol	120		42-124	%REC	1	11/19/2012	11/19/2012 08:09 PM
Surr: 2-Fluorobiphenyl	85.2		48-120	%REC	1	11/19/2012	11/19/2012 08:09 PM
Surr: 2-Fluorophenol	65.2		20-120	%REC	1	11/19/2012	11/19/2012 08:09 PM
Surr: 4-Terphenyl-d14	104		51-135	%REC	1	11/19/2012	11/19/2012 08:09 PM
Surr: Nitrobenzene-d5	83.9		41-120	%REC	1	11/19/2012	11/19/2012 08:09 PM
Surr: Phenol-d6	87.4		20-120	%REC	1	11/19/2012	11/19/2012 08:09 PM
VOLATILES - SW8260C			SW8260			Analyst: KKP	
1,1,1-Trichloroethane	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
1,1,2-Trichloroethane	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
1,1-Dichloroethane	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
1,1-Dichloroethene	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
1,2-Dichloroethane	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
2-Butanone	ND		0.010	mg/L	1		11/21/2012 06:37 PM
2-Chloroethyl vinyl ether	ND		0.010	mg/L	1		11/21/2012 06:37 PM
2-Hexanone	ND		0.010	mg/L	1		11/21/2012 06:37 PM
4-Methyl-2-pentanone	ND		0.010	mg/L	1		11/21/2012 06:37 PM
Acetone	0.055		0.010	mg/L	1		11/21/2012 06:37 PM
Benzene	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
Bromodichloromethane	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
Bromoform	ND		0.0050	mg/L	1		11/21/2012 06:37 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 28-Nov-12

Client: Navajo Refining Company

Project: Injection Well Quarterly

Sample ID: WW Effluent

Collection Date: 11/15/2012 09:55 AM

Work Order: 1211601

Lab ID: 1211601-01

Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
Bromomethane	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
Carbon disulfide	ND		0.010	mg/L	1		11/21/2012 06:37 PM
Carbon tetrachloride	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
Chlorobenzene	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
Chloroethane	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
Chloroform	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
Chloromethane	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
Dibromochloromethane	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
Ethylbenzene	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
m,p-Xylene	ND		0.010	mg/L	1		11/21/2012 06:37 PM
Methylene chloride	ND		0.010	mg/L	1		11/21/2012 06:37 PM
Styrene	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
Tetrachloroethene	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
Toluene	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
Trichloroethene	ND		0.0050	mg/L	1		11/21/2012 06:37 PM
Vinyl acetate	ND		0.010	mg/L	1		11/21/2012 06:37 PM
Vinyl chloride	ND		0.0020	mg/L	1		11/21/2012 06:37 PM
Xylenes, Total	ND		0.015	mg/L	1		11/21/2012 06:37 PM
Surr: 1,2-Dichloroethane-d4	95.7		70-125	%REC	1		11/21/2012 06:37 PM
Surr: 4-Bromofluorobenzene	102		72-125	%REC	1		11/21/2012 06:37 PM
Surr: Dibromofluoromethane	98.2		71-125	%REC	1		11/21/2012 06:37 PM
Surr: Toluene-d8	101		75-125	%REC	1		11/21/2012 06:37 PM
REACTIVE CYANIDE			SW-846				Analyst: HN
Reactive Cyanide	ND		40.0	mg/Kg	1		11/26/2012 01:00 PM
REACTIVE SULFIDE			SW-846				Analyst: HN
Reactive Sulfide	ND		40.0	mg/Kg	1		11/26/2012 01:00 PM
MISCELLANEOUS ANALYSIS			NA				Analyst: SUB
Miscellaneous Analysis	See Attached				1		11/27/2012
ANIONS - EPA 300.0 (1993)			E300				Analyst: JKP
Bromide	5.74		0.100	mg/L	1		11/26/2012 03:11 PM
Chloride	401		25.0	mg/L	50		11/26/2012 07:13 PM
Fluoride	8.76		0.100	mg/L	1		11/26/2012 03:11 PM
Sulfate	2,580		25.0	mg/L	50		11/26/2012 07:13 PM
Surr: Selenate (surr)	100		85-115	%REC	50		11/26/2012 07:13 PM
Surr: Selenate (surr)	90.5		85-115	%REC	1		11/26/2012 03:11 PM
ALKALINITY-SM2320B			SM2320B				Analyst: KL

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 28-Nov-12

Client: Navajo Refining Company

Project: Injection Well Quarterly

Sample ID: WW Effluent

Collection Date: 11/15/2012 09:55 AM

Work Order: 1211601

Lab ID: 1211601-01

Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
Alkalinity, Bicarbonate (As CaCO ₃)	239		5.00	mg/L	1		11/20/2012 11:33 AM
Alkalinity, Carbonate (As CaCO ₃)	ND		5.00	mg/L	1		11/20/2012 11:33 AM
Alkalinity, Hydroxide (As CaCO ₃)	ND		5.00	mg/L	1		11/20/2012 11:33 AM
Alkalinity, Total (As CaCO ₃)	239		5.00	mg/L	1		11/20/2012 11:33 AM
SPECIFIC CONDUCTIVITY			M2510 B				Analyst: VAN
Specific Conductivity	6,680		1.00	µmhos/cm	1		11/21/2012 02:00 PM
IGNITIBILITY			SW1010				Analyst: KL
Ignitability	> 212		50.0	°F	1		11/17/2012 11:00 AM
PH - SW9040C			SW9040				Analyst: KL
pH	7.63	H	0.100	pH units	1		11/17/2012 04:30 PM
TOTAL DISSOLVED SOLIDS			M2540C				Analyst: KAH
Total Dissolved Solids (Residue, Filterable)	4,780		10.0	mg/L	1		11/20/2012 05:55 PM

te: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 28-Nov-12

Client: Navajo Refining Company
Work Order: 1211601
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 65884		Instrument ID Mercury			Method: SW7470					
MBLK		Sample ID: GBLKW4-111912-65884				Units: mg/L		Analysis Date: 11/19/2012 04:20 PM		
Client ID:		Run ID: MERCURY_121119A			SeqNo: 3022731		Prep Date: 11/19/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020								
LCS		Sample ID: GLCSW4-111912-65884				Units: mg/L		Analysis Date: 11/19/2012 04:22 PM		
Client ID:		Run ID: MERCURY_121119A			SeqNo: 3022732		Prep Date: 11/19/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00501	0.00020	0.005	0	100	85-115	0			
MS		Sample ID: 1211580-01CMS				Units: mg/L		Analysis Date: 11/19/2012 04:28 PM		
Client ID:		Run ID: MERCURY_121119A			SeqNo: 3022735		Prep Date: 11/19/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00502	0.00020	0.005	-0.000015	101	85-115	0			
MSD		Sample ID: 1211580-01CMSD				Units: mg/L		Analysis Date: 11/19/2012 04:30 PM		
Client ID:		Run ID: MERCURY_121119A			SeqNo: 3022736		Prep Date: 11/19/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00494	0.00020	0.005	-0.000015	99.1	85-115	0.00502	1.61	20	
DUP		Sample ID: 1211580-01CDUP				Units: mg/L		Analysis Date: 11/19/2012 04:26 PM		
Client ID:		Run ID: MERCURY_121119A			SeqNo: 3022734		Prep Date: 11/19/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020	0	0	0	0-0	-0.000015	0	20	

The following samples were analyzed in this batch:

1211601-01B

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 65886 Instrument ID ICPMS03 Method: SW6020

MBLK Sample ID: MBLKW2-111912-65886 Units: mg/L Analysis Date: 11/19/2012 03:46 PM
 Client ID: Run ID: ICPMS03_121119B SeqNo: 3022429 Prep Date: 11/19/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	0.010								
Arsenic	ND	0.0050								
Barium	ND	0.0050								
Beryllium	ND	0.0020								
Cadmium	ND	0.0020								
Chromium	ND	0.0050								
Cobalt	0.0009208	0.0050								J
Copper	ND	0.0050								
Lead	ND	0.0050								
Magnesium	ND	0.20								
Molybdenum	0.001848	0.0050								J
Nickel	ND	0.0050								
Potassium	ND	0.20								
Selenium	0.00189	0.0050								J
Silver	ND	0.0050								
Sodium	ND	0.20								
Zinc	ND	0.0050								

MBLK Sample ID: MBLKW2-111912-65886 Units: mg/L Analysis Date: 11/19/2012 03:46 PM
 Client ID: Run ID: ICPMS03_121119C SeqNo: 3022536 Prep Date: 11/19/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	ND	0.50								

MBLK Sample ID: MBLKW2-111912-65886 Units: mg/L Analysis Date: 11/20/2012 01:45 PM
 Client ID: Run ID: ICPMS03_121120A SeqNo: 3024034 Prep Date: 11/19/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	ND	0.050								
Iron	ND	0.20								
Manganese	ND	0.0050								
Vanadium	ND	0.0050								

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 65886 Instrument ID ICPMS03 Method: SW6020

LCS Sample ID: MLCW2-111912-65886 Units: mg/L Analysis Date: 11/19/2012 03:50 PM
 Client ID: Run ID: ICPMS03_121119B SeqNo: 3022431 Prep Date: 11/19/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1098	0.010	0.1	0	110	80-120	0			
Arsenic	0.05122	0.0050	0.05	0	102	80-120	0			
Barium	0.05387	0.0050	0.05	0	108	80-120	0			
Beryllium	0.05439	0.0020	0.05	0	109	80-120	0			
Cadmium	0.05335	0.0020	0.05	0	107	80-120	0			
Chromium	0.05017	0.0050	0.05	0	100	80-120	0			
Cobalt	0.05081	0.0050	0.05	0	102	80-120	0			
Copper	0.05043	0.0050	0.05	0	101	80-120	0			
Lead	0.05292	0.0050	0.05	0	106	80-120	0			
Magnesium	5.079	0.20	5	0	102	80-120	0			
Molybdenum	0.05037	0.0050	0.05	0	101	80-120	0			
Nickel	0.05075	0.0050	0.05	0	102	80-120	0			
Potassium	5.107	0.20	5	0	102	80-120	0			
Selenium	0.05036	0.0050	0.05	0	101	80-120	0			
Silver	0.05247	0.0050	0.05	0	105	80-120	0			
Sodium	5.104	0.20	5	0	102	80-120	0			
Zinc	0.05265	0.0050	0.05	0	105	80-120	0			

LCS Sample ID: MLCW2-111912-65886 Units: mg/L Analysis Date: 11/19/2012 03:50 PM
 Client ID: Run ID: ICPMS03_121119C SeqNo: 3022538 Prep Date: 11/19/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	4.825	0.50	5	0	96.5	80-120	0			

LCS Sample ID: MLCW2-111912-65886 Units: mg/L Analysis Date: 11/20/2012 01:50 PM
 Client ID: Run ID: ICPMS03_121120A SeqNo: 3024035 Prep Date: 11/19/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	0.4696	0.050	0.5	0	93.9	80-120	0			
Iron	4.842	0.20	5	0	96.8	80-120	0			
Manganese	0.04885	0.0050	0.05	0	97.7	80-120	0			
Vanadium	0.04866	0.0050	0.05	0	97.3	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 65886 Instrument ID ICPMS03 Method: SW6020

MS Sample ID: 1211583-04CMS Units: mg/L Analysis Date: 11/19/2012 09:22 PM

Client ID: Run ID: ICPMS03_121119B SeqNo: 3023192 Prep Date: 11/19/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05141	0.0050	0.05	-0.000136	103	80-120	0			
Barium	0.05001	0.0050	0.05	0.0005235	99	80-120	0			
Beryllium	0.0509	0.0020	0.05	0.0001475	102	80-120	0			
Cadmium	0.04875	0.0020	0.05	0.0004233	96.7	80-120	0			
Calcium	5.226	0.50	5	0.2547	99.4	80-120	0			
Chromium	0.04899	0.0050	0.05	0.0002985	97.4	80-120	0			
Cobalt	0.04869	0.0050	0.05	-0.00035	98.1	80-120	0			
Copper	0.04965	0.0050	0.05	-0.0001003	99.5	80-120	0			
Iron	5.045	0.20	5	0.07361	99.4	80-120	0			
Lead	0.04959	0.0050	0.05	0.0001647	98.9	80-120	0			
Manganese	0.05063	0.0050	0.05	0.002	97.3	80-120	0			
Nickel	0.04962	0.0050	0.05	-0.0002051	99.7	80-120	0			
Selenium	0.05266	0.0050	0.05	0.001052	103	80-120	0			
Vanadium	0.04793	0.0050	0.05	-0.0004202	96.7	80-120	0			
Zinc	0.05374	0.0050	0.05	0.003873	99.7	80-120	0			

MS Sample ID: 1211583-04CMS Units: mg/L Analysis Date: 11/20/2012 03:31 PM

C. ID: Run ID: ICPMS03_121120A SeqNo: 3024048 Prep Date: 11/19/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1162	0.010	0.1	0.01294	103	80-120	0			
Boron	0.4895	0.050	0.5	0.02886	92.1	80-120	0			
Magnesium	4.873	0.20	5	0.03999	96.7	80-120	0			
Molybdenum	0.04684	0.0050	0.05	0.001263	91.2	80-120	0			
Potassium	4.811	0.20	5	-0.002126	96.3	80-120	0			
Silver	0.04848	0.0050	0.05	0.0003081	96.3	80-120	0			
Sodium	4.958	0.20	5	0.1472	96.2	80-120	0			

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 65886 Instrument ID ICPMS03 Method: SW6020

MSD Sample ID: 1211583-04CMSD Units: mg/L Analysis Date: 11/19/2012 09:26 PM

Client ID: Run ID: ICPMS03_121119B SeqNo: 3023194 Prep Date: 11/19/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04785	0.0050	0.05	-0.000136	96	80-120	0.05141	7.17	15	
Barium	0.05146	0.0050	0.05	0.0005235	102	80-120	0.05001	2.86	15	
Beryllium	0.05135	0.0020	0.05	0.0001475	102	80-120	0.0509	0.88	15	
Cadmium	0.04873	0.0020	0.05	0.0004233	96.6	80-120	0.04875	0.041	15	
Calcium	4.939	0.50	5	0.2547	93.7	80-120	5.226	5.65	15	
Chromium	0.04544	0.0050	0.05	0.0002985	90.3	80-120	0.04899	7.52	15	
Cobalt	0.04563	0.0050	0.05	-0.00035	92	80-120	0.04869	6.49	15	
Copper	0.04698	0.0050	0.05	-0.0001003	94.2	80-120	0.04965	5.53	15	
Iron	4.742	0.20	5	0.07361	93.4	80-120	5.045	6.19	15	
Lead	0.04957	0.0050	0.05	0.0001647	98.8	80-120	0.04959	0.0403	15	
Manganese	0.04738	0.0050	0.05	0.002	90.8	80-120	0.05063	6.63	15	
Nickel	0.04652	0.0050	0.05	-0.0002051	93.5	80-120	0.04962	6.45	15	
Selenium	0.04724	0.0050	0.05	0.001052	92.4	80-120	0.05266	10.9	15	
Vanadium	0.0451	0.0050	0.05	-0.0004202	91	80-120	0.04793	6.08	15	
Zinc	0.05171	0.0050	0.05	0.003873	95.7	80-120	0.05374	3.85	15	

MSD Sample ID: 1211583-04CMSD Units: mg/L Analysis Date: 11/20/2012 03:36 PM

Client ID: Run ID: ICPMS03_121120A SeqNo: 3024049 Prep Date: 11/19/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1227	0.010	0.1	0.01294	110	80-120	0.1162	5.44	15	
Boron	0.5272	0.050	0.5	0.02886	99.7	80-120	0.4895	7.42	15	
Magnesium	5.084	0.20	5	0.03999	101	80-120	4.873	4.24	15	
Molybdenum	0.04943	0.0050	0.05	0.001263	96.3	80-120	0.04684	5.38	15	
Potassium	5.04	0.20	5	-0.002126	101	80-120	4.811	4.65	15	
Silver	0.05023	0.0050	0.05	0.0003081	99.8	80-120	0.04848	3.55	15	
Sodium	5.111	0.20	5	0.1472	99.3	80-120	4.958	3.04	15	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 65886 Instrument ID ICPMS03 Method: SW6020

DUP Sample ID: 1211583-04CDUP Units: mg/L Analysis Date: 11/19/2012 09:12 PM

Client ID: Run ID: ICPMS03_121119B SeqNo: 3023190 Prep Date: 11/19/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.0050	0	0	0	0-0	-0.000136	0	25	
Barium	ND	0.0050	0	0	0	0-0	0.0005235	0	25	
Beryllium	ND	0.0020	0	0	0	0-0	0.0001475	0	25	
Cadmium	ND	0.0020	0	0	0	0-0	0.0004233	0	25	
Calcium	0.2921	0.50	0	0	0	0-0	0.2547	0	25	J
Chromium	ND	0.0050	0	0	0	0-0	0.0002985	0	25	
Cobalt	ND	0.0050	0	0	0	0-0	-0.00035	0	25	
Copper	ND	0.0050	0	0	0	0-0	-0.0001003	0	25	
Iron	0.1045	0.20	0	0	0	0-0	0.07361	0	25	J
Lead	ND	0.0050	0	0	0	0-0	0.0001647	0	25	
Manganese	ND	0.0050	0	0	0	0-0	0.002	0	25	
Nickel	ND	0.0050	0	0	0	0-0	-0.0002051	0	25	
Selenium	0.001161	0.0050	0	0	0	0-0	0.001052	0	25	J
Vanadium	ND	0.0050	0	0	0	0-0	-0.0004202	0	25	
Zinc	0.005804	0.0050	0	0	0	0-0	0.003873	39.9	25	R

Sample ID: 1211583-04CDUP Units: mg/L Analysis Date: 11/20/2012 02:08 PM

Client ID: Run ID: ICPMS03_121120A SeqNo: 3024039 Prep Date: 11/19/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.01461	0.010	0	0	0	0-0	0.01294	12.1	25	
Boron	ND	0.050	0	0	0	0-0	0.02886	0	25	
Magnesium	ND	0.20	0	0	0	0-0	0.03999	0	25	
Molybdenum	ND	0.0050	0	0	0	0-0	0.001263	0	25	
Potassium	ND	0.20	0	0	0	0-0	-0.002126	0	25	
Silver	ND	0.0050	0	0	0	0-0	0.0003081	0	25	
Sodium	0.1443	0.20	0	0	0	0-0	0.1472	0	25	J

The following samples were analyzed in this batch:

1211601-01B

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **65879** Instrument ID **SV-3** Method: **SW8270**

MBLK Sample ID: **SBLKW1-121119-65879** Units: **µg/L** Analysis Date: **11/19/2012 06:01 PM**

Client ID: Run ID: **SV-3_121119B** SeqNo: **3023487** Prep Date: **11/19/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	ND	5.0								
2,4,5-Trichlorophenol	ND	5.0								
2,4,6-Trichlorophenol	ND	5.0								
2,4-Dinitrotoluene	ND	5.0								
2-Methylnaphthalene	ND	5.0								
2-Methylphenol	ND	5.0								
2-Nitroaniline	ND	5.0								
2-Nitrophenol	ND	5.0								
3&4-Methylphenol	ND	5.0								
3-Nitroaniline	ND	5.0								
4-Nitroaniline	ND	5.0								
4-Nitrophenol	ND	5.0								
Acenaphthene	ND	5.0								
Acenaphthylene	ND	5.0								
Aniline	ND	5.0								
Anthracene	ND	5.0								
Benz(a)anthracene	ND	5.0								
Benzidine	ND	5.0								
Hexachlorobenzene	ND	5.0								
Hexachloroethane	ND	5.0								
Indeno(1,2,3-cd)pyrene	ND	5.0								
Isophorone	ND	5.0								
Naphthalene	ND	5.0								
Nitrobenzene	ND	5.0								
N-Nitrosodimethylamine	ND	5.0								
N-Nitrosodi-n-propylamine	ND	5.0								
N-Nitrosodiphenylamine	ND	5.0								
Pentachlorophenol	ND	5.0								
Phenanthrene	ND	5.0								
Phenol	ND	5.0								
Pyrene	ND	5.0								
Pyridine	ND	5.0								
Surr: 2,4,6-Tribromophenol	107.2	5.0	100	C	107	42-124		0		
Surr: 2-Fluorobiphenyl	96.75	5.0	100	0	96.8	48-120		0		
Surr: 2-Fluorophenol	75.58	5.0	100	0	75.6	20-120		0		
Surr: 4-Terphenyl-d14	109.1	5.0	100	0	109	51-135		0		
Surr: Nitrobenzene-d5	98.12	5.0	100	0	98.1	41-120		0		
Surr: Phenol-d6	85.07	5.0	100	0	85.1	20-120		0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 65879 Instrument ID SV-3 Method: SW8270

LCS Sample ID: SLCSW1-121119-65879 Units: µg/L Analysis Date: 11/19/2012 06:22 PM

Client ID: Run ID: SV-3_121119B SeqNo: 3023488 Prep Date: 11/19/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	52.36	5.0	50	0	105	50-120	0			
2,4,5-Trichlorophenol	94.72	5.0	100	0	94.7	50-120	0			
2,4,6-Trichlorophenol	101.2	5.0	100	0	101	50-120	0			
2,4-Dinitrotoluene	50.82	5.0	50	0	102	50-120	0			
2-Methylnaphthalene	53.82	5.0	50	0	108	55-120	0			
2-Methylphenol	90.43	5.0	100	0	90.4	50-120	0			
2-Nitroaniline	56.84	5.0	50	0	114	55-125	0			
2-Nitrophenol	102.7	5.0	100	0	103	55-120	0			
3&4-Methylphenol	126.6	5.0	150	0	84.4	45-120	0			
3-Nitroaniline	24.3	5.0	50	0	48.6	25-120	0			
4-Nitroaniline	39.2	5.0	50	0	78.4	50-120	0			
4-Nitrophenol	103.4	5.0	100	0	103	45-120	0			
Acenaphthene	53.3	5.0	50	0	107	55-120	0			
Acenaphthylene	53.57	5.0	50	0	107	55-120	0			
Aniline	19.06	5.0	50	0	38.1	30-120	0			
Anthracene	55.7	5.0	50	0	111	55-120	0			
Benzanthracene	52.29	5.0	50	0	105	55-120	0			
Benzo[a]pyrene	8.403	5.0	50	0	16.8	10-120	0			
Hexachlorobenzene	58.58	5.0	50	0	117	55-120	0			
Hexachloroethane	51.74	5.0	50	0	103	55-120	0			
Indeno(1,2,3-cd)pyrene	49.77	5.0	50	0	99.5	55-120	0			
Isophorone	52.22	5.0	50	0	104	55-120	0			
Naphthalene	53.73	5.0	50	0	107	55-120	0			
Nitrobenzene	54.87	5.0	50	0	110	55-120	0			
N-Nitrosodimethylamine	29.97	5.0	50	0	59.9	45-120	0			
N-Nitrosodi-n-propylamine	34.72	5.0	50	0	69.4	50-120	0			
N-Nitrosodiphenylamine	57.55	5.0	50	0	115	55-120	0			
Pentachlorophenol	102	5.0	100	0	102	55-120	0			
Phenanthrene	55.94	5.0	50	0	112	55-120	0			
Phenol	92.74	5.0	100	0	92.7	50-120	0			
Pyrene	52.51	5.0	50	0	105	55-120	0			
Pyridine	34.91	5.0	50	0	69.8	35-120	0			
Surr: 2,4,6-Tribromophenol	118	5.0	100	0	118	42-124	0			
Surr: 2-Fluorobiphenyl	99.38	5.0	100	0	99.4	48-120	0			
Surr: 2-Fluorophenol	82.6	5.0	100	0	82.6	20-120	0			
Surr: 4-Terphenyl-d14	118.1	5.0	100	0	118	51-135	0			
Surr: Nitrobenzene-d5	106.3	5.0	100	0	106	41-120	0			
Surr: Phenol-d6	94.07	5.0	100	0	94.1	20-120	0			

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 65879		Instrument ID SV-3		Method: SW8270						
LCSD		Sample ID: SLCSDW1-121119-65879				Units: µg/L		Analysis Date: 11/19/2012 06:45 PM		
Client ID:		Run ID: SV-3_121119B				SeqNo: 3023489		Prep Date: 11/19/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	53.99	5.0	50	0	108	50-120	52.36	3.05	20	
2,4,5-Trichlorophenol	93.93	5.0	100	0	93.9	50-120	94.72	0.83	20	
2,4,6-Trichlorophenol	103.6	5.0	100	0	104	50-120	101.2	2.38	20	
2,4-Dinitrotoluene	50.27	5.0	50	0	101	50-120	50.82	1.08	20	
2-Methylnaphthalene	52.05	5.0	50	0	104	55-120	53.82	3.34	20	
2-Methylphenol	91.54	5.0	100	0	91.5	50-120	90.43	1.22	20	
2-Nitroaniline	59.57	5.0	50	0	119	55-125	56.84	4.68	20	
2-Nitrophenol	102.5	5.0	100	0	102	55-120	102.7	0.207	20	
3&4-Methylphenol	127	5.0	150	0	84.7	45-120	126.6	0.339	20	
3-Nitroaniline	25.12	5.0	50	0	50.2	25-120	24.3	3.32	20	
4-Nitroaniline	37.54	5.0	50	0	75.1	50-120	39.2	4.31	20	
4-Nitrophenol	105.7	5.0	100	0	106	45-120	103.4	2.19	20	
Acenaphthene	53.32	5.0	50	0	107	55-120	53.3	0.0408	20	
Acenaphthylene	54.29	5.0	50	0	109	55-120	53.57	1.32	20	
Aniline	18.43	5.0	50	0	36.9	30-120	19.06	3.37	20	
Anthracene	56.66	5.0	50	0	113	55-120	55.7	1.72	20	
Benz(a)anthracene	51.77	5.0	50	0	104	55-120	52.29	1	20	
Benzidine	8.067	5.0	50	0	16.1	10-120	8.403	4.07	20	
Hexachlorobenzene	59.99	5.0	50	0	120	55-120	58.58	2.37	20	
Hexachloroethane	52.91	5.0	50	0	106	55-120	51.74	2.24	20	
Indeno(1,2,3-cd)pyrene	52.17	5.0	50	0	104	55-120	49.77	4.69	20	
Isophorone	49.71	5.0	50	0	99.4	55-120	52.22	4.91	20	
Naphthalene	53.05	5.0	50	0	106	55-120	53.73	1.28	20	
Nitrobenzene	51.42	5.0	50	0	103	55-120	54.87	6.49	20	
N-Nitrosodimethylamine	30.87	5.0	50	0	61.7	45-120	29.97	2.94	20	
N-Nitrosodi-n-propylamine	28.68	5.0	50	0	57.4	50-120	34.72	19.1	20	
N-Nitrosodiphenylamine	58.07	5.0	50	0	116	55-120	57.55	0.9	20	
Pentachlorophenol	105.7	5.0	100	0	106	55-120	102	3.5	20	
Phenanthrene	55.72	5.0	50	0	111	55-120	55.94	0.396	20	
Phenol	93.36	5.0	100	0	93.4	50-120	92.74	0.665	20	
Pyrene	51.79	5.0	50	0	104	55-120	52.51	1.37	20	
Pyridine	35.39	5.0	50	0	70.8	35-120	34.91	1.39	20	
Surr: 2,4,6-Tribromophenol	116.5	5.0	100	0	117	42-124	118	1.26	20	
Surr: 2-Fluorobiphenyl	102.6	5.0	100	0	103	48-120	99.38	3.18	20	
Surr: 2-Fluorophenol	86.32	5.0	100	0	86.3	20-120	82.6	4.41	20	
Surr: 4-Terphenyl-d14	115.2	5.0	100	0	115	51-135	118.1	2.55	20	
Surr: Nitrobenzene-d5	101.8	5.0	100	0	102	41-120	106.3	4.33	20	
Surr: Phenol-d6	97.78	5.0	100	0	97.8	20-120	94.07	3.86	20	

The following samples were analyzed in this batch:

1211601-01F

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R138692 Instrument ID VOA1 Method: SW8260

MBLK Sample ID: VBLKW-121121-R138692 Units: µg/L Analysis Date: 11/21/2012 04:08 PM

Client ID: Run ID: VOA1_121121B SeqNo: 3026410 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
2-Butanone	ND	10								
2-Chloroethyl vinyl ether	ND	10								
2-Hexanone	ND	10								
4-Methyl-2-pentanone	ND	10								
Acetone	ND	10								
Benzene	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	10								
C tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								
Ethylbenzene	ND	5.0								
m,p-Xylene	ND	10								
Methylene chloride	ND	10								
Styrene	ND	5.0								
Tetrachloroethene	ND	5.0								
Toluene	ND	5.0								
trans-1,3-Dichloropropene	ND	5.0								
Trichloroethene	ND	5.0								
Vinyl acetate	ND	10								
Vinyl chloride	ND	2.0								
Xylenes, Total	ND	15								
Surr: 1,2-Dichloroethane-d4	49.76	5.0	50	0	99.5	70-125	0			
Surr: 4-Bromofluorobenzene	52.56	5.0	50	0	105	72-125	0			
Surr: Dibromofluoromethane	46.69	5.0	50	0	93.4	71-125	0			
Surr: Toluene-d8	52.45	5.0	50	0	105	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **R138692** Instrument ID **VOA1** Method: **SW8260**

LCS Sample ID: **VLCSW-121121-R138692** Units: **µg/L** Analysis Date: **11/21/2012 02:54 PM**

Client ID: Run ID: **VOA1_121121B** SeqNo: **3026409** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	54.49	5.0	50	0	109	80-120	0			
1,1,2,2-Tetrachloroethane	50.06	5.0	50	0	100	72-120	0			
1,1,2-Trichloroethane	50.91	5.0	50	0	102	80-120	0			
1,1-Dichloroethane	50.26	5.0	50	0	101	76-120	0			
1,1-Dichloroethene	50.65	5.0	50	0	101	73-124	0			
1,2-Dichloroethane	55.86	5.0	50	0	112	78-120	0			
2-Butanone	95.12	10	100	0	95.1	58-132	0			
2-Chloroethyl vinyl ether	95.42	10	100	0	95.4	74-120	0			
2-Hexanone	100.3	10	100	0	100	61-130	0			
4-Methyl-2-pentanone	99.69	10	100	0	99.7	65-127	0			
Acetone	90.31	10	100	0	90.3	59-137	0			
Benzene	49.58	5.0	50	0	99.2	73-121	0			
Bromodichloromethane	51.38	5.0	50	0	103	80-120	0			
Bromoform	51.51	5.0	50	0	103	79-120	0			
Bromomethane	59.53	5.0	50	0	119	66-137	0			
Carbon disulfide	106.9	10	100	0	107	68-141	0			
Carbon tetrachloride	52.45	5.0	50	0	105	75-124	0			
Chlorobenzene	51.4	5.0	50	0	103	80-120	0			
Chloroethane	49.86	5.0	50	0	99.7	76-121	0			
Chloroform	50.55	5.0	50	0	101	80-120	0			
Chloromethane	48.45	5.0	50	0	96.9	67-123	0			
cis-1,3-Dichloropropene	49.75	5.0	50	0	99.5	80-120	0			
Dibromochloromethane	56.24	5.0	50	0	112	80-120	0			
Ethylbenzene	53.21	5.0	50	0	106	80-120	0			
m,p-Xylene	103	10	100	0	103	78-121	0			
Methylene chloride	49.75	10	50	0	99.5	65-133	0			
Styrene	51.72	5.0	50	0	103	80-120	0			
Tetrachloroethene	55.51	5.0	50	0	111	79-120	0			
Toluene	49.86	5.0	50	0	99.7	80-120	0			
trans-1,3-Dichloropropene	49.65	5.0	50	0	99.3	80-120	0			
Trichloroethene	53.47	5.0	50	0	107	80-120	0			
Vinyl acetate	98.96	10	100	0	99	67-139	0			
Vinyl chloride	51.31	2.0	50	0	103	70-127	0			
Xylenes, Total	153.2	15	150	0	102	80-120	0			
Surr: 1,2-Dichloroethane-d4	49.28	5.0	50	0	98.6	70-125	0			
Surr: 4-Bromofluorobenzene	50.53	5.0	50	0	101	72-125	0			
Surr: Dibromofluoromethane	49.18	5.0	50	0	98.4	71-125	0			
Surr: Toluene-d8	50	5.0	50	0	100	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R138692 Instrument ID VOA1 Method: SW8260

MS Sample ID: 1211601-01AMS Units: µg/L Analysis Date: 11/21/2012 05:22 PM

Client ID: WW Effluent Run ID: VOA1_121121B SeqNo: 3026411 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.34	5.0	50	0	98.7	80-120	0			
1,1,2,2-Tetrachloroethane	60.54	5.0	50	0	121	72-120	0			S
1,1,2-Trichloroethane	45.91	5.0	50	0	91.8	80-120	0			
1,1-Dichloroethane	44.22	5.0	50	0	88.4	76-120	0			
1,1-Dichloroethene	41.93	5.0	50	0	83.9	73-124	0			
1,2-Dichloroethane	51.71	5.0	50	0	103	78-120	0			
2-Butanone	95.45	10	100	0	95.4	58-132	0			
2-Chloroethyl vinyl ether	ND	10	100	0	0	74-120	0			S
2-Hexanone	109	10	100	0	109	61-130	0			
4-Methyl-2-pentanone	108.5	10	100	0	108	65-127	0			
Acetone	142.1	10	100	55.3	86.8	59-137	0			
Benzene	47.39	5.0	50	0	94.8	73-121	0			
Bromodichloromethane	51.65	5.0	50	0	103	80-120	0			
Bromoform	50.26	5.0	50	0	101	79-120	0			
Bromomethane	43.45	5.0	50	0	86.9	66-137	0			
Carbon disulfide	97.61	10	100	0	97.6	68-141	0			
Carbon tetrachloride	52.35	5.0	50	0	105	75-124	0			
Chlorobenzene	46.02	5.0	50	0	92	80-120	0			
Chloroethane	41.39	5.0	50	0	82.8	76-121	0			
Chloroform	45.69	5.0	50	0	91.4	80-120	0			
Chloromethane	43.68	5.0	50	0	87.4	67-123	0			
cis-1,3-Dichloropropene	50.81	5.0	50	0	102	80-120	0			
Dibromochloromethane	51.38	5.0	50	0	103	80-120	0			
Ethylbenzene	49.31	5.0	50	0	98.6	80-120	0			
m,p-Xylene	94.13	10	100	0	94.1	78-121	0			
Methylene chloride	42.97	10	50	0	85.9	65-133	0			
Styrene	47.68	5.0	50	0	95.4	80-120	0			
Tetrachloroethene	50.06	5.0	50	0	100	79-120	0			
Toluene	45.43	5.0	50	0	90.9	80-120	0			
trans-1,3-Dichloropropene	53.09	5.0	50	0	106	80-120	0			
Trichloroethene	50.48	5.0	50	0	101	80-120	0			
Vinyl acetate	95.51	10	100	0	95.5	67-139	0			
Vinyl chloride	44.38	2.0	50	0	88.8	70-127	0			
Xylenes, Total	140.5	15	150	0	93.6	80-120	0			
Surr: 1,2-Dichloroethane-d4	50.47	5.0	50	0	101	70-125	0			
Surr: 4-Bromofluorobenzene	45.2	5.0	50	0	90.4	72-125	0			
Surr: Dibromofluoromethane	49.04	5.0	50	0	98.1	71-125	0			
Surr: Toluene-d8	49.04	5.0	50	0	98.1	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R138692 Instrument ID VOA1 Method: SW8260

MSD Sample ID: 1211601-01AMSD Units: µg/L Analysis Date: 11/21/2012 05:47 PM

Client ID: WW Effluent Run ID: VOA1_121121B SeqNo: 3026412 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	50.56	5.0	50	0	101	80-120	49.34	2.44	20	
1,1,2,2-Tetrachloroethane	63.5	5.0	50	0	127	72-120	60.54	4.77	20	S
1,1,2-Trichloroethane	46.66	5.0	50	0	93.3	80-120	45.91	1.62	20	
1,1-Dichloroethane	44.12	5.0	50	0	88.2	76-120	44.22	0.226	20	
1,1-Dichloroethene	43.91	5.0	50	0	87.8	73-124	41.93	4.6	20	
1,2-Dichloroethane	54.3	5.0	50	0	109	78-120	51.71	4.89	20	
2-Butanone	97.54	10	100	0	97.5	58-132	95.45	2.17	20	
2-Chloroethyl vinyl ether	ND	10	100	0	0	74-120	0	0	20	S
2-Hexanone	108.1	10	100	0	108	61-130	109	0.81	20	
4-Methyl-2-pentanone	108.3	10	100	0	108	65-127	108.5	0.198	20	
Acetone	143.7	10	100	55.3	88.4	59-137	142.1	1.16	20	
Benzene	46.95	5.0	50	0	93.9	73-121	47.39	0.93	20	
Bromodichloromethane	50.79	5.0	50	0	102	80-120	51.65	1.68	20	
Bromoform	51.71	5.0	50	0	103	79-120	50.26	2.84	20	
Bromomethane	45.85	5.0	50	0	91.7	66-137	43.45	5.39	20	
Carbon disulfide	100.3	10	100	0	100	68-141	97.61	2.72	20	
Carbon tetrachloride	51.28	5.0	50	0	103	75-124	52.35	2.07	20	
Chlorobenzene	47.71	5.0	50	0	95.4	80-120	46.02	3.61	20	
Chloroethane	40.89	5.0	50	0	81.8	76-121	41.39	1.22	20	
Chloroform	46.25	5.0	50	0	92.5	80-120	45.69	1.23	20	
Chloromethane	42.21	5.0	50	0	84.4	67-123	43.68	3.42	20	
cis-1,3-Dichloropropene	50.92	5.0	50	0	102	80-120	50.81	0.216	20	
Dibromochloromethane	50.79	5.0	50	0	102	80-120	51.38	1.17	20	
Ethylbenzene	47.97	5.0	50	0	95.9	80-120	49.31	2.77	20	
m,p-Xylene	105.8	10	100	0	106	78-121	94.13	11.6	20	
Methylene chloride	44.89	10	50	0	89.8	65-133	42.97	4.35	20	
Styrene	49.17	5.0	50	0	98.3	80-120	47.68	3.07	20	
Tetrachloroethene	50.29	5.0	50	0	101	79-120	50.06	0.452	20	
Toluene	46.27	5.0	50	0	92.5	80-120	45.43	1.83	20	
trans-1,3-Dichloropropene	50.41	5.0	50	0	101	80-120	53.09	5.18	20	
Trichloroethene	53.08	5.0	50	0	106	80-120	50.48	5.02	20	
Vinyl acetate	98.29	10	100	0	98.3	67-139	95.51	2.86	20	
Vinyl chloride	46.92	2.0	50	0	93.8	70-127	44.38	5.55	20	
Xylenes, Total	155.3	15	150	0	104	80-120	140.5	10	20	
Surr: 1,2-Dichloroethane-d4	51.21	5.0	50	0	102	70-125	50.47	1.46	20	
Surr: 4-Bromofluorobenzene	47.94	5.0	50	0	95.9	72-125	45.2	5.88	20	
Surr: Dibromofluoromethane	49.62	5.0	50	0	99.2	71-125	49.04	1.16	20	
Surr: Toluene-d8	44.24	5.0	50	0	88.5	75-125	49.04	10.3	20	

The following samples were analyzed in this batch:

1211601-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
Work Order: 1211601
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **R138478** Instrument ID **WetChem** Method: **SW1010** (Dissolve)

LCS Sample ID: **WLCSW1-121117-R138478** Units: °F Analysis Date: **11/17/2012 11:00 AM**

Client ID: Run ID: **WETCHEM_121117C** SeqNo: **3021068** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ignitability	86	50	84	0	102	80-120	0			

DUP Sample ID: **1211561-10BDUP** Units: °F Analysis Date: **11/17/2012 11:00 AM**

Client ID: Run ID: **WETCHEM_121117C** SeqNo: **3021072** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ignitability	ND	50	0	0	0	0-0	0	0	25	

The following samples were analyzed in this batch:

1211601-01E

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **R138483** Instrument ID **WetChem** Method: **SW9040** (Dissolve)

LCS Sample ID: **WLCSW2-121117-R138483** Units: **pH units** Analysis Date: **11/17/2012 04:30 PM**

Client ID: Run ID: **WETCHEM_121117H** SeqNo: **3021147** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.01	0.10	6	0	100	90-110	0			

DUP Sample ID: **1211601-01CDUP** Units: **pH units** Analysis Date: **11/17/2012 04:30 PM**

Client ID: **WW Effluent** Run ID: **WETCHEM_121117H** SeqNo: **3021149** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.59	0.10	0	0	0	0-0	7.63	0.526	20	H

The following samples were analyzed in this batch:

1211601-01C

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R138576 Instrument ID ManTech01 Method: SM2320B (Dissolve)

MBLK Sample ID: WBLKW1-112012-R138576 Units: mg/L Analysis Date: 11/20/2012 11:03 AM

Client ID: Run ID: MANTECH01_121120A SeqNo: 3023585 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	5.0								
Alkalinity, Carbonate (As CaCO3)	ND	5.0								
Alkalinity, Hydroxide (As CaCO3)	ND	5.0								
Alkalinity, Total (As CaCO3)	ND	5.0								

LCS Sample ID: WLCSW1-112012-R138576 Units: mg/L Analysis Date: 11/20/2012 11:10 AM

Client ID: Run ID: MANTECH01_121120A SeqNo: 3023586 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	806.8	5.0	1000		0	80.7	80-120	0		

LCS Sample ID: WLCSCHK_112012-R138576 Units: mg/L Analysis Date: 11/20/2012 12:28 PM

Client ID: Run ID: MANTECH01_121120A SeqNo: 3023609 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	962.6	5.0	1000		0	96.3	80-120	0		

DUP Sample ID: 1211648-03ADUP Units: mg/L Analysis Date: 11/20/2012 11:22 AM

Client ID: Run ID: MANTECH01_121120A SeqNo: 3023588 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	70.42	5.0	0	0	0	0-0	71.36	1.33	0	
Alkalinity, Carbonate (As CaCO3)	ND	5.0	0	0	0	0-0	2.32	0	0	
Alkalinity, Hydroxide (As CaCO3)	ND	5.0	0	0	0	0-0	0	0	0	
Alkalinity, Total (As CaCO3)	72.82	5.0	0	0	0	0-0	73.68	1.17	20	

The following samples were analyzed in this batch:

1211601-01D

Client: Navajo Refining Company
Work Order: 1211601
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **R138651** Instrument ID: **WetChem** Method: **M2510 B** (Dissolve)

MBLK Sample ID: **WBLKW1-112112-R138651** Units: **µmhos/cm** Analysis Date: **11/21/2012 02:00 PM**

Client ID: Run ID: **WETCHEM_121121D** SeqNo: **3025517** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Specific Conductivity	ND	1.0								

LCS Sample ID: **WLCSW1-112112-R138651** Units: **µmhos/cm** Analysis Date: **11/21/2012 02:00 PM**

Client ID: Run ID: **WETCHEM_121121D** SeqNo: **3025518** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Specific Conductivity	1430	1.0	1413	0	101	80-120	0			

DUP Sample ID: **1211601-01CDUp** Units: **µmhos/cm** Analysis Date: **11/21/2012 02:00 PM**

Client ID: **WW Effluent** Run ID: **WETCHEM_121121D** SeqNo: **3025520** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Specific Conductivity	6620	1.0	0	0	0		6680	0.902	20	

The following samples were analyzed in this batch:

1211601-01C

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R138679 Instrument ID Balance1 Method: M2540C (Dissolve)

MBLK Sample ID: WBLK-112012-R138679 Units: mg/L Analysis Date: 11/20/2012 05:55 PM

Client ID: Run ID: BALANCE1_121120F SeqNo: 3026186 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	ND	10								

LCS Sample ID: WLCS-112012-R138679 Units: mg/L Analysis Date: 11/20/2012 05:55 PM

Client ID: Run ID: BALANCE1_121120F SeqNo: 3026187 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	998	10	1000	0	99.8	85-115	0			

DUP Sample ID: 1211577-03IDUP Units: mg/L Analysis Date: 11/20/2012 05:55 PM

Client ID: Run ID: BALANCE1_121120F SeqNo: 3026184 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	5400	10	0	0	0	0-0	5280	2.25	20	

DUP Sample ID: 1211483-01GDUP Units: mg/L Analysis Date: 11/20/2012 05:55 PM

C D: Run ID: BALANCE1_121120F SeqNo: 3026191 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	222	10	0	0	0	0-0	232	4.41	20	

The following samples were analyzed in this batch: 1211601-01D

Client: Navajo Refining Company
 Work Order: 1211601
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R138814 Instrument ID ICS3K2 Method: E300 (Dissolve)

MBLK Sample ID: WBLKW1-112612-R138814 Units: mg/L Analysis Date: 11/26/2012 10:04 AM

Client ID: Run ID: ICS3K2_121126A SeqNo: 3028326 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	ND	0.10								
Chloride	ND	0.50								
Fluoride	ND	0.10								
Sulfate	ND	0.50								
Surr: Selenate (surr)	4.799	0.10	5	0	96	85-115	0			

LCS Sample ID: WLCSW1-112612-R138814 Units: mg/L Analysis Date: 11/26/2012 10:25 AM

Client ID: Run ID: ICS3K2_121126A SeqNo: 3028328 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	3.66	0.10	4	0	91.5	90-110	0			
Chloride	18.27	0.50	20	0	91.3	90-110	0			
Fluoride	3.725	0.10	4	0	93.1	90-110	0			
Sulfate	20.11	0.50	20	0	101	90-110	0			
Surr: Selenate (surr)	4.685	0.10	5	0	93.7	85-115	0			

MS Sample ID: 1211504-01KMS Units: mg/L Analysis Date: 11/26/2012 11:34 AM

Client ID: Run ID: ICS3K2_121126A SeqNo: 3028331 Prep Date: DF: 5

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	10.06	0.50	10	1.398	86.6	80-120	0			
Chloride	177.7	2.5	50	130.5	94.3	80-120	0			
Fluoride	11	0.50	10	1.012	99.9	80-120	0			
Sulfate	86.21	2.5	50	35.79	101	80-120	0			
Surr: Selenate (surr)	24.45	0.50	25	0	97.8	85-115	0			

MSD Sample ID: 1211504-01KMSD Units: mg/L Analysis Date: 11/26/2012 11:56 AM

Client ID: Run ID: ICS3K2_121126A SeqNo: 3028333 Prep Date: DF: 5

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	10.04	0.50	10	1.398	86.4	80-120	10.06	0.169	20	
Chloride	178.1	2.5	50	130.5	95.1	80-120	177.7	0.231	20	
Fluoride	11.06	0.50	10	1.012	101	80-120	11	0.562	20	
Sulfate	87.14	2.5	50	35.79	103	80-120	86.21	1.08	20	
Surr: Selenate (surr)	24.88	0.50	25	0	99.5	85-115	24.45	1.75	20	

The following samples were analyzed in this batch:

1211601-01D

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 28-Nov-12

Client: Navajo Refining Company
Project: Injection Well Quarterly
WorkOrder: 1211601

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

<u>Units Reported</u>	<u>Description</u>
°F	Fahrenheit degrees
µmhos/cm	
mg/Kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
pH units	

ALS Environmental

Sample Receipt Checklist

Client Name: **NAVAJO REFINING**

Date/Time Received: **16-Nov-12 09:15**

Work Order: **1211601**

Received by: **RDN**

Checklist completed by *Parish M. Giga*
eSignature

17-Nov-12
Date

Reviewed by: *Sonia West*
eSignature

17-Nov-12
Date

Matrices: **Water**

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	<u>1.9c C/U</u>		<u>005</u>
Cooler(s)/Kit(s):	<u>4805</u>		
Date/Time sample(s) sent to storage:	<u>11/17/12 07:50</u>		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☒
pH adjusted by:	<u>-</u>		

Login Notes:

Client Contacted:

Date Contacted:

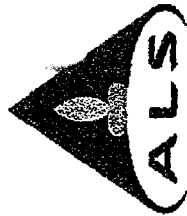
Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



ALS Laboratory Group
10450 Stancil Rd. #210
Houston, Texas 77099
(Tel) 281.530.5656
(Fax) 281.530.5887

Chain of Custody F

Page 1 of 1

1211601

NAVAJO REFINING: Navajo Refining Company

Project: Injection Well Quarterly



ALS Project Manager: Pat Lynch

Customer Information				Project Information													
Purchase Order	Project Name			Injection Well Quarterly													
Work Order	Project Number																
Company Name	Bill To Company			Navajo Refining Company													
Send Report To	Invoice Attn:			Aaron Strange													
Address	Address			501 East Main													
City/State/Zip	City/State/Zip			Artesia, New Mexico 88210													
Phone	Phone			(575) 748-3311													
Fax	Fax			(575) 746-5451													
e-Mail Address	e-Mail Address			Aaron.Strange@hollyfrontier.com													
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WW Effluent	11/15/12	9:55	Liquid	Yes	11	X	X	X	X	X	X	X	X	X	X	X
2	Trip Blank					2											
3	Temperature Blank					1											
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sample(s): Please Print & Sign		Shipment Method:		Required Turnaround Time:		Results Due Date:	
Aaron Strange		FedEx		☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour		☐ Other	
Relinquished by:	Date: 11/15/2012	Time: 16:15	Received by:	Notes:			
Relinquished by:	Date: 11/16/12	Time: 09:15	Received by (Laboratory):	Copier Temp:			
Logged by (Laboratory):	Date: 11/16/12	Time: 09:15	Checked by (Laboratory):	QC Package: (Check Box Below)			
Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035		Copier Temp:		Level II: Standard QC			
				Level III: Std QC + Raw Data			
				Level IV: SW846 CLP-Like			
				Other:			

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.

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**ALS Environmental**

10460 Standliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5856
Fax. +1 281 530 5887

CUSTODY SEAL

Date: 11-15-12 Time: 10:15
Name: ALSO S. + 1409 S
Company: VALKIO R-2.4.1510

Seal Broken By:

Date: 11/16/12

TRK#
0281

4967 8856 9917

FRI - 16 NOV A1
PRIORITY OVERNIGHT**AB SGRA**

77099

TX-US IAH



Part # 155148-434 R172 05/10

RT **254** 1
FZ **B03** **A**
9917
11.16

Client: ALS Environmental**Project:** 1211601**Work Order:** 1211609**Work Order Sample Summary**

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1211609-01	1211601-01H	Liquid		11/15/2012 09:55	11/20/2012 10:00	☐

Client: ALS Environmental
Project: 1211601
WorkOrder: 1211609

QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
SD	Serial Dilution
TDL	Target Detection Limit

<u>Units Reported</u>	<u>Description</u>
mg/Kg	Milligrams per Kilogram

ALS Group USA, Corp

Date: 26-Nov-12

Client: ALS Environmental
Project: 1211601
Sample ID: 1211601-01H
Collection Date: 11/15/2012 09:55 AM

Work Order: 1211609
Lab ID: 1211609-01
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
CYANIDE, REACTIVE Cyanide, Reactive	ND		SW7.3.3.2 40.0	mg/Kg	1	Analyst: EE 11/26/2012 01:00 PM
SULFIDE, REACTIVE Sulfide, Reactive	ND		SW7.3.4.2 40.0	mg/Kg	1	Analyst: EE 11/26/2012 01:00 PM

to: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 26-Nov-12

Client: ALS Environmental
Work Order: 1211609
Project: 1211601

QC BATCH REPORT

Batch ID: R112985 Instrument ID WETCHEM Method: SW7.3.4.2

MBLK	Sample ID: WBLKW1-112612-R112985				Units: mg/Kg		Analysis Date: 11/26/2012 01:00 PM			
Client ID:	Run ID: WETCHEM_1211261				SeqNo: 2149339		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sulfide, Reactive	ND	40								

The following samples were analyzed in this batch:

1211609-01A

Client: ALS Environmental
 Work Order: 1211609
 Project: 1211601

QC BATCH REPORT

Batch ID: R112987 Instrument ID WETCHEM Method: SW7.3.3.2

MBLK		Sample ID: WBLKW1-112612-R112987				Units: mg/Kg		Analysis Date: 11/26/2012 01:00 PM		
Client ID:		Run ID: WETCHEM_121126K				SeqNo: 2149355		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide, Reactive	ND	40								

LCS		Sample ID: WLCSW1-112612-R112987				Units: mg/Kg		Analysis Date: 11/26/2012 01:00 PM		
Client ID:		Run ID: WETCHEM_121126K				SeqNo: 2149356		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide, Reactive	220.2	40	250	0	88.1	75-125	0			

MS		Sample ID: 1211719-02A MS				Units: mg/Kg		Analysis Date: 11/26/2012 01:00 PM		
Client ID:		Run ID: WETCHEM_121126K				SeqNo: 2149363		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide, Reactive	249.1	40	250	14.62	93.8	50-150	0			

MSD		Sample ID: 1211719-02A MSD				Units: mg/Kg		Analysis Date: 11/26/2012 01:00 PM		
Client ID:		Run ID: WETCHEM_121126K				SeqNo: 2149364		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide, Reactive	249.1	40	250	14.62	93.8	50-150	249.1	0	35	

The following samples were analyzed in this batch:

1211609-01A



Subcontractor:
ALS Laboratory Group
3352 128th Ave.
Holland, MI 49424

TEL: (616) 399-6070
FAX: (616) 399-6185
Acct #:

CHAIN-OF-CUSTODY RECORD

Date: 17-Nov-12
COC ID: 12843
Due Date: 26-Nov-12

Page 1 of 1

Customer Information		Project Information		Parameter/Method Request for Analysis												
Purchase Order	Project Name	Project Number	1211601	A	B	C	D	E	F	G	H	I	J			
Work Order	Project Name	Project Number	1211601	A	B	C	D	E	F	G	H	I	J			
Company Name	ALS Group USA, Corp.	Bill To Company	ALS Group USA, Corp.	B	C	D	E	F	G	H	I	J				
Send Report To	Patricia L. Lynch	Inv Attn	Accounts Payable	C	D	E	F	G	H	I	J					
Address	10450 Stanciliff Rd, Suite 210	Address	10450 Stanciliff Rd, Suite 210	D	E	F	G	H	I	J						
City/State/Zip	Houston, Texas 77099-4338	City/State/Zip	Houston, Texas 77099-4338	E	F	G	H	I	J							
Phone	(281) 530-5656	Phone	(281) 530-5656	F	G	H	I	J								
Fax	(281) 530-5887	Fax	(281) 530-5887	G	H	I	J									
eMail Address	pat.lynch@alsglobal.com	eMail CC		H	I	J										
Sample ID	Matrix	Collection Date	24hr	Bottle	A	B	C	D	E	F	G	H	I	J		
1211601-01H (WW Effluent)	Liquid	15/Nov/2012 9:55	(1) 1LPNEAT	X	X											

Comments:

Please analyze for reactive cyanide & reactive sulfide. Due on 11/26/12. Send report to pat.lynch@alsglobal.com and cc: results to jumoke.lawal@alsglobal.com and luke.hernandez@alsglobal.com

0.8°c

Relinquished by:	Date/Time	Received by:	Date/Time	Cooler IDs	Report/QC Level
<i>[Signature]</i>	11/15/12 1800	<i>[Signature]</i>	11/20/12 1000		Std
Relinquished by:	Date/Time	Received by:	Date/Time		

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **ALS - HOUSTON**

Date/Time Received: **20-Nov-12 10:00**

Work Order: **1211609**

Received by: **KRW**

Checklist completed by Keith Waringa
eSignature

20-Nov-12
Date

Reviewed by: Bill Carey
eSignature

20-Nov-12
Date

Matrices: **Liquid**

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
tainer/Temp Blank temperature in compliance?	Yes ☒	No ☐	

Temperature(s)/Thermometer(s):

0.8 C

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage:

11/20/2012 10:45:35 AM

Water - VOA vials have zero headspace?

Yes ☐ No ☐ No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☒ No ☐ N/A ☐

pH adjusted?

Yes ☐ No ☒ N/A ☐

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

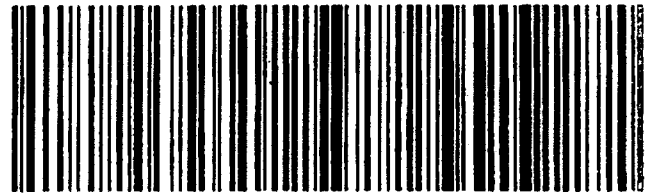
Person Contacted:

Contacted By:

Regarding:

Comments:

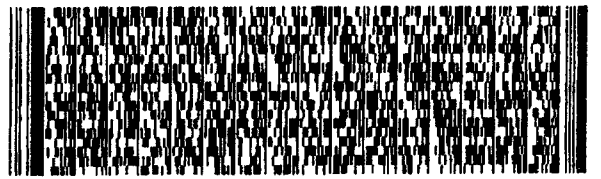
Corrective Action:



NA GRRA

MI-US GRRA
49424

TRK# 4340 2173 2403
TUE - 20 NOV A4
PRIORITY OVERNIGHT



HOLLAND MI 49424
REF: (616) 399-6070

LES ARNOLD
ALS ENVIRONMENTAL
3352 128TH AVE.

SHIP DATE: 19NOV12
ACTWGT: 18.1 LB
CAD: 300130/CAFE22606
BILL SENDER

Date: 19NOV12
Wgt: 18.04 LBS
SHIPPING: \$2.94
SPECIAL: 7.41
HANDLING: 0.00
TOTAL: 60.35

Sys: PRIORITY OVERNIGHT
TRK: 4340 2173 2403

SHIP ID: SGRA (281) 530-5656

IPPING DEPT
LABORATORY GROUP
10450 STANCLIFF
SUITE 210
HOUSTON, TX 77099
UNITED STATES US

412181210MS0125

Certificate of Analysis



SINCE 1985

Quality Controlled Through Analysis

10630 FALLSTONE RD. HOUSTON, TEXAS 77099
P.O. BOX 741905, HOUSTON, TEXAS 77274

TEL: (281) 495-2400

FAX: (281) 495-2410

CLIENT:	ALS Group USA, Corp.	REQUESTED BY:	Ms. Patricia Lynch
CLIENT PROJECT:	1211801	PURCHASE ORDER NO:	10-2124832
LABORATORY NO:	69113	REPORT DATE:	November 27, 2012
SAMPLE:	1211801-01G (WW Effluent)		

Gravity of Petroleum Products, Hydrometer Method, ASTM D 1298

	Results
Specific Gravity @ 71°F	1.002
Density, g/cm ³ @ 71°F	0.999

Respectfully submitted
For Texas OilTech Laboratories, L.P.

A. Phillip Sorurbakhsh
Director of Laboratory Operations

Cert. No. 0005085

Quality Management System Certified to ISO 9001:2008

These analyses, opinions or interpretations are based on material supplied by the client to whom, and for whose exclusive and confidential use this report is made. Texas OilTech Laboratories, Inc. and its officers assume no responsibility and make no warranty for proper operations of any petroleum, oil, gas or any other material in connection with which this report is used or relied on.





23-Oct-2012

Aaron Strange
Navajo Refining Company
PO Box 159
Artesia, NM 88211

Tel: (575) 748-6733
Fax: (575) 746-5421

Re: Injection Well Quarterly

Work Order: **1209741**

Dear Aaron,

ALS Environmental received 2 samples on 20-Sep-2012 09:10 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 53.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in cursive script that reads "Patricia L. Lynch".

Electronically approved by: Jumoke M. Lawal

Patricia L. Lynch
Project Manager



Certificate No: T104704231-09A-TX

ADDRESS 10450 Standliff Rd, Suite 210 Houston, Texas 77099-4338 | PHONE (281) 530-5656 | FAX (281) 530-5887

DO NOT WRITE IN THESE SPACES

Environmental

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

ALS Environmental

Date: 23-Oct-12

Client: Navajo Refining Company
Project: Injection Well Quarterly
Work Order: 1209741

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1209741-01	WW Effluent	Liquid		9/19/2012 09:30	9/20/2012 09:10	☐
1209741-01	WW Effluent	Liquid		9/19/2012 09:30	9/20/2012 09:10	☐
1209741-02	Trip Blank - 071712-98	Water		9/19/2012	9/20/2012 09:10	☐

Client: Navajo Refining Company**Project:** Injection Well Quarterly**Work Order:** 1209741**Case Narrative**

The temperature at the time of the pH measurement is reported. Please note that all pH results are already normalized to a temperature of 25 degrees C.

The result for pH (corrosivity) is flagged with H indicating that the holding time was exceeded. Per 40CFR136, the holding time for pH is "immediate."

Batch 64533, Metals, Sample 1209795-01: MS/MSD recoveries and duplicate RPD are for an unrelated sample.

Batch 64499, Metals, Sample 1209752-01: MS/MSD recoveries and duplicate RPDs are for an unrelated sample.

Batch R135700, Volatile Organics, Sample 1209697-03: MS/MSD recoveries are for an unrelated sample.

The analyses for reactivity were performed at ALS Environmental in Holland, MI.

The analyses for radium-226 and 228 were performed at ALS Environmental located in Burlington, Ontario.

ALS Environmental

Date: 23-Oct-12

Client: Navajo Refining Company

Project: Injection Well Quarterly

Sample ID: WW Effluent

Collection Date: 9/19/2012 09:30 AM

Work Order: 1209741

Lab ID: 1209741-01

Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
PCBS BY SW8082A			SW8082				Analyst: JLJ
Aroclor 1016	ND		0.500	µg/L	1	9/22/2012	9/25/2012 06:47 PM
Aroclor 1221	ND		0.500	µg/L	1	9/22/2012	9/25/2012 06:47 PM
Aroclor 1232	ND		0.500	µg/L	1	9/22/2012	9/25/2012 06:47 PM
Aroclor 1242	ND		0.500	µg/L	1	9/22/2012	9/25/2012 06:47 PM
Aroclor 1248	ND		0.500	µg/L	1	9/22/2012	9/25/2012 06:47 PM
Aroclor 1254	ND		0.500	µg/L	1	9/22/2012	9/25/2012 06:47 PM
Aroclor 1260	ND		0.500	µg/L	1	9/22/2012	9/25/2012 06:47 PM
Surr: Decachlorobiphenyl	59.8		54-140	%REC	1	9/22/2012	9/25/2012 06:47 PM
Surr: Tetrachloro-m-xylene	80.5		53-137	%REC	1	9/22/2012	9/25/2012 06:47 PM
MERCURY-SW7470A			SW7470				Analyst: JCJ
Mercury	ND		0.000200	mg/L	1	9/26/2012	9/26/2012 11:56 AM
METALS			SW6020				Analyst: ALR
Aluminum	1.11		0.0100	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Arsenic	0.0468		0.00500	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Barium	0.0182		0.00500	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Boron	0.253		0.100	mg/L	2	9/27/2012	9/27/2012 05:47 PM
Cadmium	ND		0.00200	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Chromium	ND		0.00500	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Cobalt	ND		0.00500	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Copper	0.0108		0.00500	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Iron	0.882		0.200	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Lead	ND		0.00500	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Manganese	0.0329		0.00500	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Molybdenum	0.243		0.00500	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Nickel	0.0112		0.00500	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Selenium	1.00		0.00500	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Silver	ND		0.00500	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Uranium	ND		0.00500	mg/L	1	9/26/2012	9/26/2012 10:06 PM
Zinc	0.0560		0.00500	mg/L	1	9/26/2012	9/26/2012 10:06 PM
LOW-LEVEL SEMIVOLATILES			SW8270				Analyst: LG
1-Methylnaphthalene	ND		0.20	µg/L	1	9/24/2012	9/24/2012 11:16 PM
2-Methylnaphthalene	ND		0.20	µg/L	1	9/24/2012	9/24/2012 11:16 PM
Benzo(a)pyrene	ND		0.20	µg/L	1	9/24/2012	9/24/2012 11:16 PM
Naphthalene	ND		0.20	µg/L	1	9/24/2012	9/24/2012 11:16 PM
Surr: 2,4,6-Tribromophenol	67.4		34-129	%REC	1	9/24/2012	9/24/2012 11:16 PM
Surr: 2-Fluorobiphenyl	65.4		40-125	%REC	1	9/24/2012	9/24/2012 11:16 PM
Surr: 2-Fluorophenol	72.7		20-120	%REC	1	9/24/2012	9/24/2012 11:16 PM
Surr: 4-Terphenyl-d14	90.0		40-135	%REC	1	9/24/2012	9/24/2012 11:16 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 23-Oct-12

Client: Navajo Refining Company
Project: Injection Well Quarterly
Sample ID: WW Effluent
Collection Date: 9/19/2012 09:30 AM

Work Order: 1209741
Lab ID: 1209741-01
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
Surr: Nitrobenzene-d5	72.0		41-120	%REC	1	9/24/2012	9/24/2012 11:16 PM
Surr: Phenol-d6	74.1		20-120	%REC	1	9/24/2012	9/24/2012 11:16 PM
VOLATILES - SW8260C			SW8260				Analyst: PC
1,1,1-Trichloroethane	ND		5.0	µg/L	1		9/26/2012 08:06 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1		9/26/2012 08:06 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1		9/26/2012 08:06 PM
1,1-Dichloroethane	ND		5.0	µg/L	1		9/26/2012 08:06 PM
1,1-Dichloroethene	ND		5.0	µg/L	1		9/26/2012 08:06 PM
1,2-Dibromoethane	ND		5.0	µg/L	1		9/26/2012 08:06 PM
1,2-Dichloroethane	ND		5.0	µg/L	1		9/26/2012 08:06 PM
Benzene	ND		5.0	µg/L	1		9/26/2012 08:06 PM
Carbon tetrachloride	ND		5.0	µg/L	1		9/26/2012 08:06 PM
Chloroform	ND		5.0	µg/L	1		9/26/2012 08:06 PM
Ethylbenzene	ND		5.0	µg/L	1		9/26/2012 08:06 PM
Methylene chloride	ND		10	µg/L	1		9/26/2012 08:06 PM
Tetrachloroethene	ND		5.0	µg/L	1		9/26/2012 08:06 PM
Toluene	ND		5.0	µg/L	1		9/26/2012 08:06 PM
Trichloroethene	ND		5.0	µg/L	1		9/26/2012 08:06 PM
Vinyl chloride	ND		2.0	µg/L	1		9/26/2012 08:06 PM
Xylenes, Total	ND		15	µg/L	1		9/26/2012 08:06 PM
Surr: 1,2-Dichloroethane-d4	90.6		70-125	%REC	1		9/26/2012 08:06 PM
Surr: 4-Bromofluorobenzene	95.5		72-125	%REC	1		9/26/2012 08:06 PM
Surr: Dibromofluoromethane	98.9		71-125	%REC	1		9/26/2012 08:06 PM
Surr: Toluene-d8	96.3		75-125	%REC	1		9/26/2012 08:06 PM
REACTIVE CYANIDE			SW-846				Analyst: HN
Reactive Cyanide	ND		40.0	mg/Kg	1		9/26/2012 12:00 PM
REACTIVE SULFIDE			SW-846				Analyst: HN
Reactive Sulfide	ND		40.0	mg/Kg	1		9/26/2012 12:00 PM
MISCELLANEOUS ANALYSIS			NA				Analyst: SUB
Miscellaneous Analysis	See Attached				1		10/19/2012
ANIONS - EPA 300.0 (1993)			E300				Analyst: JKP
Chloride	458		5.00	mg/L	10		9/26/2012 06:18 AM
Sulfate	3,460		50.0	mg/L	100		9/26/2012 09:24 PM
Surr: Selenate (surr)	98.7		85-115	%REC	10		9/26/2012 06:18 AM
Surr: Selenate (surr)	95.7		85-115	%REC	100		9/26/2012 09:24 PM
ALKALINITY-SM2320B			SM2320B				Analyst: RPM
Alkalinity, Bicarbonate (As CaCO3)	284		10.0	mg/L	1		9/27/2012 12:22 PM
Alkalinity, Carbonate (As CaCO3)	ND		10.0	mg/L	1		9/27/2012 12:22 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 23-Oct-12

Client: Navajo Refining Company

Project: Injection Well Quarterly

Sample ID: WW Effluent

Collection Date: 9/19/2012 09:30 AM

Work Order: 1209741

Lab ID: 1209741-01

Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
Alkalinity, Hydroxide (As CaCO3)	ND		10.0	mg/L	1		9/27/2012 12:22 PM
Alkalinity, Total (As CaCO3)	284		10.0	mg/L	1		9/27/2012 12:22 PM
CYANIDE - SM4500CN E			M4500CN E&G				Analyst: EDG
Cyanide	0.113		0.0200	mg/L	1		9/26/2012 11:00 AM
CONDUCTIVITY - EPA 120.1			E120.1				Analyst: VAN
Specific Conductance	8,370		1.00	µmhos/cm	1		9/25/2012 11:00 AM
IGNITIBILITY			SW1010				Analyst: KL
Ignitability	> 212		50.0	°F	1		9/22/2012 10:00 AM
PH - SM4500H+ B			SM4500H+ B				Analyst: KL
pH	7.33	H	0.100	pH Units	1		9/22/2012 12:00 PM
Temp Deg C @pH	20.6	H		°C	1		9/22/2012 12:00 PM
PHENOLICS - EPA 420.1			E420.1				Analyst: EDG
Phenolics, Total Recoverable	ND		0.0500	mg/L	1		9/27/2012 12:00 PM
TOTAL DISSOLVED SOLIDS			M2540C				Analyst: KAH
Total Dissolved Solids (Residue, Filterable)	6,140		10.0	mg/L	1		9/25/2012 03:00 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 23-Oct-12

Client: Navajo Refining Company
Work Order: 1209741
Frequency: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **64401** Instrument ID **ECD_7** Method: **SW8082**

MBLK		Sample ID: PBLKW3-120922-64401			Units: µg/L		Analysis Date: 9/24/2012 10:19 AM			
Client ID:		Run ID: ECD_7_120924A			SeqNo: 2952444		Prep Date: 9/22/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.50								
Aroclor 1221	ND	0.50								
Aroclor 1232	ND	0.50								
Aroclor 1242	ND	0.50								
Aroclor 1248	ND	0.50								
Aroclor 1254	ND	0.50								
Aroclor 1260	ND	0.50								
Surr: Decachlorobiphenyl	0.1561	0.050	0.2	0	78	54-140	0			
Surr: Tetrachloro-m-xylene	0.154	0.050	0.2	0	77	53-137	0			

LCS		Sample ID: PLCSW3-120922-64401			Units: µg/L		Analysis Date: 9/24/2012 10:34 AM			
Client ID:		Run ID: ECD_7_120924A			SeqNo: 2952445		Prep Date: 9/22/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	3.601	0.50	5	0	72	54-138	0			
Aroclor 1260	3.622	0.50	5	0	72.4	57-136	0			
Surr: Decachlorobiphenyl	0.1418	0.050	0.2	0	70.9	54-140	0			
Surr: Tetrachloro-m-xylene	0.1466	0.050	0.2	0	73.3	53-137	0			

LCSD		Sample ID: PLCSDW3-120922-64401			Units: µg/L		Analysis Date: 9/24/2012 10:49 AM			
Client ID:		Run ID: ECD_7_120924A			SeqNo: 2952446		Prep Date: 9/22/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	3.616	0.50	5	0	72.3	54-138	3.601	0.419	20	
Aroclor 1260	3.754	0.50	5	0	75.1	57-136	3.622	3.58	20	
Surr: Decachlorobiphenyl	0.1468	0.050	0.2	0	73.4	54-140	0.1418	3.42	20	
Surr: Tetrachloro-m-xylene	0.1449	0.050	0.2	0	72.4	53-137	0.1466	1.15	20	

The following samples were analyzed in this batch:

1209741-01G

Client: Navajo Refining Company
Work Order: 1209741
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 64478		Instrument ID Mercury			Method: SW7470					
MBLK		Sample ID: GBLKW1-092612-64478			Units: mg/L		Analysis Date: 9/26/2012 11:08 AM			
Client ID:		Run ID: MERCURY_120926A			SeqNo: 2957285		Prep Date: 9/26/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020								
LCS		Sample ID: GLCSW1-092612-64478			Units: mg/L		Analysis Date: 9/26/2012 11:13 AM			
Client ID:		Run ID: MERCURY_120926A			SeqNo: 2957287		Prep Date: 9/26/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00482	0.00020	0.005	0	96.4	85-115	0			
MS		Sample ID: 1209661-01CMS			Units: mg/L		Analysis Date: 9/26/2012 11:21 AM			
Client ID:		Run ID: MERCURY_120926A			SeqNo: 2957294		Prep Date: 9/26/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00461	0.00020	0.005	0	92.2	85-115	0			
MSD		Sample ID: 1209661-01CMSD			Units: mg/L		Analysis Date: 9/26/2012 11:23 AM			
Client ID:		Run ID: MERCURY_120926A			SeqNo: 2957295		Prep Date: 9/26/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00463	0.00020	0.005	0	92.6	85-115	0.00461	0.433	20	
DUP		Sample ID: 1209661-01CDUP			Units: mg/L		Analysis Date: 9/26/2012 11:19 AM			
Client ID:		Run ID: MERCURY_120926A			SeqNo: 2957291		Prep Date: 9/26/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020	0	0	0	0-0	0	0	20	

The following samples were analyzed in this batch:

1209741-01C

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 64499 Instrument ID ICPMS03 Method: SW6020

MBLK Sample ID: MBLKW2-092612-64499 Units: mg/L Analysis Date: 9/26/2012 08:25 PM

Client ID: Run ID: ICPMS03_120926A SeqNo: 2958290 Prep Date: 9/26/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.008563	0.010								J
Arsenic	ND	0.0050								
Barium	ND	0.0050								
Cadmium	ND	0.0020								
Chromium	ND	0.0050								
Cobalt	ND	0.0050								
Iron	ND	0.20								
Lead	0.001333	0.0050								J
Manganese	ND	0.0050								
Molybdenum	ND	0.0050								
Nickel	ND	0.0050								
Selenium	ND	0.0050								
Silver	ND	0.0050								
Uranium	ND	0.0050								
Zinc	0.004838	0.0050								J

MBLK Sample ID: MBLKW2-092612-64499 Units: mg/L Analysis Date: 9/27/2012 03:52 PM

Client ID: Run ID: ICPMS03_120927A SeqNo: 2959693 Prep Date: 9/26/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Copper	ND	0.0050								

LCS Sample ID: MLC SW2-092612-64499 Units: mg/L Analysis Date: 9/26/2012 08:30 PM

Client ID: Run ID: ICPMS03_120926A SeqNo: 2958291 Prep Date: 9/26/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1165	0.010	0.1	0	116	80-120	0			
Arsenic	0.0493	0.0050	0.05	0	98.6	80-120	0			
Barium	0.05486	0.0050	0.05	0	110	80-120	0			
Cadmium	0.05326	0.0020	0.05	0	107	80-120	0			
Chromium	0.04987	0.0050	0.05	0	99.7	80-120	0			
Cobalt	0.04931	0.0050	0.05	0	98.6	80-120	0			
Iron	4.994	0.20	5	0	99.9	80-120	0			
Lead	0.05114	0.0050	0.05	0	102	80-120	0			
Manganese	0.04891	0.0050	0.05	0	97.8	80-120	0			
Molybdenum	0.05169	0.0050	0.05	0	103	80-120	0			
Nickel	0.04993	0.0050	0.05	0	99.9	80-120	0			
Selenium	0.04902	0.0050	0.05	0	98	80-120	0			
Silver	0.05223	0.0050	0.05	0	104	80-120	0			
Uranium	0.09499	0.0050	0.1	0	95	80-120	0			
Zinc	0.05166	0.0050	0.05	0	103	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 64499 Instrument ID ICPMS03 Method: SW6020

LCS Sample ID: MLCSW2-092612-64499 Units: mg/L Analysis Date: 9/27/2012 03:57 PM

Client ID: Run ID: ICPMS03_120927A SeqNo: 2959694 Prep Date: 9/26/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Copper	0.0541	0.0050	0.05	0	108	80-120	0			

MS Sample ID: 1209752-01DMS Units: mg/L Analysis Date: 9/26/2012 08:49 PM

Client ID: Run ID: ICPMS03_120926A SeqNo: 2958295 Prep Date: 9/26/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	1.114	0.010	0.1	0.8954	219	80-120	0			SO
Arsenic	0.05973	0.0050	0.05	0.01046	98.5	80-120	0			
Barium	0.1772	0.0050	0.05	0.1276	99.2	80-120	0			
Cadmium	0.05217	0.0020	0.05	-0.0001141	105	80-120	0			
Chromium	0.05208	0.0050	0.05	0.005381	93.4	80-120	0			
Cobalt	0.05271	0.0050	0.05	0.006827	91.8	80-120	0			
Copper	0.0479	0.0050	0.05	0.002631	90.5	80-120	0			
Iron	7.521	0.20	5	2.91	92.2	80-120	0			
Lead	0.05872	0.0050	0.05	0.02165	74.1	80-120	0			S
Manganese	2.384	0.0050	0.05	2.455	-142	80-120	0			SEO
Molybdenum	0.05351	0.0050	0.05	0.002713	102	80-120	0			
Nickel	0.05745	0.0050	0.05	0.01299	88.9	80-120	0			
Selenium	0.05012	0.0050	0.05	0.0002906	99.7	80-120	0			
Silver	0.04856	0.0050	0.05	0.0002773	96.6	80-120	0			
Uranium	0.1033	0.0050	0.1	0.004138	99.2	80-120	0			
Zinc	0.07212	0.0050	0.05	0.06916	5.92	80-120	0			S

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 64499 Instrument ID ICPMS03 Method: SW6020

MSD Sample ID: 1209752-01DMSD Units: mg/L Analysis Date: 9/26/2012 08:54 PM

Client ID: Run ID: ICPMS03_120926A SeqNo: 2958296 Prep Date: 9/26/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	1.119	0.010	0.1	0.8954	224	80-120	1.114	0.448	15	SO
Arsenic	0.06087	0.0050	0.05	0.01046	101	80-120	0.05973	1.89	15	
Barium	0.1774	0.0050	0.05	0.1276	99.6	80-120	0.1772	0.113	15	
Cadmium	0.05172	0.0020	0.05	-0.0001141	104	80-120	0.05217	0.866	15	
Chromium	0.05187	0.0050	0.05	0.005381	93	80-120	0.05208	0.404	15	
Cobalt	0.05308	0.0050	0.05	0.006827	92.5	80-120	0.05271	0.699	15	
Copper	0.04857	0.0050	0.05	0.002631	91.9	80-120	0.0479	1.39	15	
Iron	7.556	0.20	5	2.91	92.9	80-120	7.521	0.464	15	
Lead	0.05893	0.0050	0.05	0.02165	74.6	80-120	0.05872	0.357	15	S
Manganese	2.43	0.0050	0.05	2.455	-50	80-120	2.384	1.91	15	SEO
Molybdenum	0.05185	0.0050	0.05	0.002713	98.3	80-120	0.05351	3.15	15	
Nickel	0.05678	0.0050	0.05	0.01299	87.6	80-120	0.05745	1.17	15	
Selenium	0.05093	0.0050	0.05	0.0002906	101	80-120	0.05012	1.6	15	
Silver	0.04747	0.0050	0.05	0.0002773	94.4	80-120	0.04856	2.27	15	
Uranium	0.1016	0.0050	0.1	0.004138	97.5	80-120	0.1033	1.66	15	
Zinc	0.07601	0.0050	0.05	0.06916	13.7	80-120	0.07212	5.25	15	S

Sample ID: 1209752-01DDUP

Units: mg/L

Analysis Date: 9/26/2012 08:39 PM

Client ID: Run ID: ICPMS03_120926A SeqNo: 2958293 Prep Date: 9/26/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.8229	0.010	0	0	0	0-0	0.8954	8.44	25	
Arsenic	0.01012	0.0050	0	0	0	0-0	0.01046	3.3	25	
Barium	0.1204	0.0050	0	0	0	0-0	0.1276	5.81	25	
Cadmium	ND	0.0020	0	0	0	0-0	-0.0001141	0	25	
Chromium	0.004977	0.0050	0	0	0	0-0	0.005381	0	25	J
Cobalt	0.00658	0.0050	0	0	0	0-0	0.006827	3.68	25	
Copper	0.002505	0.0050	0	0	0	0-0	0.002631	0	25	J
Iron	2.766	0.20	0	0	0	0-0	2.91	5.07	25	
Lead	0.01622	0.0050	0	0	0	0-0	0.02165	28.7	25	R
Molybdenum	0.002062	0.0050	0	0	0	0-0	0.002713	0	25	J
Nickel	0.01203	0.0050	0	0	0	0-0	0.01299	7.67	25	
Selenium	ND	0.0050	0	0	0	0-0	0.0002906	0	25	
Silver	ND	0.0050	0	0	0	0-0	0.0002773	0	25	
Uranium	ND	0.0050	0	0	0		0.004138	0	25	
Zinc	0.02174	0.0050	0	0	0	0-0	0.06916	104	25	R

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
Work Order: 1209741
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **64499** Instrument ID **ICPMS03** Method: **SW6020**

DUP Sample ID: **1209752-01DDUP** Units: **mg/L** Analysis Date: **9/27/2012 02:00 PM**

Client ID: Run ID: **ICPMS03_120927A** SeqNo: **2959282** Prep Date: **9/26/2012** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Manganese	2.628	0.050	0	0	0	0-0	2.502	4.91	25	

The following samples were analyzed in this batch:

1209741-01C

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 64533 Instrument ID ICPMS03 Method: SW6020

MBLK Sample ID: MBLKW1-092712-64533 Units: mg/L Analysis Date: 9/27/2012 05:28 PM

Client ID: Run ID: ICPMS03_120927A SeqNo: 2959991 Prep Date: 9/27/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.004095	0.010								J
Arsenic	ND	0.0050								
Barium	ND	0.0050								
Boron	ND	0.050								
Cadmium	ND	0.0020								
Chromium	ND	0.0050								
Cobalt	ND	0.0050								
Copper	ND	0.0050								
Iron	ND	0.20								
Lead	0.001339	0.0050								J
Manganese	ND	0.0050								
Molybdenum	ND	0.0050								
Nickel	ND	0.0050								
Selenium	ND	0.0050								
Silver	ND	0.0050								
Zinc	ND	0.0050								

L Sample ID: MLCSW1-092712-64533 Units: mg/L Analysis Date: 9/27/2012 05:33 PM

Client ID: Run ID: ICPMS03_120927A SeqNo: 2959992 Prep Date: 9/27/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1122	0.010	0.1	0	112	80-120	0			
Arsenic	0.05277	0.0050	0.05	0	106	80-120	0			
Barium	0.05551	0.0050	0.05	0	111	80-120	0			
Boron	0.4854	0.050	0.5	0	97.1	80-120	0			
Cadmium	0.05264	0.0020	0.05	0	105	80-120	0			
Chromium	0.05256	0.0050	0.05	0	105	80-120	0			
Cobalt	0.05238	0.0050	0.05	0	105	80-120	0			
Copper	0.05273	0.0050	0.05	0	105	80-120	0			
Iron	5.287	0.20	5	0	106	80-120	0			
Lead	0.0516	0.0050	0.05	0	103	80-120	0			
Manganese	0.05341	0.0050	0.05	0	107	80-120	0			
Molybdenum	0.05023	0.0050	0.05	0	100	80-120	0			
Nickel	0.05234	0.0050	0.05	0	105	80-120	0			
Selenium	0.05342	0.0050	0.05	0	107	80-120	0			
Silver	0.05089	0.0050	0.05	0	102	80-120	0			
Zinc	0.05609	0.0050	0.05	0	112	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 64533 Instrument ID ICPMS03 Method: SW6020

MS Sample ID: 1209795-01BMS Units: mg/L Analysis Date: 9/27/2012 06:07 PM

Client ID: Run ID: ICPMS03_120927A SeqNo: 2959999 Prep Date: 9/27/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	2.335	0.010	0.1	2.985	-650	80-120	0			SEO
Arsenic	0.05909	0.0050	0.05	0.002724	113	80-120	0			
Barium	0.2581	0.0050	0.05	0.2086	99	80-120	0			O
Boron	1.928	0.050	0.5	1.265	133	80-120	0			SE
Cadmium	0.05312	0.0020	0.05	0.00004071	106	80-120	0			
Chromium	0.05706	0.0050	0.05	0.004623	105	80-120	0			
Cobalt	0.05307	0.0050	0.05	0.001284	104	80-120	0			
Copper	0.05214	0.0050	0.05	0.001405	101	80-120	0			
Iron	7.089	0.20	5	1.784	106	80-120	0			
Lead	0.05252	0.0050	0.05	0.003686	97.7	80-120	0			
Manganese	0.126	0.0050	0.05	0.07233	107	80-120	0			
Molybdenum	0.05943	0.0050	0.05	0.009966	98.9	80-120	0			
Nickel	0.05865	0.0050	0.05	0.01165	94	80-120	0			
Selenium	0.0575	0.0050	0.05	0.0009498	113	80-120	0			
Silver	0.0494	0.0050	0.05	0.0003613	98.1	80-120	0			
Zinc	0.06306	0.0050	0.05	0.00818	110	80-120	0			

MSD Sample ID: 1209795-01BMSD Units: mg/L Analysis Date: 9/27/2012 06:11 PM

Client ID: Run ID: ICPMS03_120927A SeqNo: 2960000 Prep Date: 9/27/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	2.668	0.010	0.1	2.985	-317	80-120	2.335	13.3	15	SEO
Arsenic	0.05867	0.0050	0.05	0.002724	112	80-120	0.05909	0.713	15	
Barium	0.2572	0.0050	0.05	0.2086	97.2	80-120	0.2581	0.349	15	O
Boron	1.942	0.050	0.5	1.265	135	80-120	1.928	0.724	15	SE
Cadmium	0.05189	0.0020	0.05	0.00004071	104	80-120	0.05312	2.34	15	
Chromium	0.05721	0.0050	0.05	0.004623	105	80-120	0.05706	0.263	15	
Cobalt	0.05366	0.0050	0.05	0.001284	105	80-120	0.05307	1.11	15	
Copper	0.05328	0.0050	0.05	0.001405	104	80-120	0.05214	2.16	15	
Iron	7.16	0.20	5	1.784	108	80-120	7.089	0.997	15	
Lead	0.05195	0.0050	0.05	0.003686	96.5	80-120	0.05252	1.09	15	
Manganese	0.1249	0.0050	0.05	0.07233	105	80-120	0.126	0.877	15	
Molybdenum	0.05917	0.0050	0.05	0.009966	98.4	80-120	0.05943	0.438	15	
Nickel	0.05912	0.0050	0.05	0.01165	94.9	80-120	0.05865	0.798	15	
Selenium	0.05719	0.0050	0.05	0.0009498	112	80-120	0.0575	0.541	15	
Silver	0.04839	0.0050	0.05	0.0003613	96.1	80-120	0.0494	2.07	15	
Zinc	0.06441	0.0050	0.05	0.00818	112	80-120	0.06306	2.12	15	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 64533 Instrument ID ICPMS03 Method: SW6020

DUP Sample ID: 1209795-01BDUP Units: mg/L Analysis Date: 9/27/2012 05:57 PM

Client ID: Run ID: ICPMS03_120927A SeqNo: 2959997 Prep Date: 9/27/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	2.409	0.010	0	0	0	0-0	2.985	21.4	25	E
Arsenic	0.002695	0.0050	0	0	0	0-0	0.002724	0	25	J
Barium	0.2071	0.0050	0	0	0	0-0	0.2086	0.722	25	
Boron	1.338	0.050	0	0	0	0-0	1.265	5.61	25	
Cadmium	ND	0.0020	0	0	0	0-0	0.00004071	0	25	
Chromium	0.00397	0.0050	0	0	0	0-0	0.004623	0	25	J
Cobalt	0.001393	0.0050	0	0	0	0-0	0.001284	0	25	J
Copper	ND	0.0050	0	0	0	0-0	0.001405	0	25	
Iron	1.736	0.20	0	0	0	0-0	1.784	2.73	25	
Lead	0.002311	0.0050	0	0	0	0-0	0.003686	0	25	J
Manganese	0.07259	0.0050	0	0	0	0-0	0.07233	0.359	25	
Molybdenum	0.009482	0.0050	0	0	0	0-0	0.009966	4.98	25	
Nickel	0.007492	0.0050	0	0	0	0-0	0.01165	43.4	25	R
Selenium	ND	0.0050	0	0	0	0-0	0.0009498	0	25	
Silver	ND	0.0050	0	0	0	0-0	0.0003613	0	25	
Zinc	0.006838	0.0050	0	0	0	0-0	0.00818	17.9	25	

1 Following samples were analyzed in this batch: 1209741-01C

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 64413 Instrument ID SV-6 Method: SW8270

MBLK Sample ID: SBLKW1-120924-64413 Units: µg/L Analysis Date: 9/24/2012 03:57 PM

Client ID: Run ID: SV-6_120924B SeqNo: 2955756 Prep Date: 9/24/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	ND	0.20								
2-Methylnaphthalene	ND	0.20								
Benzo(a)pyrene	ND	0.20								
Naphthalene	ND	0.20								
Surr: 2,4,6-Tribromophenol	3.821	0.20	5	0	76.4	34-129	0			
Surr: 2-Fluorobiphenyl	4.387	0.20	5	0	87.7	40-125	0			
Surr: 2-Fluorophenol	4.244	0.20	5	0	84.9	20-120	0			
Surr: 4-Terphenyl-d14	4.923	0.20	5	0	98.5	40-135	0			
Surr: Nitrobenzene-d5	4.315	0.20	5	0	86.3	41-120	0			
Surr: Phenol-d6	4.333	0.20	5	0	86.7	20-120	0			

LCS Sample ID: SLCSW1-120924-64413 Units: µg/L Analysis Date: 9/24/2012 04:17 PM

Client ID: Run ID: SV-6_120924B SeqNo: 2955757 Prep Date: 9/24/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	4.565	0.20	5	0	91.3	45-120	0			
2-Methylnaphthalene	4.528	0.20	5	0	90.6	50-120	0			
Benzo(a)pyrene	4.632	0.20	5	0	92.6	45-120	0			
Naphthalene	4.581	0.20	5	0	91.6	45-120	0			
Surr: 2,4,6-Tribromophenol	4.311	0.20	5	0	86.2	34-129	0			
Surr: 2-Fluorobiphenyl	4.449	0.20	5	0	89	40-125	0			
Surr: 2-Fluorophenol	4.363	0.20	5	0	87.3	20-120	0			
Surr: 4-Terphenyl-d14	5.15	0.20	5	0	103	40-135	0			
Surr: Nitrobenzene-d5	4.525	0.20	5	0	90.5	41-120	0			
Surr: Phenol-d6	4.465	0.20	5	0	89.3	20-120	0			

LCSD Sample ID: SLCSW1-120924-64413 Units: µg/L Analysis Date: 9/24/2012 04:37 PM

Client ID: Run ID: SV-6_120924B SeqNo: 2955758 Prep Date: 9/24/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	4.266	0.20	5	0	85.3	45-120	4.565	6.76	20	
2-Methylnaphthalene	4.253	0.20	5	0	85.1	50-120	4.528	6.25	20	
Benzo(a)pyrene	4.24	0.20	5	0	84.8	45-120	4.632	8.83	20	
Naphthalene	4.297	0.20	5	0	85.9	45-120	4.581	6.42	20	
Surr: 2,4,6-Tribromophenol	4.014	0.20	5	0	80.3	34-129	4.311	7.12	0	
Surr: 2-Fluorobiphenyl	4.31	0.20	5	0	86.2	40-125	4.449	3.18	0	
Surr: 2-Fluorophenol	4.253	0.20	5	0	85.1	20-120	4.363	2.56	0	
Surr: 4-Terphenyl-d14	4.76	0.20	5	0	95.2	40-135	5.15	7.86	0	
Surr: Nitrobenzene-d5	4.229	0.20	5	0	84.6	41-120	4.525	6.77	0	
Surr: Phenol-d6	4.266	0.20	5	0	85.3	20-120	4.465	4.56	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
Work Order: 1209741
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **64413** Instrument ID **SV-6** Method: **SW8270**

The following samples were analyzed in this batch:

1209741-01F

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **R135700** Instrument ID **VOA1** Method: **SW8260**

MBLK Sample ID: **VBLKW-092612-R135700** Units: **µg/L** Analysis Date: **9/26/2012 12:32 PM**
 Client ID: Run ID: **VOA1_120926B** SeqNo: **2958657** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichloroethane	ND	5.0								
Benzene	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chloroform	ND	5.0								
Ethylbenzene	ND	5.0								
Methylene chloride	ND	10								
Tetrachloroethene	ND	5.0								
Toluene	ND	5.0								
Trichloroethene	ND	5.0								
Vinyl chloride	ND	2.0								
Xylenes, Total	ND	15								
Surr: 1,2-Dichloroethane-d4	43.36	5.0	50	0	86.7	70-125	0			
Surr: 4-Bromofluorobenzene	47.81	5.0	50	0	95.6	72-125	0			
Surr: Dibromofluoromethane	47.93	5.0	50	0	95.9	71-125	0			
Surr: Toluene-d8	48.66	5.0	50	0	97.3	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R135700 Instrument ID VOA1 Method: SW8260

LCS Sample ID: VLCSW-092612-R135700 Units: µg/L Analysis Date: 9/26/2012 11:39 AM

Client ID: Run ID: VOA1_120926B SeqNo: 2958655 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	47.08	5.0	50	0	94.2	80-120	0			
1,1,2,2-Tetrachloroethane	42.58	5.0	50	0	85.2	72-120	0			
1,1,2-Trichloroethane	48.84	5.0	50	0	97.7	80-120	0			
1,1-Dichloroethane	45.53	5.0	50	0	91.1	76-120	0			
1,1-Dichloroethene	48.12	5.0	50	0	96.2	73-124	0			
1,2-Dibromoethane	49.75	5.0	50	0	99.5	80-120	0			
1,2-Dichloroethane	48.32	5.0	50	0	96.6	78-120	0			
Benzene	50.08	5.0	50	0	100	73-121	0			
Carbon tetrachloride	50.17	5.0	50	0	100	75-124	0			
Chloroform	45.44	5.0	50	0	90.9	80-120	0			
Ethylbenzene	47.49	5.0	50	0	95	80-120	0			
Methylene chloride	42.74	10	50	0	85.5	65-133	0			
Tetrachloroethene	52.05	5.0	50	0	104	79-120	0			
Toluene	45.45	5.0	50	0	90.9	80-120	0			
Trichloroethene	54.99	5.0	50	0	110	80-120	0			
Vinyl chloride	53.87	2.0	50	0	108	70-127	0			
X s, Total	154.3	15	150	0	103	80-120	0			
1,2-Dichloroethane-d4	42.46	5.0	50	0	84.9	70-125	0			
Surr: 4-Bromofluorobenzene	50.15	5.0	50	0	100	72-125	0			
Surr: Dibromofluoromethane	47.08	5.0	50	0	94.2	71-125	0			
Surr: Toluene-d8	47.91	5.0	50	0	95.8	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
Work Order: 1209741
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **R135700** Instrument ID **VOA1** Method: **SW8260**

MS		Sample ID: 1209697-03ZMS				Units: µg/L		Analysis Date: 9/26/2012 02:46 PM			
Client ID:		Run ID: VOA1_120926B				SeqNo: 2958659		Prep Date:		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	3932	500	5000	0	78.6	80-120	0			S	
1,1,2,2-Tetrachloroethane	4384	500	5000	0	87.7	72-120	0				
1,1,2-Trichloroethane	4779	500	5000	0	95.6	80-120	0				
1,1-Dichloroethane	3934	500	5000	0	78.7	76-120	0				
1,1-Dichloroethene	3687	500	5000	0	73.7	73-124	0				
1,2-Dibromoethane	5053	500	5000	0	101	80-120	0				
1,2-Dichloroethane	4743	500	5000	0	94.9	78-120	0				
Benzene	5347	500	5000	590.7	95.1	73-121	0				
Carbon tetrachloride	3860	500	5000	0	77.2	75-124	0				
Chloroform	4120	500	5000	0	82.4	80-120	0				
Ethylbenzene	5467	500	5000	844.3	92.5	80-120	0				
Methylene chloride	4342	1,000	5000	0	86.8	65-133	0				
Tetrachloroethene	4582	500	5000	0	91.6	79-120	0				
Toluene	8238	500	5000	3552	93.7	80-120	0				
Trichloroethene	4936	500	5000	0	98.7	80-120	0				
Vinyl chloride	5105	200	5000	0	102	70-127	0				
Xylenes, Total	19420	1,500	15000	5792	90.8	80-120	0				
Surr: 1,2-Dichloroethane-d4	4263	500	5000	0	85.3	70-125	0				
Surr: 4-Bromofluorobenzene	5059	500	5000	0	101	72-125	0				
Surr: Dibromofluoromethane	4653	500	5000	0	93.1	71-125	0				
Surr: Toluene-d8	4691	500	5000	0	93.8	75-125	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R135700 Instrument ID VOA1 Method: SW8260

MSD Sample ID: 1209697-03ZMSD Units: µg/L Analysis Date: 9/26/2012 03:13 PM

Client ID: Run ID: VOA1_120926B SeqNo: 2958660 Prep Date: DF: 100

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	3891	500	5000	0	77.8	80-120	3932	1.06	20	S
1,1,2,2-Tetrachloroethane	4181	500	5000	0	83.6	72-120	4384	4.74	20	
1,1,2-Trichloroethane	4597	500	5000	0	91.9	80-120	4779	3.89	20	
1,1-Dichloroethane	3820	500	5000	0	76.4	76-120	3934	2.93	20	
1,1-Dichloroethene	3484	500	5000	0	69.7	73-124	3687	5.67	20	S
1,2-Dibromoethane	4983	500	5000	0	99.7	80-120	5053	1.39	20	
1,2-Dichloroethane	4371	500	5000	0	87.4	78-120	4743	8.18	20	
Benzene	4842	500	5000	590.7	85	73-121	5347	9.91	20	
Carbon tetrachloride	3597	500	5000	0	71.9	75-124	3860	7.05	20	S
Chloroform	4137	500	5000	0	82.7	80-120	4120	0.403	20	
Ethylbenzene	5080	500	5000	844.3	84.7	80-120	5467	7.34	20	
Methylene chloride	4101	1,000	5000	0	82	65-133	4342	5.71	20	
Tetrachloroethene	4424	500	5000	0	88.5	79-120	4582	3.51	20	
Toluene	7633	500	5000	3552	81.6	80-120	8238	7.62	20	
Trichloroethene	4607	500	5000	0	92.1	80-120	4936	6.89	20	
Vinyl chloride	4638	200	5000	0	92.8	70-127	5105	9.58	20	
Ys, Total	18910	1,500	15000	5792	87.5	80-120	19420	2.63	20	
Surr: 1,2-Dichloroethane-d4	4267	500	5000	0	85.3	70-125	4263	0.0901	20	
Surr: 4-Bromofluorobenzene	4957	500	5000	0	99.1	72-125	5059	2.03	20	
Surr: Dibromofluoromethane	4674	500	5000	0	93.5	71-125	4653	0.441	20	
Surr: Toluene-d8	4519	500	5000	0	90.4	75-125	4691	3.73	20	

The following samples were analyzed in this batch:

1209741-01A

Client: Navajo Refining Company
Work Order: 1209741
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R135401		Instrument ID WetChem		Method: SW1010		(Dissolve)				
LCS		Sample ID: WLC SW1-120922-R135401			Units: °F		Analysis Date: 9/22/2012 10:00 AM			
Client ID:		Run ID: WETCHEM_120922A			SeqNo: 2951469		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ignitability	86	50	84	()	102	80-120	0			
DUP		Sample ID: 1209741-01EDUP			Units: °F		Analysis Date: 9/22/2012 10:00 AM			
Client ID: WW Effluent		Run ID: WETCHEM_120922A			SeqNo: 2951473		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ignitability	ND	50	0	()	0	0-0	0	0	25	
The following samples were analyzed in this batch:				1209741-01E						

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
Work Order: 1209741
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **R135403** Instrument ID **WetChem** Method: **SM4500H+ B (Dissolve)**

LCS Sample ID: **WLCSW1-120922-R135403** Units: **pH Units** Analysis Date: **9/22/2012 12:00 PM**

Client ID: Run ID: **WETCHEM_120922C** SeqNo: **2951480** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.04	0.10	6	0	101	90-110	0			

DUP Sample ID: **1209741-01EDUP** Units: **pH Units** Analysis Date: **9/22/2012 12:00 PM**

Client ID: **WW Effluent** Run ID: **WETCHEM_120922C** SeqNo: **2951483** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.36	0.10	0	0	0	0-0	7.33	0.408	20	H
Temp Deg C @pH	20.5	0	0	0	0		20.6	0.487		H

The following samples were analyzed in this batch:

1209741-01E

Client: Navajo Refining Company
Work Order: 1209741
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **R135521** Instrument ID **WetChem** Method: **E120.1** (Dissolve)

MBLK Sample ID: **WBLKW1-092512-R135521** Units: **µmhos/cm** Analysis Date: **9/25/2012 11:00 AM**

Client ID: Run ID: **WETCHEM_120925B** SeqNo: **2954232** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Specific Conductance	ND	1.0								

LCS Sample ID: **WLCSW1-092512-R135521** Units: **µmhos/cm** Analysis Date: **9/25/2012 11:00 AM**

Client ID: Run ID: **WETCHEM_120925B** SeqNo: **2954233** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Specific Conductance	1380	1.0	1413	0	97.7	80-120	0			

DUP Sample ID: **1209741-01EDUP** Units: **µmhos/cm** Analysis Date: **9/25/2012 11:00 AM**

Client ID: **WW Effluent** Run ID: **WETCHEM_120925B** SeqNo: **2954236** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Specific Conductance	8420	1.0	0	0	0	0-0	8370	0.596	20	

The following samples were analyzed in this batch:

1209741-01E

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R135641 Instrument ID ICS3000 Method: E300 (Dissolve)

MBLK Sample ID: WBLKW1-R135641 Units: mg/L Analysis Date: 9/25/2012 11:55 PM

Client ID: Run ID: ICS3000_120925A SeqNo: 2957148 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	ND	0.50								
Surr: Selenate (surr)	4.743	0.10	5	0	94.9	85-115	0			

LCS Sample ID: WLCSW1-R135641 Units: mg/L Analysis Date: 9/26/2012 12:16 AM

Client ID: Run ID: ICS3000_120925A SeqNo: 2957151 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.22	0.50	20	0	101	90-110	0			
Surr: Selenate (surr)	4.524	0.10	5	0	90.5	85-115	0			

MS Sample ID: 1209741-01DMS Units: mg/L Analysis Date: 9/26/2012 06:39 AM

Client ID: WW Effluent Run ID: ICS3000_120925A SeqNo: 2957194 Prep Date: DF: 10

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	539.9	5.0	100	457.6	82.3	80-120	0			O
Selenate (surr)	48.23	1.0	50	0	96.5	85-115	0			

MSD Sample ID: 1209741-01DMSD Units: mg/L Analysis Date: 9/26/2012 07:01 AM

Client ID: WW Effluent Run ID: ICS3000_120925A SeqNo: 2957197 Prep Date: DF: 10

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	540.7	5.0	100	457.6	83.2	80-120	539.9	0.154	20	O
Surr: Selenate (surr)	48.35	1.0	50	0	96.7	85-115	48.23	0.246	20	

The following samples were analyzed in this batch:

1209741-01D

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R135645 Instrument ID UV-2450 Method: M4500CN E&G (Dissolve)

MBLK Sample ID: WBLKW1-092612-R135645 Units: mg/L Analysis Date: 9/26/2012 11:00 AM

Client ID: Run ID: UV-2450_120926C SeqNo: 2957222 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide	0.004	0.020								J

LCS Sample ID: WLC SW1-092612-R135645 Units: mg/L Analysis Date: 9/26/2012 11:00 AM

Client ID: Run ID: UV-2450_120926C SeqNo: 2957223 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide	0.194	0.020	0.2	0	97	80-120	0			

LCSD Sample ID: WLCSDW1-092612-R135645 Units: mg/L Analysis Date: 9/26/2012 11:00 AM

Client ID: Run ID: UV-2450_120926C SeqNo: 2957230 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide	0.196	0.020	0.2	0	98	80-120	0.194	1.03	20	

MS Sample ID: 1209616-01CMS Units: mg/L Analysis Date: 9/26/2012 11:00 AM

Client ID: Run ID: UV-2450_120926C SeqNo: 2957229 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide	0.188	0.020	0.2	0.007	90.5	80-120	0			

The following samples were analyzed in this batch:

1209741-01B

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Balance ID: **R135668** Instrument ID **Balance1** Method: **M2540C** (Dissolve)

MBLK Sample ID: **WBLK-092512-R135668** Units: **mg/L** Analysis Date: **9/25/2012 03:00 PM**
 Client ID: Run ID: **BALANCE1_120925H** SeqNo: **2957699** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	ND	10								

LCS Sample ID: **WLCS-092512-R135668** Units: **mg/L** Analysis Date: **9/25/2012 03:00 PM**
 Client ID: Run ID: **BALANCE1_120925H** SeqNo: **2957700** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	1002	10	1000	0	100	85-115	0			

DUP Sample ID: **1209603-01HDUP** Units: **mg/L** Analysis Date: **9/25/2012 03:00 PM**
 Client ID: Run ID: **BALANCE1_120925H** SeqNo: **2957679** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	1052	10	0	0	0	0-0	1052	0	20	

DUP Sample ID: **1209759-02CDUP** Units: **mg/L** Analysis Date: **9/25/2012 03:00 PM**
 Client ID: Run ID: **BALANCE1_120925H** SeqNo: **2957695** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	748	10	0	0	0	0-0	744	0.536	20	

The following samples were analyzed in this batch:

1209741-01D

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R135704		Instrument ID ICS3000		Method: E300		(Dissolve)				
MBLK		Sample ID: WBLKW1-R135704			Units: mg/L		Analysis Date: 9/26/2012 02:40 PM			
Client ID:		Run ID: ICS3000_120926A			SeqNo: 2958696		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sulfate	ND	0.50								
Surr: Selenate (surr)	4.747	0.10	5	0	94.9	85-115	0			
LCS		Sample ID: WLCSW1-R135704			Units: mg/L		Analysis Date: 9/26/2012 03:01 PM			
Client ID:		Run ID: ICS3000_120926A			SeqNo: 2958697		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sulfate	18.24	0.50	20	0	91.2	90-110	0			
Surr: Selenate (surr)	4.527	0.10	5	0	90.5	85-115	0			
MS		Sample ID: 1209752-09CMS			Units: mg/L		Analysis Date: 9/26/2012 08:42 PM			
Client ID:		Run ID: ICS3000_120926A			SeqNo: 2958719		Prep Date:		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sulfate	1075	50	1000	48.63	103	80-120	0			
Surr: Selenate (surr)	484.6	10	500	0	96.9	85-115	0			
MSD		Sample ID: 1209752-09CMSD			Units: mg/L		Analysis Date: 9/26/2012 09:03 PM			
Client ID:		Run ID: ICS3000_120926A			SeqNo: 2958721		Prep Date:		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sulfate	1080	50	1000	48.63	103	80-120	1075	0.428	20	
Surr: Selenate (surr)	486.1	10	500	0	97.2	85-115	484.6	0.313	20	
The following samples were analyzed in this batch:				1209741-01D						

Client: Navajo Refining Company
Work Order: 1209741
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **R135767** Instrument ID **ManTech01** Method: **SM2320B** (Dissolve)

MBLK Sample ID: **WBLKW1-092712-R135767** Units: **mg/L** Analysis Date: **9/27/2012 12:09 PM**

Client ID: Run ID: **MANTECH01_120927A** SeqNo: **2959446** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	10								
Alkalinity, Carbonate (As CaCO3)	ND	10								
Alkalinity, Hydroxide (As CaCO3)	ND	10								
Alkalinity, Total (As CaCO3)	ND	10								

LCS Sample ID: **WLCSW1-092712-R135767** Units: **mg/L** Analysis Date: **9/27/2012 12:16 PM**

Client ID: Run ID: **MANTECH01_120927A** SeqNo: **2959447** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	1005	10	1000		0	101	80-120	0		

DUP Sample ID: **1209741-01DDUP** Units: **mg/L** Analysis Date: **9/27/2012 12:27 PM**

Client ID: **WW Effluent** Run ID: **MANTECH01_120927A** SeqNo: **2959449** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	282.7	10	0	0	0	0-0	283.8	0.402	0	
Alkalinity, Carbonate (As CaCO3)	ND	10	0	0	0	0-0	0	0	0	
Alkalinity, Hydroxide (As CaCO3)	ND	10	0	0	0	0-0	0	0	0	
Alkalinity, Total (As CaCO3)	282.7	10	0	0	0	0-0	283.8	0.402	20	

The following samples were analyzed in this batch:

1209741-01D

Client: Navajo Refining Company
 Work Order: 1209741
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R135772		Instrument ID UV-2450			Method: E420.1		(Dissolve)			
MBLK		Sample ID: WBLKW1-092712-R135772				Units: mg/L		Analysis Date: 9/27/2012 12:00 PM		
Client ID:		Run ID: UV-2450_120927B				SeqNo: 2959542		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phenolics, Total Recoverable		ND	0.050							
LCS		Sample ID: WLC SW1-092712-R135772				Units: mg/L		Analysis Date: 9/27/2012 12:00 PM		
Client ID:		Run ID: UV-2450_120927B				SeqNo: 2959543		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phenolics, Total Recoverable		0.501	0.050	0.5	0	100	80-120	0		
LCSD		Sample ID: WLCSDW1-092712-R135772				Units: mg/L		Analysis Date: 9/27/2012 12:00 PM		
Client ID:		Run ID: UV-2450_120927B				SeqNo: 2959553		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phenolics, Total Recoverable		0.508	0.050	0.5	0	102	80-120	0.501	1.39	20
MS		Sample ID: 1209741-01HMS				Units: mg/L		Analysis Date: 9/27/2012 12:00 PM		
Client ID: WW Effluent		Run ID: UV-2450_120927B				SeqNo: 2959550		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phenolics, Total Recoverable		0.458	0.050	0.5	0.04	83.6	80-120	0		
The following samples were analyzed in this batch:				1209741-01H						

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

<u>Units Reported</u>	<u>Description</u>
°C	Celsius degrees
°F	Fahrenheit degrees
µg/L	Micrograms per Liter
µmhos/cm	
mg/Kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
pH Units	

ALS Environmental

Sample Receipt Checklist

Client Name: **NAVAJO REFINING**

Date/Time Received: **20-Sep-12 09:10**

Work Order: **1209741**

Received by: **RNG**

Checklist completed by *Rick D. Naran* 24-Sep-12
eSignature Date

Reviewed by: *Patricia L. Lynch* 24-Sep-12
eSignature Date

Matrices: water

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☒	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	<u>3.3c u/c</u> <u>004</u>		
Cooler(s)/Kit(s):	<u>2592</u>		
Date/Time sample(s) sent to storage:	<u>9/21 15:15</u>		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☒	N/A ☐
pH adjusted by:	<u></u>		

Login Notes: Client used old chain logged samples in with information on the bottles. Sample Id: WWW Effluent Date and Time: 9/12/12 09:30

Client Contacted:

Date Contacted:

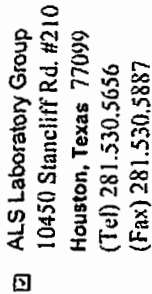
Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:



Chain of Custody Form

Page 1 of 1

1209741

NAVAJO REFINING: Navajo Refining Company

Project: Injection Well Quarterly

Customer Information				Project Information				ALS Project Manager: Pat Lynch											
Purchase Order				Project Name				Injection Well Quarterly				A VOC (8260) Select							
Work Order				Project Number								B SVOC (8270) Select							
Company Name				Navajo Refining Company				Bill To Company				Navajo Refining Company				C Total Metals (6020 / 7000) Select			
Send Report To				Aaron Strange				Invoice Attn:				Aaron Strange				D R.C.I. Profile			
Address				P. O. Box 159				Address				501 East Main				E Anions (300) Cl, SO4			
City/State/Zip				Artesia, New Mexico 88211-0159				City/State/Zip				Artesia, New Mexico 88210				F Alkalinity			
Phone				(575) 748-3311				Phone				(575) 748-3311				G pH			
Fax				(575) 746-5451				Fax				(575) 746-5451				H Conductivity			
e-Mail Address				Aaron.Strange@hollyfronier.com				e-Mail Address				Aaron.Strange@hollyfronier.com				I TDS			
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold		
1	Injection Well Missed / Late TDS	7/19/12	14:46	Liquid	Yes	6	X	X	X	X	X	X	X	X	X	X	X		
2	Trip Blank					2													
3	Temperature Blank					1													
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Relinquished by: *Aaron Strange*

Relinquished by: *Aaron Strange*

Date: 9/19/2012

Date: 9/19/2012

Time: 16:15

Time: 16:15

Relinquished by: *Aaron Strange*

Relinquished by: *Aaron Strange*

Date: 9/19/2012

Date: 9/19/2012

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Time: 16:15

Time: 16:15

Relinquished by: *Aaron Strange*

Relinquished by: *Aaron Strange*

Date: 9/19/2012

Date: 9/19/2012

Time:

Note: Any changes must be made in writing once samples and COC Form have been submitted to A/S Laboratory Group.

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**ALS Environmental**

10450 Stancliff Rd., Suite 210

Houston, Texas 77099

Tel. +1 281 530 5656

Fax. +1 281 530 5887

Date:

Name:

Company:

CUSTODY SEAL

7-19-12 Time: 16:15

Karen Strong

for: Nesajo Refining Co.

Taken By:

Date:

9/20/12



October 19, 2012

Ms. Pat Lynch
ALS Environmental
10450 Stancliff Rd, Suite 210
Houston, TX 77099

Re: ALS Workorder: 12-09-367
Project Name: 1209741
Project Number: None Submitted

Dear Ms. Lynch:

One water sample was received from ALS Environmental on September 2, 2012. The sample was scheduled for the following analyses:

Radium-226
Radium-228

The results for these analyses are contained in the enclosed report.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

ALS Environmental
Jeff Kujawa
Project Manager

JRK/jmh
Enclosure (s): Report



1209367

Radium-228:

The sample was analyzed for the presence of ^{228}Ra by low background gas flow proportional counting of ^{228}Ac , which is the ingrown progeny of ^{228}Ra , according to the current revision of SOP 724.

All acceptance criteria were met, with the following exceptions:

The ^{228}Ra recovery in laboratory control sample RA121002-1LCS was below the lower control limit of 70% at 52.1%. The sample was re-milked and re-counted on 10/14/2012. All criteria for the LCS is in control following the re-count. Results are submitted without further qualification.

Due to uncertainty associated with the ICP-AES determination of barium concentration in the samples, the calculated yield for sample RA121002-1LCSID fell between 100% and 110%. To minimize the potential for low bias, results have been calculated conservatively assuming quantitative chemical yield (100%). The magnitude of the low bias is estimated to be less than 10% of the reported value and is acceptable according the ALS LQAP. This sample is identified with an "Y1" flag on the final reports.

Radium-226:

This sample was prepared and analyzed according to the current revision of SOP 783.

All acceptance criteria were met.

ALS Environmental -- FC

SAMPLE SUMMARY REPORT

Client: ALS Environmental
Subject: 1209741
Sample ID: 1209741-01J (WW Effluent)
Legal Location:
Collection Date: 9/19/2012 09:30

Date: 18-Oct-12
Work Order: 1209367
Lab ID: 1209367-1
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
RA-226 BY RADON EMANATION - METHOD 903.1						
Ra-226	0.87 (+/- 0.45)	LT	PAI 783	0.42 pCi/l	Prep Date: 9/25/2012	PrepBy: PJW
Carr: BARIUM	75.9		40-110	%REC	NA	10/3/2012 14:24
RADIUM-228 ANALYSIS BY GFPC						
Ra-228	ND (+/- 0.31)	U	PAI 724	0.62 pCi/l	Prep Date: 10/2/2012	PrepBy: EKG
Carr: BARIUM	89.8		40-110	%REC	NA	10/14/2012 10:55

ALS Environmental -- FC

SAMPLE SUMMARY REPORT

Client: ALS Environmental
 Project: 1209741
 Sample ID: 1209741-01J (WW Effluent)
 Legal Location:
 Collection Date: 9/19/2012 09:30

Date: 18-Oct-12
 Work Order: 1209367
 Lab ID: 1209367-1
 Matrix: WATER
 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
----------	--------	------	--------------	-------	-----------------	---------------

Explanation of Qualifiers

Radiochemistry:

U or ND - Result is less than the sample specific MDC.	M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.	L - LCS Recovery below lower control limit.
Y2 - Chemical Yield outside default limits.	H - LCS Recovery above upper control limit.
W - DER is greater than Warning Limit of 1.42	P - LCS, Matrix Spike Recovery within control limits.
* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.	N - Matrix Spike Recovery outside control limits
# - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.	NC - Not Calculated for duplicate results less than 5 times MDC
G - Sample density differs by more than 15% of LCS density.	B - Analyte concentration greater than MDC.
D - DER is greater than Control Limit	B3 - Analyte concentration greater than MDC but less than Requested MDC.
M - Requested MDC not met.	

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).
 U or ND - Indicates that the compound was analyzed for but not detected.
 E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
 M - Duplicate injection precision was not met.
 N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
 Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
 * - Duplicate analysis (relative percent difference) not within control limits.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.
 B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
 E - Analyte concentration exceeds the upper level of the calibration range.
 J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
 A - A tentatively identified compound is a suspected aldol-condensation product.
 X - The analyte was diluted below an accurate quantitation level.
 * - The spike recovery is equal to or outside the control criteria used.
 + - The relative percent difference (RPD) equals or exceeds the control criteria.

Diesel Range Organics:

ALS Environmental -- FC**SAMPLE SUMMARY REPORT**

Client: ALS Environmental
Object: 1209741
Sample ID: 1209741-01J (WW Effluent)
Legal Location:
Collection Date: 9/19/2012 09:30

Date: 18-Oct-12
Work Order: 1209367
Lab ID: 1209367-1
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
G - A pattern resembling gasoline was detected in this sample.						
D - A pattern resembling diesel was detected in this sample.						
M - A pattern resembling motor oil was detected in this sample.						
C - A pattern resembling crude oil was detected in this sample.						
4 - A pattern resembling JP-4 was detected in this sample.						
5 - A pattern resembling JP-5 was detected in this sample.						
H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.						
L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.						
Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:						
- gasoline						
- JP-8						
- diesel						
- mineral spirits						
- motor oil						
- Stoddard solvent						
- bunker C						

ALS Environmental -- FC

Date: 10/18/2012 10:4

Client: ALS Environmental

Work Order: 1209367

Project: 1209741

QC BATCH REPORT

Batch ID: RE120925-1-4		Instrument ID: Alpha Scin			Method: Ra-226 by Radon Emanation - Me					
LCS		Sample ID: RE120925-1			Units: pCi/l		Analysis Date: 10/3/2012 15:40			
Client ID:		Run ID: RE120925-1A			Prep Date: 9/25/2012		DF: NA			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	DER Ref Value	DER	DER Limit	Qual
Ra-226	37.9 (+/- 9.5)	0.2	37.5		101	67-120				P
Carr: BARIUM	14820		15360		96.4	40-110				
LCSD		Sample ID: RE120925-1			Units: pCi/l		Analysis Date: 10/3/2012 15:40			
Client ID:		Run ID: RE120925-1A			Prep Date: 9/25/2012		DF: NA			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	DER Ref Value	DER	DER Limit	Qual
Ra-226	39 (+/- 9.7)	0.3	37.5		104	67-120	37.9	0.086	2.13	P
Carr: BARIUM	14730		15360		95.9	40-110	14820			
MB		Sample ID: RE120925-1			Units: pCi/l		Analysis Date: 10/3/2012 15:40			
Client ID:		Run ID: RE120925-1A			Prep Date: 9/25/2012		DF: NA			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	DER Ref Value	DER	DER Limit	Qual
Ra-226	ND	0.122								U
Carr: BARIUM	14510		15360		94.4	40-110				
The following samples were analyzed in this batch:				1209367-1						

Client: ALS Environmental
 Work Order: 1209367
 Project: 1209741

QC BATCH REPORT

Batch ID: RA121002-1-5 Instrument ID: LB4100-A Method: Radium-228 Analysis by GFPC

LCS Sample ID: RA121002-1 Units: pCi/l Analysis Date: 10/14/2012 11:45

Client ID: Run ID: RA121002-1A Prep Date: 10/2/2012 DF: NA

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	DER Ref Value	DER	DER Limit	Qual
Ra-228	8.8 (+/- 2.2)	0.8	10.63		82.4	70-130				P
Carr: BARIUM	29790		30690		97.1	40-110				

LCSD Sample ID: RA121002-1 Units: pCi/l Analysis Date: 10/14/2012 11:45

Client ID: Run ID: RA121002-1A Prep Date: 10/2/2012 DF: NA

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	DER Ref Value	DER	DER Limit	Qual
Ra-228	10 (+/- 2.4)	0.8	10.63		94	70-130	8.8	0.377	2.13	P,Y1
Carr: BARIUM	30690		30690		100	40-110	29790			Y1

MB Sample ID: RA121002-1 Units: pCi/l Analysis Date: 10/14/2012 10:55

Client ID: Run ID: RA121002-1A Prep Date: 10/2/2012 DF: NA

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	DER Ref Value	DER	DER Limit	Qual
Ra-228	ND	0.36								U
: BARIUM	29830		30700		97.2	40-110				

The following samples were analyzed in this batch:

1209367-1

ALS is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

Accreditation Body	License or Certification Number
Washington	C1280
Utah	CO00073
Arizona	AZ0742
Alaska	UST-086
Alaska	CO00073
Florida	E87914
Missouri	175
North Dakota	R-057
New Jersey	CO003
Nevada	CO000782008A
California	06251CA
Kansas	E-10381
Maryland	285
Pennsylvania	68-03116
Texas	T104704241-09-1
Colorado	CO00078
Connecticut	PH-0232
Idaho	CO00078
Tennessee	2976
Kentucky	90137
L-A-B (DoD ELAP/ISO 17025)	L2257

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1209367

Client Name: ALS Environmental

Client Project Name: 1209741

Client Project Number:

Client PO Number: 10-1209741

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
1209741-01J (WW Effluent)	1209367-1		WATER	19-Sep-12	9:30



Subcontractor:
ALS Environmental
225 Commerce Drive
Fort Collins, CO 80524

TEL: (800) 443-1511
FAX: (970) 490-1522
Acct #:

Salesperson: Mala H. Belmonte

CHAIN-OF-CUSTODY RECORD

Date: 21-Sep-12
COC ID: 12595
Due Date: 26-Sep-12

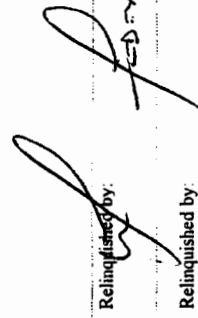
Page 1 of 1

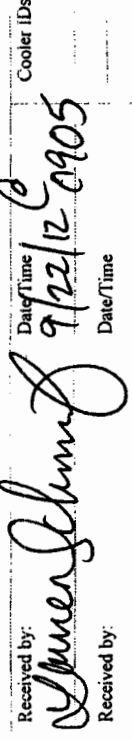
1209367

Customer Information		Project Information		Parameter/Method Request for Analysis													
Purchase Order		Project Name	1209741	A	Ra-226/228												
Work Order		Project Number		B													
Company Name	ALS Group USA, Corp.	Bill To Company	ALS Group USA, Corp.	C													
Send Report To	Patricia L. Lynch	Inv Attn	Accounts Payable	D													
Address	10450 Stanciliff Rd, Suite 210	Address	10450 Stanciliff Rd, Suite 210	E													
				F													
City/State/Zip	Houston, Texas 77099-4338	City/State/Zip	Houston, Texas 77099-4338	G													
Phone	(281) 530-5656	Phone	(281) 530-5656	H													
Fax	(281) 530-5887	Fax	(281) 530-5887	I													
eMail Address	pat.lynch@alsglobal.com	eMail CC		J													
Sample ID	1209741-01J (WW Effluent)	Matrix	Liquid	A	B	C	D	E	F	G	H	I	J				
		Collection Date	19/Sep/2012 9:30	X													
		Bottle	(2) 1LPHNO3														

Comments:

Please analyze for Rad-226/Rad-228. Due on 9/26/12. Send report to pat.lynch@alsglobal.com and cc : results to yvan.tv@alsglobal.com

Relinquished by: 
Date/Time: 9/21/12 1800

Received by: 
Date/Time: 9/22/12 0905

Report/QC Level
Std

Relinquished by:
Date/Time:



ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: ALS TX

Workorder No: 1209367

Project Manager: JRK

Initials: LAS Date: 9/22/12

1. Does this project require any special handling in addition to standard ALS procedures?		YES	☒ NO
2. Are custody seals on shipping containers intact?	<u>yes 9/22/12</u>	☒ YES	☒ NO
3. Are Custody seals on sample containers intact?		☒ YES	☒ NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?		☒ YES	☒ NO
5. Are the COC and bottle labels complete and legible?		☒ YES	☒ NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		☒ YES	☒ NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	☒ YES	☒ NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	☒ YES	☒ NO
9. Are all aqueous non-preserved samples pH 4-9?	N/A	☒ YES	☒ NO
10. Is there sufficient sample for the requested analyses?		☒ YES	☒ NO
11. Were all samples placed in the proper containers for the requested analyses?		☒ YES	☒ NO
12. Are all samples within holding times for the requested analyses?		☒ YES	☒ NO
13. Were all sample containers received intact? (not broken or leaking, etc.)		☒ YES	☒ NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: <u> </u> < green pea <u> </u> > green pea	N/A	☒ YES	☒ NO
15. Do any water samples contain sediment? Amount of sediment: <u> </u> dusting <u> </u> moderate <u> </u> heavy	Amount N/A	☒ YES	☒ NO
16. Were the samples shipped on ice?		☒ YES	☒ NO
17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #2 #4	☒ RAD ONLY	☒ YES	☒ NO
Cooler #: <u>1</u>			
Temperature (°C): <u>AMB</u>			
No. of custody seals on cooler: <u>2</u>			
External µR/hr reading: <u>12</u>			
Background µR/hr reading: <u>11</u>			
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? ☒ YES / ☒ NO / ☒ NA (If no, see Form 008.)			

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

*8) 1209367-1-1 and 1-2 (1209741-01J (WW Effluent)) both arrived at lab with pH=7. At 1300 on 9/22/12, LAS added 2.0mL HNO₃ (Lot # L08023) to each bottle. Final pH of both was < 2.

If applicable, was the client contacted? YES / NO / ☒ NA Contact: Date/Time:

Project Manager Signature / Date: JRK 9-29-12

SHIP DATE: 21SEP12
ACTWGT: 7.1 LB
CAD: 300130/CAFE2605

BILL SENDER:

0905

(970) 490-1511

REF: (SUBCONTRACT) PMG



FedEx
Express



114131303740126

TRK# 4340 2172 4519
0201

MON - 24 SEP A2
STANDARD OVERNIGHT

XH FTCA

20521
CO-US DEN

Paris # 156148-434 Paris 04/12 28.



2
T
1
12

1209367

Client: ALS Environmental
Project: 1209741
Work Order: 1209632

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1209632-01	1209741-01I	Liquid		9/19/2012 09:30	9/22/2012 10:00	☐

Client: ALS Environmental
Project: 1209741
WorkOrder: 1209632

QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
SD	Serial Dilution
TDL	Target Detection Limit

<u>Units Reported</u>	<u>Description</u>
mg/Kg	Milligrams per Kilogram

ALS Group USA, Corp**Date:** 26-Sep-12

Client: ALS Environmental
Project: 1209741
Sample ID: 1209741-01I
Collection Date: 9/19/2012 09:30 AM

Work Order: 1209632
Lab ID: 1209632-01
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
CYANIDE, REACTIVE			SW7.3.3.2			Analyst: EE
Cyanide, Reactive	ND		40.0	mg/Kg	1	9/26/2012 12:00 PM
SULFIDE, REACTIVE			SW7.3.4.2			Analyst: EE
Sulfide, Reactive	ND		40.0	mg/Kg	1	9/26/2012 12:00 PM

See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 26-Sep-12

Client: ALS Environmental

Work Order: 1209632

Project: 1209741

QC BATCH REPORT

Batch ID: R110285

Instrument ID WETCHEM

Method: SW7.3.4.2

MBLK		Sample ID: WBLKW1-092612-R110285				Units:mg/Kg		Analysis Date: 9/26/2012 12:00 PM		
Client ID:		Run ID: WETCHEM_120926J				SeqNo: 2090885		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sulfide, Reactive	ND	40								

The following samples were analyzed in this batch:

1209632-01A

Client: ALS Environmental
 Work Order: 1209632
 Project: 1209741

QC BATCH REPORT

Batch ID: R110286 Instrument ID WETCHEM Method: SW7.3.3.2

MBLK Sample ID: WBLKW1-092612-R110286 Units: mg/Kg Analysis Date: 9/26/2012 12:00 PM
 Client ID: Run ID: WETCHEM_120926K SeqNo: 2090903 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
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Cyanide, Reactive ND 40

LCS Sample ID: WLCSW1-092612-R110286 Units: mg/Kg Analysis Date: 9/26/2012 12:00 PM
 Client ID: Run ID: WETCHEM_120926K SeqNo: 2090904 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
---------	--------	-----	---------	---------------	------	---------------	---------------	------	-----------	------

Cyanide, Reactive 249.6 40 250 0 99.8 75-125 0

MS Sample ID: 1209632-01A MS Units: mg/Kg Analysis Date: 9/26/2012 12:00 PM
 Client ID: 1209741-011 Run ID: WETCHEM_120926K SeqNo: 2090909 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
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Cyanide, Reactive 234.9 40 250 0 94 50-150 0

MSD Sample ID: 1209632-01A MSD Units: mg/Kg Analysis Date: 9/26/2012 12:00 PM
 Client ID: 1209741-011 Run ID: WETCHEM_120926K SeqNo: 2090910 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
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Cyanide, Reactive 249.6 40 250 0 99.8 50-150 234.9 6.06 35

The following samples were analyzed in this batch: 1209632-01A

Sample Receipt Checklist

Client Name: **ALS - HOUSTON**

Date/Time Received: **22-Sep-12 10:00**

Work Order: **1209632**

Received by: **KRW**

Checklist completed by Diane Shaw
eSignature

24-Sep-12
Date

Reviewed by: Bill Carey
eSignature

24-Sep-12
Date

Matrices: Liquid

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	

Temperature(s)/Thermometer(s):

4.0 c

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage:

9/24/2012 8:50:21 AM

Water - VOA vials have zero headspace?

Yes ☐ No ☐ No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☐ No ☐ N/A ☒

pH adjusted?

Yes ☐ No ☐ N/A ☒

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



23-Jul-2012

Aaron Strange
Navajo Refining Company
PO Box 159
Artesia, NM 88211

Tel: (575) 748-6733
Fax: (575) 746-5421

Re: Injection Well Quarterly

Work Order: 1207951

Dear Aaron,

ALS Environmental received 1 sample on 20-Jul-2012 09:20 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 9.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Patricia L. Lynch
Project Manager



Certificate No: T104704231-09A-TX

ADDRESS 10450 Standcliff Rd, Suite 210 Houston, Texas 77099-4338 | PHONE (281) 530-5656 | FAX (281) 530-5887

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Environmental

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

ALS Environmental

Date: 23-Jul-12

Client: Navajo Refining Company

Project: Injection Well Quarterly

Work Order: 1207951

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1207951-01	Injection Well Missed/Late TDS	Liquid		7/19/2012 14:46	7/20/2012 09:20	☐

ALS Environmental

Date: 24-Jul-12

Client: Navajo Refining Company

Project: Injection Well Quarterly

Work Order: 1207951

Case Narrative

No exceptions

ALS Environmental**Date:** 23-Jul-12**Client:** Navajo Refining Company**Project:** Injection Well Quarterly**Work Order:** 1207951**Sample ID:** Injection Well Missed/Late TDS**Lab ID:** 1207951-01**Collection Date:** 7/19/2012 02:46 PM**Matrix:** LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
TOTAL DISSOLVED SOLIDS			M2540C				Analyst: IAB
Total Dissolved Solids (Residue, Filterable)	3,100		10.0 mg/L		1		7/20/2012 08:00 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 23-Jul-12

Client: Navajo Refining Company
Work Order: 1207951
P. t: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **R131613** Instrument ID **Balance1** Method: **M2540C** (Dissolve)

MBLK Sample ID: **WBLK-072012-R131613** Units: **mg/L** Analysis Date: **7/20/2012 08:00 AM**

Client ID: Run ID: **BALANCE1_120720H** SeqNo: **2868494** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
---------	--------	-----	---------	---------------	------	---------------	---------------	------	-----------	------

Total Dissolved Solids (Residue, Filt	ND	10								
---------------------------------------	----	----	--	--	--	--	--	--	--	--

LCS Sample ID: **WLCS-072012-R131613** Units: **mg/L** Analysis Date: **7/20/2012 08:00 AM**

Client ID: Run ID: **BALANCE1_120720H** SeqNo: **2868495** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
---------	--------	-----	---------	---------------	------	---------------	---------------	------	-----------	------

Total Dissolved Solids (Residue, Filt	920	10	1000	0	92	85-115	0			
---------------------------------------	-----	----	------	---	----	--------	---	--	--	--

DUP Sample ID: **1207682-01FDUP** Units: **mg/L** Analysis Date: **7/20/2012 08:00 AM**

Client ID: Run ID: **BALANCE1_120720H** SeqNo: **2868484** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
---------	--------	-----	---------	---------------	------	---------------	---------------	------	-----------	------

Total Dissolved Solids (Residue, Filt	182	10	0	0	0	0-0	184	1.09	20	
---------------------------------------	-----	----	---	---	---	-----	-----	------	----	--

T/ owing samples were analyzed in this batch: 1207951-01A

Client: Navajo Refining Company
Project: Injection Well Quarterly
WorkOrder: 1207951

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

<u>Units Reported</u>	<u>Description</u>
mg/L	Milligrams per Liter

ALS Environmental

Sample Receipt Checklist

Client Name: **NAVAJO REFINING**

Date/Time Received: **20-Jul-12 09:20**

Work Order: **1207951**

Received by: **RNG**

Checklist completed by Robert D. Harris
eSignature

21-Jul-12
Date

Reviewed by: Patricia L. Lynch
eSignature

21-Jul-12
Date

Matrices: liquids

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	

Temperature(s)/Thermometer(s):

3.2c c/u 003

Cooler(s)/Kit(s):

1086

Date/Time sample(s) sent to storage:

7/21/12 10:30

Water - VOA vials have zero headspace?

Yes ☐ No ☐ No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☒ No ☐ N/A ☐

pH adjusted?

Yes ☐ No ☐ N/A ☒

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

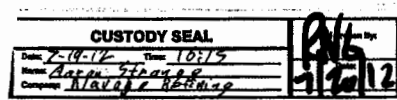
Contacted By:

Regarding:

Comments:

Corrective Action:

1207951



Trez Owen

m: Jim Bundy
sent: Sunday, February 17, 2013 8:01 AM
To: Robert.P.Heine@Williams.com; Ishwar.Singh@Williams.com;
James.C.Sanford@Williams.com; Charles.G.Pittman@Williams.com;
Dave.J.Williams@Williams.com; Corey.erdmann@williams.com;
Tina.A.Kingshill@williams.com; christopher.waddell@williams.com;
Balaji.Srinivasan@Williams.com; Mark.S.Nelson@Williams.com;
Richard.McMillan@Williams.com; Michael.j.kologinczak@williams.com;
r.chris.springer@williams.com
Cc: John Fleniken; Joseph Sheldon; Scott Thiem; J.L. Gray; Steve King; Larry McDonald;
Jesusita Vera; Monica Newsom; 'Rusty Clark'; 'John Webb '; 'Bill Oakley'; 'Norbert
Heitmann'; 'Bob Thoms (rthoms@cox.net)'; 'Robert Bomar'; Lex Vaughn
(lex_ge@yahoo.com); Richard W Schildhouse; Jim Bundy; 'Subsurface Williams'; Steve
Kelly; Wayne Landon; Oliver Man; T Walter Cook; Trez Owen; Brenda Love
Subject: Eminence Report 2-17-13 Day 773
Attachments: Eminence FAR's February 2013.xlsx; 2 Fill and Flow Pressures 2013 2-17.pdf; Current
Stage Tracking 2-17.pdf

C3R: Stage 6 daily 18,681 bbl, Stage total 160,419 bbl Cumulative 698,661 bbl Initial pressure 533 psig. Annulus is tracking at 695 psig Shut in at 06:00 to flow gas. Anticipate running sonar and press/temp logs Thursday 2/21.

Cap Rock Wells See Pressures Tab

MW41B Surface SIP 182 psi Perfs 1950-2010

1 Surface SIP 184 psi Perfs 1968-1972

Note: IS-1 opened to vent 1/22/13

700' Wells See Pressures Tab

Note: MW-10 annulus is open and venting, flare too small burn. It stopped flaring 12/22/12 at 07:30 hrs.

550' Wells See Pressures Tab.

Note: MW-9SD and MW10SD slight blow **MW237 flaring with 3-5' flare through stack**

Cavern 1: SIP= 370 psi Flow 474 bbl 2/7/13

Cavern 2: SIP = 468 psi Bled 880 bbl of 9.8 ppg brine 1/18/13 Gas too small to estimate

Cavern 3: SIP = C3 shut in at 31 psi

Cavern 4: SITP = 370 psi SICP= 300 psi (Equivalent SIP with brine = 195 psi) flowed 452 bbl 2/15/13

Disposal to Bounds: Disposed 0 bbl at 0 psi. February total 1200 bbl Maximum Pressure 460 psi.

Bundy Engineering, planning.

Jim Bundy

Director of Engineering and Technical Services

Subsurface Technology, Inc

6925 Portwest Drive Suite 110

Houston, TX 77024

Office 713-880-4640

Cell 713-824-7487

jbundy@subsurfacegroup.com

SUBSURFACE FIELD ACTIVITY REPORT

Company:	Williams	Project No: 60A6744
Well:	Eminence Response	Date: 02/16/13
State:	Mississippi	FAR Report No.: 6744-751 JDB
County/Parish:	Covington	Employee Title: Director
State:	Mississippi	
Work Performed:	☐ New Well ☐ Workover ☐ Wireline ☐ Consulting ☒ Other _____	

C3R: Stage 6 daily 18,681 bbl, Stage total 160,419 bbl Cumulative 698,661 bbl Initial pressure 533 psig. Annulus is tracking at 695 psig Shut in at 06:00 to flow gas. Anticipate running sonar and press/temp logs Thursday 2/21.

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JB-1 Surface SIP 184 psi Perfs 1968-1972

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Cavern 1: SIP= 370 psi Flow 474 bbl 2/7/13

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Disposal to Bounds: Disposed 0 bbl at 0 psi. February total 1200 bbl Maximum Pressure 460 psi.

Bundy Engineering, planning.

b

Equipment and Services Purchased This Date

Equipment and Services Subtotal				\$ -
Contingency per proposal/contract			10.00%	\$ -
Sales Tax			8.50%	\$ -
Project Management and Procurement Fee			15.00%	\$ -
Other Charges				
Engineering consultation	195	8		\$ 1,560
Subsistence @ \$75 per day + lodging at cost				\$ 75
Rental Vehicle (Daily cost, fuel, parking, tolls)			Cost:	
Subsurface Vehicle \$1/mile			Miles:	\$ -
Travel Expense (plane, bus, taxi) Cost Plus 10%			Cost:	
Total Other Charges				\$ 1,635
Total PMP fee and Other Charges				\$ 1,635
Total Estimated Daily Field Cost				\$ 1,635
Prior Days Total Estimated Cumulative Cost				
Total Estimated Cumulative Field Cost				

*This FAR provides estimates of on-site project costs only. Additional associated project costs, including engineering, geological and hydrogeological interpretations, clerical, etc., are not reflected on this FAR. This FAR is not to be used to determine final project costs.

Subsurface Representative: James Bundy



05-Jun-2012

aaron.strange@hollycorp.com
Navajo Refining Company
PO Box 159
Artesia, NM 88211

Tel: (575) 748-6733
Fax: (575) 746-5421

Re: Injection Well Quarterly

Work Order: 1205999

Dear aaron.strange@hollycorp.com,

ALS Environmental received 1 sample on 23-May-2012 08:45 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 28.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in cursive script that reads 'Patricia L. Lynch'.

Electronically approved by: Makenzie L. Henderson

Patricia L. Lynch
Project Manager



Certificate No: T104704231-09A-TX

ADDRESS 10450 Stancliff Rd, Suite 210 Houston, Texas 77099-4338 | PHONE (281) 530-5656 | FAX (281) 530-5887

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: Navajo Refining Company
Project: Injection Well Quarterly
Work Order: 1205999

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1205999-01	Injection Well Effluent	Liquid		5/21/2012 13:15	5/23/2012 08:45	☐

ALS Environmental*Date: 05-Jun-12*

Client: Navajo Refining Company
Project: Injection Well Quarterly
Work Order: 1205999

Case Narrative

Batch 61460, Metals, Sample 1205937-01, MS/MSD was an unrelated sample.

Batch R128528, Volatile Organic, Sample 12051116-10, MS/MSD was an unrelated sample.

Batch R128879, Anions by E300, Sample Injection Well Effluent, MS/MSD recoveries were outside the control limits.

ALS Environmental

Date: 05-Jun-12

Client: Navajo Refining Company

Project: Injection Well Quarterly

Sample ID: Injection Well Effluent

Collection Date: 5/21/2012 01:15 PM

Work Order: 1205999

Lab ID: 1205999-01

Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
MERCURY			SW7470				Analyst: JCJ
Mercury	ND		0.000200	mg/L	1	5/29/2012	5/29/2012 05:59 PM
METALS			SW6020				Analyst: ALR
Aluminum	0.394		0.0100	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Arsenic	0.0791	*	0.00500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Barium	0.0202		0.00500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Beryllium	ND		0.00200	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Boron	0.238		0.0500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Cadmium	ND		0.00200	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Calcium	51.8		0.500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Chromium	ND		0.00500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Cobalt	ND		0.00500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Copper	ND		0.00500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Iron	1.17		0.200	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Lead	ND		0.00500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Magnesium	15.4		0.200	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Manganese	0.0524		0.00500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Molybdenum	0.154		0.00500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Nickel	0.0122		0.00500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Potassium	75.4		0.200	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Selenium	0.690	*	0.00500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Silver	ND		0.00500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Sodium	1,320		20.0	mg/L	100	5/30/2012	6/1/2012 12:32 PM
Vanadium	0.00817		0.00500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
Zinc	0.0402		0.00500	mg/L	1	5/30/2012	6/1/2012 01:59 AM
SEMIVOLATILES - SW8270D			SW8270				Analyst: JLJ
1,2,4-Trichlorobenzene	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
2-Methylnaphthalene	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
2-Methylphenol	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
2-Nitroaniline	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
2-Nitrophenol	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
3&4-Methylphenol	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
3-Nitroaniline	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
4-Nitroaniline	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
4-Nitrophenol	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Acenaphthene	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 05-Jun-12

Client: Navajo Refining Company

Project: Injection Well Quarterly

Sample ID: Injection Well Effluent

Collection Date: 5/21/2012 01:15 PM

Work Order: 1205999

Lab ID: 1205999-01

Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
Acenaphthylene	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Aniline	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Anthracene	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Benz(a)anthracene	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Benzidine	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Hexachlorobenzene	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Hexachloroethane	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Isophorone	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Naphthalene	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Nitrobenzene	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
N-Nitrosodimethylamine	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
N-Nitrosodi-n-propylamine	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
N-Nitrosodiphenylamine	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Pentachlorophenol	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Phenanthrene	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
henol	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Pyrene	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Pyridine	ND		0.0050	mg/L	1	5/24/2012	5/24/2012 07:24 PM
Surr: 2,4,6-Tribromophenol	103		42-124	%REC	1	5/24/2012	5/24/2012 07:24 PM
Surr: 2-Fluorobiphenyl	70.3		48-120	%REC	1	5/24/2012	5/24/2012 07:24 PM
Surr: 2-Fluorophenol	71.0		20-120	%REC	1	5/24/2012	5/24/2012 07:24 PM
Surr: 4-Terphenyl-d14	96.2		51-135	%REC	1	5/24/2012	5/24/2012 07:24 PM
Surr: Nitrobenzene-d5	76.1		41-120	%REC	1	5/24/2012	5/24/2012 07:24 PM
Surr: Phenol-d6	80.9		20-120	%REC	1	5/24/2012	5/24/2012 07:24 PM

VOLATILES**SW8260**

Analyst: PC

1,1,1-Trichloroethane	ND		0.0050	mg/L	1	5/27/2012 06:08 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/L	1	5/27/2012 06:08 PM
1,1,2-Trichloroethane	ND		0.0050	mg/L	1	5/27/2012 06:08 PM
1,1-Dichloroethane	ND		0.0050	mg/L	1	5/27/2012 06:08 PM
1,1-Dichloroethene	ND		0.0050	mg/L	1	5/27/2012 06:08 PM
1,2-Dichloroethane	ND		0.0050	mg/L	1	5/27/2012 06:08 PM
2-Butanone	ND		0.010	mg/L	1	5/27/2012 06:08 PM
2-Chloroethyl vinyl ether	ND		0.010	mg/L	1	5/27/2012 06:08 PM
2-Hexanone	ND		0.010	mg/L	1	5/27/2012 06:08 PM
4-Methyl-2-pentanone	ND		0.010	mg/L	1	5/27/2012 06:08 PM
Acetone	ND		0.010	mg/L	1	5/27/2012 06:08 PM
Benzene	ND		0.0050	mg/L	1	5/27/2012 06:08 PM
Bromodichloromethane	ND		0.0050	mg/L	1	5/27/2012 06:08 PM
Bromoform	ND		0.0050	mg/L	1	5/27/2012 06:08 PM

te: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 05-Jun-12

Client: Navajo Refining Company

Project: Injection Well Quarterly

Sample ID: Injection Well Effluent

Collection Date: 5/21/2012 01:15 PM

Work Order: 1205999

Lab ID: 1205999-01

Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
Bromomethane	ND		0.0050	mg/L	1		5/27/2012 06:08 PM
Carbon disulfide	ND		0.010	mg/L	1		5/27/2012 06:08 PM
Carbon tetrachloride	ND		0.0050	mg/L	1		5/27/2012 06:08 PM
Chlorobenzene	ND		0.0050	mg/L	1		5/27/2012 06:08 PM
Chloroethane	ND		0.0050	mg/L	1		5/27/2012 06:08 PM
Chloroform	ND		0.0050	mg/L	1		5/27/2012 06:08 PM
Chloromethane	ND		0.0050	mg/L	1		5/27/2012 06:08 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/L	1		5/27/2012 06:08 PM
Dibromochloromethane	ND		0.0050	mg/L	1		5/27/2012 06:08 PM
Ethylbenzene	ND		0.0050	mg/L	1		5/27/2012 06:08 PM
m,p-Xylene	ND		0.010	mg/L	1		5/27/2012 06:08 PM
Methylene chloride	ND		0.010	mg/L	1		5/27/2012 06:08 PM
Styrene	ND		0.0050	mg/L	1		5/27/2012 06:08 PM
Tetrachloroethene	ND		0.0050	mg/L	1		5/27/2012 06:08 PM
Toluene	ND		0.0050	mg/L	1		5/27/2012 06:08 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/L	1		5/27/2012 06:08 PM
Trichloroethene	ND		0.0050	mg/L	1		5/27/2012 06:08 PM
Vinyl acetate	ND		0.010	mg/L	1		5/27/2012 06:08 PM
Vinyl chloride	ND		0.0020	mg/L	1		5/27/2012 06:08 PM
Xylenes, Total	ND		0.015	mg/L	1		5/27/2012 06:08 PM
Surr: 1,2-Dichloroethane-d4	104		70-125	%REC	1		5/27/2012 06:08 PM
Surr: 4-Bromofluorobenzene	92.3		72-125	%REC	1		5/27/2012 06:08 PM
Surr: Dibromofluoromethane	102		71-125	%REC	1		5/27/2012 06:08 PM
Surr: Toluene-d8	95.9		75-125	%REC	1		5/27/2012 06:08 PM
REACTIVE CYANIDE			SW-846				Analyst: HN
Reactive Cyanide	ND		40.0	mg/Kg	1		5/29/2012 10:45 AM
REACTIVE SULFIDE			SW-846				Analyst: HN
Reactive Sulfide	ND		40.0	mg/Kg	1		5/29/2012 10:45 AM
ANIONS - EPA 300.0 (1993)			E300				Analyst: JKP
Chloride	646		5.00	mg/L	10		6/4/2012 08:56 AM
Sulfate	2,220		50.0	mg/L	100		6/4/2012 03:37 PM
Surr: Selenate (surr)	110		85-115	%REC	10		6/4/2012 08:56 AM
Surr: Selenate (surr)	106		85-115	%REC	100		6/4/2012 03:37 PM
ALKALINITY			SM2320B				Analyst: DM
Alkalinity, Bicarbonate (As CaCO3)	175		5.00	mg/L	1		6/4/2012 09:23 AM
Alkalinity, Carbonate (As CaCO3)	ND		5.00	mg/L	1		6/4/2012 09:23 AM
Alkalinity, Hydroxide (As CaCO3)	ND		5.00	mg/L	1		6/4/2012 09:23 AM
Alkalinity, Total (As CaCO3)	175		5.00	mg/L	1		6/4/2012 09:23 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

LS Environmental

Date: 05-Jun-12

Client: Navajo Refining Company

Project: Injection Well Quarterly

Work Order: 1205999

Sample ID: Injection Well Effluent

Lab ID: 1205999-01

Collection Date: 5/21/2012 01:15 PM

Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
SPECIFIC CONDUCTIVITY			M2510 B				Analyst: RPM
Specific Conductivity	6,650		1.00	µmhos/cm	1		6/1/2012 12:00 PM
IGNITIBILITY			SW1010				Analyst: KAH
Ignitability	> 212		50.0	°F	1		6/1/2012 03:45 PM
PH			SW9040				Analyst: RPM
pH	6.76	H	0.100	pH units	1		5/30/2012 05:00 PM

See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: 05-Jun-12

Client: Navajo Refining Company
Work Order: 1205999
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 61420		Instrument ID Mercury			Method: SW7470					
MBLK		Sample ID: GBLKW2-052912-61420			Units: mg/L		Analysis Date: 5/29/2012 04:59 PM			
Client ID:		Run ID: MERCURY_120529A			SeqNo: 2798980		Prep Date: 5/29/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020								
LCS		Sample ID: GLCSW2-052912-61420			Units: mg/L		Analysis Date: 5/29/2012 05:01 PM			
Client ID:		Run ID: MERCURY_120529A			SeqNo: 2798981		Prep Date: 5/29/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00519	0.00020	0.005	0	104	85-115	0			
MS		Sample ID: 12051008-01DMS			Units: mg/L		Analysis Date: 5/29/2012 05:13 PM			
Client ID:		Run ID: MERCURY_120529A			SeqNo: 2798984		Prep Date: 5/29/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.0052	0.00020	0.005	-0.000013	104	85-115	0			
MSD		Sample ID: 12051008-01DMSD			Units: mg/L		Analysis Date: 5/29/2012 05:15 PM			
Client ID:		Run ID: MERCURY_120529A			SeqNo: 2798985		Prep Date: 5/29/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00517	0.00020	0.005	-0.000013	104	85-115	0.0052	0.579	20	
DUP		Sample ID: 12051008-01DDUP			Units: mg/L		Analysis Date: 5/29/2012 05:11 PM			
Client ID:		Run ID: MERCURY_120529A			SeqNo: 2798983		Prep Date: 5/29/2012		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020	0	0	0	0-0	-0.000013	0	20	

The following samples were analyzed in this batch:

1205999-01B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 1 of 18

Client: Navajo Refining Company
Work Order: 1205999
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 61460 Instrument ID ICPMS03 Method: SW6020

MBLK Sample ID: MBLKW2-053012-61460 Units: mg/L Analysis Date: 5/30/2012 05:19 PM

Client ID: Run ID: ICPMS03_120530A SeqNo: 2800671 Prep Date: 5/30/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	0.010								
Arsenic	ND	0.0050								
Barium	ND	0.0050								
Beryllium	ND	0.0020								
Boron	ND	0.050								
Cadmium	ND	0.0020								
Calcium	ND	0.50								
Chromium	ND	0.0050								
Cobalt	ND	0.0050								
Copper	ND	0.0050								
Iron	ND	0.20								
Lead	ND	0.0050								
Magnesium	ND	0.20								
Manganese	ND	0.0050								
Molybdenum	ND	0.0050								
Nickel	ND	0.0050								
Phosphorus	ND	0.20								
Selenium	ND	0.0050								
Silver	ND	0.0050								
Sodium	0.1971	0.20								J
Vanadium	ND	0.0050								
Zinc	ND	0.0050								

Client: Navajo Refining Company
 Work Order: 1205999
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 61460 Instrument ID ICPMS03 Method: SW6020

LCS Sample ID: MLC5W2-053012-61460 Units: mg/L Analysis Date: 5/30/2012 05:24 PM

Client ID: Run ID: ICPMS03_120530A SeqNo: 2800672 Prep Date: 5/30/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1016	0.010	0.1	0	102	80-120	0			
Arsenic	0.0494	0.0050	0.05	0	98.8	80-120	0			
Barium	0.0475	0.0050	0.05	0	95	80-120	0			
Beryllium	0.04774	0.0020	0.05	0	95.5	80-120	0			
Boron	0.467	0.050	0.5	0	93.4	80-120	0			
Cadmium	0.04793	0.0020	0.05	0	95.9	80-120	0			
Calcium	4.994	0.50	5	0	99.9	80-120	0			
Chromium	0.04938	0.0050	0.05	0	98.8	80-120	0			
Cobalt	0.04973	0.0050	0.05	0	99.5	80-120	0			
Copper	0.04983	0.0050	0.05	0	99.7	80-120	0			
Iron	4.927	0.20	5	0	98.5	80-120	0			
Lead	0.04748	0.0050	0.05	0	95	80-120	0			
Magnesium	4.817	0.20	5	0	96.3	80-120	0			
Manganese	0.04919	0.0050	0.05	0	98.4	80-120	0			
Molybdenum	0.04633	0.0050	0.05	0	92.7	80-120	0			
Nickel	0.04962	0.0050	0.05	0	99.2	80-120	0			
Potassium	4.756	0.20	5	0	95.1	80-120	0			
Selenium	0.04756	0.0050	0.05	0	95.1	80-120	0			
Silver	0.04739	0.0050	0.05	0	94.8	80-120	0			
Sodium	4.859	0.20	5	0	97.2	80-120	0			
Vanadium	0.04926	0.0050	0.05	0	98.5	80-120	0			
Zinc	0.05274	0.0050	0.05	0	105	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
Work Order: 1205999
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 61460 **Instrument ID:** ICPMS03 **Method:** SW6020

MS **Sample ID:** 1205937-01EMS **Units:** mg/L **Analysis Date:** 5/30/2012 08:38 PM
Client ID: **Run ID:** ICPMS03_120530A **SeqNo:** 2801337 **Prep Date:** 5/30/2012 **DF:** 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.6815	0.010	0.1	0.5125	169	80-120	0			SO
Arsenic	0.0492	0.0050	0.05	0.002327	93.7	80-120	0			
Barium	0.293	0.0050	0.05	0.2375	111	80-120	0			O
Beryllium	0.04846	0.0020	0.05	0	96.9	80-120	0			
Boron	0.5529	0.050	0.5	0.05887	98.8	80-120	0			
Cadmium	0.04689	0.0020	0.05	0	93.8	80-120	0			
Calcium	61.44	0.50	5	56.3	103	80-120	0			O
Chromium	0.04673	0.0050	0.05	0	93.5	80-120	0			
Cobalt	0.04604	0.0050	0.05	0	92.1	80-120	0			
Copper	0.047	0.0050	0.05	0	94	80-120	0			
Iron	5.023	0.20	5	0.4267	91.9	80-120	0			
Lead	0.04665	0.0050	0.05	0	93.3	80-120	0			
Magnesium	14.11	0.20	5	8.916	104	80-120	0			
Manganese	0.07702	0.0050	0.05	0.03071	92.6	80-120	0			
Molybdenum	0.04832	0.0050	0.05	0	96.6	80-120	0			
Nickel	0.04626	0.0050	0.05	0	92.5	80-120	0			
Fluorine	7.427	0.20	5	2.576	97	80-120	0			
Selenium	0.04622	0.0050	0.05	0	92.4	80-120	0			
Silver	0.04578	0.0050	0.05	0	91.6	80-120	0			
Sodium	193.2	0.20	5	177.1	322	80-120	0			SEO
Vanadium	0.05233	0.0050	0.05	0.005986	92.7	80-120	0			
Zinc	0.0498	0.0050	0.05	0.003672	92.3	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
Work Order: 1205999
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 61460 Instrument ID ICPMS03 Method: SW6020

MSD		Sample ID: 1205937-01EMSD				Units: mg/L		Analysis Date: 5/30/2012 08:42 PM		
Client ID:		Run ID: ICPMS03_120530A				SeqNo: 2801338		Prep Date: 5/30/2012		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.6676	0.010	0.1	0.5125	155	80-120	0.6815	2.06	15	SO
Arsenic	0.05198	0.0050	0.05	0.002327	99.3	80-120	0.0492	5.5	15	
Barium	0.3035	0.0050	0.05	0.2375	132	80-120	0.293	3.52	15	SO
Beryllium	0.05078	0.0020	0.05	0	102	80-120	0.04846	4.68	15	
Boron	0.5615	0.050	0.5	0.05887	101	80-120	0.5529	1.54	15	
Cadmium	0.04769	0.0020	0.05	0	95.4	80-120	0.04689	1.69	15	
Calcium	66.31	0.50	5	56.3	200	80-120	61.44	7.62	15	SO
Chromium	0.05062	0.0050	0.05	0	101	80-120	0.04673	7.99	15	
Cobalt	0.04878	0.0050	0.05	0	97.6	80-120	0.04604	5.78	15	
Copper	0.04894	0.0050	0.05	0	97.9	80-120	0.047	4.04	15	
Iron	5.36	0.20	5	0.4267	98.7	80-120	5.023	6.49	15	
Lead	0.04695	0.0050	0.05	0	93.9	80-120	0.04665	0.641	15	
Magnesium	14.37	0.20	5	8.916	109	80-120	14.11	1.83	15	
Manganese	0.08289	0.0050	0.05	0.03071	104	80-120	0.07702	7.34	15	
Molybdenum	0.0488	0.0050	0.05	0	97.6	80-120	0.04832	0.988	15	
Nickel	0.04927	0.0050	0.05	0	98.5	80-120	0.04626	6.3	15	
Potassium	7.651	0.20	5	2.576	102	80-120	7.427	2.97	15	
Selenium	0.05057	0.0050	0.05	0	101	80-120	0.04622	8.99	15	
Silver	0.04613	0.0050	0.05	0	92.3	80-120	0.04578	0.762	15	
Sodium	197.1	0.20	5	177.1	400	80-120	193.2	2	15	SEO
Vanadium	0.05584	0.0050	0.05	0.005986	99.7	80-120	0.05233	6.49	15	
Zinc	0.05193	0.0050	0.05	0.003672	96.5	80-120	0.0498	4.19	15	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1205999
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 61460 Instrument ID ICPMS03 Method: SW6020

DUP Sample ID: 1205937-01EDUP Units: mg/L Analysis Date: 5/30/2012 08:29 PM
 Client ID: Run ID: ICPMS03_120530A SeqNo: 2801335 Prep Date: 5/30/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.5715	0.010	0	0	0	0-0	0.5125	10.9	25	
Arsenic	0.002538	0.0050	0	0	0	0-0	0.002327	0	25	J
Barium	0.2584	0.0050	0	0	0	0-0	0.2375	8.43	25	
Beryllium	ND	0.0020	0	0	0	0-0	0.0001179	0	25	
Boron	0.06367	0.050	0	0	0	0-0	0.05887	7.83	25	
Cadmium	ND	0.0020	0	0	0	0-0	0.0001285	0	25	
Calcium	61.84	0.50	0	0	0	0-0	56.3	9.38	25	
Chromium	ND	0.0050	0	0	0	0-0	0.0009115	0	25	
Cobalt	ND	0.0050	0	0	0	0-0	0.0004666	0	25	
Copper	ND	0.0050	0	0	0	0-0	0.0009528	0	25	
Iron	0.4597	0.20	0	0	0	0-0	0.4267	7.45	25	
Lead	ND	0.0050	0	0	0	0-0	0.0004137	0	25	
Magnesium	9.764	0.20	0	0	0	0-0	8.916	9.08	25	
Manganese	0.0343	0.0050	0	0	0	0-0	0.03071	11	25	
Molybdenum	ND	0.0050	0	0	0	0-0	0.001447	0	25	
Nickel	ND	0.0050	0	0	0	0-0	0.0005556	0	25	
Phosphorus	2.861	0.20	0	0	0	0-0	2.576	10.5	25	
Selenium	ND	0.0050	0	0	0	0-0	0.0005805	0	25	
Silver	ND	0.0050	0	0	0	0-0	-0.0002436	0	25	
Sodium	194.6	0.20	0	0	0	0-0	177.1	9.42	25	E
Vanadium	0.006707	0.0050	0	0	0	0-0	0.005986	11.4	25	
Zinc	0.002683	0.0050	0	0	0	0-0	0.003672	0	25	J

The following samples were analyzed in this batch:

1205999-01B

Client: Navajo Refining Company
 Work Order: 1205999
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 61328 Instrument ID SV-3 Method: SW8270

MBLK Sample ID: SBLKW1-120524-61328 Units: µg/L Analysis Date: 5/24/2012 11:50 AM

Client ID: Run ID: SV-3_120524B SeqNo: 2797813 Prep Date: 5/24/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	ND	5.0								
2,4,5-Trichlorophenol	ND	5.0								
2,4,6-Trichlorophenol	ND	5.0								
2,4-Dinitrotoluene	ND	5.0								
2-Methylnaphthalene	ND	5.0								
2-Methylphenol	ND	5.0								
2-Nitroaniline	ND	5.0								
2-Nitrophenol	ND	5.0								
3&4-Methylphenol	ND	5.0								
3-Nitroaniline	ND	5.0								
4-Nitroaniline	ND	5.0								
4-Nitrophenol	ND	5.0								
Acenaphthene	ND	5.0								
Acenaphthylene	ND	5.0								
Aniline	ND	5.0								
Anthracene	ND	5.0								
Benz(a)anthracene	ND	5.0								
Benzidine	ND	5.0								
Hexachlorobenzene	ND	5.0								
Hexachloroethane	ND	5.0								
Indeno(1,2,3-cd)pyrene	ND	5.0								
Isophorone	ND	5.0								
Naphthalene	ND	5.0								
Nitrobenzene	ND	5.0								
N-Nitrosodimethylamine	ND	5.0								
N-Nitrosodi-n-propylamine	ND	5.0								
N-Nitrosodiphenylamine	ND	5.0								
Pentachlorophenol	ND	5.0								
Phenanthrene	ND	5.0								
Phenol	ND	5.0								
Pyrene	ND	5.0								
Pyridine	ND	5.0								
Surr: 2,4,6-Tribromophenol	95.01	5.0	100	C	95	42-124		0		
Surr: 2-Fluorobiphenyl	101.3	5.0	100	C	101	48-120		0		
Surr: 2-Fluorophenol	98.53	5.0	100	C	98.5	20-120		0		
Surr: 4-Terphenyl-d14	108.2	5.0	100	C	108	51-135		0		
Surr: Nitrobenzene-d5	104.3	5.0	100	C	104	41-120		0		
Surr: Phenol-d6	88.15	5.0	100	C	88.1	20-120		0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1205999
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 61328 Instrument ID SV-3 Method: SW8270

LCS Sample ID: SLCSW1-120524-61328 Units: µg/L Analysis Date: 5/24/2012 12:12 PM
 Client ID: Run ID: SV-3_120524B SeqNo: 2797814 Prep Date: 5/24/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	49.02	5.0	50	0	98	50-120	0			
2,4,5-Trichlorophenol	90.12	5.0	100	0	90.1	50-120	0			
2,4,6-Trichlorophenol	91.87	5.0	100	0	91.9	50-120	0			
2,4-Dinitrotoluene	49.31	5.0	50	0	98.6	50-120	0			
2-Methylnaphthalene	49.32	5.0	50	0	98.6	55-120	0			
2-Methylphenol	81.59	5.0	100	0	81.6	50-120	0			
2-Nitroaniline	47.04	5.0	50	0	94.1	55-120	0			
2-Nitrophenol	94.02	5.0	100	0	94	55-120	0			
3&4-Methylphenol	131.9	5.0	150	0	87.9	55-120	0			
3-Nitroaniline	22.88	5.0	50	0	45.8	40-120	0			
4-Nitroaniline	36.1	5.0	50	0	72.2	50-120	0			
4-Nitrophenol	93.15	5.0	100	0	93.2	45-120	0			
Acenaphthene	49.6	5.0	50	0	99.2	55-120	0			
Acenaphthylene	48.78	5.0	50	0	97.6	55-120	0			
Aniline	15.64	5.0	50	0	31.3	30-120	0			
Anthracene	53.85	5.0	50	0	108	55-120	0			
Ben(a)anthracene	51.51	5.0	50	0	103	55-120	0			
Ben(b)fluoranthene	6.528	5.0	50	0	13.1	10-120	0			
Hexachlorobenzene	54.39	5.0	50	0	109	55-120	0			
Hexachloroethane	47.33	5.0	50	0	94.7	55-120	0			
Indeno(1,2,3-cd)pyrene	48.08	5.0	50	0	96.2	55-120	0			
Isophorone	48.15	5.0	50	0	96.3	55-120	0			
Naphthalene	50.78	5.0	50	0	102	55-120	0			
Nitrobenzene	50.75	5.0	50	0	101	55-120	0			
N-Nitrosodimethylamine	46	5.0	50	0	92	45-120	0			
N-Nitrosodi-n-propylamine	43.69	5.0	50	0	87.4	50-120	0			
N-Nitrosodiphenylamine	54.56	5.0	50	0	109	55-120	0			
Pentachlorophenol	102.8	5.0	100	0	103	55-120	0			
Phenanthrene	49.76	5.0	50	0	99.5	55-120	0			
Phenol	83.06	5.0	100	0	83.1	50-120	0			
Pyrene	53.09	5.0	50	0	106	55-120	0			
Pyridine	36.51	5.0	50	0	73	35-120	0			
Surr: 2,4,6-Tribromophenol	98.04	5.0	100	0	98	42-124	0			
Surr: 2-Fluorobiphenyl	94.9	5.0	100	0	94.9	48-120	0			
Surr: 2-Fluorophenol	106.5	5.0	100	0	106	20-120	0			
Surr: 4-Terphenyl-d14	102.5	5.0	100	0	103	51-135	0			
Surr: Nitrobenzene-d5	101.2	5.0	100	0	101	41-120	0			
Surr: Phenol-d6	96.03	5.0	100	0	96	20-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1205999
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: 61328 Instrument ID SV-3 Method: SW8270

LCSD Sample ID: SLCSDW1-120524-61328 Units: µg/L Analysis Date: 5/24/2012 12:34 PM

Client ID: Run ID: SV-3_120524B SeqNo: 2797815 Prep Date: 5/24/2012 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	49.23	5.0	50	()	98.5	50-120	49.02	0.445	20	
2,4,5-Trichlorophenol	92.13	5.0	100	()	92.1	50-120	90.12	2.2	20	
2,4,6-Trichlorophenol	89.59	5.0	100	()	89.6	50-120	91.87	2.51	20	
2,4-Dinitrotoluene	47.7	5.0	50	()	95.4	50-120	49.31	3.32	20	
2-Methylnaphthalene	49.28	5.0	50	()	98.6	55-120	49.32	0.0781	20	
2-Methylphenol	79.56	5.0	100	()	79.6	50-120	81.59	2.51	20	
2-Nitroaniline	45.02	5.0	50	()	90	55-120	47.04	4.39	20	
2-Nitrophenol	93.81	5.0	100	()	93.8	55-120	94.02	0.227	20	
3&4-Methylphenol	126.3	5.0	150	()	84.2	55-120	131.9	4.35	20	
3-Nitroaniline	23.64	5.0	50	()	47.3	40-120	22.88	3.29	20	
4-Nitroaniline	40.09	5.0	50	()	80.2	50-120	36.1	10.5	20	
4-Nitrophenol	95.25	5.0	100	()	95.3	45-120	93.15	2.23	20	
Acenaphthene	50.3	5.0	50	()	101	55-120	49.6	1.41	20	
Acenaphthylene	49.95	5.0	50	()	99.9	55-120	48.78	2.38	20	
Aniline	15.54	5.0	50	()	31.1	30-120	15.64	0.622	20	
Anthracene	55.58	5.0	50	()	111	55-120	53.85	3.15	20	
Benz(a)anthracene	50.92	5.0	50	()	102	55-120	51.51	1.15	20	
Benzidine	5.35	5.0	50	()	10.7	10-120	6.528	19.8	20	
Hexachlorobenzene	55.08	5.0	50	()	110	55-120	54.39	1.26	20	
Hexachloroethane	47.35	5.0	50	()	94.7	55-120	47.33	0.0577	20	
Indeno(1,2,3-cd)pyrene	47.48	5.0	50	()	95	55-120	48.08	1.25	20	
Isophorone	46.6	5.0	50	()	93.2	55-120	48.15	3.26	20	
Naphthalene	52.29	5.0	50	()	105	55-120	50.78	2.94	20	
Nitrobenzene	50.23	5.0	50	()	100	55-120	50.75	1.03	20	
N-Nitrosodimethylamine	46.57	5.0	50	()	93.1	45-120	46	1.23	20	
N-Nitrosodi-n-propylamine	41.43	5.0	50	()	82.9	50-120	43.69	5.3	20	
N-Nitrosodiphenylamine	54.68	5.0	50	()	109	55-120	54.56	0.235	20	
Pentachlorophenol	105	5.0	100	()	105	55-120	102.8	2.06	20	
Phenanthrene	51.75	5.0	50	()	103	55-120	49.76	3.91	20	
Phenol	81.49	5.0	100	()	81.5	50-120	83.06	1.91	20	
Pyrene	52.05	5.0	50	()	104	55-120	53.09	1.98	20	
Pyridine	38.08	5.0	50	()	76.2	35-120	36.51	4.2	20	
Surr: 2,4,6-Tribromophenol	97.22	5.0	100	()	97.2	42-124	98.04	0.843	20	
Surr: 2-Fluorobiphenyl	96.62	5.0	100	()	96.6	48-120	94.9	1.79	20	
Surr: 2-Fluorophenol	105.3	5.0	100	()	105	20-120	106.5	1.14	20	
Surr: 4-Terphenyl-d14	99.78	5.0	100	()	99.8	51-135	102.5	2.69	20	
Surr: Nitrobenzene-d5	98.49	5.0	100	()	98.5	41-120	101.2	2.75	20	
Surr: Phenol-d6	92.61	5.0	100	()	92.6	20-120	96.03	3.63	20	

The following samples were analyzed in this batch:

1205999-01E

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1205999
 Project: Injection Well Quarterly

QC BATCH REPORT

B. ID: R128528 Instrument ID VOA1 Method: SW8260

MBLK Sample ID: VBLKW-052512-R128528 Units: µg/L Analysis Date: 5/27/2012 12:55 PM

Client ID: Run ID: VOA1_120527B SeqNo: 2797182 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
2-Butanone	ND	10								
2-Chloroethyl vinyl ether	ND	10								
2-Hexanone	ND	10								
4-Methyl-2-pentanone	ND	10								
Acetone	ND	10								
Benzene	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	10								
C ₂ tetrachloride	ND	5.0								
C ₆ benzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								
Ethylbenzene	ND	5.0								
m,p-Xylene	ND	10								
Methylene chloride	ND	10								
Styrene	ND	5.0								
Tetrachloroethene	ND	5.0								
Toluene	ND	5.0								
trans-1,3-Dichloropropene	ND	5.0								
Trichloroethene	ND	5.0								
Vinyl acetate	ND	10								
Vinyl chloride	ND	2.0								
Xylenes, Total	ND	15								
Surr: 1,2-Dichloroethane-d4	50.06	5.0	50	0	100	70-125	0			
Surr: 4-Bromofluorobenzene	49.08	5.0	50	0	98.2	72-125	0			
Surr: Dibromofluoromethane	49.93	5.0	50	0	99.9	71-125	0			
Surr: Toluene-d8	48.31	5.0	50	0	96.6	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1205999
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **R128528** Instrument ID **VOA1** Method: **SW8260**

LCS Sample ID: VLCSW-052712-R128528				Units: µg/L		Analysis Date: 5/27/2012 12:03 PM				
Client ID:		Run ID: VOA1_120527B		SeqNo: 2797181		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	44.54	5.0	50	0	89.1	80-120	0			
1,1,2,2-Tetrachloroethane	43.41	5.0	50	0	86.8	72-120	0			
1,1,2-Trichloroethane	47.08	5.0	50	0	94.2	80-120	0			
1,1-Dichloroethane	47.66	5.0	50	0	95.3	76-120	0			
1,1-Dichloroethene	45.9	5.0	50	0	91.8	73-124	0			
1,2-Dichloroethane	48.96	5.0	50	0	97.9	78-120	0			
2-Butanone	94.7	10	100	0	94.7	58-132	0			
2-Chloroethyl vinyl ether	107	10	100	0	107	74-120	0			
2-Hexanone	93.55	10	100	0	93.6	61-130	0			
4-Methyl-2-pentanone	95.65	10	100	0	95.7	65-127	0			
Acetone	89.43	10	100	0	89.4	59-137	0			
Benzene	49.14	5.0	50	0	98.3	73-121	0			
Bromodichloromethane	47.51	5.0	50	0	95	80-120	0			
Bromoform	44.9	5.0	50	0	89.8	79-120	0			
Bromomethane	50.52	5.0	50	0	101	66-137	0			
Carbon disulfide	91.72	10	100	0	91.7	68-141	0			
Carbon tetrachloride	45.65	5.0	50	0	91.3	75-124	0			
Chlorobenzene	43.49	5.0	50	0	87	80-120	0			
Chloroethane	49.23	5.0	50	0	98.5	76-121	0			
Chloroform	44.86	5.0	50	0	89.7	80-120	0			
Chloromethane	44.18	5.0	50	0	88.4	67-123	0			
cis-1,3-Dichloropropene	47.84	5.0	50	0	95.7	80-120	0			
Dibromochloromethane	47.11	5.0	50	0	94.2	80-120	0			
Ethylbenzene	44	5.0	50	0	88	80-120	0			
m,p-Xylene	84.76	10	100	0	84.8	78-121	0			
Methylene chloride	44.89	10	50	0	89.8	65-133	0			
Styrene	43.91	5.0	50	0	87.8	80-120	0			
Tetrachloroethene	43.46	5.0	50	0	86.9	79-120	0			
Toluene	42.62	5.0	50	0	85.2	80-120	0			
trans-1,3-Dichloropropene	47.9	5.0	50	0	95.8	80-120	0			
Trichloroethene	46.87	5.0	50	0	93.7	80-120	0			
Vinyl acetate	94.67	10	100	0	94.7	67-139	0			
Vinyl chloride	45.19	2.0	50	0	90.4	70-127	0			
Xylenes, Total	130	15	150	0	86.7	80-120	0			
Surr: 1,2-Dichloroethane-d4	48.19	5.0	50	0	96.4	70-125	0			
Surr: 4-Bromofluorobenzene	49.34	5.0	50	0	98.7	72-125	0			
Surr: Dibromofluoromethane	48.35	5.0	50	0	96.7	71-125	0			
Surr: Toluene-d8	45.86	5.0	50	0	91.7	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1205999
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R128528 Instrument ID VOA1 Method: SW8260

MS Sample ID: 12051116-10AMS Units: µg/L Analysis Date: 5/27/2012 04:23 PM

Client ID: Run ID: VOA1_120527B SeqNo: 2798136 Prep Date: DF: 10

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	417.4	50	500	0	83.5	80-120	0			
1,1,2,2-Tetrachloroethane	428.4	50	500	0	85.7	72-120	0			
1,1,2-Trichloroethane	454.8	50	500	0	91	80-120	0			
1,1-Dichloroethane	437.6	50	500	0	87.5	76-120	0			
1,1-Dichloroethene	420.3	50	500	0	84.1	73-124	0			
1,2-Dichloroethane	492.6	50	500	0	98.5	78-120	0			
2-Butanone	857.5	100	1000	0	85.7	58-132	0			
2-Chloroethyl vinyl ether	ND	100	1000	0	0	74-120	0			S
2-Hexanone	905.9	100	1000	0	90.6	61-130	0			
4-Methyl-2-pentanone	976.2	100	1000	0	97.6	65-127	0			
Acetone	804.7	100	1000	848.9	-4.42	59-137	0			S
Benzene	1322	50	500	887.6	86.9	73-121	0			
Bromodichloromethane	465	50	500	0	93	80-120	0			
Bromoform	465	50	500	0	93	79-120	0			
Bromomethane	400.1	50	500	0	80	66-137	0			
Carbon disulfide	779.3	100	1000	0	77.9	68-141	0			
Carbon tetrachloride	430.4	50	500	0	86.1	75-124	0			
Chlorobenzene	454.1	50	500	0	90.8	80-120	0			
Chloroethane	405	50	500	0	81	76-121	0			
Chloroform	455.9	50	500	0	91.2	80-120	0			
Chloromethane	378.5	50	500	0	75.7	67-123	0			
cis-1,3-Dichloropropene	459.3	50	500	0	91.9	80-120	0			
Dibromochloromethane	457.5	50	500	0	91.5	80-120	0			
Ethylbenzene	423.3	50	500	0	84.7	80-120	0			
m,p-Xylene	852	100	1000	0	85.2	78-121	0			
Methylene chloride	387.9	100	500	0	77.6	65-133	0			
Styrene	446.6	50	500	0	89.3	80-120	0			
Tetrachloroethene	372.9	50	500	0	74.6	79-120	0			S
Toluene	435.9	50	500	0	87.2	80-120	0			
trans-1,3-Dichloropropene	499.2	50	500	0	99.8	80-120	0			
Trichloroethene	433.4	50	500	0	86.7	80-120	0			
Vinyl acetate	915.1	100	1000	0	91.5	67-139	0			
Vinyl chloride	384.5	20	500	0	76.9	70-127	0			
Xylenes, Total	1269	150	1500	0	84.6	80-120	0			
Surr: 1,2-Dichloroethane-d4	481	50	500	0	96.2	70-125	0			
Surr: 4-Bromofluorobenzene	499.9	50	500	0	100	72-125	0			
Surr: Dibromofluoromethane	490.8	50	500	0	98.2	71-125	0			
Surr: Toluene-d8	489.9	50	500	0	98	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1205999
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R128528 Instrument ID VOA1 Method: SW8260

MSD Sample ID: 12051116-10AMSD				Units: µg/L		Analysis Date: 5/27/2012 04:50 PM				
Client ID:		Run ID: VOA1_120527B		SeqNo: 2798137		Prep Date:		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	512.6	50	500	0	103	80-120	417.4	20.5	20	R
1,1,2,2-Tetrachloroethane	486.2	50	500	0	97.2	72-120	428.4	12.6	20	
1,1,2-Trichloroethane	469.4	50	500	0	93.9	80-120	454.8	3.16	20	
1,1-Dichloroethane	507.7	50	500	0	102	76-120	437.6	14.8	20	
1,1-Dichloroethene	514.3	50	500	0	103	73-124	420.3	20.1	20	R
1,2-Dichloroethane	471.5	50	500	0	94.3	78-120	492.6	4.37	20	
2-Butanone	974	100	1000	0	97.4	58-132	857.5	12.7	20	
2-Chloroethyl vinyl ether	ND	100	1000	0	0	74-120	0	0	20	S
2-Hexanone	996.5	100	1000	0	99.7	61-130	905.9	9.53	20	
4-Methyl-2-pentanone	1052	100	1000	0	105	65-127	976.2	7.49	20	
Acetone	912.1	100	1000	848.9	6.32	59-137	804.7	12.5	20	S
Benzene	1192	50	500	887.6	60.9	73-121	1322	10.4	20	S
Bromodichloromethane	470.5	50	500	0	94.1	80-120	465	1.16	20	
Bromoform	481.1	50	500	0	96.2	79-120	465	3.4	20	
Bromomethane	527.9	50	500	0	106	66-137	400.1	27.5	20	R
Carbon disulfide	967	100	1000	0	96.7	68-141	779.3	21.5	20	R
Carbon tetrachloride	444.7	50	500	0	88.9	75-124	430.4	3.29	20	
Chlorobenzene	465.6	50	500	0	93.1	80-120	454.1	2.5	20	
Chloroethane	532.9	50	500	0	107	76-121	405	27.3	20	R
Chloroform	514.5	50	500	0	103	80-120	455.9	12.1	20	
Chloromethane	456.2	50	500	0	91.2	67-123	378.5	18.6	20	
cis-1,3-Dichloropropene	469.3	50	500	0	93.9	80-120	459.3	2.16	20	
Dibromochloromethane	483	50	500	0	96.6	80-120	457.5	5.42	20	
Ethylbenzene	464.5	50	500	0	92.9	80-120	423.3	9.28	20	
m,p-Xylene	934.5	100	1000	0	93.4	78-121	852	9.23	20	
Methylene chloride	515.3	100	500	0	103	65-133	387.9	28.2	20	R
Styrene	467.6	50	500	0	93.5	80-120	446.6	4.6	20	
Tetrachloroethene	438.2	50	500	0	87.6	79-120	372.9	16.1	20	
Toluene	453.7	50	500	0	90.7	80-120	435.9	4	20	
trans-1,3-Dichloropropene	501.7	50	500	0	100	80-120	499.2	0.509	20	
Trichloroethene	467.6	50	500	0	93.5	80-120	433.4	7.59	20	
Vinyl acetate	1040	100	1000	0	104	67-139	915.1	12.8	20	
Vinyl chloride	472	20	500	0	94.4	70-127	384.5	20.4	20	R
Xylenes, Total	1398	150	1500	0	93.2	80-120	1269	9.67	20	
Surr: 1,2-Dichloroethane-d4	485.6	50	500	0	97.1	70-125	481	0.945	20	
Surr: 4-Bromofluorobenzene	505.1	50	500	0	101	72-125	499.9	1.04	20	
Surr: Dibromofluoromethane	544.5	50	500	0	109	71-125	490.8	10.4	20	
Surr: Toluene-d8	478.8	50	500	0	95.8	75-125	489.9	2.3	20	

The following samples were analyzed in this batch:

1205999-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
Work Order: 1205999
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **R128783** Instrument ID **WetChem** Method: **M2510 B** (Dissolve)

MBLK Sample ID: **WBLKW1-060112-R128783** Units: $\mu\text{mhos/cm}$ Analysis Date: **6/1/2012 12:00 PM**

Client ID: Run ID: **WETCHEM_120601A** SeqNo: **2803695** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Specific Conductivity	ND	1.0								

LCS Sample ID: **WLCSW1-060112-R128783** Units: $\mu\text{mhos/cm}$ Analysis Date: **6/1/2012 12:00 PM**

Client ID: Run ID: **WETCHEM_120601A** SeqNo: **2803696** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Specific Conductivity	1420	1.0	1413		0	100	80-120	0		

DUP Sample ID: **12051021-01GDUP** Units: $\mu\text{mhos/cm}$ Analysis Date: **6/1/2012 12:00 PM**

Client ID: Run ID: **WETCHEM_120601A** SeqNo: **2803714** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Specific Conductivity	343	1.0	0		0	0	342	0.292	20	

The following samples were analyzed in this batch: 1205999-01D

Client: Navajo Refining Company
 Work Order: 1205999
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R128810 Instrument ID WetChem Method: SW1010 (Dissolve)

LCS Sample ID: WLC-S-060112-R128810 Units: °F Analysis Date: 6/1/2012 03:45 PM

Client ID: Run ID: WETCHEM_120601E SeqNo: 2804237 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ignitability	86	50	83		0	104	80-120	0		

LCSD Sample ID: WLCSD-060112-R128810 Units: °F Analysis Date: 6/1/2012 03:45 PM

Client ID: Run ID: WETCHEM_120601E SeqNo: 2804247 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ignitability	85	50	83		0	102	80-120	86	1.17	25

DUP Sample ID: 12051036-01CDUP Units: °F Analysis Date: 6/1/2012 03:45 PM

Client ID: Run ID: WETCHEM_120601E SeqNo: 2804248 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ignitability	86	50	0		0	0	0-0	85	1.17	25

The following samples were analyzed in this batch:

1205999-01D

Client: Navajo Refining Company
 Work Order: 1205999
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R128866 Instrument ID WetChem Method: SM2320B (Dissolve)

MBLK Sample ID: WBLKW1-060412-R128866 Units: mg/L Analysis Date: 6/4/2012 09:23 AM

Client ID: Run ID: WETCHEM_120604A SeqNo: 2805657 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	5.0								
Alkalinity, Carbonate (As CaCO3)	ND	5.0								
Alkalinity, Hydroxide (As CaCO3)	ND	5.0								
Alkalinity, Total (As CaCO3)	ND	5.0								

LCS Sample ID: WLCSW1-060412-R128866 Units: mg/L Analysis Date: 6/4/2012 09:23 AM

Client ID: Run ID: WETCHEM_120604A SeqNo: 2805658 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	1054	5.0	1000		0	105	80-120	0		

DUP Sample ID: 12051008-01GDUP Units: mg/L Analysis Date: 6/4/2012 09:23 AM

Client ID: Run ID: WETCHEM_120604A SeqNo: 2805682 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	271.5	5.0	0	0	0	0-0	270.4	0.41	20	
Alkalinity, Carbonate (As CaCO3)	ND	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	ND	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Total (As CaCO3)	271.5	5.0	0	0	0	0-0	270.4	0.41	20	

The following samples were analyzed in this batch:

1205999-01C

Client: Navajo Refining Company
Work Order: 1205999
Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: **R128869** Instrument ID **WetChem** Method: **SW9040** (Dissolve)

LCS Sample ID: **WLCSW1-053012-R128869** Units: **pH units** Analysis Date: **5/30/2012 05:00 PM**

Client ID: Run ID: **WETCHEM_1205300** SeqNo: **2805754** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.01	0.10	6	0	100	90-110	0			

DUP Sample ID: **12051212-01ZDUP** Units: **pH units** Analysis Date: **5/30/2012 05:00 PM**

Client ID: Run ID: **WETCHEM_1205300** SeqNo: **2805757** Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	7.41	0.10	0	0	0	0-0	7.39	0.27	20	

The following samples were analyzed in this batch:

1205999-01C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Navajo Refining Company
 Work Order: 1205999
 Project: Injection Well Quarterly

QC BATCH REPORT

Batch ID: R128879 Instrument ID ICS3K2 Method: E300 (Dissolve)

MBLK Sample ID: WBLKW1-060412-R128879 Units: mg/L Analysis Date: 6/4/2012 02:25 AM

Client ID: Run ID: ICS3K2_120604A SeqNo: 2805913 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	0.459	0.50								J
Sulfate	ND	0.50								
Surr: Selenate (surr)	5.97	0.10	6	0	99.5	85-115	0			

LCS Sample ID: WLCSW1-060412-R128879 Units: mg/L Analysis Date: 6/4/2012 02:47 AM

Client ID: Run ID: ICS3K2_120604A SeqNo: 2805915 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	18.73	0.50	20	0	93.6	90-110	0			
Sulfate	19.12	0.50	20	0	95.6	90-110	0			
Surr: Selenate (surr)	5.319	0.10	5	0	106	85-115	0			

MS Sample ID: 1205999-01CMS Units: mg/L Analysis Date: 6/4/2012 09:18 AM

Client ID: Injection Well Effluent Run ID: ICS3K2_120604A SeqNo: 2805954 Prep Date: DF: 10

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	597.6	5.0	100	646.1	-48.6	80-120	0			SO
Sulfate	2070	5.0	100	2240	-170	80-120	0			SEO
Surr: Selenate (surr)	101.4	1.0	50	0	203	85-115	0			S

MSD Sample ID: 1205999-01CMSD Units: mg/L Analysis Date: 6/4/2012 09:39 AM

Client ID: Injection Well Effluent Run ID: ICS3K2_120604A SeqNo: 2805957 Prep Date: DF: 10

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	602.5	5.0	100	646.1	-43.6	80-120	597.6	0.824	20	SO
Sulfate	2088	5.0	100	2240	-152	80-120	2070	0.875	20	SEO
Surr: Selenate (surr)	102.4	1.0	50	0	205	85-115	101.4	1.02	20	S

MSD Sample ID: 1205999-01CMS Units: mg/L Analysis Date: 6/4/2012 04:02 PM

Client ID: Injection Well Effluent Run ID: ICS3K2_120604A SeqNo: 2806528 Prep Date: DF: 100

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	1583	50	1000	637.2	94.6	80-120	597.6	0	20	
Sulfate	3161	50	1000	2224	93.7	80-120	2070	0	20	
Surr: Selenate (surr)	515.3	10	500	0	103	85-115	101.4	0	20	

The following samples were analyzed in this batch:

1205999-01C

ALS Environmental

Date: 05-Jun-12

Client: Navajo Refining Company
Project: Injection Well Quarterly
WorkOrder: 1205999

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

<u>Units Reported</u>	<u>Description</u>
°F	Fahrenheit degrees
µmhos/cm	
mg/Kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
pH units	

ALS Environmental

Sample Receipt Checklist

Client Name: **NAVAJO REFINING**

Date/Time Received: **23-May-12 08:45**

Work Order: **1205999**

Received by: **RNG**

Checklist completed by **Raymond N Gamboa**

23-May-12

Reviewed by: **Hector Coronado**

13-Jun-12

eSignature

Date

eSignature

Date

Matrices: **Liquid**

Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	

Temperature(s)/Thermometer(s):

1.7c

003

Cooler(s)/Kit(s):

4236

Water - VOA vials have zero headspace? Yes ☒ No ☐ No VOA vials submitted ☐

Water - pH acceptable upon receipt? Yes ☐ No ☐ N/A ☒

pH adjusted? Yes ☐ No ☐ N/A ☒

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



ALS Laboratory Group
10450 Stancil Rd. #210
Houston, Texas 77099
(Tel) 281.530.5656
(Fax) 281.530.5887

Chain of Custody Form

Page 1 of 1

1205999

NAVAJO REFINING: Navajo Refining Company

Project: Injection Well Quarterly



ALS Project Manager: Chris Bryson

Customer Information				Project Information				Parameters																
Purchase Order	Project Name	Project Number	Project Name	A	VOC (8260) Select	B	SVOC (8270) Select	C	Total Metals (6020 / 7000) Select	D	R.C.I. Profile	E	Anions (300) Cl, SO4	F	Alkalinity	G	pH	H	Conductivity	I	TDS	J	Hold	
Work Order			Injection Well Quarterly																					
Company Name	Navajo Refining Company	Bill To Company	Navajo Refining Company																					
Send Report To	Aaron Strange	Invoice Attn	Aaron Strange																					
Address	P. O. Box 159	Address	501 East Main																					
City/State/Zip	Artesia, New Mexico 88211-0159	City/State/Zip	Artesia, New Mexico 88210																					
Phone	(575) 748-3311	Phone	(575) 748-3311																					
Fax	(575) 746-5451	Fax	(575) 746-5451																					
e-Mail Address	A.Strange@hollyfronier.com	e-Mail Address	A.Strange@hollyfronier.com																					
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold							
1	Injection Well Effluent	5/21/12	13:15	Liquid	Yes	9	X	X	X	X	X	X	X	X	X	X								
2	Trip Blank																							
3	Temperature Blank																							
4																								
5																								
6																								
7																								
8																								
9																								
10																								
Sampler(s): Please Print & Sign. Aaron Strange				Shipment Method: FedEx			Required Turnaround Time: ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ Other			Results Due Date:														
Relinquished by:				Date: 5-22-12			Time: 16:15			Received by:														
Relinquished by:				Date: 5-22-12			Time: 16:15			Received by:														
Logged by (Laboratory):				Date: 5-22-12			Time: 16:15			Received by:														
Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NAOH 5-Na2S2O3 6-NAHSO4 7-Other 8-4 degrees C 9-5035				Cooler Temp:			QC Package: (Check Box Below)																	
										Level II: Standard QC			Level III: Std QC + Raw Data			Level IV: SW846 CLP-Like			Other:			TRRP-Checklist		
																						TRRP Level IV		

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.

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APPENDIX E

FLUIDS AND PRESSURE CALCULATIONS

APPENDIX E-1

HISTORICAL RATES, PRESSURES, AND VOLUMES

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
04/01/00	247.39	301.38	133.21	340.57			
04/02/00	247.39	301.38	133.21	340.57			
04/03/00	247.39	301.38	133.21	340.57			
04/04/00	247.39	301.38	133.21	340.57			
04/05/00	247.39	301.38	133.21	340.57			
04/06/00	247.39	301.38	133.21	340.57			
04/07/00	247.39	301.38	133.21	340.57			
04/08/00	247.39	301.38	133.21	340.57			
04/09/00	247.39	301.38	133.21	340.57			
04/10/00	247.39	301.38	133.21	340.57			
04/11/00	247.39	301.38	133.21	340.57			
04/12/00	247.39	301.38	133.21	340.57			
04/13/00	247.39	301.38	133.21	340.57			
04/14/00	247.39	301.38	133.21	340.57			
04/15/00	247.39	301.38	133.21	340.57			
04/16/00	247.39	301.38	133.21	340.57			
04/17/00	247.39	301.38	133.21	340.57			
04/18/00	247.39	301.38	133.21	340.57			
04/19/00	247.39	301.38	133.21	340.57			
04/20/00	247.39	301.38	133.21	340.57			
04/21/00	247.39	301.38	133.21	340.57			
04/22/00	247.39	301.38	133.21	340.57			
04/23/00	247.39	301.38	133.21	340.57			
04/24/00	247.39	301.38	133.21	340.57			
04/25/00	247.39	301.38	133.21	340.57			
04/26/00	247.39	301.38	133.21	340.57			
04/27/00	247.39	301.38	133.21	340.57			
04/28/00	247.39	301.38	133.21	340.57			
04/29/00	247.39	301.38	133.21	340.57			
04/30/00	247.39	301.38	133.21	340.57			
05/01/00	247.39	301.38	133.21	340.57			
05/02/00	247.39	301.38	133.21	340.57			
05/03/00	247.39	301.38	133.21	340.57			
05/04/00	247.39	301.38	133.21	340.57			
05/05/00	247.39	301.38	133.21	340.57			
05/06/00	247.39	301.38	133.21	340.57			
05/07/00	247.39	301.38	133.21	340.57			
05/08/00	247.39	301.38	133.21	340.57			
05/09/00	247.39	301.38	133.21	340.57			
05/10/00	247.39	301.38	133.21	340.57			
05/11/00	247.39	301.38	133.21	340.57			
05/12/00	247.39	301.38	133.21	340.57			
05/13/00	247.39	301.38	133.21	340.57			
05/14/00	247.39	301.38	133.21	340.57			
05/15/00	247.39	301.38	133.21	340.57			
05/16/00	247.39	301.38	133.21	340.57			
05/17/00	247.39	301.38	133.21	340.57			
05/18/00	247.39	301.38	133.21	340.57			
05/19/00	247.39	301.38	133.21	340.57			
05/20/00	247.39	301.38	133.21	340.57			
05/21/00	247.39	301.38	133.21	340.57			
05/22/00	247.39	301.38	133.21	340.57			
05/23/00	247.39	301.38	133.21	340.57			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
05/24/00	247.39	301.38	133.21	340.57			
05/25/00	247.39	301.38	133.21	340.57			
05/26/00	247.39	301.38	133.21	340.57			
05/27/00	247.39	301.38	133.21	340.57			
05/28/00	247.39	301.38	133.21	340.57			
05/29/00	247.39	301.38	133.21	340.57			
05/30/00	247.39	301.38	133.21	340.57			
05/31/00	247.39	301.38	133.21	340.57			
06/01/00	247.39	301.38	133.21	340.57			
06/02/00	247.39	301.38	133.21	340.57			
06/03/00	247.39	301.38	133.21	340.57			
06/04/00	247.39	301.38	133.21	340.57			
06/05/00	247.39	301.38	133.21	340.57			
06/06/00	247.39	301.38	133.21	340.57			
06/07/00	247.39	301.38	133.21	340.57			
06/08/00	247.39	301.38	133.21	340.57			
06/09/00	247.39	301.38	133.21	340.57			
06/10/00	247.39	301.38	133.21	340.57			
06/11/00	247.39	301.38	133.21	340.57			
06/12/00	247.39	301.38	133.21	340.57			
06/13/00	247.39	301.38	133.21	340.57			
06/14/00	247.39	301.38	133.21	340.57			
06/15/00	247.39	301.38	133.21	340.57			
06/16/00	247.39	301.38	133.21	340.57			
06/17/00	247.39	301.38	133.21	340.57			
06/18/00	247.39	301.38	133.21	340.57			
06/19/00	247.39	301.38	133.21	340.57			
06/20/00	247.39	301.38	133.21	340.57			
06/21/00	247.39	301.38	133.21	340.57			
06/22/00	247.39	301.38	133.21	340.57			
06/23/00	247.39	301.38	133.21	340.57			
06/24/00	247.39	301.38	133.21	340.57			
06/25/00	247.39	301.38	133.21	340.57			
06/26/00	247.39	301.38	133.21	340.57			
06/27/00	247.39	301.38	133.21	340.57			
06/28/00	247.39	301.38	133.21	340.57			
06/29/00	247.39	301.38	133.21	340.57			
06/30/00	247.39	301.38	133.21	340.57			
07/01/00	247.39	301.38	133.21	340.57			
07/02/00	247.39	301.38	133.21	340.57			
07/03/00	247.39	301.38	133.21	340.57			
07/04/00	247.39	301.38	133.21	340.57			
07/05/00	247.39	301.38	133.21	340.57			
07/06/00	247.39	301.38	133.21	340.57			
07/07/00	247.39	301.38	133.21	340.57			
07/08/00	247.39	301.38	133.21	340.57			
07/09/00	247.39	301.38	133.21	340.57			
07/10/00	247.39	301.38	133.21	340.57			
07/11/00	247.39	301.38	133.21	340.57			
07/12/00	247.39	301.38	133.21	340.57			
07/13/00	247.39	301.38	133.21	340.57			
07/14/00	247.39	301.38	133.21	340.57			
07/15/00	247.39	301.38	133.21	340.57			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
07/16/00	247.39	301.38	133.21	340.57			
07/17/00	247.39	301.38	133.21	340.57			
07/18/00	247.39	301.38	133.21	340.57			
07/19/00	247.39	301.38	133.21	340.57			
07/20/00	247.39	301.38	133.21	340.57			
07/21/00	247.39	301.38	133.21	340.57			
07/22/00	247.39	301.38	133.21	340.57			
07/23/00	247.39	301.38	133.21	340.57			
07/24/00	247.39	301.38	133.21	340.57			
07/25/00	247.39	301.38	133.21	340.57			
07/26/00	247.39	301.38	133.21	340.57			
07/27/00	247.39	301.38	133.21	340.57			
07/28/00	247.39	301.38	133.21	340.57			
07/29/00	247.39	301.38	133.21	340.57			
07/30/00	247.39	301.38	133.21	340.57			
07/31/00	247.39	301.38	133.21	340.57			
08/01/00	247.39	301.38	133.21	340.57			
08/02/00	247.39	301.38	133.21	340.57			
08/03/00	247.39	301.38	133.21	340.57			
08/04/00	247.39	301.38	133.21	340.57			
08/05/00	247.39	301.38	133.21	340.57			
08/06/00	247.39	301.38	133.21	340.57			
08/07/00	247.39	301.38	133.21	340.57			
08/08/00	247.39	301.38	133.21	340.57			
08/09/00	247.39	301.38	133.21	340.57			
08/10/00	247.39	301.38	133.21	340.57			
08/11/00	247.39	301.38	133.21	340.57			
08/12/00	247.39	301.38	133.21	340.57			
08/13/00	247.39	301.38	133.21	340.57			
08/14/00	247.39	301.38	133.21	340.57			
08/15/00	247.39	301.38	133.21	340.57			
08/16/00	247.39	301.38	133.21	340.57			
08/17/00	247.39	301.38	133.21	340.57			
08/18/00	247.39	301.38	133.21	340.57			
08/19/00	247.39	301.38	133.21	340.57			
08/20/00	247.39	301.38	133.21	340.57			
08/21/00	247.39	301.38	133.21	340.57			
08/22/00	247.39	301.38	133.21	340.57			
08/23/00	247.39	301.38	133.21	340.57			
08/24/00	247.39	301.38	133.21	340.57			
08/25/00	247.39	301.38	133.21	340.57			
08/26/00	247.39	301.38	133.21	340.57			
08/27/00	247.39	301.38	133.21	340.57			
08/28/00	247.39	301.38	133.21	340.57			
08/29/00	247.39	301.38	133.21	340.57			
08/30/00	247.39	301.38	133.21	340.57			
08/31/00	247.39	301.38	133.21	340.57			
09/01/00	247.39	301.38	133.21	340.57			
09/02/00	247.39	301.38	133.21	340.57			
09/03/00	247.39	301.38	133.21	340.57			
09/04/00	247.39	301.38	133.21	340.57			
09/05/00	247.39	301.38	133.21	340.57			
09/06/00	247.39	301.38	133.21	340.57			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1		WDW-2		WDW-3	
Date	Rate	Pres	Rate	Pres	Date
09/07/00	247.39	301.38	133.21	340.57	
09/08/00	247.39	301.38	133.21	340.57	
09/09/00	247.39	301.38	133.21	340.57	
09/10/00	247.39	301.38	133.21	340.57	
09/11/00	247.39	301.38	133.21	340.57	
09/12/00	247.39	301.38	133.21	340.57	
09/13/00	247.39	301.38	133.21	340.57	
09/14/00	247.39	301.38	133.21	340.57	
09/15/00	247.39	301.38	133.21	340.57	
09/16/00	247.39	301.38	133.21	340.57	
09/17/00	247.39	301.38	133.21	340.57	
09/18/00	247.39	301.38	133.21	340.57	
09/19/00	247.39	301.38	133.21	340.57	
09/20/00	247.39	301.38	133.21	340.57	
09/21/00	247.39	301.38	133.21	340.57	
09/22/00	247.39	301.38	133.21	340.57	
09/23/00	247.39	301.38	133.21	340.57	
09/24/00	247.39	301.38	133.21	340.57	
09/25/00	247.39	301.38	133.21	340.57	
09/26/00	247.39	301.38	133.21	340.57	
09/27/00	247.39	301.38	133.21	340.57	
09/28/00	247.39	301.38	133.21	340.57	
09/29/00	247.39	301.38	133.21	340.57	
09/30/00	247.39	301.38	133.21	340.57	
10/01/00	247.39	301.38	133.21	340.57	
10/02/00	247.39	301.38	133.21	340.57	
10/03/00	247.39	301.38	133.21	340.57	
10/04/00	247.39	301.38	133.21	340.57	
10/05/00	247.39	301.38	133.21	340.57	
10/06/00	247.39	301.38	133.21	340.57	
10/07/00	247.39	301.38	133.21	340.57	
10/08/00	247.39	301.38	133.21	340.57	
10/09/00	247.39	301.38	133.21	340.57	
10/10/00	247.39	301.38	133.21	340.57	
10/11/00	247.39	301.38	133.21	340.57	
10/12/00	247.39	301.38	133.21	340.57	
10/13/00	247.39	301.38	133.21	340.57	
10/14/00	247.39	301.38	133.21	340.57	
10/15/00	247.39	301.38	133.21	340.57	
10/16/00	247.39	301.38	133.21	340.57	
10/17/00	247.39	301.38	133.21	340.57	
10/18/00	247.39	301.38	133.21	340.57	
10/19/00	247.39	301.38	133.21	340.57	
10/20/00	247.39	301.38	133.21	340.57	
10/21/00	247.39	301.38	133.21	340.57	
10/22/00	247.39	301.38	133.21	340.57	
10/23/00	247.39	301.38	133.21	340.57	
10/24/00	247.39	301.38	133.21	340.57	
10/25/00	247.39	301.38	133.21	340.57	
10/26/00	247.39	301.38	133.21	340.57	
10/27/00	247.39	301.38	133.21	340.57	
10/28/00	247.39	301.38	133.21	340.57	
10/29/00	247.39	301.38	133.21	340.57	

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

		WDW-1		WDW-2				WDW-3	
Date		Rate	Pres	Rate	Pres	Date		Rate	Pres
10/30/00		247.39	301.38	133.21	340.57				
10/31/00		247.39	301.38	133.21	340.57				
11/01/00		247.39	301.38	133.21	340.57				
11/02/00		247.39	301.38	133.21	340.57				
11/03/00		247.39	301.38	133.21	340.57				
11/04/00		247.39	301.38	133.21	340.57				
11/05/00		247.39	301.38	133.21	340.57				
11/06/00		247.39	301.38	133.21	340.57				
11/07/00		247.39	301.38	133.21	340.57				
11/08/00		247.39	301.38	133.21	340.57				
11/09/00		247.39	301.38	133.21	340.57				
11/10/00		247.39	301.38	133.21	340.57				
11/11/00		247.39	301.38	133.21	340.57				
11/12/00		247.39	301.38	133.21	340.57				
11/13/00		247.39	301.38	133.21	340.57				
11/14/00		247.39	301.38	133.21	340.57				
11/15/00		247.39	301.38	133.21	340.57				
11/16/00		247.39	301.38	133.21	340.57				
11/17/00		247.39	301.38	133.21	340.57				
11/18/00		247.39	301.38	133.21	340.57				
11/19/00		247.39	301.38	133.21	340.57				
11/20/00		247.39	301.38	133.21	340.57				
11/21/00		247.39	301.38	133.21	340.57				
11/22/00		247.39	301.38	133.21	340.57				
11/23/00		247.39	301.38	133.21	340.57				
11/24/00		247.39	301.38	133.21	340.57				
11/25/00		247.39	301.38	133.21	340.57				
11/26/00		247.39	301.38	133.21	340.57				
11/27/00		247.39	301.38	133.21	340.57				
11/28/00		247.39	301.38	133.21	340.57				
11/29/00		247.39	301.38	133.21	340.57				
11/30/00		247.39	301.38	133.21	340.57				
12/01/00		247.39	301.38	133.21	340.57				
12/02/00		247.39	301.38	133.21	340.57				
12/03/00		247.39	301.38	133.21	340.57				
12/04/00		247.39	301.38	133.21	340.57				
12/05/00		247.39	301.38	133.21	340.57				
12/06/00		247.39	301.38	133.21	340.57				
12/07/00		247.39	301.38	133.21	340.57				
12/08/00		247.39	301.38	133.21	340.57				
12/09/00		247.39	301.38	133.21	340.57				
12/10/00		247.39	301.38	133.21	340.57				
12/11/00		247.39	301.38	133.21	340.57				
12/12/00		247.39	301.38	133.21	340.57				
12/13/00		247.39	301.38	133.21	340.57				
12/14/00		247.39	301.38	133.21	340.57				
12/15/00		247.39	301.38	133.21	340.57				
12/16/00		247.39	301.38	133.21	340.57				
12/17/00		247.39	301.38	133.21	340.57				
12/18/00		247.39	301.38	133.21	340.57				
12/19/00		247.39	301.38	133.21	340.57				
12/20/00		247.39	301.38	133.21	340.57				
12/21/00		247.39	301.38	133.21	340.57				

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
12/22/00	247.39	301.38	133.21	340.57			
12/23/00	247.39	301.38	133.21	340.57			
12/24/00	245.43	298.88	132.60	343.28			
12/25/00	216.37	244.75	118.89	293.54			
12/26/00	205.09	268.31	119.17	314.73			
12/27/00	246.65	339.95	218.50	394.81			
12/28/00	284.01	412.33	302.08	397.96			
12/29/00	269.25	373.63	159.25	374.19			
12/30/00	237.31	317.49	147.29	333.14			
12/31/00	245.52	319.49	146.88	338.87			
01/01/01	208.64	252.54	126.59	303.59			
01/02/01	190.40	220.50	118.58	265.76			
01/03/01	213.36	277.24	128.84	328.92			
01/04/01	229.65	303.23	124.63	332.92			
01/05/01	219.32	293.21	131.58	346.80			
01/06/01	207.76	258.86	124.20	309.94			
01/07/01	220.15	280.53	129.51	335.89			
01/08/01	221.79	294.05	129.79	350.21			
01/09/01	217.30	287.62	125.50	344.64			
01/10/01	225.57	305.26	131.11	362.87			
01/11/01	220.17	290.04	127.76	346.24			
01/12/01	084.91	118.56	144.46	441.50			
01/13/01	110.59	099.81	104.37	327.97			
01/14/01	218.03	162.39	050.45	156.08			
01/15/01	148.39	086.36	129.68	374.57			
01/16/01	317.66	194.30	105.15	260.97			
01/17/01	297.76	164.24	101.80	232.42			
01/18/01	257.36	127.62	083.25	170.04			
01/19/01	292.31	145.25	000.88	000.65			
01/20/01	235.38	146.03	071.80	242.69			
01/21/01	287.67	187.20	094.63	246.83			
01/22/01	272.21	154.15	074.36	194.41			
01/23/01	246.76	132.72	066.83	184.09			
01/24/01	268.03	188.38	078.78	248.18			
01/25/01	218.40	138.08	059.42	184.75			
01/26/01	239.49	165.40	070.51	215.64			
01/27/01	223.67	099.14	050.16	130.13			
01/28/01	260.83	165.56	006.20	015.37			
01/29/01	249.94	179.21	058.82	199.34			
01/30/01	257.02	163.88	066.15	223.54			
01/31/01	295.61	227.47	035.00	130.09			
02/01/01	258.84	183.56	078.10	077.46			
02/02/01	285.62	206.51	122.20	134.60			
02/03/01	256.49	226.72	000.72	000.01			
02/04/01	252.78	186.67	054.59	060.14			
02/05/01	208.59	116.73	145.70	140.57			
02/06/01	273.39	233.95	050.66	060.05			
02/07/01	234.12	164.45	064.57	056.09			
02/08/01	255.61	201.51	057.40	059.25			
02/09/01	290.26	265.23	000.43	000.00			
02/10/01	261.31	246.48	000.63	000.00			
02/11/01	283.16	246.65	000.51	000.01			
02/12/01	293.91	277.74	000.47	000.00			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
02/13/01	250.72	177.73	139.56	170.14			
02/14/01	246.00	179.86	152.98	193.68			
02/15/01	222.58	153.33	176.46	189.72			
02/16/01	207.06	142.05	163.06	175.16			
02/17/01	232.05	172.86	095.93	114.48			
02/18/01	271.89	294.57	000.30	000.00			
02/19/01	249.28	249.01	000.42	000.00			
02/20/01	283.89	297.82	000.38	000.02			
02/21/01	263.62	258.16	000.33	000.05			
02/22/01	270.52	239.51	000.36	000.04			
02/23/01	247.20	211.70	000.29	000.07			
02/24/01	276.57	288.67	000.35	000.06			
02/25/01	260.10	271.37	000.23	000.08			
02/26/01	283.43	292.77	000.27	000.05			
02/27/01	289.80	282.94	000.21	000.08			
02/28/01	292.19	290.97	000.24	000.06			
03/01/01	260.34	198.19	113.76	152.48			
03/02/01	223.39	153.02	139.22	161.24			
03/03/01	261.12	219.34	071.16	082.20			
03/04/01	284.43	264.53	000.46	000.00			
03/05/01	290.66	291.97	000.41	000.00			
03/06/01	270.16	267.50	000.50	000.00			
03/07/01	272.28	276.84	000.44	000.00			
03/08/01	281.18	287.93	007.09	008.98			
03/09/01	218.86	140.38	171.96	190.35			
03/10/01	201.34	130.85	165.72	178.13			
03/11/01	279.93	282.07	031.72	035.16			
03/12/01	235.91	195.27	000.48	000.00			
03/13/01	225.04	170.99	000.60	000.01			
03/14/01	281.18	292.66	000.52	000.00			
03/15/01	248.54	236.45	000.58	000.00			
03/16/01	268.93	270.18	000.58	000.00			
03/17/01	252.53	211.38	000.55	000.01			
03/18/01	236.25	200.19	000.64	000.00			
03/19/01	247.16	222.54	000.62	000.00			
03/20/01	223.04	176.78	000.54	000.00			
03/21/01	229.29	172.86	000.54	000.00			
03/22/01	214.62	148.81	000.40	000.00			
03/23/01	248.56	226.23	000.09	000.00			
03/24/01	261.44	253.57	000.14	000.00			
03/25/01	232.89	224.83	000.23	000.00			
03/26/01	214.79	154.48	000.18	000.00			
03/27/01	192.47	104.77	000.19	000.00			
03/28/01	214.73	184.36	000.19	000.00			
03/29/01	220.44	173.66	000.21	000.00			
03/30/01	230.92	210.87	000.17	000.00			
03/31/01	226.26	177.12	000.11	000.00			
04/01/01	188.74	139.94	000.15	000.00			
04/02/01	231.66	210.76	000.12	000.00			
04/03/01	227.31	207.72	000.15	000.00			
04/04/01	234.71	264.45	000.16	000.00			
04/05/01	258.22	298.35	000.11	000.00			
04/06/01	257.11	264.45	000.16	000.00			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1		WDW-2		WDW-3	
Date	Rate	Pres	Rate	Pres	Date
04/07/01	251.26	254.50	000.19	000.00	
04/08/01	265.43	301.80	000.17	000.00	
04/09/01	258.45	266.39	040.59	052.90	
04/10/01	145.18	063.74	138.99	091.92	
04/11/01	200.51	192.68	090.48	103.12	
04/12/01	272.27	302.27	000.54	000.00	
04/13/01	196.07	157.76	131.83	127.81	
04/14/01	245.89	246.22	062.38	073.22	
04/15/01	207.32	191.68	000.84	000.00	
04/16/01	214.61	206.11	000.98	000.00	
04/17/01	245.94	274.21	000.70	000.00	
04/18/01	248.23	282.57	000.43	000.00	
04/19/01	264.78	313.33	000.40	000.00	
04/20/01	218.01	224.87	000.50	000.00	
04/21/01	250.72	262.75	000.52	000.00	
04/22/01	255.07	284.21	000.28	000.00	
04/23/01	233.33	234.61	000.15	000.00	
04/24/01	219.61	219.61	000.18	000.00	
04/25/01	256.39	307.97	000.18	000.00	
04/26/01	261.07	318.71	000.14	000.00	
04/27/01	257.23	295.76	000.19	000.00	
04/28/01	240.87	265.02	000.21	000.00	
04/29/01	257.61	299.68	000.27	000.00	
04/30/01	246.12	267.95	039.50	045.49	
05/01/01	237.32	271.48	087.81	111.95	
05/02/01	206.29	188.03	139.84	153.55	
05/03/01	205.22	160.97	130.25	163.06	
05/04/01	195.11	172.99	147.63	163.78	
05/05/01	230.46	247.15	057.78	074.81	
05/06/01	251.73	304.30	000.69	000.00	
05/07/01	177.12	162.26	084.94	108.02	
05/08/01	244.91	290.15	031.15	044.86	
05/09/01	222.80	238.54	149.48	205.58	
05/10/01	239.53	275.78	000.60	000.00	
05/11/01	222.65	247.98	063.70	061.96	
05/12/01	171.34	136.86	156.85	179.94	
05/13/01	193.09	193.36	169.94	242.32	
05/14/01	163.36	117.80	154.83	160.80	
05/15/01	200.72	210.83	079.56	102.38	
05/16/01	246.26	294.90	000.85	000.17	
05/17/01	100.34	121.34	124.32	217.28	
05/18/01	149.54	189.21	090.98	159.32	
05/19/01	188.30	189.06	086.40	092.52	
05/20/01	199.50	181.00	184.21	249.74	
05/21/01	195.03	201.07	179.45	245.88	
05/22/01	176.62	168.13	168.10	214.98	
05/23/01	163.30	162.22	142.05	179.28	
05/24/01	223.72	297.06	077.18	119.70	
05/25/01	193.46	205.52	170.76	236.87	
05/26/01	172.38	177.51	164.76	218.27	
05/27/01	199.15	224.41	142.03	221.85	
05/28/01	173.76	173.51	166.94	223.32	
05/29/01	142.96	114.97	142.59	154.26	

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
05/30/01	164.45	155.54	154.34	190.94			
05/31/01	129.92	136.51	123.13	147.57			
06/01/01	133.24	122.92	130.35	151.61			
06/02/01	164.83	167.05	158.65	201.13			
06/03/01	159.56	151.29	154.06	181.32			
06/04/01	142.08	122.29	139.33	149.34			
06/05/01	132.99	131.47	133.49	154.71			
06/06/01	176.68	204.43	163.10	232.96			
06/07/01	176.46	211.39	160.96	236.68			
06/08/01	189.41	232.77	166.04	254.31			
06/09/01	167.15	209.30	103.72	153.67			
06/10/01	177.24	192.29	161.86	231.62			
06/11/01	177.50	193.55	163.49	232.61			
06/12/01	163.38	159.17	152.84	196.56			
06/13/01	223.92	308.65	035.01	037.39			
06/14/01	177.68	188.54	152.31	222.31			
06/15/01	162.71	144.23	152.49	183.30			
06/16/01	162.87	157.03	151.91	194.86			
06/17/01	191.71	213.16	168.02	258.21			
06/18/01	177.97	187.05	146.54	205.30			
06/19/01	168.96	157.62	152.26	195.06			
06/20/01	145.46	130.39	137.64	161.05			
06/21/01	119.45	082.00	113.14	097.02			
06/22/01	154.83	155.40	139.12	167.38			
06/23/01	129.85	104.16	118.80	124.37			
06/24/01	159.47	163.20	143.47	186.57			
06/25/01	162.47	191.31	141.67	209.81			
06/26/01	148.19	141.51	133.10	159.96			
06/27/01	151.74	160.78	145.16	192.61			
06/28/01	162.29	183.26	156.10	223.46			
06/29/01	174.30	232.68	033.99	046.82			
06/30/01	233.64	338.07	000.68	000.00			
07/01/01	236.84	332.45	044.15	069.43			
07/02/01	182.12	210.17	163.92	244.73			
07/03/01	178.09	212.84	149.10	228.00			
07/04/01	192.39	228.46	170.32	266.81			
07/05/01	208.80	295.45	041.53	043.31			
07/06/01	221.15	292.34	073.86	130.29			
07/07/01	212.38	285.64	044.57	065.49			
07/08/01	218.45	305.08	045.36	075.23			
07/09/01	240.83	348.64	000.91	000.00			
07/10/01	226.36	335.37	000.84	000.00			
07/11/01	162.10	190.82	127.20	204.21			
07/12/01	173.73	200.81	133.30	217.06			
07/13/01	226.99	329.08	000.86	000.00			
07/14/01	199.17	247.50	135.75	207.88			
07/15/01	194.30	237.39	171.51	275.45			
07/16/01	194.83	236.24	172.53	275.09			
07/17/01	174.03	211.59	160.68	247.80			
07/18/01	179.46	214.83	165.15	254.63			
07/19/01	201.73	259.13	172.07	279.61			
07/20/01	181.00	225.52	171.68	272.37			
07/21/01	164.43	178.61	157.09	221.80			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
07/22/01	195.09	255.17	074.30	103.08			
07/23/01	201.71	265.19	000.74	000.00			
07/24/01	193.29	233.04	000.93	000.00			
07/25/01	240.17	349.68	000.96	000.00			
07/26/01	205.53	260.66	083.01	124.15			
07/27/01	200.58	232.79	097.78	138.47			
07/28/01	214.40	295.98	075.19	131.41			
07/29/01	183.44	210.03	135.08	206.41			
07/30/01	179.86	213.92	100.75	146.85			
07/31/01	215.35	309.62	000.15	000.00			
08/01/01	220.28	308.54	075.02	136.09			
08/02/01	217.29	312.60	029.83	032.24			
08/03/01	250.09	375.93	000.39	000.00			
08/04/01	248.94	373.39	000.27	000.00			
08/05/01	214.15	277.18	090.29	154.50			
08/06/01	152.06	147.30	135.72	185.78			
08/07/01	218.67	305.36	015.65	014.50			
08/08/01	229.17	330.86	000.18	000.00			
08/09/01	214.39	278.82	115.49	211.74			
08/10/01	211.01	274.90	120.51	176.65			
08/11/01	186.61	247.18	165.42	297.05			
08/12/01	169.17	204.03	152.96	255.70			
08/13/01	210.21	312.10	058.88	114.14			
08/14/01	218.87	319.20	011.16	020.12			
08/15/01	218.22	296.37	162.82	308.11			
08/16/01	227.98	353.60	187.78	379.39			
08/17/01	249.32	419.40	204.15	423.82			
08/18/01	228.68	348.42	181.19	362.94			
08/19/01	197.29	244.29	166.70	287.04			
08/20/01	168.45	177.54	103.72	130.38			
08/21/01	214.79	276.81	000.19	000.00			
08/22/01	208.04	259.24	056.82	090.51			
08/23/01	180.82	214.28	155.62	249.07			
08/24/01	195.70	256.89	168.29	293.63			
08/25/01	188.80	247.38	162.43	284.32			
08/26/01	176.47	234.97	149.45	269.86			
08/27/01	206.16	286.25	145.21	281.10			
08/28/01	119.33	150.53	149.12	292.99			
08/29/01	060.98	077.56	091.51	182.93			
08/30/01	122.81	149.54	031.88	067.36			
08/31/01	123.75	051.06	092.12	181.61			
09/01/01	171.86	117.21	172.83	294.73			
09/02/01	262.47	182.88	153.36	237.62			
09/03/01	220.24	158.02	128.00	184.89			
09/04/01	239.48	154.88	043.03	062.46			
09/05/01	268.04	208.25	000.19	000.01			
09/06/01	256.06	212.04	000.14	000.01			
09/07/01	290.11	237.35	000.24	000.04			
09/08/01	218.59	146.76	078.86	097.13			
09/09/01	252.38	178.59	055.69	079.50			
09/10/01	272.81	205.50	000.17	000.00			
09/11/01	286.01	228.38	000.20	000.00			
09/12/01	276.33	218.14	000.17	000.00			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
09/13/01	295.88	246.95	000.20	000.00			
09/14/01	256.43	203.26	000.17	000.00			
09/15/01	279.35	228.75	000.16	000.00			
09/16/01	257.19	200.56	000.14	000.00			
09/17/01	270.73	229.18	000.12	000.00			
09/18/01	263.80	207.66	000.12	000.01			
09/19/01	263.89	206.07	000.18	000.02			
09/20/01	283.32	240.89	000.18	000.03			
09/21/01	271.43	224.52	000.17	000.02			
09/22/01	261.69	186.69	087.67	139.65			
09/23/01	286.85	242.24	000.20	000.00			
09/24/01	243.15	182.54	000.13	000.00			
09/25/01	272.09	227.65	000.29	000.00			
09/26/01	250.31	191.31	072.23	103.47			
09/27/01	158.59	107.80	098.53	134.89			
09/28/01	270.46	211.72	061.39	093.90			
09/29/01	282.02	255.77	000.28	000.00			
09/30/01	285.37	265.64	000.30	000.00			
10/01/01	297.68	276.25	000.18	000.00			
10/02/01	264.63	199.94	078.61	121.91			
10/03/01	240.71	165.20	136.95	207.54			
10/04/01	206.22	144.60	127.18	178.84			
10/05/01	262.25	220.10	047.55	065.70			
10/06/01	282.99	245.60	000.17	000.02			
10/07/01	255.76	217.22	040.44	063.17			
10/08/01	249.72	186.33	074.72	117.67			
10/09/01	263.39	239.15	000.23	000.00			
10/10/01	245.11	187.01	077.96	115.02			
10/11/01	193.77	148.21	138.74	211.11			
10/12/01	240.90	190.33	147.08	238.09			
10/13/01	270.95	245.84	071.57	122.68			
10/14/01	268.43	237.68	082.75	145.84			
10/15/01	249.18	201.30	084.00	143.40			
10/16/01	289.41	292.69	000.14	000.00			
10/17/01	274.07	268.16	000.17	000.00			
10/18/01	259.25	242.97	000.16	000.00			
10/19/01	261.69	257.21	000.13	000.00			
10/20/01	290.44	293.75	000.17	000.00			
10/21/01	267.88	266.71	000.16	000.00			
10/22/01	291.53	301.48	000.13	000.00			
10/23/01	277.98	272.10	000.15	000.00			
10/24/01	272.66	260.93	000.22	000.00			
10/25/01	282.89	285.21	000.18	000.00			
10/26/01	290.73	307.42	000.15	000.00			
10/27/01	285.46	293.39	000.16	000.00			
10/28/01	231.61	178.43	100.66	164.56			
10/29/01	295.08	300.43	000.17	000.00			
10/30/01	259.65	239.24	000.15	000.00			
10/31/01	241.40	233.84	041.47	072.61			
11/01/01	243.69	200.71	141.48	243.98			
11/02/01	241.29	202.57	151.29	251.05			
11/03/01	231.46	183.62	146.16	234.28			
11/04/01	212.15	175.52	109.53	170.90			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
11/05/01	283.58	305.59	000.12	000.00			
11/06/01	245.35	240.51	000.15	000.00			
11/07/01	265.57	270.84	000.21	000.00			
11/08/01	254.88	269.18	000.19	000.00			
11/09/01	268.20	303.54	000.17	000.00			
11/10/01	270.91	306.33	000.21	000.00			
11/11/01	253.44	269.88	000.09	000.00			
11/12/01	277.64	308.74	000.20	000.00			
11/13/01	269.76	304.80	000.14	000.00			
11/14/01	270.91	306.08	000.18	000.00			
11/15/01	218.47	212.15	145.68	258.73			
11/16/01	211.27	198.43	139.02	245.07			
11/17/01	185.13	163.06	118.67	192.59			
11/18/01	229.29	229.84	046.16	088.18			
11/19/01	266.12	302.63	000.20	000.00			
11/20/01	254.99	277.02	000.21	000.00			
11/21/01	241.74	281.52	000.17	000.00			
11/22/01	269.11	305.22	020.62	039.02			
11/23/01	170.91	150.26	117.52	189.05			
11/24/01	164.88	142.42	109.27	168.30			
11/25/01	223.35	222.19	122.14	216.95			
11/26/01	188.48	184.72	122.94	216.10			
11/27/01	230.15	244.12	094.09	174.95			
11/28/01	210.95	218.71	143.04	272.64			
11/29/01	071.29	066.04	038.18	071.54			
11/30/01	026.75	049.12	000.00	019.40			
12/01/01	049.27	090.38	000.00	035.57			
12/02/01	071.80	131.64	000.00	051.74			
12/03/01	094.32	172.91	000.00	067.91			
12/04/01	116.85	214.17	000.00	084.08			
12/05/01	139.37	255.43	000.00	100.25			
12/06/01	161.90	296.70	000.00	116.42			
12/07/01	184.42	337.96	000.00	132.59			
12/08/01	206.95	379.23	000.00	148.76			
12/09/01	229.47	420.49	000.00	164.93			
12/10/01	252.00	461.75	000.00	181.10			
12/11/01	254.08	496.16	011.32	217.05			
12/12/01	189.09	499.86	118.00	387.70			
12/13/01	205.27	499.86	137.00	440.25			
12/14/01	213.31	499.86	143.72	457.50			
12/15/01	214.67	499.86	128.72	424.48			
12/16/01	223.28	499.86	137.23	441.90			
12/17/01	212.74	499.86	139.03	440.08			
12/18/01	213.03	499.86	153.50	474.93			
12/19/01	210.56	499.86	133.39	437.32			
12/20/01	203.53	499.86	132.11	430.24			
12/21/01	241.52	499.86	155.14	463.95			
12/22/01	244.45	499.86	168.38	489.21			
12/23/01	229.74	499.86	166.31	479.50			
12/24/01	218.10	499.86	158.52	469.50			
12/25/01	223.52	499.86	162.10	473.16			
12/26/01	203.23	499.86	217.02	470.23			
12/27/01	188.56	499.86	144.21	451.04			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
12/28/01	221.47	499.86	159.13	471.84			
12/29/01	226.86	499.86	160.73	474.25			
12/30/01	225.64	499.86	159.74	476.04			
12/31/01	228.19	499.86	162.33	484.57			
01/01/02	333.38	499.86	145.08	484.92			
01/02/02	207.39	499.86	143.74	454.84			
01/03/02	226.39	499.86	155.76	481.56			
01/04/02	227.09	499.86	143.62	468.48			
01/05/02	211.99	499.86	147.46	462.33			
01/06/02	228.97	499.86	159.83	484.14			
01/07/02	226.49	499.86	158.69	480.87			
01/08/02	223.51	499.86	154.33	475.56			
01/09/02	222.67	499.86	152.35	476.65			
01/10/02	221.09	499.86	151.58	472.51			
01/11/02	210.97	499.86	144.82	463.16			
01/12/02	229.85	499.86	157.02	484.28			
01/13/02	227.71	499.86	156.80	481.54			
01/14/02	211.20	499.86	149.40	463.49			
01/15/02	220.14	499.86	151.26	471.75			
01/16/02	220.07	499.86	152.19	478.42			
01/17/02	212.07	499.86	133.49	447.68			
01/18/02	210.48	499.86	147.62	474.40			
01/19/02	212.15	499.86	146.61	468.50			
01/20/02	223.70	499.86	154.47	484.98			
01/21/02	200.01	499.86	139.02	450.31			
01/22/02	206.71	499.86	145.73	469.24			
01/23/02	169.97	499.86	121.37	424.07			
01/24/02	215.93	499.86	151.08	479.88			
01/25/02	199.39	499.86	138.40	465.24			
01/26/02	195.86	499.86	134.08	447.67			
01/27/02	209.42	499.86	146.70	466.74			
01/28/02	204.02	499.86	140.33	461.57			
02/01/02	257.80	310.10	041.53	092.91			
02/02/02	210.13	245.38	111.43	244.19			
02/03/02	249.93	285.78	145.88	324.11			
02/04/02	262.40	330.63	154.12	368.77			
02/05/02	258.69	319.26	148.14	357.58			
02/06/02	259.67	326.96	152.38	366.86			
02/07/02	267.47	358.46	136.73	333.39			
02/08/02	304.60	424.89	093.27	229.56			
02/09/02	310.54	426.79	176.71	427.88			
02/10/02	296.15	391.45	168.07	400.22			
02/11/02	260.62	349.09	148.41	341.78			
02/12/02	239.12	339.64	123.86	280.32			
02/13/02	200.23	179.34	099.38	247.80			
02/14/02	245.91	146.19	045.73	000.46			
02/15/02	196.24	003.16	092.96	003.81			
02/16/02	344.50	006.80	094.11	008.19			
02/17/02	387.41	010.45	095.25	012.57			
02/18/02	370.93	014.09	096.40	016.95			
02/19/02	339.26	017.73	097.54	021.32			
02/20/02	291.34	021.37	098.69	025.70			
02/21/02	236.58	025.01	099.84	030.08			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
02/22/02	238.61	028.65	100.98	034.46			
02/23/02	206.46	032.29	102.13	038.84			
02/24/02	224.62	035.93	103.28	043.22			
02/25/02	216.36	039.58	104.42	047.59			
02/26/02	199.50	043.22	105.57	051.97			
02/27/02	246.02	046.86	106.71	056.35			
02/28/02	352.61	050.50	107.86	060.73			
03/01/02	357.34	054.14	109.01	065.11			
03/02/02	351.61	057.78	110.15	069.49			
03/03/02	370.63	061.42	111.30	073.86			
03/04/02	329.05	065.06	112.45	078.24			
03/05/02	297.14	068.71	113.59	082.62			
03/06/02	254.39	072.35	114.74	087.00			
03/07/02	256.84	075.99	115.88	091.38			
03/08/02	258.40	079.63	117.03	095.76			
03/09/02	309.84	083.27	118.18	100.14			
03/10/02	308.87	086.91	119.32	104.51			
03/11/02	250.75	090.55	120.47	108.89			
03/12/02	259.87	094.19	121.62	113.27			
03/13/02	318.62	097.84	122.76	117.65			
03/14/02	266.33	101.48	123.91	122.03			
03/15/02	260.40	105.12	125.05	126.41			
03/16/02	223.02	108.76	126.20	130.78			
03/17/02	264.38	112.40	127.35	135.16			
03/18/02	210.99	116.04	128.49	139.54			
03/19/02	184.90	119.68	129.64	143.92			
03/20/02	221.73	123.32	130.78	148.30			
03/21/02	268.11	126.97	131.93	152.68			
03/22/02	223.07	130.61	133.08	157.05			
03/23/02	184.58	134.25	134.22	161.43			
03/24/02	227.72	137.89	135.37	165.81			
03/25/02	262.80	141.53	136.52	170.19			
03/26/02	184.75	145.17	137.66	174.57			
03/27/02	188.34	148.81	138.81	178.95			
03/28/02	205.80	152.45	139.95	183.33			
03/29/02	245.05	156.10	141.10	187.70			
03/30/02	235.80	159.74	142.25	192.08			
03/31/02	242.48	163.38	143.39	196.46			
04/01/02	273.07	167.02	144.54	200.84			
04/02/02	203.40	170.66	145.69	205.22			
04/03/02	211.11	174.30	146.83	209.60			
04/04/02	231.56	177.94	147.98	213.97			
04/05/02	177.92	181.01	148.94	217.66			
06/04/02	120.40	314.95	122.46	146.22			
06/05/02	181.96	499.86	109.48	107.25			
06/06/02	220.53	499.86	062.43	061.51			
06/07/02	275.03	499.86	000.57	000.04			
06/08/02	243.12	499.86	081.86	106.61			
06/09/02	242.65	499.86	146.63	236.60			
06/10/02	209.91	499.86	136.68	182.41			
06/11/02	241.80	499.86	149.20	225.49			
06/12/02	223.58	499.86	141.12	194.49			
06/13/02	229.94	486.81	140.34	201.91			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

					WDW-3		
WDW-1		WDW-2		Date			Date
Date	Rate	Pres	Rate		Rate	Pres	
06/14/02	244.62	499.86	146.83				
06/15/02	220.90	499.86	119.95				
06/16/02	248.92	499.86	158.43				
06/17/02	249.44	499.86	151.25				
06/18/02	219.68	499.86	137.70				
06/19/02	206.75	499.86	121.65				
06/20/02	226.99	357.63	133.16				
06/21/02	283.76	266.44	060.00				
06/22/02	263.02	205.94	148.76				
06/23/02	229.46	132.50	094.70				
06/24/02	350.43	059.06	067.82				
06/25/02	404.59	003.40	003.90				
06/26/02	391.67	000.00	000.00				
06/27/02	355.36	000.00	000.00				
06/28/02	397.00	000.00	000.00				
06/29/02	400.70	000.00	000.00				
06/30/02	321.32	000.00	000.00				
07/01/02	287.03	000.00	000.00				
07/02/02	276.47	018.40	000.29				
07/03/02	269.87	000.00	000.00				
07/04/02	226.30	240.73	072.58				
07/05/02	230.23	499.86	161.08				
07/06/02	226.77	499.86	153.31				
07/07/02	193.64	499.86	131.26				
07/08/02	173.61	499.86	115.42				
07/09/02	199.34	499.86	133.01				
07/10/02	177.99	499.86	117.31				
07/11/02	201.03	499.86	131.19				
07/12/02	192.99	499.86	127.16				
07/13/02	218.05	499.86	140.60				
07/14/02	203.75	499.86	132.31				
07/15/02	167.22	499.86	109.86				
07/16/02	186.50	499.86	119.84				
07/17/02	198.82	499.86	131.43				
07/18/02	222.52	499.86	142.18				
07/19/02	204.57	499.86	132.12				
07/20/02	207.04	499.86	130.54				
07/21/02	209.08	499.86	134.52				
07/22/02	196.62	499.86	125.67				
07/23/02	189.65	499.86	121.68				
07/24/02	199.80	499.86	128.47				
07/25/02	227.32	499.86	134.38				
07/26/02	198.91	499.86	132.40				
07/27/02	181.64	499.86	116.23				
07/28/02	186.28	499.86	119.69				
07/29/02	169.99	499.86	105.79				
07/30/02	163.51	499.86	108.15				
07/31/02	177.07	499.86	112.74				
08/01/02	231.55	499.86	147.10				
08/02/02	231.55	499.86	129.15				
08/03/02	231.55	499.86	145.77				
08/04/02	231.55	499.86	122.12				
08/05/02	231.55	499.86	110.11				

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
08/06/02	231.55	499.86	104.00	136.35			
08/07/02	222.00	393.84	075.68	111.99			
08/08/02	214.13	272.45	057.62	103.66			
08/09/02	165.07	156.74	126.19	192.11			
08/10/02	184.41	202.99	142.78	239.70			
08/11/02	180.06	202.51	140.09	248.75			
08/12/02	213.28	269.55	159.61	303.19			
08/13/02	222.72	288.13	085.37	166.61			
08/14/02	202.12	250.25	078.09	122.09			
08/15/02	181.86	218.38	141.09	247.02			
08/16/02	194.09	227.97	150.83	258.91			
08/17/02	202.65	235.58	154.70	267.57			
08/18/02	175.61	197.64	136.22	226.82			
08/19/02	203.11	258.47	154.65	290.97			
08/20/02	231.85	306.33	135.59	268.84			
08/21/02	168.71	193.92	132.24	229.52			
08/22/02	186.38	232.21	148.27	269.91			
08/23/02	198.06	253.95	155.24	293.57			
08/24/02	174.17	205.54	139.89	241.94			
08/25/02	182.04	203.19	145.00	242.45			
08/26/02	166.76	178.51	131.71	216.85			
08/27/02	178.11	193.61	141.34	233.82			
08/28/02	161.66	166.30	131.84	204.35			
08/29/02	166.81	175.84	132.94	215.70			
08/30/02	149.10	159.99	122.43	197.21			
09/01/02	159.27	166.72	125.52	190.35			
09/02/02	138.55	147.59	110.93	171.56			
09/03/02	152.14	148.81	121.59	178.10			
09/04/02	158.92	157.41	125.00	187.52			
09/05/02	133.83	121.69	106.50	149.02			
09/06/02	149.71	180.81	119.84	212.96			
09/07/02	139.92	155.30	113.20	186.54			
09/08/02	116.63	097.22	094.00	127.85			
09/09/02	161.35	181.81	123.70	203.43			
09/10/02	176.80	217.38	129.22	227.13			
09/11/02	197.50	251.43	153.74	287.15			
09/12/02	191.03	235.37	148.57	271.41			
09/13/02	172.97	217.64	135.13	250.25			
09/14/02	187.53	236.52	145.46	271.21			
09/15/02	177.88	216.01	140.98	250.89			
09/16/02	175.84	213.93	139.77	249.41			
09/17/02	171.75	205.54	134.86	240.32			
09/18/02	168.51	197.35	134.56	232.87			
09/19/02	164.04	203.95	132.27	237.34			
09/20/02	172.75	206.06	136.48	244.66			
09/21/02	193.26	245.27	153.37	287.34			
09/22/02	165.82	200.82	131.66	236.82			
09/23/02	163.04	188.82	117.47	196.88			
09/24/02	151.30	177.60	120.95	210.70			
09/25/02	176.13	215.27	138.16	248.12			
09/26/02	198.59	261.16	139.19	264.97			
09/27/02	164.22	206.99	127.32	237.20			
09/28/02	176.13	227.13	134.68	259.23			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
09/29/02	180.01	220.22	137.74	255.56			
09/30/02	184.70	232.26	141.63	268.79			
10/01/02	182.59	235.65	140.59	272.79			
10/02/02	176.35	232.83	135.03	268.51			
10/03/02	179.99	233.41	137.11	271.39			
10/04/02	193.13	251.94	147.60	293.72			
10/05/02	163.65	199.72	126.01	237.88			
10/06/02	164.12	197.91	127.69	238.11			
10/07/02	155.94	176.18	112.95	186.07			
10/08/02	197.62	307.39	132.37	289.75			
10/09/02	234.88	386.00	177.90	419.91			
10/10/02	190.31	255.12	051.74	095.38			
10/11/02	200.63	287.07	010.42	021.18			
10/12/02	222.04	314.73	108.23	215.00			
10/13/02	212.47	292.22	159.60	326.04			
10/14/02	177.96	229.47	133.92	259.94			
10/15/02	185.44	249.55	138.08	278.11			
10/16/02	169.82	218.48	127.65	246.31			
10/17/02	175.19	234.27	133.59	263.92			
10/18/02	170.99	222.12	127.47	249.85			
10/19/02	187.58	246.84	131.17	252.00			
10/20/02	149.86	179.66	114.41	208.94			
10/21/02	139.44	164.21	106.50	191.95			
10/22/02	139.70	137.58	107.25	169.00			
10/23/02	113.21	115.33	088.08	140.96			
10/24/02	140.40	142.63	102.42	219.38			
10/25/02	222.14	206.05	021.89	032.00			
10/26/02	240.35	199.16	169.77	233.24			
10/27/02	213.67	179.26	153.10	206.74			
10/27/02	234.62	189.73	164.08	221.24			
10/28/02	229.61	213.23	105.50	137.93			
10/29/02	196.02	137.00	145.95	177.66			
10/30/02	158.86	099.43	124.21	133.72			
10/31/02	163.10	099.26	125.90	136.05			
11/01/02	179.21	120.51	132.25	147.21			
11/02/02	189.18	134.08	087.24	089.43			
11/03/02	201.63	134.12	000.00	000.03			
11/04/02	217.34	167.04	000.00	000.07			
11/05/02	242.22	218.55	000.00	000.07			
11/06/02	224.19	207.47	000.00	000.08			
11/07/02	237.87	230.61	000.00	000.07			
11/08/02	256.96	252.25	000.00	000.05			
11/09/02	265.46	259.42	000.00	000.04			
11/10/02	219.11	205.87	000.00	000.06			
11/11/02	264.03	278.43	000.00	000.06			
11/12/02	266.14	277.44	000.00	000.10			
11/13/02	250.29	247.83	000.00	000.10			
11/14/02	193.72	155.86	114.97	148.76			
11/15/02	207.76	162.63	150.26	198.27			
11/16/02	183.11	131.19	139.30	169.14			
11/17/02	153.36	077.86	115.92	114.23			
11/18/02	146.88	078.55	114.35	112.64			
11/19/02	156.27	126.02	073.42	092.08			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
11/20/02	195.62	149.07	147.11	189.45			
11/21/02	169.03	100.53	129.68	141.22			
11/22/02	143.39	080.35	114.79	115.52			
11/23/02	141.21	076.74	113.94	112.27			
11/24/02	164.19	085.76	125.57	129.18			
11/25/02	173.49	122.15	133.10	164.12			
11/26/02	164.25	131.51	127.05	169.78			
11/27/02	169.27	135.39	123.79	163.28			
11/28/02	175.53	151.50	144.27	187.80			
11/29/02	191.14	144.34	142.40	181.40			
11/30/02	181.72	140.55	134.78	175.53			
12/01/02	163.82	125.28	124.09	157.71			
12/02/02	163.78	125.29	124.07	157.66			
12/03/02	166.11	125.31	126.39	157.69			
12/04/02	129.18	167.55					
12/05/02	135.69	202.50					
12/06/02	145.84	204.79					
12/07/02	190.47	179.23	137.49	205.66			
12/08/02	206.39	193.91	144.37	211.20			
12/09/02	195.76	183.60	137.51	199.90			
12/10/02	200.85	195.71	149.73	233.26			
12/11/02	184.02	157.37	139.88	198.52			
12/12/02	183.30	140.47	133.38	171.60			
12/13/02	148.65	097.02	117.02	128.59			
12/14/02	197.92	179.14	150.35	215.41			
12/15/02	195.45	182.58	146.01	220.74			
12/16/02	177.49	130.06	134.41	169.66			
12/17/02	148.81	100.70	116.98	134.18			
12/18/02	174.74	130.29	135.32	168.73			
12/19/02	169.39	134.15	129.04	170.98			
12/20/02	175.36	120.94	133.95	161.62			
12/21/02	200.98	177.47	151.22	219.50			
12/22/02	193.99	166.34	132.57	183.77			
12/23/02	176.86	149.24	132.56	182.37			
12/24/02	155.74	158.30	135.47	192.87			
12/25/02	077.79	177.36	145.54	214.18			
12/26/02	115.55	147.03	123.72	168.50			
12/27/02	159.98	196.62	131.09	199.48			
12/28/02	199.86	184.00	149.35	224.04			
12/29/02	193.27	175.49	144.30	214.32			
12/30/02	204.02	178.21	148.38	220.06			
12/31/02	176.97	139.65	130.94	177.39			
01/01/03	196.08	167.65	144.89	207.67			
01/02/03	165.87	128.86	122.09	164.20			
01/03/03	175.45	152.79	071.82	092.65			
01/04/03	209.31	189.74	152.98	227.18			
01/05/03	200.95	169.93	145.75	207.20			
01/06/03	184.01	164.81	135.66	197.52			
01/07/03	168.71	142.06	121.06	172.43			
01/08/03	211.29	200.15	116.77	162.87			
01/09/03	224.38	230.89	087.80	136.29			
01/10/03	176.94	154.01	131.67	187.80			
01/11/03	181.39	159.83	133.41	196.24			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
01/12/03	195.84	179.40	138.04	200.47			
01/13/03	185.59	154.20	132.31	179.97			
01/14/03	232.68	131.45	118.54	155.90			
01/15/03	200.04	178.39	143.58	209.42			
01/16/03	171.11	153.13	122.61	181.02			
01/17/03	197.96	183.26	140.93	214.91			
01/18/03	181.78	161.60	109.30	158.86			
01/19/03	109.77	421.75	129.97	203.18			
01/20/03	172.85	499.86	139.79	213.50			
01/21/03	184.45	499.86	136.15	205.41			
01/22/03	161.74	499.86	120.23	181.85			
01/23/03	188.02	287.35	145.18	208.18			
01/24/03	127.97	451.81	163.91	279.23			
01/25/03	142.35	499.86	159.83	244.40			
01/26/03	177.38	499.86	175.22	277.14			
01/27/03	223.03	499.86	168.03	252.60			
01/28/03	216.79	499.86	161.54	237.79			
01/29/03	217.94	499.86	170.05	259.44			
01/30/03	204.90	498.13	162.68	236.74			
01/31/03	210.48	499.86	164.48	250.40			
02/01/03	220.72	499.86	174.36	274.56			
02/02/03	194.46	499.86	157.72	229.34			
02/03/03	206.26	499.86	159.99	231.45			
02/04/03	205.28	499.86	155.94	226.10			
02/05/03	197.23	499.86	155.59	213.93			
02/06/03	232.15	499.86	145.51	220.28			
02/07/03	190.83	499.86	166.26	258.73			
02/08/03	124.15	499.86	161.61	248.89			
02/09/03	142.52	499.86	172.77	283.43			
02/10/03	233.18	499.86	175.57	280.12			
02/11/03	211.91	499.86	189.36	347.92			
02/12/03	280.02	499.86	199.49	387.53			
02/13/03	217.93	499.86	150.01	231.94			
02/14/03	268.41	499.86	197.67	381.79			
02/15/03	227.29	499.86	167.93	294.89			
02/16/03	219.71	499.86	161.00	262.58			
02/17/03	208.67	499.86	132.64	186.50			
02/18/03	212.49	365.06	161.63	246.74			
02/19/03	202.61	186.10	157.32	228.36			
02/20/03	209.41	204.63	144.16	205.72			
02/21/03	221.99	226.86	163.90	259.85			
02/22/03	230.95	239.65	169.90	273.15			
02/23/03	202.67	188.94	152.43	218.58			
02/24/03	214.02	208.75	158.49	237.20			
02/25/03	119.88	189.56	185.52	224.40			
02/26/03	059.07	200.79	328.71	415.86			
02/27/03	147.99	264.54	160.16	499.86			
02/28/03	214.97	242.01	161.93	434.48			
03/01/03	092.51	103.91	069.78	186.88			
03/02/03	228.47	239.90	175.29	499.86			
03/03/03	241.04	271.01	172.10	499.86			
03/04/03	310.08	414.59	153.21	499.86			
03/05/03	210.46	210.64	161.03	499.86			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
03/06/03	241.35	298.09	178.78	499.86			
03/07/03	272.99	373.78	199.83	499.86			
03/08/03	198.11	212.81	150.46	499.86			
03/09/03	181.32	150.55	144.27	499.86			
03/10/03	178.38	152.58	142.42	499.86			
03/11/03	191.78	174.68	150.11	499.86			
03/12/03	214.66	225.46	166.65	499.86			
03/13/03	201.93	209.70	157.69	499.86			
03/14/03	206.91	209.86	160.55	387.46			
03/15/03	204.10	204.03	159.85	250.42			
03/16/03	194.28	189.51	152.17	230.89			
03/17/03	186.49	176.73	147.74	220.05			
03/18/03	188.89	187.95	148.75	229.81			
03/19/03	191.82	190.89	143.37	209.62			
03/20/03	195.13	195.38	142.92	206.84			
03/21/03	203.15	209.81	149.47	225.41			
03/22/03	219.72	242.83	155.77	258.02			
03/23/03	211.24	232.42	159.96	263.89			
03/24/03	211.39	220.39	160.29	254.04			
03/25/03	208.17	221.45	094.71	098.84			
03/26/03	133.23	116.05	084.72	089.54			
03/27/03	132.69	129.67	112.91	133.78			
03/28/03	240.23	295.07	112.30	160.39			
03/29/03	263.07	354.59	193.59	392.77			
03/30/03	256.89	359.18	184.84	390.75			
03/31/03	199.88	200.31	154.81	236.56			
04/01/03	196.36	187.51	151.94	224.95			
04/02/03	197.40	181.08	153.19	219.52			
04/03/03	179.87	151.36	143.78	191.27			
04/04/03	199.02	192.28	156.54	235.90			
04/05/03	165.79	122.91	135.12	163.79			
04/06/03	163.75	120.69	132.43	159.63			
04/07/03	188.99	173.21	149.16	216.16			
04/08/03	198.89	199.22	155.75	245.00			
04/09/03	207.70	219.74	156.36	242.93			
04/10/03	189.67	181.16	142.25	199.23			
04/11/03	177.65	173.38	135.27	190.74			
04/12/03	215.44	232.92	160.97	255.97			
04/13/03	168.86	145.56	131.70	167.01			
04/14/03	161.39	128.31	127.53	151.03			
04/15/03	177.58	158.83	138.07	182.84			
04/16/03	176.70	162.58	129.96	167.98			
04/17/03	157.62	122.85	131.14	165.11			
04/18/03	211.40	228.12	164.20	285.32			
04/19/03	184.50	180.76	147.79	227.42			
04/20/03	188.39	192.93	155.83	239.15			
04/21/03	175.70	167.69	148.93	213.90			
04/22/03	160.02	136.88	138.55	180.05			
04/23/03	172.09	151.90	146.65	198.90			
04/24/03	169.91	149.17	144.84	195.71			
04/25/03	200.30	216.12	159.90	248.02			
04/26/03	175.19	161.90	143.29	190.66			
04/27/03	171.32	146.98	140.86	176.63			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
04/28/03	151.75	113.19	128.85	140.46			
04/29/03	202.64	227.33	083.04	058.52			
04/30/03	142.95	094.35	125.56	125.81			
05/01/03	137.25	086.57	122.11	118.32			
05/02/03	141.93	089.22	124.18	123.21			
05/03/03	128.31	067.73	116.14	099.52			
05/04/03	142.49	089.61	124.42	124.29			
05/05/03	143.27	098.41	125.26	131.17			
05/06/03	129.96	104.54	115.20	129.40			
05/07/03	187.13	194.60	153.67	230.38			
05/08/03	210.62	234.60	167.43	271.46			
05/09/03	190.07	201.25	134.72	186.76			
05/10/03	163.78	149.70	128.57	158.53			
05/11/03	194.62	197.30	147.67	218.57			
05/12/03	165.03	137.53	142.12	179.35			
05/13/03	144.43	098.00	128.97	135.97			
05/14/03	157.67	130.08	110.69	102.88			
05/15/03	195.11	199.45	159.88	238.00			
05/16/03	169.57	156.69	137.02	169.24			
05/17/03	176.15	170.30	150.26	211.24			
05/18/03	200.17	218.02	150.26	217.38			
05/19/03	203.93	227.56	156.23	237.12			
05/20/03	193.48	206.27	158.14	241.63			
05/21/03	180.03	186.02	146.52	210.32			
05/22/03	203.56	223.17	132.45	188.31			
05/23/03	166.22	160.61	143.63	203.47			
05/24/03	171.94	176.44	146.04	213.49			
05/25/03	202.51	220.49	152.24	230.08			
05/26/03	202.31	228.71	161.08	261.94			
05/27/03	189.21	205.91	152.65	235.98			
05/28/03	163.06	143.79	131.94	166.07			
05/29/03	172.42	174.95	144.64	208.74			
05/30/03	178.75	187.39	148.71	219.92			
05/31/03	192.79	205.67	154.31	238.31			
06/01/03	169.69	177.00	140.42	201.60			
06/02/03	191.14	212.77	150.15	228.98			
06/03/03	183.93	197.20	141.55	201.85			
06/04/03	176.18	182.49	148.01	218.76			
06/05/03	181.95	190.20	143.72	208.83			
06/06/03	182.53	197.61	151.68	232.51			
06/07/03	198.55	225.17	161.13	267.10			
06/08/03	185.05	203.24	150.72	232.51			
06/09/03	192.18	219.93	146.65	235.77			
06/10/03	199.16	222.89	154.71	251.03			
06/11/03	189.58	207.19	156.10	248.98			
06/12/03	163.07	163.07	138.40	195.14			
06/13/03	171.61	159.99	141.73	196.02			
06/14/03	190.69	213.48	101.10	106.44			
06/15/03	194.40	214.16	130.02	185.68			
06/16/03	153.84	134.64	132.77	169.09			
06/17/03	162.23	149.05	137.79	186.19			
06/18/03	148.06	149.97	140.15	203.88			
06/19/03	181.26	188.29	149.06	228.90			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
06/20/03	189.92	218.37	141.85	213.41			
06/21/03	177.60	176.14	146.87	212.21			
06/22/03	126.49	092.75	116.69	120.70			
06/23/03	144.91	119.41	125.38	146.66			
06/24/03	168.50	169.98	130.17	169.89			
06/25/03	167.25	165.45	140.91	199.45			
06/26/03	196.09	230.58	158.94	267.19			
06/27/03	167.51	177.09	137.85	198.44			
06/28/03	178.49	189.99	140.74	207.99			
06/29/03	199.58	249.08	086.02	127.54			
06/30/03	232.97	317.41	000.00	000.05			
07/01/03	190.91	224.42	104.03	132.79			
07/02/03	162.97	150.18	131.13	166.32			
07/03/03	154.90	141.20	132.88	173.41			
07/04/03	192.42	226.18	153.01	248.99			
07/05/03	170.74	189.35	141.35	210.91			
07/06/03	182.88	207.64	146.51	225.56			
07/07/03	158.36	159.03	133.97	182.29			
07/08/03	173.14	177.24	145.10	212.56			
07/09/03	151.87	134.82	132.35	169.57			
07/10/03	149.92	137.28	134.92	182.28			
07/11/03	151.06	131.05	128.79	154.17			
07/12/03	168.15	173.38	134.30	181.54			
07/13/03	179.57	187.96	140.78	193.00			
07/14/03	173.29	179.47	144.60	210.71			
07/15/03	171.43	188.29	127.66	171.10			
07/16/03	189.32	209.43	125.27	156.67			
07/17/03	217.08	273.62	120.78	146.54			
07/18/03	207.68	252.89	145.92	223.59			
07/19/03	191.64	223.79	126.09	182.02			
07/20/03	194.34	229.51	159.72	265.62			
07/21/03	157.91	154.03	135.23	182.68			
07/22/03	168.34	178.41	137.25	192.44			
07/23/03	173.84	185.63	140.53	198.22			
07/24/03	167.10	170.34	141.97	201.48			
07/25/03	132.44	155.54	150.24	242.48			
07/26/03	178.25	197.46	140.23	202.87			
07/27/03	181.10	208.17	133.20	185.82			
07/28/03	210.92	268.84	131.32	198.04			
07/29/03	201.58	246.25	159.71	276.66			
07/30/03	162.86	174.27	134.45	187.38			
07/31/03	170.47	189.53	143.98	223.44			
08/01/03	202.36	249.41	154.26	257.29			
08/02/03	183.50	210.38	151.53	241.27			
08/03/03	187.67	215.93	143.02	219.10			
08/04/03	120.83	085.06	112.16	113.44			
08/05/03	153.82	145.60	132.21	178.44			
08/06/03	177.57	195.95	142.55	218.49			
08/07/03	101.66	063.25	148.33	239.66			
08/08/03	221.32	181.83	120.89	145.05			
08/09/03	191.15	126.58	122.93	095.90			
08/10/03	159.98	074.17	129.28	105.33			
08/11/03	145.69	055.60	120.01	077.84			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
08/12/03	145.61	051.93	115.93	071.63			
08/13/03	150.11	066.13	120.76	081.93			
08/14/03	178.47	116.08	139.10	134.09			
08/15/03	181.41	125.63	138.15	141.51			
08/16/03	195.94	146.86	144.54	158.72			
08/17/03	176.38	147.58	107.22	096.89			
08/18/03	204.47	166.93	157.25	195.98			
08/19/03	232.53	204.23	145.61	186.41			
08/20/03	208.00	174.54	162.53	210.51			
08/21/03	238.18	215.12	167.53	230.11			
08/22/03	210.78	181.13	167.88	231.93			
08/23/03	192.78	162.09	155.36	196.17			
08/24/03	210.50	184.75	164.07	220.39			
08/25/03	185.60	149.16	149.10	183.31			
08/26/03	204.49	166.78	080.46	095.12			
08/27/03	114.16	076.03	122.83	221.75			
08/28/03	156.89	158.62	109.96	219.85			
08/29/03	244.59	251.30	083.67	130.68			
08/30/03	237.86	229.56	172.34	261.36			
08/31/03	236.67	227.61	174.35	273.77			
09/01/03	234.66	224.52	173.49	270.02			
09/02/03	223.91	215.52	164.52	249.38			
09/03/03	238.77	240.60	174.40	277.71			
09/04/03	226.79	219.59	168.47	258.99			
09/05/03	257.00	303.93	184.75	329.66			
09/06/03	283.98	352.58	202.94	389.48			
09/07/03	258.40	319.19	189.92	356.80			
09/08/03	228.46	262.33	175.46	302.75			
09/09/03	110.09	203.01	043.34	056.55			
09/10/03	222.36	208.45	162.21	228.79			
09/11/03	214.76	217.63	165.48	250.85			
09/12/03	207.36	213.28	163.19	243.09			
09/13/03	173.79	148.62	142.23	175.62			
09/14/03	160.02	113.29	131.57	139.39			
09/15/03	176.39	136.61	140.72	164.07			
09/16/03	169.59	129.73	135.30	151.46			
09/17/03	178.51	150.10	137.86	168.02			
09/18/03	213.98	201.09	156.43	221.26			
09/19/03	206.15	190.29	156.55	221.61			
09/20/03	183.86	159.35	149.04	193.97			
09/21/03	184.19	147.14	146.42	182.57			
09/22/03	171.24	144.40	140.40	174.22			
09/23/03	151.50	113.69	122.12	137.82			
09/24/03	178.27	144.80	136.14	162.98			
09/25/03	180.58	143.98	147.43	180.86			
09/26/03	211.78	208.30	168.27	251.37			
09/27/03	186.81	152.73	152.41	198.61			
09/28/03	171.43	142.58	147.00	185.03			
09/29/03	175.04	138.95	147.19	184.03			
09/30/03	171.84	139.64	141.95	170.50			
10/01/03	195.82	168.31	151.54	192.21			
10/02/03	185.78	180.50	151.39	204.63			
10/03/03	218.48	228.64	169.22	258.25			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1		WDW-2		WDW-3	
Date	Rate	Pres	Rate	Pres	Date
10/04/03	216.49	236.54	168.89	266.37	
10/05/03	221.86	240.07	170.31	269.95	
10/06/03	232.55	249.71	173.64	280.89	
10/07/03	223.36	239.73	161.65	251.98	
10/08/03	248.67	293.22	184.98	332.44	
10/09/03	290.68	391.82	205.56	417.62	
10/10/03	283.09	380.46	204.31	403.55	
10/11/03	311.02	414.15	209.72	431.38	
10/12/03	263.88	351.21	200.33	402.51	
10/13/03	197.68	199.31	158.42	245.52	
10/14/03	157.34	109.65	132.39	154.84	
10/15/03	171.11	128.06	140.92	175.61	
10/16/03	138.84	097.49	122.53	135.58	
10/17/03	151.59	101.88	132.71	145.20	
10/18/03	137.87	074.60	124.11	119.52	
10/19/03	162.15	114.19	137.88	164.28	
10/20/03	160.43	130.41	141.02	179.03	
10/21/03	180.30	163.83	150.91	216.68	
10/22/03	156.13	143.43	141.37	190.98	
10/23/03	183.32	158.06	149.41	197.16	
10/24/03	218.47	222.62	164.59	249.35	
10/25/03	207.49	209.48	159.72	240.09	
10/26/03	175.32	151.45	144.58	183.03	
10/27/03	165.27	136.01	138.44	167.15	
10/28/03	181.56	148.95	145.52	183.97	
10/29/03	174.42	133.79	141.34	169.63	
10/30/03	177.95	152.72	145.41	187.06	
10/31/03	161.14	123.43	136.52	157.22	
11/01/03	169.08	134.01	135.44	155.85	
11/02/03	169.61	148.58	141.35	180.60	
11/03/03	213.93	226.57	167.72	265.46	
11/04/03	176.43	169.39	148.14	204.86	
11/05/03	197.21	190.54	158.44	230.89	
11/06/03	190.52	187.10	156.30	227.49	
11/07/03	184.54	173.15	149.82	199.78	
11/08/03	153.22	109.85	126.17	128.49	
11/09/03	148.29	108.83	126.65	129.98	
11/10/03	153.47	130.62	130.78	152.30	
11/11/03	183.26	171.72	144.41	193.65	
11/12/03	170.28	157.33	147.29	202.70	
11/13/03	158.35	141.36	141.78	184.04	
11/14/03	211.21	219.87	170.90	277.84	
11/15/03	191.63	189.80	154.12	224.78	
11/16/03	186.41	186.66	150.33	213.77	
11/17/03	159.35	142.71	135.98	170.34	
11/18/03	177.23	167.57	144.92	198.44	
11/19/03	199.41	208.23	158.02	240.62	
11/20/03	224.56	260.59	174.32	299.35	
11/21/03	222.93	291.52	072.01	056.51	
11/22/03	179.02	248.98	029.87	000.00	
11/23/03	085.62	119.08	014.29	000.00	
11/24/03	121.08	146.07	088.14	160.10	
11/25/03	162.48	195.62	108.74	201.78	

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
11/26/03	226.92	292.95	177.98	330.00			
11/27/03	309.87	472.08	225.23	499.86			
11/28/03	243.27	350.69	180.75	359.35			
11/29/03	152.28	291.98	121.97	328.96			
11/30/03	205.66	225.99	159.37	263.21			
12/01/03	116.16	058.40	109.98	096.19			
12/02/03	092.81	030.35	094.10	063.89			
12/03/03	118.69	053.93	110.85	102.50			
12/04/03	187.12	192.31	139.11	206.87			
12/05/03	188.23	187.24	136.56	198.48			
12/06/03	187.54	186.90	133.91	199.13			
12/07/03	202.31	236.85	121.51	271.77			
12/08/03	198.65	219.00	144.12	255.89			
12/09/03	197.73	222.87	140.32	257.13			
12/10/03	197.33	212.94	130.18	220.29			
12/11/03	182.08	188.23	130.57	210.26			
12/12/03	145.18	202.28	105.43	228.02			
12/13/03	149.81	139.22	118.70	175.00			
12/14/03	096.15	142.68	093.27	173.68			
12/15/03	169.21	172.76	119.68	200.52			
12/16/03	162.15	168.94	113.43	197.90			
12/17/03	128.87	236.11	093.56	289.99			
12/18/03	140.61	285.69	095.81	330.91			
12/19/03	219.10	287.06	137.52	305.85			
12/20/03	184.62	285.29	123.55	327.40			
12/21/03	171.90	291.67	113.14	335.63			
12/22/03	197.35	264.73	133.40	304.19			
12/23/03	216.67	289.28	145.85	332.10			
12/24/03	233.15	404.93	137.30	419.49			
12/25/03	280.29	458.49	175.27	459.51			
12/26/03	279.16	453.49	152.68	453.83			
12/27/03	274.43	441.15	166.94	441.76			
12/28/03	259.98	446.23	161.17	439.49			
12/29/03	133.80	439.43	083.53	451.86			
12/30/03	202.44	404.63	110.09	499.86			
12/31/03	196.45	441.96	110.84	499.86			
01/01/04	248.08	434.47	137.69	499.86			
01/02/04	280.59	394.42	150.86	499.86			
01/03/04	290.73	417.59	160.30	499.86			
01/04/04	285.63	406.41	155.95	499.86			
01/05/04	289.11	409.00	156.15	499.86			
01/06/04	183.30	395.70	113.00	499.86			
01/07/04	164.53	414.19	113.23	499.86			
01/08/04	298.33	450.62	165.82	499.86			
01/09/04	273.02	399.27	141.07	499.86			
01/10/04	301.66	457.29	162.27	499.86			
01/11/04	302.05	460.29	162.46	499.86			
01/12/04	307.13	474.61	167.81	499.86			
01/13/04	275.75	407.15	142.20	499.86			
01/14/04	296.12	443.48	152.59	499.86			
01/15/04	299.39	453.69	162.71	499.86			
01/16/04	280.01	410.61	148.42	499.86			
01/17/04	288.11	430.32	155.01	499.86			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
01/18/04	262.94	378.74	136.54	499.86			
01/19/04	291.41	451.88	157.73	499.86			
01/20/04	262.75	383.61	133.82	499.86			
01/21/04	246.20	347.42	121.45	499.86			
01/22/04	298.43	465.09	160.69	499.86			
01/23/04	270.66	398.79	134.96	499.86			
01/24/04	280.16	421.33	142.36	499.86			
01/25/04	212.04	257.95	098.23	499.86			
01/26/04	203.82	240.69	093.69	499.86			
01/27/04	255.68	373.48	129.53	499.86			
01/28/04	279.85	425.21	141.44	468.33			
01/29/04	321.72	482.99	166.52	275.57			
01/30/04	267.35	407.84	138.95	053.26			
01/31/04	274.69	423.19	144.21	000.00			
02/01/04	280.07	425.53	144.92	000.00			
02/02/04	264.78	395.87	135.45	000.00			
02/03/04	261.82	392.92	133.00	000.00			
02/04/04	254.66	368.98	119.59	000.00			
02/05/04	240.85	329.99	127.30	000.00			
02/06/04	257.55	372.91	134.15	000.00			
02/07/04	262.69	346.20	137.28	042.06			
02/08/04	288.54	248.13	159.06	270.64			
02/09/04	250.81	247.91	130.26	219.35			
02/10/04	246.77	247.89	124.62	206.41			
02/11/04	196.72	247.88	091.20	128.86			
02/12/04	227.57	247.92	118.27	165.37			
02/13/04	148.61	247.55	126.29	289.01			
02/14/04	279.39	247.79	134.60	451.81			
02/15/04	162.95	247.80	249.24	348.26			
02/16/04	297.28	248.01	166.62	278.97			
02/17/04	290.86	248.03	162.39	271.08			
02/18/04	298.75	247.98	166.90	279.73			
02/19/04	287.30	248.20	158.13	263.99			
02/20/04	291.24	191.13	162.40	268.20			
02/21/04	251.68	159.89	131.81	260.61			
02/22/04	271.14	427.06	146.90	428.31			
02/23/04	235.56	361.73	119.77	364.54			
02/24/04	251.98	396.81	133.56	399.69			
02/25/04	266.58	420.40	144.83	421.77			
02/26/04	252.03	395.00	134.24	397.56			
02/27/04	246.55	377.26	124.51	379.48			
02/28/04	236.52	351.11	103.88	326.16			
02/29/04	240.50	386.37	125.52	389.55			
03/01/04	239.96	373.39	124.97	375.03			
03/02/04	255.89	420.61	135.84	429.74			
03/03/04	263.43	463.08	103.94	370.83			
03/04/04	253.55	433.05	135.65	463.66			
03/05/04	252.04	431.87	134.46	463.68			
03/06/04	243.28	412.37	127.09	441.95			
03/07/04	239.43	405.98	124.38	434.52			
03/08/04	203.46	330.11	096.25	354.41			
03/09/04	232.83	386.71	119.88	417.07			
03/10/04	237.16	397.85	123.58	429.74			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
03/11/04	262.23	452.46	139.99	477.43			
03/12/04	212.98	351.02	102.05	370.42			
03/13/04	232.02	388.96	116.67	412.18			
03/14/04	233.99	396.08	118.38	419.49			
03/15/04	256.60	441.50	135.80	468.94			
03/16/04	222.90	356.35	099.92	355.55			
03/17/04	250.56	427.49	132.32	454.43			
03/18/04	239.78	404.54	123.24	429.72			
03/19/04	225.69	262.85	112.13	280.94			
03/20/04	237.64	188.87	118.06	195.04			
03/21/04	242.18	193.25	125.43	206.05			
03/22/04	238.84	191.80	122.76	204.36			
03/23/04	226.97	179.78	112.44	191.08			
03/24/04	244.27	196.32	127.82	210.22			
03/25/04	123.12	044.69	000.00	000.00			
03/26/04	101.41	016.90	012.90	018.82			
03/27/04	293.61	266.82	170.46	290.35			
03/28/04	272.25	243.77	150.58	258.55			
03/29/04	260.28	229.92	138.57	235.51			
03/30/04	251.30	217.01	136.13	232.23			
03/31/04	227.09	176.98	117.59	191.05			
04/01/04	184.37	112.18	088.06	123.95			
04/02/04	195.97	125.37	101.00	138.82			
04/03/04	192.17	121.63	090.89	127.15			
04/04/04	203.55	139.06	112.27	164.17			
04/05/04	289.54	272.31	160.56	277.62			
04/06/04	257.59	228.29	141.16	243.06			
04/07/04	285.93	265.50	160.86	275.69			
04/08/04	277.68	253.71	154.84	263.06			
04/09/04	256.25	225.92	137.30	234.24			
04/10/04	212.41	163.64	106.47	177.74			
04/11/04	221.11	174.22	114.99	190.68			
04/12/04	208.97	160.81	104.80	176.26			
04/13/04	187.66	124.22	089.23	138.22			
04/14/04	166.34	091.65	074.13	104.13			
04/15/04	195.82	127.79	101.55	143.93			
04/16/04	216.18	153.20	120.73	171.67			
04/17/04	208.22	143.56	108.80	154.81			
04/18/04	213.69	155.69	118.87	171.38			
04/19/04	208.52	154.20	115.63	169.80			
04/20/04	209.61	160.73	117.86	175.88			
04/21/04	208.87	158.78	117.76	174.72			
04/22/04	201.74	149.26	111.35	165.06			
04/23/04	225.35	186.73	126.80	204.12			
04/24/04	270.15	250.51	154.74	271.54			
04/25/04	242.71	214.02	131.76	225.60			
04/26/04	231.53	194.71	122.77	205.12			
04/27/04	208.51	152.31	108.00	164.69			
04/28/04	171.73	102.13	078.69	111.81			
04/29/04	208.97	147.57	112.64	161.89			
04/30/04	203.12	142.17	108.47	155.96			
05/01/04	200.57	141.31	099.89	145.74			
05/02/04	211.04	154.95	117.14	171.60			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
05/03/04	212.77	159.30	118.84	175.86			
05/04/04	208.72	154.91	116.04	170.42			
05/05/04	213.38	161.22	121.22	177.49			
05/06/04	212.17	158.21	120.82	177.00			
05/07/04	220.05	170.41	123.25	178.92			
05/08/04	237.40	210.17	123.59	211.06			
05/09/04	257.12	233.18	144.97	249.84			
05/10/04	246.23	219.72	133.92	233.37			
05/11/04	224.55	188.71	114.92	197.42			
05/12/04	197.93	139.50	099.15	150.78			
05/13/04	187.47	122.51	094.27	135.85			
05/14/04	188.99	125.94	092.07	133.46			
05/15/04	186.92	124.76	094.13	137.61			
05/16/04	197.22	139.84	103.49	153.77			
05/17/04	197.18	141.67	104.22	155.34			
05/18/04	207.93	154.01	113.30	168.86			
05/19/04	197.23	137.97	105.19	152.45			
05/20/04	183.25	119.37	090.61	132.27			
05/21/04	202.01	143.75	108.98	160.06			
05/22/04	205.43	139.18	112.30	166.23			
05/23/04	191.48	129.45	099.47	145.71			
05/24/04	200.77	141.16	109.72	161.03			
05/25/04	206.34	150.60	109.55	161.50			
05/26/04	191.43	110.24	112.31	168.88			
05/27/04	238.41	141.83	064.68	091.22			
05/28/04	215.75	116.93	118.67	133.98			
05/29/04	218.95	121.70	119.62	135.39			
05/30/04	198.96	103.75	106.86	116.68			
05/31/04	202.64	109.75	110.87	122.92			
06/01/04	180.40	088.55	092.80	099.96			
06/02/04	186.15	091.42	100.78	104.18			
06/03/04	186.14	096.45	098.10	107.67			
06/04/04	206.66	120.64	117.61	133.55			
06/05/04	190.20	100.27	104.71	112.71			
06/06/04	183.82	093.06	099.41	104.94			
06/07/04	191.50	103.69	108.22	118.02			
06/08/04	198.43	114.33	111.56	128.37			
06/09/04	198.43	114.33	012.42	014.49			
06/10/04	214.31	129.52	127.10	147.93			
06/11/04	216.39	133.44	128.71	149.69			
06/12/04	207.62	126.96	116.50	134.99			
06/13/04	214.55	135.30	127.61	153.71			
06/14/04	202.17	120.08	120.69	139.13			
06/15/04	207.81	129.94	120.17	140.06			
06/16/04	207.81	129.94	120.96	158.43			
06/17/04	187.75	108.40	111.05	133.82			
06/18/04	244.66	186.48	144.46	198.08			
06/19/04	280.77	235.72	174.34	251.22			
06/20/04	257.39	211.03	151.09	219.48			
06/21/04	241.82	190.03	139.91	203.36			
06/22/04	178.63	098.82	104.96	121.48			
06/23/04	201.13	129.32	118.57	139.81			
06/24/04	184.13	107.21	101.01	114.89			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

		WDW-1		WDW-2				WDW-3	
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres		
06/25/04	205.57	131.99	121.09	141.92					
06/26/04	196.67	120.41	109.31	127.45					
06/27/04	214.18	140.45	130.97	159.51					
06/28/04	194.08	117.86	114.95	139.33					
06/29/04	200.89	124.40	117.08	138.64					
06/30/04	160.80	077.85	078.75	086.75					
07/01/04	205.39	127.96	119.30	139.81					
07/02/04	207.07	127.98	121.40	138.99					
07/03/04	210.75	134.37	124.11	140.94					
07/04/04	211.70	138.55	131.39	152.79					
07/05/04	211.13	136.99	131.96	152.46					
07/06/04	207.55	135.09	129.94	150.66					
07/07/04	190.68	113.60	113.63	129.05					
07/08/04	197.40	125.68	115.15	136.98					
07/09/04	193.04	117.67	118.75	134.99					
07/10/04	183.85	109.93	107.02	120.62					
07/11/04	193.71	123.46	114.30	132.90					
07/12/04	202.47	135.96	125.80	146.78					
07/13/04	172.11	101.65	094.61	110.23					
07/14/04	203.24	135.91	128.09	146.29					
07/15/04	204.90	139.93	141.17	167.83					
07/16/04	176.79	104.89	106.43	124.53					
07/17/04	199.66	135.89	134.11	161.34					
07/18/04	197.62	134.02	127.59	148.42					
07/19/04	188.92	124.02	113.97	132.61					
07/20/04	196.72	135.24	128.92	147.26					
07/21/04	175.40	107.40	105.19	118.37					
07/22/04	197.12	137.07	119.17	139.99					
07/23/04	204.57	145.68	126.66	150.87					
07/24/04	204.62	145.67	135.30	162.12					
07/25/04	208.53	152.88	141.72	171.20					
07/26/04	208.40	157.53	129.71	173.00					
07/27/04	258.32	225.64	152.45	219.85					
07/28/04	257.27	225.27	149.11	215.57					
07/29/04	259.47	230.25	154.54	227.56					
07/30/04	263.11	237.79	169.19	252.82					
07/31/04	237.40	206.86	132.85	199.70					
08/01/04	203.71	150.71	132.26	170.79					
08/02/04	195.24	145.54	122.27	158.93					
08/03/04	184.61	133.47	113.99	146.42					
08/04/04	196.55	148.87	119.64	154.55					
08/05/04	202.68	159.49	131.31	171.92					
08/06/04	195.10	148.67	118.54	154.59					
08/07/04	213.46	174.06	134.95	185.07					
08/08/04	259.62	238.31	165.55	246.84					
08/09/04	251.58	220.85	169.24	245.47					
08/10/04	213.15	163.73	128.90	171.36					
08/11/04	212.51	164.13	126.11	171.05					
08/12/04	229.15	194.96	129.36	195.02					
08/13/04	244.22	215.36	153.19	235.81					
08/14/04	245.90	220.95	149.92	230.85					
08/15/04	259.05	242.29	162.21	254.63					
08/16/04	233.24	207.60	147.93	229.49					

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1		WDW-2		WDW-3	
Date	Rate	Pres	Rate	Pres	Date
08/17/04	244.10	219.69	141.28	219.35	
08/18/04	223.28	189.87	128.31	197.92	
08/19/04	242.36	214.40	149.83	229.19	
08/20/04	124.22	051.45	031.55	047.42	
08/21/04	235.04	204.74	134.30	202.53	
08/22/04	268.95	250.10	176.30	265.76	
08/23/04	189.05	140.23	095.64	139.24	
08/24/04	242.25	214.07	134.55	198.70	
08/25/04	209.45	162.37	115.22	158.63	
08/26/04	182.52	120.36	112.65	137.70	
08/27/04	203.93	150.18	128.09	159.82	
08/28/04	189.87	131.73	117.38	146.10	
08/29/04	200.98	147.66	127.54	160.13	
08/30/04	198.05	145.77	128.43	163.80	
08/31/04	206.77	158.28	140.00	177.64	
09/01/04	178.42	122.34	109.16	137.95	
09/02/04	190.96	137.70	124.78	156.23	
09/03/04	179.69	122.60	112.49	139.22	
09/04/04	189.66	135.50	121.68	151.73	
09/05/04	201.07	150.97	132.75	167.19	
09/06/04	191.51	136.96	125.77	153.49	
09/07/04	193.01	140.59	122.80	149.84	
09/08/04	198.41	147.99	127.79	159.09	
09/09/04	197.26	144.28	127.13	155.28	
09/10/04	178.57	121.16	105.13	128.80	
09/11/04	200.93	153.97	134.28	169.53	
09/12/04	185.62	133.35	120.18	149.96	
09/13/04	175.10	119.57	106.05	130.90	
09/14/04	184.99	131.92	120.29	148.64	
09/15/04	183.25	128.11	118.13	147.01	
09/16/04	188.70	136.94	124.57	155.67	
09/17/04	196.89	147.14	127.25	158.40	
09/18/04	195.35	144.73	122.15	153.18	
09/19/04	196.45	146.80	130.11	165.22	
09/20/04	195.44	145.21	126.64	159.53	
09/21/04	195.34	145.83	126.74	161.32	
09/22/04	196.80	145.48	128.65	161.34	
09/23/04	189.75	136.52	116.10	145.12	
09/24/04	194.43	144.54	128.76	162.25	
09/25/04	190.36	141.26	122.90	153.26	
09/26/04	183.63	134.28	114.17	142.01	
09/27/04	187.17	141.98	103.02	129.74	
09/28/04	190.28	147.87	125.09	162.49	
09/29/04	191.18	147.10	121.90	156.08	
09/30/04	175.10	126.16	107.99	138.63	
10/01/04	239.12	219.10	140.00	199.06	
10/02/04	249.66	229.25	163.07	241.30	
10/03/04	251.77	230.07	151.69	227.77	
10/04/04	195.47	142.33	120.99	158.57	
10/05/04	187.70	128.20	107.36	132.94	
10/06/04	214.78	165.16	140.80	183.09	
10/07/04	257.95	242.37	153.09	234.87	
10/08/04	253.49	241.02	151.77	238.24	

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
10/09/04	256.17	247.12	152.03	244.35			
10/10/04	234.14	218.18	141.79	229.22			
10/11/04	195.55	148.36	122.48	168.50			
10/12/04	193.74	149.63	120.69	167.85			
10/13/04	190.39	145.33	110.84	152.26			
10/14/04	193.13	150.86	114.96	160.97			
10/15/04	186.24	141.68	102.75	144.99			
10/16/04	191.34	148.88	115.86	162.88			
10/17/04	183.51	138.57	107.49	152.46			
10/18/04	169.92	120.14	096.19	133.37			
10/19/04	190.69	149.80	119.50	166.13			
10/20/04	171.31	123.44	099.96	138.26			
10/21/04	182.07	137.26	109.79	153.48			
10/22/04	190.37	148.91	119.15	166.22			
10/23/04	193.59	154.86	121.36	171.71			
10/24/04	189.65	151.54	110.91	156.53			
10/25/04	198.79	165.08	118.97	169.23			
10/26/04	193.36	157.35	118.39	168.51			
10/27/04	190.23	152.15	116.39	166.48			
10/28/04	189.10	150.80	117.21	165.36			
10/29/04	193.41	158.63	121.08	173.06			
10/30/04	196.16	163.55	124.40	178.32			
10/31/04	188.54	154.50	114.81	167.31			
11/01/04	196.03	165.38	122.27	178.50			
11/02/04	194.34	163.82	119.54	176.27			
11/03/04	190.30	159.45	115.06	171.63			
11/04/04	190.58	158.09	115.59	170.82			
11/05/04	240.55	241.61	152.09	256.53			
11/06/04	254.53	263.68	137.15	239.73			
11/07/04	280.69	301.79	160.14	280.12			
11/08/04	260.81	273.69	165.64	290.75			
11/09/04	228.47	225.58	137.21	241.07			
11/10/04	187.49	147.81	111.72	163.38			
11/11/04	193.41	159.25	118.29	174.77			
11/12/04	198.05	170.91	122.43	186.63			
11/13/04	197.13	169.48	120.13	184.79			
11/14/04	213.33	203.86	126.94	218.63			
11/15/04	242.47	254.03	147.27	271.19			
11/16/04	261.03	283.63	163.07	301.96			
11/17/04	263.41	288.84	163.29	305.64			
11/18/04	252.78	271.64	154.30	289.23			
11/19/04	246.89	264.79	148.51	281.10			
11/20/04	259.06	282.52	158.77	300.80			
11/21/04	257.73	279.40	156.77	297.46			
11/22/04	257.57	280.21	155.34	297.75			
11/23/04	236.52	250.52	137.77	266.06			
11/24/04	236.40	248.59	137.02	265.21			
11/25/04	215.00	209.96	122.04	225.44			
11/26/04	185.82	150.61	103.51	165.49			
11/27/04	177.02	140.14	093.38	150.50			
11/28/04	187.51	158.70	101.61	165.97			
11/29/04	183.13	151.86	097.77	160.27			
11/30/04	188.07	160.69	102.84	171.86			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
12/01/04	164.96	170.10	104.39	251.78			
12/02/04	154.07	280.89	150.81	341.34			
12/03/04	174.98	228.23	125.26	244.83			
12/04/04	182.86	273.64	136.33	290.11			
12/05/04	252.44	265.58	143.53	281.59			
12/06/04	252.28	268.03	145.14	283.62			
12/07/04	218.46	211.17	115.02	223.26			
12/08/04	255.20	269.72	147.71	284.29			
12/09/04	246.25	254.93	140.52	268.17			
12/10/04	243.72	249.39	137.28	261.93			
12/11/04	240.12	245.62	134.21	258.34			
12/12/04	215.86	200.03	115.90	212.07			
12/13/04	189.11	147.30	099.45	159.49			
12/14/04	187.05	148.79	098.39	160.62			
12/15/04	154.88	148.78	096.28	160.25			
12/16/04	166.33	211.48	123.19	223.63			
12/17/04	250.17	269.50	144.26	283.94			
12/18/04	202.94	273.41	149.91	287.46			
12/19/04	188.93	271.25	150.45	284.90			
12/20/04	220.87	287.18	160.30	301.52			
12/21/04	218.78	218.79	110.11	208.67			
12/22/04	256.25	279.27	155.07	295.83			
12/23/04	092.05	228.87	126.67	272.13			
12/24/04	000.02	277.06	138.73	499.86			
12/25/04	071.82	410.06	414.47	426.07			
12/26/04	109.92	319.66	312.02	365.48			
12/27/04	195.98	296.84	157.13	267.62			
12/28/04	293.06	267.38	142.71	279.29			
12/29/04	304.27	291.13	155.50	304.60			
12/30/04	308.22	300.62	160.33	314.89			
12/31/04	305.67	294.79	157.54	308.25			
01/01/05	297.28	277.11	147.58	289.00			
01/02/05	298.75	279.72	149.27	291.24			
01/03/05	284.89	250.45	132.44	259.69			
01/04/05	275.04	229.14	121.97	238.73			
01/05/05	281.83	243.74	131.24	254.19			
01/06/05	283.29	251.11	132.01	261.23			
01/07/05	286.79	258.65	136.01	269.61			
01/08/05	266.32	212.15	111.81	221.44			
01/09/05	254.79	184.79	101.88	193.63			
01/10/05	259.89	195.97	105.00	203.82			
01/11/05	256.94	186.21	102.41	198.72			
01/12/05	272.43	223.52	125.69	241.49			
01/13/05	258.65	195.94	105.11	198.73			
01/14/05	205.68	206.83	112.37	221.67			
01/15/05	229.96	202.12	109.00	215.03			
01/16/05	241.79	222.55	124.16	238.93			
01/17/05	132.32	156.66	099.50	209.71			
01/18/05	145.70	164.86	104.95	182.01			
01/19/05	158.94	159.56	102.38	188.96			
01/20/05	227.30	263.95	147.36	285.55			
01/21/05	233.56	228.25	123.81	243.98			
01/22/05	236.62	231.47	124.79	247.49			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
01/23/05	230.09	217.94	122.90	235.51			
01/24/05	192.09	148.06	093.24	162.86			
01/25/05	202.75	166.96	103.58	182.21			
01/26/05	202.76	168.29	104.33	185.19			
01/27/05	233.64	233.64	123.72	250.87			
01/28/05	252.49	265.95	140.08	284.97			
01/29/05	249.23	258.81	135.97	276.27			
01/30/05	246.66	255.76	132.30	272.67			
01/31/05	240.99	247.80	127.54	264.31			
02/01/05	191.76	160.00	081.93	170.47			
02/02/05	249.79	265.90	133.88	279.24			
02/03/05	251.86	268.11	132.95	275.74			
02/04/05	182.53	230.09	114.25	257.01			
02/05/05	253.03	238.36	118.31	245.71			
02/06/05	241.33	214.61	106.35	221.34			
02/07/05	233.58	194.85	104.55	202.90			
02/08/05	248.80	228.45	108.39	221.97			
02/09/05	255.77	240.92	123.48	255.66			
02/10/05	261.49	251.63	127.51	264.24			
02/11/05	248.17	225.41	115.99	237.30			
02/12/05	255.53	240.23	123.23	253.24			
02/13/05	243.20	215.85	111.01	227.77			
02/14/05	232.61	195.34	099.82	205.63			
02/15/05	230.16	187.71	097.44	198.45			
02/16/05	228.88	186.87	095.06	197.38			
02/17/05	264.96	261.94	132.27	276.60			
02/18/05	253.88	239.50	119.66	250.91			
02/19/05	237.32	207.43	102.38	215.21			
02/20/05	226.68	183.40	092.77	191.63			
02/21/05	237.45	202.09	105.28	211.96			
02/22/05	245.44	220.61	112.65	231.50			
02/23/05	246.30	222.05	114.09	234.04			
02/24/05	244.92	222.56	113.79	235.32			
02/25/05	260.05	258.54	134.08	274.20			
02/26/05	250.84	236.92	122.29	251.65			
02/27/05	257.16	250.51	130.94	266.71			
02/28/05	251.28	239.15	124.78	253.82			
03/01/05	257.16	250.17	131.40	267.93			
03/02/05	236.16	207.22	110.16	222.90			
03/03/05	196.02	126.81	067.38	136.64			
03/04/05	254.12	247.14	123.91	252.43			
03/05/05	237.32	208.37	106.87	216.67			
03/06/05	226.27	186.32	097.17	195.63			
03/07/05	243.24	221.01	112.70	232.62			
03/08/05	231.79	198.26	100.98	209.14			
03/09/05	195.97	122.10	062.35	129.43			
03/10/05	237.69	210.57	106.58	220.06			
03/11/05	271.83	277.41	138.32	281.46			
03/12/05	236.95	207.92	105.45	214.14			
03/13/05	253.47	239.13	122.60	247.23			
03/14/05	234.25	200.27	104.33	207.90			
03/15/05	213.13	160.00	083.60	166.38			
03/16/05	257.86	250.23	129.74	261.18			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
03/17/05	241.78	219.41	112.16	244.33			
03/18/05	227.70	190.82	098.03	199.60			
03/19/05	239.76	212.61	110.24	223.12			
03/20/05	246.34	224.09	116.95	235.70			
03/21/05	232.54	197.53	103.13	209.04			
03/22/05	233.59	201.68	088.59	180.25			
03/23/05	224.58	183.54	095.02	192.15			
03/24/05	250.75	238.95	109.38	224.58			
03/25/05	239.99	218.64	112.11	230.29			
03/26/05	244.43	229.56	113.21	230.22			
03/27/05	245.81	240.40	123.00	249.05			
03/28/05	252.89	251.79	119.02	242.64			
03/29/05	232.33	210.10	099.92	202.43			
03/30/05	247.91	244.71	127.47	256.81			
04/01/05	245.58	242.23	127.05	261.61			
04/02/05	262.05	283.02	142.19	294.01			
04/03/05	256.33	267.11	134.67	276.76			
04/04/05	256.77	270.85	132.74	271.23			
04/05/05	220.63	189.94	091.65	185.29			
04/06/05	243.68	247.35	109.43	224.03			
04/07/05	254.21	279.50	136.24	283.64			
04/08/05	229.15	227.00	104.11	216.61			
04/09/05	261.07	297.66	093.86	202.74			
04/10/05	245.45	276.45	141.66	298.66			
04/11/05	219.35	212.40	103.20	218.88			
04/12/05	206.71	178.74	088.07	184.77			
04/13/05	227.06	232.06	112.93	235.44			
04/14/05	227.84	233.98	118.24	244.98			
04/15/05	231.10	240.49	107.41	225.16			
04/16/05	220.51	215.08	103.26	217.99			
04/17/05	213.56	197.98	096.08	200.41			
04/18/05	231.91	240.45	119.84	247.54			
04/19/05	238.42	250.12	124.44	255.95			
04/20/05	238.78	244.79	123.64	253.33			
04/21/05	253.01	273.23	140.43	287.08			
04/22/05	248.86	260.70	135.75	271.02			
04/23/05	253.44	269.31	128.03	260.13			
04/24/05	249.36	257.22	134.81	273.83			
04/25/05	262.57	287.06	147.53	299.23			
04/26/05	267.19	293.73	152.54	309.07			
04/27/05	262.42	284.16	144.13	291.59			
04/28/05	271.95	304.67	155.37	312.48			
04/29/05	278.14	313.53	162.25	324.83			
04/30/05	269.53	291.30	148.88	299.67			
05/01/05	276.92	310.32	163.35	332.69			
05/02/05	269.85	291.58	153.66	310.47			
05/03/05	268.63	290.68	152.24	309.70			
05/04/05	256.75	265.51	138.79	282.70			
05/05/05	249.84	244.65	128.65	260.70			
05/06/05	267.13	279.34	147.57	296.44			
05/07/05	232.62	204.54	108.36	217.64			
05/08/05	265.47	270.42	144.89	288.22			
05/09/05	246.60	232.16	123.18	246.13			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
05/10/05	253.19	243.28	129.57	258.33			
05/11/05	273.79	285.08	153.83	303.36			
05/12/05	261.91	261.64	138.64	277.15			
05/13/05	260.49	259.01	136.50	273.92			
05/14/05	254.37	245.86	129.81	260.68			
05/15/05	246.28	230.65	125.49	245.08			
05/16/05	272.27	285.72	149.22	302.91			
05/17/05	274.17	287.29	147.43	296.96			
05/18/05	275.16	288.62	147.39	297.39			
05/19/05	253.01	241.38	125.25	250.40			
05/20/05	276.71	289.40	143.95	289.09			
05/21/05	266.26	265.22	140.12	281.19			
05/22/05	261.92	256.19	136.42	272.80			
05/23/05	259.76	251.06	133.12	268.69			
05/24/05	264.50	257.73	136.20	275.24			
05/25/05	271.98	275.44	142.84	289.59			
05/26/05	277.11	285.39	144.26	293.20			
05/27/05	277.60	285.86	145.03	296.76			
05/28/05	270.04	269.23	136.39	280.09			
05/29/05	278.07	284.55	144.60	296.56			
05/30/05	271.02	269.87	136.88	281.40			
05/31/05	259.99	246.11	124.15	256.99			
06/01/05	267.34	257.99	122.06	252.54			
06/02/05	273.79	267.43	136.19	284.44			
06/03/05	262.21	241.09	113.33	235.29			
06/04/05	263.30	244.66	126.58	261.82			
06/05/05	209.26	140.69	073.08	151.92			
06/06/05	283.13	282.83	147.31	304.96			
06/07/05	276.90	273.94	138.98	289.95			
06/08/05	279.08	270.53	137.60	288.12			
06/09/05	276.36	254.86	129.59	272.92			
06/10/05	265.46	251.60	128.93	270.83			
06/11/05	269.62	257.95	127.47	267.73			
06/12/05	283.51	284.68	145.89	305.13			
06/13/05	279.70	277.23	140.24	290.77			
06/14/05	285.37	289.07	143.47	298.52			
06/15/05	282.59	281.92	140.50	292.01			
06/16/05	283.25	282.01	138.36	288.94			
06/17/05	274.25	265.07	138.18	289.39			
06/18/05	288.78	291.10	147.65	305.56			
06/19/05	279.94	271.64	136.95	281.94			
06/20/05	288.09	285.68	144.13	297.08			
06/21/05	282.06	274.30	138.69	287.05			
06/22/05	277.88	263.70	131.73	271.19			
06/23/05	291.92	289.08	147.73	309.21			
06/24/05	307.06	319.50	159.03	335.44			
06/25/05	303.95	312.31	152.80	322.36			
06/26/05	300.63	304.49	152.21	323.12			
06/27/05	302.87	309.29	153.60	329.02			
06/28/05	273.82	255.14	125.60	272.25			
06/29/05	297.40	296.90	146.27	314.40			
06/30/05	294.69	292.51	145.71	312.59			
07/01/05	283.89	271.33	136.28	291.57			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
07/02/05	274.89	254.62	128.22	269.38			
07/03/05	269.09	248.49	124.06	257.99			
07/04/05	277.77	260.45	134.81	272.58			
07/05/05	241.63	195.55	101.44	209.06			
07/06/05	281.76	264.66	136.56	281.00			
07/07/05	252.60	213.82	105.11	217.42			
07/08/05	279.90	258.71	133.30	276.10			
07/09/05	255.93	219.04	111.53	233.80			
07/10/05	270.18	242.57	122.60	260.39			
07/11/05	233.88	200.20	112.55	241.83			
07/12/05	282.93	266.41	134.11	289.14			
07/13/05	283.06	267.48	132.77	285.01			
07/14/05	260.15	227.34	109.92	236.37			
07/15/05	280.03	262.79	127.91	276.15			
07/16/05	254.35	217.46	106.15	230.44			
07/17/05	263.35	235.12	120.27	263.57			
07/18/05	263.28	233.68	109.53	242.05			
07/19/05	280.79	264.17	125.92	270.54			
07/20/05	262.08	214.23	116.19	241.07			
07/21/05	267.47	236.55	125.01	258.66			
07/22/05	267.70	236.38	124.28	258.45			
07/23/05	272.35	244.46	128.31	265.69			
07/24/05	240.94	190.33	131.87	272.41			
07/25/05	275.94	250.75	127.87	263.41			
07/26/05	257.61	218.60	109.56	226.70			
07/27/05	278.54	261.38	127.09	260.24			
07/28/05	278.65	253.93	132.09	272.24			
07/29/05	272.98	244.04	126.74	260.28			
07/30/05	280.23	256.24	129.98	266.60			
07/31/05	264.06	225.38	115.83	238.07			
08/01/05	282.05	257.16	131.47	272.27			
08/02/05	280.58	253.35	130.36	269.70			
08/03/05	234.15	172.11	102.26	212.40			
08/04/05	263.01	218.13	131.27	270.19			
08/05/05	269.04	225.38	117.72	238.62			
08/06/05	250.36	209.17	113.06	236.26			
08/07/05	298.44	275.94	123.37	259.36			
08/08/05	249.22	193.93	102.09	211.70			
08/09/05	246.92	189.98	096.87	200.08			
08/10/05	199.07	108.34	059.65	118.80			
08/11/05	278.47	234.41	124.99	253.60			
08/12/05	274.56	226.93	121.77	245.06			
08/13/05	289.73	252.58	131.80	265.00			
08/14/05	266.51	214.51	114.21	226.71			
08/15/05	274.95	225.47	123.35	241.51			
08/16/05	271.92	220.64	123.04	238.70			
08/17/05	254.00	192.48	101.94	197.45			
08/18/05	277.03	227.28	129.73	242.20			
08/19/05	230.29	162.88	103.18	192.72			
08/20/05	233.37	167.64	101.36	180.37			
08/21/05	245.57	172.84	106.01	193.20			
08/22/05	261.06	198.10	119.34	218.27			
08/23/05	260.02	197.67	118.40	215.59			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

	WDW-1		WDW-2			WDW-3	
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
08/24/05	249.86	183.21	108.88	194.34			
08/25/05	246.11	175.77	108.13	187.43			
08/26/05	275.45	221.87	132.10	239.52			
08/27/05	257.45	191.12	109.56	198.63			
08/28/05	253.39	185.25	112.55	203.44			
08/29/05	276.89	224.44	134.39	245.91			
08/30/05	270.39	216.73	129.82	237.23			
08/31/05	280.99	233.35	134.78	245.86			
09/01/05	273.93	222.29	129.31	234.66			
09/02/05	283.28	240.10	140.50	256.45			
09/03/05	284.10	241.57	136.32	249.15			
09/04/05	275.77	228.06	136.12	250.16			
09/05/05	276.45	228.91	137.33	252.29			
09/06/05	232.94	159.81	095.37	176.21			
09/07/05	282.40	236.83	138.32	252.53			
09/08/05	235.99	163.07	096.04	176.09			
09/09/05	237.22	163.26	097.74	174.94			
09/10/05	259.82	198.85	117.44	213.60			
09/11/05	238.79	167.44	101.00	183.67			
09/12/05	243.80	173.90	105.44	187.78			
09/13/05	231.27	152.19	096.19	164.01			
09/14/05	244.65	174.31	105.48	187.68			
09/15/05	232.14	157.17	092.22	170.21			
09/16/05	238.78	168.32	102.70	179.02			
09/17/05	219.42	137.34	082.06	138.77			
09/18/05	235.61	163.41	103.64	179.35			
09/19/05	217.95	133.29	083.48	146.18			
09/20/05	235.29	159.72	099.94	174.60			
09/21/05	253.42	163.20	102.30	177.84			
09/22/05	229.08	145.32	091.38	158.03			
09/23/05	243.78	171.52	109.98	186.59			
09/24/05	240.43	167.79	098.71	170.77			
09/25/05	235.01	153.06	097.14	168.78			
09/26/05	237.81	143.76	088.18	159.01			
09/27/05	238.53	155.64	098.87	172.05			
09/28/05	232.92	156.37	099.84	172.57			
09/29/05	240.20	166.50	105.11	184.30			
09/30/05	232.60	146.47	094.96	165.30			
10/01/05	259.26	197.97	125.67	215.57			
10/02/05	249.39	183.44	111.53	193.49			
10/03/05	238.98	170.20	101.47	181.22			
10/04/05	237.33	165.06	101.47	178.59			
10/05/05	238.09	169.14	104.53	183.71			
10/06/05	230.93	157.86	096.60	172.02			
10/07/05	229.42	159.82	097.80	175.28			
10/08/05	253.74	192.05	115.99	204.45			
10/09/05	236.75	165.74	104.21	176.71			
10/10/05	255.79	195.81	119.30	204.61			
10/11/05	235.90	169.87	103.38	181.28			
10/12/05	223.24	144.81	093.12	159.98			
10/13/05	218.91	137.49	084.06	146.55			
10/14/05	264.60	210.65	122.17	214.92			
10/15/05	243.23	177.67	107.54	184.81			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
10/16/05	226.18	154.50	098.01	170.79			
10/17/05	229.55	160.76	103.73	180.05			
10/18/05	233.95	168.35	104.51	184.33			
10/19/05	229.55	160.28	096.54	172.16			
10/20/05	244.02	186.09	115.50	201.03			
10/21/05	247.12	186.18	113.89	200.98			
10/22/05	246.49	181.22	109.10	196.09			
10/23/05	248.11	192.17	119.59	208.53			
10/24/05	240.14	182.07	111.42	198.26			
10/25/05	229.34	162.92	098.67	177.26			
10/26/05	253.59	195.40	119.11	212.82			
10/27/05	250.78	193.83	119.03	211.23			
10/28/05	254.16	202.10	123.03	219.04			
10/29/05	253.06	199.70	126.63	223.78			
10/30/05	259.55	210.89	127.63	223.59			
10/30/05	253.94	199.93	122.63	214.72			
11/01/05	244.29	188.27	120.95	213.29			
11/02/05	234.60	172.99	109.44	191.51			
11/03/05	230.36	167.93	102.39	179.46			
11/04/05	250.67	201.58	122.75	216.61			
11/05/05	241.55	188.65	114.25	202.09			
11/06/05	253.94	207.56	112.29	196.95			
11/07/05	231.19	173.20	104.42	188.12			
11/08/05	239.21	189.60	110.28	197.95			
11/09/05	244.73	191.26	116.50	207.99			
11/10/05	246.83	198.06	123.35	217.38			
11/11/05	240.54	190.33	118.64	211.01			
11/12/05	241.07	189.64	111.58	197.41			
11/13/05	237.52	188.41	118.18	213.33			
11/14/05	239.72	192.58	114.19	207.19			
11/15/05	237.96	185.90	107.48	196.90			
11/16/05	234.58	186.04	111.78	203.71			
11/17/05	232.79	179.27	110.63	201.79			
11/18/05	234.74	180.81	111.38	205.04			
11/19/05	248.54	210.55	124.48	228.03			
11/20/05	237.69	190.65	107.16	197.43			
11/21/05	234.81	183.16	104.07	192.16			
11/22/05	237.10	189.67	107.34	198.63			
11/23/05	234.09	191.87	114.59	211.01			
11/24/05	266.41	244.19	128.97	245.19			
11/25/05	263.52	234.51	120.28	232.55			
11/26/05	275.06	257.78	136.00	265.29			
11/27/05	266.49	238.69	128.42	250.21			
11/28/05	213.64	195.95	131.84	255.99			
11/29/05	262.11	238.63	126.29	244.39			
11/30/05	219.20	258.02	136.18	236.46			
12/01/05	227.74	231.10	115.98	222.26			
12/02/05	210.36	207.51	085.94	172.49			
12/03/05	266.03	281.41	104.48	217.86			
12/04/05	236.37	249.87	130.28	255.35			
12/05/05	222.71	248.68	121.93	238.95			
12/06/05	234.36	259.14	125.71	235.51			
12/07/05	156.35	302.96	131.18	359.35			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
12/08/05	183.09	370.13	165.65	476.81			
12/09/05	302.51	367.05	312.98	499.86			
12/10/05	304.82	345.28	091.07	499.86			
12/11/05	271.53	292.10	137.59	499.86			
12/12/05	268.42	283.79	134.08	499.86			
12/13/05	259.64	258.44	121.27	499.86			
12/14/05	267.90	275.24	129.35	499.86			
12/15/05	269.46	282.98	143.72	499.86			
12/16/05	243.90	269.71	088.11	499.86			
12/17/05	244.25	264.03	041.90	499.86			
12/18/05	255.59	287.29	123.18	499.86			
12/19/05	222.16	253.05	098.32	499.86			
12/20/05	181.08	145.24	056.51	499.86			
12/21/05	242.25	287.78	120.61	499.86			
12/22/05	212.77	248.39	094.82	499.86			
12/23/05	233.33	253.40	119.02	499.86			
12/24/05	223.25	221.18	098.73	499.86			
12/25/05	232.03	234.00	113.40	499.86			
12/26/05	227.66	221.17	111.83	499.86			
12/27/05	224.12	208.90	106.36	499.86			
12/28/05	235.83	226.72	111.01	499.86			
12/29/05	228.30	212.05	103.48	499.86			
12/30/05	231.05	213.14	106.25	499.86			
12/31/05	230.21	209.31	105.69	499.86			
01/01/06	237.34	220.12	113.08	499.86			
01/02/06	204.91	170.58	100.72	499.86			
01/03/06	229.63	199.97	104.02	499.86			
01/04/06	241.01	215.53	114.44	499.86			
01/05/06	235.89	205.65	108.62	499.86			
01/06/06	221.09	181.27	095.18	499.86			
01/07/06	227.39	185.94	093.72	499.86			
01/08/06	238.51	200.14	109.59	499.86			
01/09/06	236.80	194.88	107.18	499.86			
01/10/06	231.37	187.84	110.61	499.86			
01/11/06	247.14	234.90	105.06	499.86			
01/12/06	243.24	200.89	106.82	499.86			
01/13/06	259.79	235.04	123.44	499.86			
01/14/06	254.61	226.95	118.09	499.86			
01/15/06	254.22	217.00	121.98	499.86			
01/16/06	263.65	232.50	131.94	499.86			
01/17/06	272.46	248.79	141.59	499.86			
01/18/06	280.75	253.84	144.70	499.86			
01/19/06	280.66	229.88	141.31	499.86			
01/20/06	273.72	212.96	133.58	499.86			
01/21/06	268.96	206.87	129.24	499.86			
01/22/06	285.31	239.09	144.49	499.86			
01/23/06	286.48	240.12	143.89	499.86			
01/24/06	288.53	245.08	143.10	499.86			
01/25/06	281.69	229.21	136.75	499.86			
01/26/06	273.06	213.87	128.45	499.86			
01/27/06	270.41	208.28	135.96	499.86			
01/28/06	270.98	214.25	126.73	499.86			
01/29/06	278.64	231.64	126.94	499.86			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
01/30/06	276.49	235.44	140.96	499.86			
01/31/06	260.72	214.46	118.37	499.86			
02/01/06	255.36	214.67	121.56	499.86			
02/02/06	251.59	210.32	128.80	499.86			
02/03/06	264.37	237.98	129.42	499.86			
02/04/06	265.17	248.65	140.01	391.84			
02/05/06	262.90	243.46	137.10	260.61			
02/06/06	258.93	233.16	131.21	248.93			
02/07/06	263.07	245.63	133.07	263.00			
02/08/06	230.62	192.44	099.17	193.81			
02/09/06	266.53	253.36	130.22	264.54			
02/10/06	256.75	236.51	124.01	241.46			
02/11/06	205.16	141.94	072.15	142.52			
02/12/06	227.15	185.07	099.76	184.01			
02/13/06	200.02	228.85	093.31	099.45			
02/14/06	240.13	210.11	112.61	218.96			
02/15/06	224.41	178.78	097.58	189.15			
02/16/06	237.00	196.52	106.08	201.58			
02/17/06	223.66	174.20	095.51	180.57			
02/18/06	210.89	158.64	087.56	138.75			
02/19/06	218.14	171.36	091.31	144.41			
02/20/06	231.93	196.14	110.13	305.10			
02/21/06	240.72	203.65	112.26	210.82			
02/22/06	206.32	140.17	080.20	151.60			
02/23/06	229.52	179.72	101.70	190.52			
02/24/06	244.93	205.81	117.57	219.77			
02/25/06	232.41	181.75	105.75	196.85			
02/26/06	218.13	157.82	087.13	161.45			
02/27/06	212.21	148.45	084.85	156.29			
02/28/06	228.94	173.55	096.84	178.49			
03/01/06	214.00	146.29	080.57	147.64			
03/02/06	216.53	150.74	089.19	162.93			
03/03/06	213.92	149.05	092.03	170.75			
03/04/06	219.52	160.79	095.94	178.78			
03/05/06	232.71	182.98	106.63	197.36			
03/06/06	242.14	196.40	113.48	208.21			
03/07/06	221.31	157.57	090.02	164.89			
03/08/06	216.46	153.24	090.45	158.37			
03/09/06	224.88	163.28	100.45	181.61			
03/10/06	247.90	203.49	116.11	210.76			
03/11/06	211.67	140.20	079.37	144.26			
03/12/06	217.31	147.45	089.80	161.54			
03/13/06	225.31	160.94	096.36	173.32			
03/14/06	237.56	180.81	114.27	203.32			
03/15/06	199.55	119.98	071.50	128.94			
03/16/06	264.64	221.22	133.54	239.00			
03/17/06	263.41	218.42	131.77	235.17			
03/18/06	260.50	214.18	129.13	230.46			
03/19/06	236.70	176.23	106.27	190.93			
03/20/06	250.24	197.08	119.66	214.92			
03/21/06	221.93	154.13	093.80	169.58			
03/22/06	242.61	187.83	108.28	217.51			
03/23/06	223.91	159.18	092.26	166.23			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
03/24/06	245.29	187.66	110.09	234.85			
03/25/06	247.25	190.67	115.26	207.53			
03/26/06	242.95	182.45	106.20	189.80			
03/27/06	251.77	194.80	118.89	212.55			
03/28/06	235.25	168.62	104.10	186.61			
03/29/06	256.61	201.97	118.28	210.93			
03/30/06	243.80	182.59	107.34	192.32			
03/31/06	254.33	196.98	116.61	206.91			
04/01/06	244.92	183.71	108.06	191.34			
04/02/06	255.31	198.84	117.97	210.53			
04/03/06	259.64	205.18	126.30	227.24			
04/04/06	233.20	164.21	039.34	071.26			
04/05/06	162.69	057.49	118.76	235.20			
04/06/06	225.50	159.64	102.32	201.95			
04/07/06	282.14	243.71	056.89	101.17			
04/08/06	266.62	216.21	131.53	235.30			
04/09/06	246.24	183.81	112.48	199.87			
04/10/06	269.45	220.40	135.71	242.98			
04/11/06	275.61	231.72	134.55	239.58			
04/12/06	251.92	193.26	112.04	200.15			
04/13/06	245.43	181.63	105.65	189.12			
04/14/06	238.99	167.11	102.90	180.89			
04/15/06	246.88	181.44	111.88	198.00			
04/16/06	263.70	211.77	129.30	228.00			
04/17/06	271.47	227.44	134.95	243.54			
04/18/06	276.60	236.97	138.34	249.83			
04/19/06	263.09	214.62	124.13	223.24			
04/20/06	268.62	226.05	129.52	235.76			
04/21/06	266.05	221.92	126.40	231.40			
04/22/06	246.21	188.31	108.21	196.72			
04/23/06	241.85	182.30	104.54	190.60			
04/24/06	259.79	208.76	120.71	217.55			
04/25/06	261.63	212.24	124.78	227.37			
04/26/06	252.54	202.58	118.83	217.86			
04/27/06	244.39	188.83	110.24	203.42			
04/28/06	243.48	184.85	107.38	199.22			
04/29/06	249.27	195.08	115.81	213.98			
05/01/06	246.60	188.89	111.64	201.86			
05/02/06	244.64	184.77	110.29	199.08			
05/03/06	267.34	220.32	129.34	236.17			
05/04/06	266.65	222.06	130.28	239.30			
05/05/06	248.71	194.28	114.86	211.87			
05/06/06	259.16	214.06	127.67	235.49			
05/07/06	253.39	207.28	119.41	221.19			
05/08/06	268.37	231.62	134.17	247.64			
05/09/06	261.37	217.59	125.88	231.34			
05/10/06	266.19	226.63	130.21	238.08			
05/11/06	263.75	224.43	129.48	238.04			
05/12/06	263.46	226.16	128.79	237.50			
05/13/06	259.42	217.63	124.38	227.45			
05/14/06	264.72	226.83	133.38	243.95			
05/15/06	260.38	221.56	133.21	246.23			
05/16/06	299.70	295.00	156.29	305.35			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
05/17/06	266.64	234.06	116.79	227.82			
05/18/06	297.39	296.38	147.22	291.75			
05/19/06	285.14	278.70	136.38	270.72			
05/20/06	280.64	281.47	141.21	282.88			
05/21/06	284.45	298.32	132.86	269.47			
05/22/06	249.65	227.50	116.99	235.56			
05/23/06	284.50	311.66	149.12	305.93			
05/24/06	265.92	271.44	116.04	238.47			
05/25/06	252.86	272.69	133.64	275.70			
05/26/06	263.61	261.57	135.95	274.31			
05/27/06	267.81	268.13	126.98	255.76			
05/28/06	278.45	286.03	139.90	281.41			
05/29/06	263.40	255.80	131.60	264.57			
05/30/06	268.88	266.24	139.56	279.84			
05/31/06	270.19	260.34	135.79	270.98			
06/01/06	263.67	251.66	132.42	266.65			
06/02/06	284.00	285.84	151.20	304.51			
06/03/06	262.06	243.45	123.99	253.88			
06/04/06	264.72	245.63	126.04	257.91			
06/05/06	268.76	252.55	129.36	265.75			
06/06/06	266.02	240.94	124.01	254.85			
06/07/06	270.22	246.31	128.11	261.24			
06/08/06	287.97	281.17	145.68	297.39			
06/09/06	255.80	221.09	114.96	235.16			
06/10/06	275.71	252.90	132.38	269.18			
06/11/06	250.45	209.97	109.53	223.81			
06/12/06	252.93	208.51	109.80	224.64			
06/13/06	220.05	152.81	086.91	169.42			
06/14/06	231.57	173.94	095.19	184.41			
06/15/06	227.41	167.59	088.30	173.33			
06/16/06	281.81	261.43	130.09	269.95			
06/17/06	281.40	260.90	130.40	269.79			
06/18/06	258.14	221.72	111.11	231.98			
06/19/06	275.43	250.15	125.95	260.23			
06/20/06	270.92	240.47	120.31	249.86			
06/21/06	273.59	247.41	123.17	257.40			
06/22/06	248.16	202.23	099.01	209.19			
06/23/06	282.29	268.82	136.14	286.05			
06/24/06	263.98	241.60	118.48	252.51			
06/25/06	276.96	265.30	128.56	274.03			
06/26/06	271.33	261.40	125.10	268.39			
06/27/06	303.63	326.30	160.18	345.40			
06/28/06	306.92	332.60	159.52	341.44			
06/29/06	311.30	338.63	164.31	350.49			
06/30/06	295.94	314.19	148.20	320.32			
07/01/06	253.08	234.94	136.46	293.87			
07/02/06	280.52	280.22	134.34	290.80			
07/03/06	304.15	325.00	138.93	300.15			
07/04/06	248.67	223.03	102.90	226.06			
07/05/06	277.08	275.54	133.41	286.92			
07/06/06	256.23	232.87	108.11	233.95			
07/07/06	219.13	162.37	077.77	175.02			
07/08/06	264.72	243.25	116.49	248.28			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

					WDW-3		
WDW-1		WDW-2		Date	Rate		Pres
Date	Rate	Pres	Rate		Rate	Pres	
07/09/06	256.11	228.87	112.65				239.04
07/10/06	279.66	268.92	128.97				272.94
07/11/06	250.24	215.09	108.44				232.49
07/12/06	267.88	248.20	126.09				267.14
07/13/06	253.19	221.27	105.67				225.85
07/14/06	259.54	234.44	117.25				257.71
07/15/06	257.01	229.61	113.62				243.71
07/16/06	270.40	251.37	121.37				260.77
07/17/06	264.25	241.96	118.68				258.00
07/18/06	253.40	220.30	108.80				236.24
07/19/06	249.12	215.07	108.08				235.23
07/20/06	225.11	170.28	095.65				208.44
07/21/06	217.94	156.28	115.03				249.07
07/22/06	274.99	257.03	125.28				268.95
07/23/06	252.38	217.35	104.62				227.43
07/24/06	279.97	267.82	127.86				277.23
07/25/06	261.50	234.78	111.84				244.08
07/26/06	263.43	239.48	113.45				248.19
07/27/06	244.35	202.63	097.64				214.09
07/28/06	280.64	272.33	131.36				287.27
07/29/06	258.19	230.68	107.79				236.62
07/30/06	224.29	173.04	110.36				243.09
07/31/06	274.93	258.81	127.14				279.87
08/01/06	251.50	218.45	119.86				263.48
08/02/06	271.34	248.96	109.74				241.57
08/03/06	299.50	295.64	117.96				258.56
08/04/06	193.82	101.60	106.25				231.97
08/05/06	226.52	142.71	097.46				213.54
08/06/06	265.74	216.23	116.79				253.72
08/07/06	235.75	172.93	093.90				205.26
08/08/06	244.53	189.89	095.24				207.64
08/09/06	231.53	172.23	086.45				189.39
08/10/06	243.52	192.37	096.67				210.29
08/11/06	265.84	231.08	115.82				249.74
08/12/06	255.18	216.29	095.63				209.25
08/13/06	263.54	234.46	113.90				250.19
08/14/06	216.47	156.17	089.07				199.70
08/15/06	263.08	240.17	110.74				246.24
08/16/06	249.14	212.76	099.84				222.42
08/17/06	234.02	183.13	111.33				246.88
08/18/06	272.00	242.66	127.99				281.40
08/19/06	279.22	263.56	117.10				256.12
08/20/06	292.69	282.06	088.20				198.87
08/21/06	293.08	284.93	101.90				224.17
08/22/06	281.68	268.79	115.77				254.14
08/23/06	311.93	328.09	123.92				272.38
08/24/06	251.54	223.89	106.06				234.17
08/25/06	196.88	280.70	000.00				005.45
08/26/06	133.04	040.35	000.05				004.83
08/27/06	294.62	289.86	140.65				307.38
08/28/06	298.19	298.42	123.37				277.40
08/29/06	270.85	248.79	106.29				233.65
08/30/06	279.46	261.74	131.04				286.27

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2			WDW-3		
Date	Rate	Pres	Rate	Pres		Date	Rate	Pres
08/31/06	240.92	191.26	099.00	215.60				
09/01/06	216.94	151.42	064.19	145.13				
09/02/06	249.61	207.46	106.49	233.99				
09/03/06	235.17	188.09	095.18	210.84				
09/04/06	264.57	241.72	118.49	193.92				
09/05/06	284.42	274.70	145.31	217.45				
09/06/06	279.13	264.26	130.54	181.33				
09/07/06	266.70	243.77	118.04	126.86				
09/08/06	255.18	224.98	108.96	362.30				
09/09/06	229.68	177.57	088.39	410.17				
09/10/06	209.98	142.86	070.79	313.82				
09/11/06	232.03	180.56	088.46	230.67				
09/12/06	230.95	181.03	084.28	258.25				
09/13/06	257.06	228.54	110.65	446.89				
09/14/06	163.68	061.32	030.83	489.92				
09/15/06	177.27	084.65	042.54	495.31				
09/16/06	287.19	293.05	148.53	490.24				
09/17/06	299.65	308.41	153.00	496.41				
09/18/06	277.67	274.39	116.03	458.31				
09/19/06	286.07	287.09	109.42	479.11				
09/20/06	261.41	240.85	078.61	499.86				
09/21/06	250.99	221.86	083.75	496.54				
09/22/06	243.76	205.82	099.29	496.05				
09/23/06	251.43	222.16	098.07	471.75				
09/24/06	242.51	208.06	079.42	371.03				
09/25/06	237.10	197.60	091.02	408.91				
09/26/06	240.76	204.99	099.64	439.61				
09/27/06	142.17	058.92	000.00	383.97				
09/28/06	129.68	001.94	000.00	427.75				
09/29/06	204.27	141.27	066.78	427.61				
09/30/06	300.50	319.08	163.28	495.38				
10/01/06	264.95	251.29	127.05	460.32				
10/02/06	260.06	243.80	123.13	446.81				
10/03/06	272.31	267.63	121.17	434.67				
10/04/06	267.33	255.31	114.27	397.36				
10/05/06	248.90	223.87	092.00	357.89				
10/06/06	248.27	220.14	104.17	421.38				
10/07/06	229.62	185.05	086.74	439.16				
10/08/06	223.27	179.30	080.85	480.98				
10/09/06	216.58	172.26	083.04	494.70				
10/10/06	211.06	167.54	075.19	492.56				
10/11/06	217.93	180.65	071.84	499.86				
10/12/06	212.05	172.33	071.41	499.86				
10/13/06	144.22	104.77	000.00	487.31				
10/14/06	125.29	006.93	000.00	499.86				
10/15/06	144.19	034.45	011.99	499.86				
10/16/06	312.33	351.90	134.13	499.86				
10/17/06	302.86	338.32	150.49	499.86				
10/18/06	248.57	232.80	096.38	499.86				
10/19/06	309.11	352.81	130.06	499.86				
10/20/06	286.49	313.75	130.76	499.86				
10/21/06	296.21	335.37	135.64	499.86				
10/22/06	291.61	326.80	132.68	499.86				

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

					WDW-3		
WDW-1		WDW-2		Date			Date
Date	Rate	Pres	Rate		Rate	Pres	
10/23/06	271.49	292.69	126.22			499.86	
10/24/06	256.74	263.30	108.88			499.86	
10/25/06	282.51	316.14	110.04			499.86	
10/26/06	263.17	276.31	106.62			499.86	
10/27/06	256.35	264.22	102.07			499.86	
10/28/06	229.30	217.90	089.75			499.86	
10/29/06	211.33	192.33	080.65			499.86	
10/29/06	207.49	189.28	066.69			499.86	
10/30/06	202.59	176.00	063.01			499.86	
11/01/06	177.82	119.78	016.06			499.28	
11/02/06	161.62	076.97	032.66			446.85	
11/03/06	298.11	361.88	154.31			497.94	
11/04/06	273.04	309.73	130.69			474.35	
11/05/06	282.65	336.20	146.90			499.86	
11/06/06	279.09	329.10	135.05			499.86	
11/07/06	268.90	311.81	130.00			499.86	
11/08/06	262.36	296.63	124.44			499.86	
11/09/06	266.85	304.58	123.18			499.86	
11/10/06	263.44	297.77	106.75			499.86	
11/11/06	248.30	267.16	108.46			499.86	
11/12/06	249.19	271.22	112.14			499.86	
11/13/06	245.34	261.63	108.31			499.86	
11/14/06	247.11	267.07	111.64			499.86	
11/15/06	133.75	068.31	000.00			499.86	
11/16/06	122.17	035.59	000.00			499.86	
11/17/06	286.97	358.63	143.70			499.86	
11/18/06	285.26	359.65	141.22			499.86	
11/19/06	285.31	368.03	152.99			499.86	
11/20/06	266.19	329.39	132.20			499.86	
11/21/06	273.55	351.24	140.01			499.86	
11/22/06	271.81	346.30	125.56			499.86	
11/23/06	271.96	354.24	119.23			499.86	
11/24/06	253.29	307.76	120.19			499.86	
11/25/06	257.22	314.72	122.24			499.86	
11/26/06	247.83	296.70	110.90			499.86	
11/27/06	237.79	269.17	103.52			499.86	
11/28/06	240.38	274.77	103.70			499.86	
11/29/06	236.63	267.39	103.55			499.86	
11/30/06	235.40	271.22	108.85			482.94	
12/01/06	341.61	322.34	069.48			205.12	
12/02/06	155.97	365.23	109.52			300.35	
12/03/06	211.07	313.94	118.16			441.47	
12/04/06	128.93	350.03	114.31			423.53	
12/05/06	147.83	372.01	120.98			483.94	
12/06/06	148.58	294.21	103.71			496.74	
12/07/06	270.33	372.64	139.79			499.86	
12/08/06	269.50	383.96	134.00			499.86	
12/09/06	193.23	402.19	137.65			322.78	
12/10/06	263.46	379.12	138.71			499.86	
12/11/06	264.73	383.11	139.97			499.86	
12/12/06	256.55	362.65	122.80			499.86	
12/13/06	257.22	365.29	129.00			499.86	
12/14/06	259.28	364.77	126.85			499.86	

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
12/15/06	257.90	357.16	130.00	499.86			
12/16/06	251.99	333.35	115.54	499.86			
12/17/06	241.69	311.56	110.02	499.86			
12/18/06	254.77	341.08	117.58	499.86			
12/19/06	235.53	305.19	108.33	499.86			
12/20/06	231.40	297.08	106.92	499.86			
12/21/06	157.35	310.90	112.35	240.73			
12/22/06	236.51	302.72	112.60	499.84			
12/23/06	253.45	339.93	123.64	318.65			
12/24/06	191.94	347.12	122.49	484.91			
12/25/06	203.64	370.17	136.91	300.86			
12/26/06	257.11	359.39	125.72	213.70			
12/27/06	264.78	375.95	137.70	264.53			
12/28/06	250.14	336.11	123.86	265.16			
12/29/06	263.63	370.83	137.73	269.36			
12/30/06	253.81	351.17	129.28	265.08			
12/31/06	258.61	363.77	134.37	289.45			
01/01/07	188.73	362.06	128.23	151.73			
01/02/07	182.94	359.51	123.77	118.76			
01/03/07	253.59	356.37	124.61	227.00			
01/04/07	245.54	339.68	119.66	270.01			
01/05/07	243.25	355.94	117.53	336.75			
01/06/07	245.77	358.30	120.48	404.30			
01/07/07	246.15	364.40	117.24	369.12			
01/08/07	243.64	362.76	122.72	218.35			
01/09/07	230.33	363.63	119.53	219.77			
01/10/07	233.00	338.65	108.71	272.00			
01/11/07	242.48	358.15	119.78	360.48			
01/12/07	253.90	386.59	124.21	425.33			
01/13/07	235.82	339.19	114.82	352.86			
01/14/07	243.02	364.12	116.33	455.03			
01/15/07	132.56	364.99	111.72	418.53			
01/16/07	104.44	345.25	112.74	109.28			
01/17/07	067.68	380.62	116.72	074.54			
01/18/07	070.51	373.17	128.77	052.04			
01/19/07	149.15	369.62	116.87	173.96			
01/20/07	192.86	387.55	128.29	333.06			
01/21/07	242.76	377.43	125.71	129.85			
01/22/07	243.31	379.52	128.07	164.99			
01/23/07	039.95	381.21	120.31	074.74			
01/24/07	135.07	389.95	125.25	027.67			
01/25/07	149.08	417.28	112.91	153.33			
01/26/07	179.38	403.77	125.34	145.37			
01/27/07	262.54	414.49	110.74	212.17			
01/28/07	254.18	410.62	123.83	166.78			
01/29/07	236.64	400.20	115.49	142.30			
01/30/07	175.81	388.86	104.50	191.22			
01/31/07	243.45	385.18	113.10	158.56			
02/01/07	178.50	378.08	112.13	319.97			
02/02/07	200.27	257.90	080.94	295.48			
02/03/07	199.98	340.85	089.80	255.48			
02/04/07	223.82	388.10	128.08	184.86			
02/05/07	249.69	379.76	123.65	207.38			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
02/06/07	253.22	370.01	121.87	288.46			
02/07/07	216.47	223.86	074.56	385.48			
02/08/07	350.92	361.59	078.82	499.86			
02/09/07	296.82	295.59	157.80	499.86			
02/10/07	298.90	317.37	150.24	499.86			
02/11/07	296.91	325.04	114.41	499.86			
02/12/07	269.01	273.13	127.86	499.86			
02/13/07	294.63	315.77	125.56	499.86			
02/14/07	247.16	232.32	113.82	499.86			
02/15/07	016.92	263.00	114.42	182.48			
02/16/07	122.05	264.30	115.68	259.07			
02/17/07	180.64	255.28	133.36	333.12			
02/18/07	296.55	304.63	144.03	382.82			
02/19/07	299.00	302.98	157.41	213.60			
02/20/07	293.82	279.76	140.51	345.14			
02/21/07	283.49	255.95	132.76	499.86			
02/22/07	279.50	249.18	121.42	495.80			
02/23/07	283.47	252.77	126.79	468.39			
02/24/07	293.67	269.17	124.08	192.56			
02/25/07	280.34	253.39	134.52	000.00			
02/26/07	269.98	239.72	134.58	000.00			
02/27/07	271.03	242.84	137.89	000.00			
02/28/07	255.76	222.20	128.29	000.00			
03/01/07	260.84	231.04	123.60	012.25			
03/02/07	283.68	271.46	154.78	021.01			
03/03/07	264.20	243.55	130.93	046.06			
03/04/07	253.27	277.72	141.14	109.51			
03/05/07	233.89	229.31	169.73	049.34			
03/06/07	245.43	221.18	155.34	111.97			
03/07/07	266.24	249.79	145.25	001.90			
03/08/07	277.19	265.38	147.24	011.41			
03/09/07	275.66	267.65	149.65	048.76			
03/10/07	294.62	294.82	158.44	002.03			
03/11/07	276.38	271.57	149.34	010.34			
03/12/07	273.40	265.81	148.91	011.62			
03/13/07	278.39	275.61	153.17	031.54			
03/14/07	275.07	271.09	144.21	034.23			
03/15/07	262.91	249.70	151.26	164.04			
03/16/07	289.25	294.09	133.99	075.11			
03/17/07	283.98	290.75	147.17	187.59			
03/18/07	285.18	293.80	154.59	132.71			
03/19/07	277.62	287.41	147.56	019.49			
03/20/07	283.09	301.29	143.56	000.00			
03/21/07	278.74	293.27	149.09	000.00			
03/22/07	275.25	290.51	141.72	000.00			
03/23/07	271.56	299.95	149.99	000.00			
03/24/07	285.10	335.14	160.06	000.06			
03/25/07	288.97	339.82	133.70	000.04			
03/26/07	277.22	318.46	138.55	000.21			
03/27/07	290.36	335.37	160.72	003.49			
03/28/07	283.86	328.67	159.75	006.18			
03/29/07	282.56	321.90	166.55	000.01			
03/30/07	273.04	300.02	147.06	000.00			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1		WDW-2		WDW-3	
Date	Rate	Pres	Rate	Pres	Date
04/01/07	271.84	288.46	120.97	010.05	
04/02/07	260.49	266.37	095.03	027.78	
04/03/07	203.87	175.17	058.64	006.05	
04/04/07	201.30	171.55	049.34	070.51	
04/05/07	199.33	174.07	042.34	467.18	
04/06/07	288.21	313.50	154.39	499.86	
04/07/07	290.65	313.88	160.35	499.86	
04/08/07	188.75	297.39	148.83	499.86	
04/09/07	161.56	303.92	152.87	422.79	
04/10/07	279.55	296.15	152.50	499.86	
04/11/07	283.88	299.04	146.31	499.86	
04/12/07	290.53	310.22	146.09	499.86	
04/13/07	278.67	286.56	150.45	499.86	
04/14/07	273.98	279.11	147.96	499.86	
04/15/07	282.67	292.78	144.56	499.86	
04/16/07	265.10	262.17	138.89	499.85	
04/17/07	274.42	275.34	139.25	345.20	
04/18/07	282.17	291.69	125.67	266.86	
04/19/07	287.68	297.54	153.67	321.01	
04/20/07	261.83	259.44	128.27	274.28	
04/21/07	258.18	250.19	121.44	262.66	
04/22/07	249.80	250.63	135.45	294.63	
04/23/07	272.24	281.15	123.18	275.67	
04/24/07	255.54	254.04	104.61	234.37	
04/25/07	258.24	257.81	126.26	273.43	
04/26/07	253.78	249.58	123.08	261.93	
04/27/07	223.20	197.97	101.43	210.30	
04/28/07	214.19	183.08	097.30	201.65	
04/29/07	228.45	207.29	110.50	229.22	
04/30/07	292.33	325.84	135.91	301.19	
05/01/07	282.54	302.78	150.38	321.47	
05/02/07	285.39	521.69	149.28	538.99	
05/03/07	276.18	604.57	164.10	705.19	
05/04/07	239.78	499.77	156.90	679.50	
05/05/07	298.54	681.63	169.23	721.01	
05/06/07	283.07	637.76	153.14	670.21	
05/07/07	288.14	653.07	155.80	679.91	
05/08/07	268.95	596.83	138.13	621.78	
05/09/07	285.52	645.71	162.18	714.35	
05/10/07	280.38	633.49	144.66	650.60	
05/11/07	299.86	687.11	153.91	684.31	
05/12/07	296.78	687.20	153.22	675.48	
05/13/07	273.11	620.97	143.07	644.35	
05/14/07	273.80	616.87	140.43	635.70	
05/15/07	275.63	629.87	143.27	655.46	
05/16/07	279.87	646.66	128.56	602.34	
05/17/07	280.97	660.95	147.80	679.25	
05/18/07	285.29	675.51	154.07	696.67	
05/19/07	272.53	637.11	142.10	654.47	
05/20/07	278.69	650.65	141.29	652.63	
05/21/07	273.97	638.89	141.41	655.33	
05/22/07	271.35	629.95	135.38	642.18	
05/23/07	277.08	655.28	147.29	689.38	

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
05/24/07	272.06	637.50	143.17	673.13			
05/25/07	271.56	641.67	144.13	682.31			
05/26/07	272.01	646.96	146.03	693.50			
05/27/07	273.69	653.88	139.67	663.51			
05/28/07	271.87	643.32	143.42	678.61			
05/29/07	274.38	648.94	143.79	681.44			
05/30/07	275.03	645.60	153.85	720.18			
05/31/07	278.57	656.12	148.66	696.91			
06/01/07	273.74	640.95	142.89	676.15			
06/02/07	281.21	664.08	148.12	693.92			
06/03/07	293.47	704.21	162.60	746.23			
06/04/07	286.06	684.75	155.94	724.62			
06/05/07	270.94	640.80	142.20	673.70			
06/06/07	111.54	158.11	000.00	148.86			
06/07/07	127.00	216.02	032.91	275.66			
06/08/07	295.22	722.86	168.13	721.02			
06/09/07	291.54	721.80	176.86	744.45			
06/10/07	293.63	726.19	180.95	761.72			
06/11/07	286.50	711.34	175.68	745.10			
06/12/07	279.57	684.68	178.53	750.63			
06/13/07	296.56	738.33	156.01	690.86			
06/14/07	277.86	676.76	148.53	648.14			
06/15/07	242.95	558.59	157.01	683.56			
06/16/07	249.40	580.34	139.31	617.21			
06/17/07	245.27	567.38	124.55	572.82			
06/18/07	264.41	627.10	146.28	648.44			
06/19/07	259.64	612.65	136.70	620.93			
06/20/07	256.11	604.39	124.83	597.74			
06/21/07	257.58	617.51	144.01	649.99			
06/22/07	264.15	643.23	156.40	689.88			
06/23/07	244.28	580.46	131.30	610.39			
06/24/07	284.09	717.84	137.12	643.35			
06/25/07	284.23	723.29	147.55	676.07			
06/26/07	257.97	639.35	157.18	696.66			
06/27/07	271.58	688.83	158.22	696.33			
06/28/07	275.46	713.13	153.98	684.82			
06/29/07	276.98	724.00	129.84	617.61			
06/30/07	274.05	712.08	167.27	710.10			
07/01/07	274.62	717.95	163.72	698.40			
07/02/07	258.91	657.44	163.12	699.21			
07/03/07	260.68	665.49	162.23	694.03			
07/04/07	255.88	647.11	151.52	656.90			
07/05/07	264.36	676.82	166.52	706.76			
07/06/07	261.44	663.22	154.80	668.58			
07/07/07	247.77	612.01	152.43	665.07			
07/08/07	269.83	684.86	169.86	718.20			
07/09/07	257.68	643.49	150.32	655.85			
07/10/07	260.92	645.52	152.11	667.19			
07/11/07	264.01	667.38	166.00	723.45			
07/12/07	267.07	681.93	139.12	630.36			
07/13/07	263.38	663.34	150.71	677.54			
07/14/07	252.45	616.68	142.69	646.59			
07/15/07	264.20	658.52	153.59	684.88			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
07/16/07	256.60	627.28	143.43	646.80			
07/17/07	272.03	683.32	159.93	703.67			
07/18/07	255.13	584.39	138.96	588.94			
07/19/07	281.04	355.87	162.68	354.99			
07/20/07	267.71	330.30	153.42	344.86			
07/21/07	264.52	322.69	144.02	332.16			
07/22/07	272.71	342.75	150.87	356.39			
07/23/07	267.34	332.67	138.91	335.97			
07/24/07	275.47	345.25	127.62	313.40			
07/25/07	264.35	322.70	146.73	355.42			
07/26/07	272.85	336.71	147.18	351.95			
07/27/07	268.73	332.17	144.20	348.66			
07/28/07	265.54	320.49	141.25	343.21			
07/29/07	265.41	326.12	137.11	338.53			
07/30/07	254.41	307.17	128.48	322.50			
07/31/07	230.51	261.97	100.99	264.60			
08/01/07	265.10	329.52	111.05	303.65			
08/02/07	257.51	309.87	111.35	287.57			
08/03/07	222.26	241.79	098.34	256.31			
08/04/07	265.96	328.65	134.85	339.29			
08/05/07	266.30	327.75	118.18	300.78			
08/06/07	254.03	305.70	132.29	338.98			
08/07/07	270.03	335.90	131.20	337.74			
08/08/07	279.64	322.76	127.24	328.03			
08/09/07	261.30	321.77	131.92	339.90			
08/10/07	255.69	306.02	124.76	320.62			
08/11/07	274.70	348.20	146.14	372.60			
08/12/07	258.49	316.84	121.62	315.35			
08/13/07	268.18	333.67	138.15	352.93			
08/14/07	256.89	312.41	106.60	296.01			
08/15/07	251.84	302.93	119.52	315.17			
08/16/07	234.73	265.87	123.71	323.34			
08/17/07	245.82	289.91	113.51	297.06			
08/18/07	239.04	279.63	109.46	288.07			
08/19/07	237.18	273.87	109.09	287.19			
08/20/07	239.96	277.31	109.38	288.56			
08/21/07	246.32	291.87	092.25	266.58			
08/22/07	248.47	294.56	079.69	247.41			
08/23/07	242.40	287.68	108.02	303.73			
08/24/07	252.46	306.06	115.61	319.22			
08/25/07	245.63	296.29	111.92	310.69			
08/26/07	254.45	314.57	117.74	324.31			
08/27/07	253.16	313.37	119.31	326.50			
08/28/07	244.06	295.90	115.35	319.28			
08/29/07	251.44	302.76	125.76	337.82			
08/30/07	227.93	260.21	100.23	290.05			
08/31/07	247.34	299.81	113.13	313.58			
09/01/07	256.72	316.43	123.77	328.49			
09/02/07	261.70	326.95	131.63	341.54			
09/03/07	255.09	315.43	129.02	330.66			
09/04/07	249.80	305.29	124.19	318.51			
09/05/07	269.03	344.89	141.63	357.53			
09/06/07	258.65	321.42	135.13	341.90			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
09/07/07	257.23	322.25	135.31	340.53			
09/08/07	269.88	345.78	149.93	370.65			
09/09/07	254.62	318.21	135.17	338.77			
09/10/07	256.30	322.50	142.04	355.92			
09/11/07	252.19	317.34	131.32	332.31			
09/12/07	282.13	388.43	048.17	238.66			
09/13/07	285.45	387.19	066.64	246.29			
09/14/07	277.05	358.03	111.08	282.68			
09/15/07	109.01	072.98	019.04	071.66			
09/16/07	082.60	062.24	020.77	075.79			
09/17/07	270.69	351.97	128.67	330.66			
09/18/07	266.04	342.59	153.98	381.41			
09/19/07	274.02	362.66	156.31	384.44			
09/20/07	268.82	351.37	139.16	345.36			
09/21/07	274.13	363.54	140.80	358.02			
09/22/07	270.43	423.41	149.80	372.66			
09/23/07	272.83	493.34	154.10	382.75			
09/24/07	267.75	431.17	146.37	364.34			
09/25/07	258.18	396.94	138.98	347.13			
09/26/07	258.69	324.06	135.74	338.10			
09/27/07	267.64	338.45	143.89	355.03			
09/28/07	265.37	304.90	134.97	334.09			
09/29/07	271.64	289.12	132.92	327.67			
09/30/07	259.88	256.93	131.69	325.66			
10/01/07	282.86	289.12	143.95	353.59			
10/02/07	297.88	242.65	128.73	320.27			
10/03/07	282.73	163.13	086.79	226.28			
10/04/07	301.34	266.36	135.38	333.73			
10/05/07	304.36	289.81	131.07	326.91			
10/06/07	303.10	285.49	132.06	325.15			
10/07/07	292.99	270.37	136.04	336.44			
10/08/07	301.91	306.99	127.43	320.84			
10/09/07	291.79	296.94	130.25	329.32			
10/10/07	300.97	296.87	135.29	341.58			
10/11/07	295.16	296.03	132.93	334.20			
10/12/07	291.39	283.36	124.61	320.11			
10/13/07	196.75	068.47	032.53	108.89			
10/14/07	161.68	001.36	000.00	029.99			
10/15/07	288.57	288.46	142.83	367.34			
10/16/07	284.52	297.65	155.85	399.30			
10/17/07	285.12	300.67	149.32	381.91			
10/18/07	287.26	302.41	159.52	405.81			
10/19/07	280.31	287.32	153.03	390.41			
10/20/07	286.71	296.65	155.89	394.36			
10/21/07	291.36	305.32	147.09	370.46			
10/22/07	287.09	314.15	155.28	397.80			
10/23/07	272.99	292.14	143.08	374.37			
10/24/07	285.12	316.17	152.25	392.01			
10/25/07	281.14	308.45	149.04	374.62			
10/26/07	277.98	304.41	149.90	385.89			
10/27/07	281.16	277.49	148.11	380.04			
10/28/07	274.41	291.04	142.64	369.81			
10/29/07	276.90	305.38	142.49	370.85			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1		WDW-2		WDW-3	
Date	Rate	Pres	Rate	Pres	Date
10/30/07	280.28	309.67	142.62	372.67	
10/31/07	276.22	295.91	144.00	370.03	
11/01/07	278.66	300.59	141.37	371.35	
11/02/07	271.98	285.68	142.03	371.98	
11/03/07	273.30	279.87	136.26	357.48	
11/04/07	278.18	303.15	139.21	367.49	
11/04/07	266.88	281.20	137.01	365.66	
11/05/07	188.02	114.00	039.48	167.16	
11/06/07	170.43	086.91	036.09	120.77	
11/07/07	270.43	297.79	151.20	380.31	
11/08/07	277.47	303.84	156.27	388.14	
11/09/07	279.92	318.35	146.15	366.99	
11/10/07	270.21	294.73	166.43	401.43	
11/11/07	269.82	286.05	136.20	324.12	
11/12/07	274.94	305.81	159.81	368.08	
11/13/07	270.24	303.05	163.62	377.41	
11/14/07	263.36	287.21	157.11	364.91	
11/15/07	258.50	285.24	154.71	358.25	
11/16/07	256.52	272.78	151.09	348.81	
11/17/07	261.37	274.65	150.68	346.33	
11/18/07	259.03	278.22	148.63	342.22	
11/19/07	259.32	288.96	151.35	350.95	
11/20/07	252.44	270.06	135.68	315.78	
11/21/07	242.62	264.45	130.45	306.60	
11/22/07	212.31	316.66	144.77	340.31	
11/23/07	063.71	322.01	140.97	333.50	
11/24/07	155.65	324.61	139.61	329.25	
11/25/07	201.17	381.87	171.82	390.68	
11/26/07	181.09	385.81	176.11	399.84	
11/27/07	257.57	382.99	173.83	395.80	
11/28/07	237.20	331.14	156.19	360.27	
11/29/07	257.87	375.30	175.27	397.49	
12/01/07	257.77	443.82	178.03	400.90	
12/02/07	263.54	467.88	175.25	394.46	
12/03/07	260.79	397.92	179.59	402.28	
12/04/07	257.82	409.43	177.42	399.94	
12/05/07	256.40	418.26	181.08	406.99	
12/06/07	256.65	416.11	180.38	406.50	
12/07/07	253.44	386.25	169.02	382.17	
12/08/07	261.73	389.84	152.89	366.54	
12/09/07	259.47	386.72	172.92	390.83	
12/10/07	252.84	396.01	182.93	414.51	
12/11/07	246.73	377.39	172.84	392.81	
12/12/07	244.65	376.83	172.23	388.18	
12/13/07	252.30	400.42	183.59	411.56	
12/14/07	255.98	397.10	179.53	402.34	
12/15/07	255.32	395.23	181.71	408.53	
12/16/07	252.33	389.25	180.68	408.95	
12/17/07	194.58	374.81	168.88	408.84	
12/18/07	236.34	391.93	178.87	421.71	
12/19/07	250.33	369.86	168.11	400.31	
12/20/07	254.18	385.52	176.44	419.70	
12/21/07	247.12	370.24	167.68	404.49	

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
12/22/07	253.54	387.13	177.72	423.43			
12/23/07	245.90	381.10	169.49	410.58			
12/24/07	172.03	390.45	176.56	434.17			
12/25/07	190.04	368.15	162.36	396.50			
12/26/07	247.12	395.37	175.84	424.29			
12/27/07	246.28	399.43	178.61	432.49			
12/28/07	198.47	401.05	181.96	440.90			
12/29/07	145.84	396.00	187.49	442.83			
12/30/07	166.79	399.24	175.22	435.32			
12/31/07	184.65	398.10	172.83	430.78			
01/01/08	000.00	000.00	000.00	000.00			
01/02/08	000.00	000.00	000.00	000.00			
01/03/08	000.00	000.00	000.00	000.00			
01/04/08	000.00	000.00	000.00	000.00			
01/05/08	000.00	000.00	000.00	000.00			
01/06/08	000.00	000.00	000.00	000.00			
01/07/08	000.00	000.00	000.00	000.00			
01/08/08	000.00	000.00	000.00	000.00			
01/09/08	000.00	000.00	000.00	000.00			
01/10/08	000.00	000.00	000.00	000.00			
01/11/08	000.00	000.00	000.00	000.00			
01/12/08	000.00	000.00	000.00	000.00			
01/13/08	000.00	000.00	000.00	000.00			
01/14/08	000.00	000.00	000.00	000.00			
01/15/08	000.00	000.00	000.00	000.00			
01/16/08	000.00	000.00	000.00	000.00			
01/17/08	000.00	000.00	000.00	000.00			
01/18/08	000.00	000.00	000.00	000.00			
01/19/08	000.00	000.00	000.00	000.00			
01/20/08	000.00	000.00	000.00	000.00			
01/21/08	000.00	000.00	000.00	000.00			
01/22/08	000.00	000.00	000.00	000.00			
01/23/08	000.00	000.00	000.00	000.00			
01/24/08	000.00	000.00	000.00	000.00			
01/25/08	000.00	000.00	000.00	000.00			
01/26/08	000.00	000.00	000.00	000.00			
01/27/08	000.00	000.00	000.00	000.00			
01/28/08	000.00	000.00	000.00	000.00			
01/29/08	000.00	000.00	000.00	000.00			
01/30/08	000.00	000.00	000.00	000.00			
01/31/08	000.00	000.00	000.00	000.00			
02/01/08	000.00	000.00	000.00	000.00			
02/02/08	000.00	000.00	000.00	000.00			
02/03/08	000.00	000.00	000.00	000.00			
02/04/08	000.00	000.00	000.00	000.00			
02/05/08	000.00	000.00	000.00	000.00			
02/06/08	000.00	000.00	000.00	000.00			
02/07/08	000.00	000.00	000.00	000.00			
02/08/08	000.00	000.00	000.00	000.00			
02/09/08	000.00	000.00	000.00	000.00			
02/10/08	000.00	000.00	000.00	000.00			
02/11/08	000.00	000.00	000.00	000.00			
02/12/08	000.00	000.00	000.00	000.00			

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

	WDW-1		WDW-2			WDW-3	
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
02/13/08	000.00	000.00	000.00	000.00			
02/14/08	000.00	000.00	000.00	000.00			
02/15/08	000.00	000.00	000.00	000.00			
02/16/08	000.00	000.00	000.00	000.00			
02/17/08	000.00	000.00	000.00	000.00			
02/18/08	000.00	000.00	000.00	000.00			
02/19/08	000.00	000.00	000.00	000.00			
02/20/08	000.00	000.00	000.00	000.00			
02/21/08	000.00	000.00	000.00	000.00			
02/22/08	000.00	000.00	000.00	000.00			
02/23/08	000.00	000.00	000.00	000.00			
02/24/08	000.00	000.00	000.00	000.00			
02/25/08	000.00	000.00	000.00	000.00			
02/26/08	000.00	000.00	000.00	000.00			
02/27/08	000.00	000.00	000.00	000.00			
02/28/08	000.00	000.00	000.00	000.00			
02/29/08	000.00	000.00	000.00	000.00			
03/01/08	387.36	900.00	403.00	900.00	03/01/08	234.84	474.53
03/02/08	387.36	900.00	403.00	900.00	03/02/08	222.24	456.35
03/03/08	387.36	900.00	403.00	900.00	03/03/08	217.86	451.64
03/04/08	387.36	900.00	403.00	900.00	03/04/08	247.86	539.51
03/05/08	387.36	900.00	403.00	900.00	03/05/08	000.00	963.15
03/06/08	387.36	900.00	403.00	900.00	03/06/08	000.00	923.70
03/07/08	387.36	900.00	403.00	900.00	03/07/08	000.00	617.52
03/08/08	387.36	900.00	403.00	900.00	03/08/08	000.00	-00.25
03/09/08	387.36	900.00	403.00	900.00	03/09/08	000.00	-00.25
03/10/08	387.36	900.00	403.00	900.00	03/10/08	207.23	437.11
03/11/08	387.36	900.00	403.00	900.00	03/11/08	243.49	518.87
03/12/08	387.36	900.00	403.00	900.00	03/12/08	243.46	517.82
03/13/08	387.36	900.00	403.00	900.00	03/13/08	253.93	550.06
03/14/08	387.36	900.00	403.00	900.00	03/14/08	242.72	524.60
03/15/08	387.36	900.00	403.00	900.00	03/15/08	249.02	540.51
03/16/08	387.36	900.00	403.00	900.00	03/16/08	239.09	520.02
03/17/08	387.36	900.00	403.00	900.00	03/17/08	214.73	487.14
03/18/08	387.36	900.00	403.00	900.00	03/18/08	234.25	524.16
03/19/08	387.36	900.00	403.00	900.00	03/19/08	233.53	519.07
03/20/08	387.36	900.00	403.00	900.00	03/20/08	238.37	528.92
03/21/08	387.36	900.00	403.00	900.00	03/21/08	220.59	502.07
03/22/08	387.36	900.00	403.00	900.00	03/22/08	223.71	521.65
03/23/08	387.36	900.00	403.00	900.00	03/23/08	206.37	494.71
03/24/08	387.36	900.00	403.00	900.00	03/24/08	210.57	505.25
03/25/08	387.36	900.00	403.00	900.00	03/25/08	214.73	513.23
03/26/08	387.36	900.00	403.00	900.00	03/26/08	218.62	522.07
03/27/08	387.36	900.00	403.00	900.00	03/27/08	219.06	521.16
03/28/08	387.36	900.00	403.00	900.00	03/28/08	224.73	556.69
03/29/08	387.36	900.00	403.00	900.00	03/29/08	230.70	567.91
03/30/08	387.36	900.00	403.00	900.00	03/30/08	228.17	576.81
03/31/08	387.36	900.00	403.00	900.00	03/31/08	265.80	655.15
04/01/08	387.36	900.00	403.00	900.00	04/01/08	274.81	664.59
04/02/08	387.36	900.00	403.00	900.00	04/02/08	233.28	583.11
04/03/08	387.36	900.00	403.00	900.00	04/03/08	232.77	588.41
04/04/08	387.36	900.00	403.00	900.00	04/04/08	236.15	584.76
04/05/08	387.36	900.00	403.00	900.00	04/05/08	227.10	561.65

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2			WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres	
04/06/08	387.36	900.00	403.00	900.00	04/06/08	219.39	557.37	
04/07/08	387.36	900.00	403.00	900.00	04/07/08	222.21	569.98	
04/08/08	387.36	900.00	403.00	900.00	04/08/08	216.18	559.99	
04/09/08	387.36	900.00	403.00	900.00	04/09/08	206.88	551.09	
04/10/08	387.36	900.00	403.00	900.00	04/10/08	212.74	587.18	
04/11/08	387.36	900.00	403.00	900.00	04/11/08	188.94	525.84	
04/12/08	387.36	900.00	403.00	900.00	04/12/08	186.90	523.31	
04/13/08	387.36	900.00	403.00	900.00	04/13/08	189.58	527.80	
04/14/08	387.36	900.00	403.00	900.00	04/14/08	186.29	514.22	
04/15/08	387.36	900.00	403.00	900.00	04/15/08	188.28	521.77	
04/16/08	387.36	900.00	403.00	900.00	04/16/08	168.74	501.83	
04/17/08	387.36	900.00	403.00	900.00	04/17/08	142.21	477.47	
04/18/08	387.36	900.00	403.00	900.00	04/18/08	134.07	457.47	
04/19/08	387.36	900.00	403.00	900.00	04/19/08	120.74	422.19	
04/20/08	387.36	900.00	403.00	900.00	04/20/08	119.57	425.81	
04/21/08	387.36	900.00	403.00	900.00	04/21/08	096.61	404.17	
04/22/08	387.36	900.00	403.00	900.00	04/22/08	105.09	434.05	
04/23/08	387.36	900.00	403.00	900.00	04/23/08	105.15	437.94	
04/24/08	387.36	900.00	403.00	900.00	04/24/08	101.80	439.32	
04/25/08	387.36	900.00	403.00	900.00	04/25/08	099.19	438.39	
04/26/08	387.36	900.00	403.00	900.00	04/26/08	097.45	440.96	
04/27/08	387.36	900.00	403.00	900.00	04/27/08	093.86	442.06	
04/28/08	387.36	900.00	403.00	900.00	04/28/08	088.71	443.01	
04/29/08	387.36	900.00	403.00	900.00	04/29/08	094.19	444.61	
04/30/08	387.36	900.00	403.00	900.00	04/30/08	094.53	444.74	
05/01/08	387.36	900.00	403.00	900.00	05/01/08	137.72	551.80	
05/02/08	387.36	900.00	403.00	900.00	05/02/08	171.72	621.77	
05/03/08	387.36	900.00	403.00	900.00	05/03/08	150.47	551.13	
05/04/08	387.36	900.00	403.00	900.00	05/04/08	166.71	591.50	
05/05/08	387.36	900.00	403.00	900.00	05/05/08	168.48	588.22	
05/06/08	387.36	900.00	403.00	900.00	05/06/08	164.38	569.63	
05/07/08	387.36	900.00	403.00	900.00	05/07/08	155.77	543.75	
05/08/08	387.36	900.00	403.00	900.00	05/08/08	175.83	583.84	
05/09/08	387.36	900.00	403.00	900.00	05/09/08	183.81	571.93	
05/10/08	387.36	900.00	403.00	900.00	05/10/08	174.36	535.60	
05/11/08	387.36	900.00	403.00	900.00	05/11/08	177.54	562.95	
05/12/08	387.36	900.00	403.00	900.00	05/12/08	155.53	508.32	
05/13/08	387.36	900.00	403.00	900.00	05/13/08	170.48	541.86	
05/14/08	387.36	900.00	403.00	900.00	05/14/08	173.33	545.59	
05/15/08	387.36	900.00	403.00	900.00	05/15/08	162.32	518.41	
05/16/08	387.36	900.00	403.00	900.00	05/16/08	167.82	532.09	
05/17/08	387.36	900.00	403.00	900.00	05/17/08	138.34	477.91	
05/18/08	387.36	900.00	403.00	900.00	05/18/08	162.39	537.82	
05/19/08	387.36	900.00	403.00	900.00	05/19/08	138.87	464.83	
05/20/08	387.36	900.00	403.00	900.00	05/20/08	128.20	436.78	
05/21/08	387.36	900.00	403.00	900.00	05/21/08	156.46	513.30	
05/22/08	387.36	900.00	403.00	900.00	05/22/08	126.11	415.97	
05/23/08	387.36	900.00	403.00	900.00	05/23/08	155.47	485.80	
05/24/08	387.36	900.00	403.00	900.00	05/24/08	190.60	567.16	
05/25/08	387.36	900.00	403.00	900.00	05/25/08	170.22	501.02	
05/26/08	387.36	900.00	403.00	900.00	05/26/08	174.53	514.30	
05/27/08	387.36	900.00	403.00	900.00	05/27/08	153.93	458.44	
05/28/08	387.36	900.00	403.00	900.00	05/28/08	172.96	516.52	

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
05/29/08	387.36	900.00	403.00	900.00	05/29/08	157.67	470.49
05/30/08	387.36	900.00	403.00	900.00	05/30/08	162.98	487.18
05/31/08	387.36	900.00	403.00	900.00	05/31/08	157.63	482.24
06/01/08	387.36	900.00	403.00	900.00	06/01/08	163.22	503.48
06/02/08	387.36	900.00	403.00	900.00	06/02/08	163.87	522.37
06/03/08	387.36	900.00	403.00	900.00	06/03/08	175.12	562.02
06/04/08	387.36	900.00	403.00	900.00	06/04/08	178.16	583.21
06/05/08	387.36	900.00	403.00	900.00	06/05/08	185.85	615.26
06/06/08	387.36	900.00	403.00	900.00	06/06/08	190.67	638.14
06/07/08	387.36	900.00	403.00	900.00	06/07/08	191.39	640.12
06/08/08	387.36	900.00	403.00	900.00	06/08/08	191.46	641.68
06/09/08	387.36	900.00	403.00	900.00	06/09/08	191.40	642.08
06/10/08	387.36	900.00	403.00	900.00	06/10/08	192.87	630.58
06/11/08	387.36	900.00	403.00	900.00	06/11/08	191.21	618.20
06/12/08	387.36	900.00	403.00	900.00	06/12/08	193.23	626.26
06/13/08	387.36	900.00	403.00	900.00	06/13/08	191.60	603.51
06/14/08	387.36	900.00	403.00	900.00	06/14/08	190.97	587.48
06/15/08	387.36	900.00	403.00	900.00	06/15/08	178.52	549.31
06/16/08	387.36	900.00	403.00	900.00	06/16/08	175.07	542.84
06/17/08	387.36	900.00	403.00	900.00	06/17/08	181.45	564.11
06/18/08	387.36	900.00	403.00	900.00	06/18/08	190.80	585.52
06/19/08	387.36	900.00	403.00	900.00	06/19/08	191.64	581.62
06/20/08	387.36	900.00	403.00	900.00	06/20/08	191.21	592.87
06/21/08	387.36	900.00	403.00	900.00	06/21/08	193.10	598.58
06/22/08	387.36	900.00	403.00	900.00	06/22/08	172.24	528.93
06/23/08	387.36	900.00	403.00	900.00	06/23/08	177.64	547.04
06/24/08	387.36	900.00	403.00	900.00	06/24/08	154.49	483.87
06/25/08	387.36	900.00	403.00	900.00	06/25/08	149.30	476.99
06/26/08	387.36	900.00	403.00	900.00	06/26/08	165.10	523.40
06/27/08	387.36	900.00	403.00	900.00	06/27/08	184.48	582.00
06/28/08	387.36	900.00	403.00	900.00	06/28/08	190.63	603.39
06/29/08	387.36	900.00	403.00	900.00	06/29/08	188.21	604.16
06/30/08	387.36	900.00	403.00	900.00	06/30/08	193.49	600.79
07/01/08	387.36	900.00	403.00	900.00	07/01/08	195.85	616.04
07/02/08	387.36	900.00	403.00	900.00	07/02/08	197.33	617.94
07/03/08	387.36	900.00	403.00	900.00	07/03/08	196.35	622.85
07/04/08	387.36	900.00	403.00	900.00	07/04/08	197.18	620.78
07/05/08	387.36	900.00	403.00	900.00	07/05/08	193.06	619.51
07/06/08	387.36	900.00	403.00	900.00	07/06/08	195.85	618.42
07/07/08	387.36	900.00	403.00	900.00	07/07/08	189.20	602.41
07/08/08	387.36	900.00	403.00	900.00	07/08/08	174.28	557.94
07/09/08	387.36	900.00	403.00	900.00	07/09/08	177.19	555.44
07/10/08	387.36	900.00	403.00	900.00	07/10/08	197.83	620.43
07/11/08	387.36	900.00	403.00	900.00	07/11/08	196.31	617.70
07/12/08	387.36	900.00	403.00	900.00	07/12/08	199.22	621.26
07/13/08	387.36	900.00	403.00	900.00	07/13/08	196.93	619.60
07/14/08	387.36	900.00	403.00	900.00	07/14/08	195.69	617.34
07/15/08	387.36	900.00	403.00	900.00	07/15/08	192.96	609.10
07/16/08	387.36	900.00	403.00	900.00	07/16/08	186.27	580.92
07/17/08	387.36	900.00	403.00	900.00	07/17/08	168.04	522.77
07/18/08	387.36	900.00	403.00	900.00	07/18/08	173.96	542.80
07/19/08	387.36	900.00	403.00	900.00	07/19/08	174.62	546.85
07/20/08	387.36	900.00	403.00	900.00	07/20/08	161.58	506.02

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
07/21/08	387.36	900.00	403.00	900.00	07/21/08	154.71	489.81
07/22/08	387.36	900.00	403.00	900.00	07/22/08	153.42	490.66
07/23/08	387.36	900.00	403.00	900.00	07/23/08	170.78	545.81
07/24/08	387.36	900.00	403.00	900.00	07/24/08	156.90	508.50
07/25/08	387.36	900.00	403.00	900.00	07/25/08	163.32	536.57
07/26/08	387.36	900.00	403.00	900.00	07/26/08	173.36	568.01
07/27/08	387.36	900.00	403.00	900.00	07/27/08	186.16	605.63
07/28/08	387.36	900.00	403.00	900.00	07/28/08	190.93	605.84
07/29/08	387.36	900.00	403.00	900.00	07/29/08	192.22	601.83
07/30/08	387.36	900.00	403.00	900.00	07/30/08	194.33	611.02
07/31/08	387.36	900.00	403.00	900.00	07/31/08	192.91	603.78
08/01/08	387.36	900.00	403.00	900.00	08/01/08	190.27	601.44
08/02/08	387.36	900.00	403.00	900.00	08/02/08	197.77	626.68
08/03/08	387.36	900.00	403.00	900.00	08/03/08	195.86	623.31
08/04/08	387.36	900.00	403.00	900.00	08/04/08	194.97	610.46
08/05/08	387.36	900.00	403.00	900.00	08/05/08	192.91	600.97
08/06/08	387.36	900.00	403.00	900.00	08/06/08	188.47	596.50
08/07/08	387.36	900.00	403.00	900.00	08/07/08	193.73	609.30
08/08/08	387.36	900.00	403.00	900.00	08/08/08	191.54	596.26
08/09/08	387.36	900.00	403.00	900.00	08/09/08	196.95	613.82
08/10/08	387.36	900.00	403.00	900.00	08/10/08	189.52	604.11
08/11/08	387.36	900.00	403.00	900.00	08/11/08	190.06	609.04
08/12/08	387.36	900.00	403.00	900.00	08/12/08	199.08	636.22
08/13/08	387.36	900.00	403.00	900.00	08/13/08	197.82	630.79
08/14/08	387.36	900.00	403.00	900.00	08/14/08	208.02	664.70
08/15/08	387.36	900.00	403.00	900.00	08/15/08	213.38	674.51
08/16/08	387.36	900.00	403.00	900.00	08/16/08	212.87	675.54
08/17/08	387.36	900.00	403.00	900.00	08/17/08	208.88	668.74
08/18/08	387.36	900.00	403.00	900.00	08/18/08	211.92	676.86
08/19/08	387.36	900.00	403.00	900.00	08/19/08	209.19	665.37
08/20/08	387.36	900.00	403.00	900.00	08/20/08	218.50	686.97
08/21/08	387.36	900.00	403.00	900.00	08/21/08	221.04	682.85
08/22/08	387.36	900.00	403.00	900.00	08/22/08	222.72	683.78
08/23/08	387.36	900.00	403.00	900.00	08/23/08	218.88	676.51
08/24/08	387.36	900.00	403.00	900.00	08/24/08	216.42	675.93
08/25/08	387.36	900.00	403.00	900.00	08/25/08	213.83	672.70
08/26/08	387.36	900.00	403.00	900.00	08/26/08	205.19	642.78
08/27/08	387.36	900.00	403.00	900.00	08/27/08	211.45	663.04
08/28/08	387.36	900.00	403.00	900.00	08/28/08	218.52	678.19
08/29/08	387.36	900.00	403.00	900.00	08/29/08	200.02	654.82
08/30/08	387.36	900.00	403.00	900.00	08/30/08	213.31	688.09
08/31/08	387.36	900.00	403.00	900.00	08/31/08	212.16	687.97
09/01/08	387.36	900.00	403.00	900.00	09/01/08	210.66	691.01
09/02/08	387.36	900.00	403.00	900.00	09/02/08	212.67	691.39
09/03/08	387.36	900.00	403.00	900.00	09/03/08	215.06	685.65
09/04/08	387.36	900.00	403.00	900.00	09/04/08	216.43	691.88
09/05/08	387.36	900.00	403.00	900.00	09/05/08	215.41	682.56
09/06/08	387.36	900.00	403.00	900.00	09/06/08	218.15	690.45
09/07/08	387.36	900.00	403.00	900.00	09/07/08	216.96	696.14
09/08/08	387.36	900.00	403.00	900.00	09/08/08	209.87	673.23
09/09/08	387.36	900.00	403.00	900.00	09/09/08	211.47	689.42
09/10/08	387.36	900.00	403.00	900.00	09/10/08	207.61	676.03
09/11/08	387.36	900.00	403.00	900.00	09/11/08	211.20	690.40

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
09/12/08	387.36	900.00	403.00	900.00	09/12/08	207.06	680.22
09/13/08	387.36	900.00	403.00	900.00	09/13/08	210.71	695.46
09/14/08	387.36	900.00	403.00	900.00	09/14/08	211.69	691.14
09/15/08	387.36	900.00	403.00	900.00	09/15/08	206.04	691.48
09/16/08	387.36	900.00	403.00	900.00	09/16/08	202.49	672.49
09/17/08	387.36	900.00	403.00	900.00	09/17/08	204.92	671.83
09/18/08	312.66	879.23	326.00	887.59	09/18/08	211.64	695.50
09/19/08	190.10	672.34	204.53	704.83	09/19/08	212.08	697.96
09/20/08	187.55	667.53	203.89	706.75	09/20/08	212.33	705.54
09/21/08	184.48	661.74	203.63	714.81	09/21/08	211.27	705.94
09/22/08	189.52	662.67	203.16	712.20	09/22/08	209.25	696.60
09/23/08	181.54	687.65	207.80	715.94	09/23/08	202.34	676.26
09/24/08	188.92	669.28	197.69	683.67	09/24/08	201.48	669.35
09/25/08	139.37	607.60	169.06	686.91	09/25/08	205.76	671.60
09/26/08	122.14	641.18	130.39	680.98	09/26/08	208.74	670.62
09/27/08	126.92	648.82	129.25	676.97	09/27/08	204.69	664.17
09/28/08	124.33	632.00	131.54	687.02	09/28/08	202.16	656.12
09/29/08	112.11	591.71	132.25	698.03	09/29/08	209.45	678.67
09/30/08	076.00	440.28	097.16	508.50	09/30/08	142.78	491.96
10/01/08	114.50	574.55	121.88	643.17	10/01/08	189.29	626.08
10/02/08	135.70	682.57	132.35	684.54	10/02/08	201.80	670.10
10/03/08	136.54	688.22	133.15	691.44	10/03/08	198.64	671.26
10/04/08	136.52	689.75	134.40	693.48	10/04/08	199.69	674.67
10/05/08	133.65	691.41	132.96	696.49	10/05/08	197.71	677.19
10/06/08	131.22	682.90	130.71	688.07	10/06/08	204.32	689.43
10/07/08	130.85	685.51	130.58	690.65	10/07/08	206.42	688.17
10/08/08	131.67	688.61	130.76	692.33	10/08/08	205.70	687.25
10/09/08	131.75	690.39	130.39	691.39	10/09/08	205.09	687.71
10/10/08	132.16	691.20	130.49	691.45	10/10/08	205.46	689.21
10/11/08	130.77	692.65	129.36	692.43	10/11/08	206.30	691.00
10/12/08	128.99	687.79	129.24	697.12	10/12/08	212.90	685.25
10/13/08	127.99	687.72	124.82	674.27	10/13/08	210.56	685.60
10/14/08	122.89	682.33	130.61	709.15	10/14/08	209.27	680.39
10/15/08	123.80	685.24	129.71	708.29	10/15/08	206.27	681.43
10/16/08	123.31	686.65	129.36	706.09	10/16/08	205.57	683.31
10/17/08	123.43	683.15	127.90	698.20	10/17/08	208.59	700.28
10/18/08	122.23	683.62	124.75	683.73	10/18/08	207.80	704.04
10/19/08	121.82	688.18	122.74	677.49	10/19/08	208.12	704.77
10/20/08	119.53	672.40	120.20	664.16	10/20/08	211.93	701.03
10/21/08	116.87	670.39	127.21	693.86	10/21/08	209.77	691.70
10/22/08	107.86	637.64	124.95	678.78	10/22/08	203.70	672.32
10/23/08	108.48	641.70	122.26	662.51	10/23/08	203.98	674.21
10/24/08	113.12	635.99	124.39	661.08	10/24/08	200.89	659.36
10/25/08	104.74	601.41	119.15	638.67	10/25/08	189.93	623.35
10/26/08	107.84	618.58	118.50	631.86	10/26/08	186.03	613.01
10/27/08	096.43	575.64	111.37	602.22	10/27/08	181.70	603.59
10/28/08	103.04	598.65	119.25	641.01	10/28/08	195.78	644.12
10/29/08	115.00	648.51	125.58	669.60	10/29/08	201.88	676.45
10/30/08	120.30	689.40	122.57	666.42	10/30/08	215.37	714.36
10/31/08	124.79	704.45	087.50	525.94	10/31/08	227.43	750.00
11/01/08	116.88	654.14	129.09	713.61	11/01/08	213.04	702.81
11/02/08	119.88	685.11	126.64	698.68	11/02/08	211.48	699.19
11/03/08	118.04	672.31	126.56	695.23	11/03/08	213.17	706.29

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

	WDW-1		WDW-2			WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres	
11/04/08	116.51	670.11	109.15	625.92	11/04/08	219.17	726.89	
11/05/08	118.23	671.42	109.95	622.42	11/05/08	215.12	710.08	
11/06/08	119.58	695.16	104.71	602.05	11/06/08	209.01	693.19	
11/07/08	112.98	651.41	123.67	676.70	11/07/08	214.25	691.83	
11/08/08	116.38	663.62	125.99	686.37	11/08/08	197.71	650.81	
11/09/08	113.75	651.88	125.70	685.43	11/09/08	204.19	666.95	
11/10/08	111.13	624.32	123.93	664.32	11/10/08	204.92	665.28	
11/11/08	114.78	658.39	123.80	674.36	11/11/08	206.15	676.80	
11/12/08	112.95	651.81	122.70	677.74	11/12/08	207.21	682.92	
11/13/08	111.37	638.49	125.09	687.53	11/13/08	204.26	670.48	
11/14/08	111.64	649.03	123.63	682.11	11/14/08	204.79	674.85	
11/15/08	115.19	679.31	125.74	703.60	11/15/08	208.67	698.11	
11/16/08	114.86	665.52	125.68	700.19	11/16/08	206.75	699.36	
11/17/08	117.13	670.28	126.56	706.37	11/17/08	206.14	692.37	
11/18/08	114.93	661.09	125.95	700.17	11/18/08	210.12	703.75	
11/19/08	117.53	666.77	127.12	703.38	11/19/08	205.81	694.20	
11/20/08	111.66	652.81	126.19	704.88	11/20/08	208.92	701.21	
11/21/08	113.35	655.59	127.78	705.43	11/21/08	193.20	679.57	
11/22/08	116.71	674.23	127.83	704.91	11/22/08	198.15	696.45	
11/23/08	118.26	667.11	127.77	710.52	11/23/08	193.91	693.82	
11/24/08	119.60	686.22	123.82	710.54	11/24/08	192.23	693.57	
11/25/08	118.59	680.02	125.96	727.08	11/25/08	196.56	700.43	
11/26/08	120.97	684.68	125.25	720.94	11/26/08	198.47	699.69	
11/27/08	119.23	682.28	124.57	720.90	11/27/08	197.81	698.90	
11/28/08	117.34	670.92	123.80	717.91	11/28/08	194.72	701.99	
11/29/08	120.60	694.06	124.99	725.66	11/29/08	189.62	695.24	
11/30/08	119.91	674.87	125.91	721.94	11/30/08	188.05	692.63	
12/01/08	120.10	688.58	123.88	722.41	12/01/08	195.89	712.40	
12/02/08	120.45	672.50	126.29	723.56	12/02/08	196.57	715.55	
12/03/08	117.73	685.89	126.02	738.18	12/03/08	194.31	728.56	
12/04/08	114.21	684.45	123.82	736.48	12/04/08	193.21	728.48	
12/05/08	115.02	688.28	122.78	764.27	12/05/08	192.80	728.45	
12/06/08	118.22	694.63	123.60	736.88	12/06/08	188.99	721.64	
12/07/08	119.87	690.65	121.71	727.06	12/07/08	172.53	680.80	
12/08/08	120.00	675.64	116.98	695.04	12/08/08	180.38	701.67	
12/09/08	111.95	655.19	110.03	665.00	12/09/08	171.89	677.43	
12/10/08	110.82	652.47	109.03	791.13	12/10/08	177.81	700.38	
12/11/08	119.33	685.41	113.34	682.43	12/11/08	183.08	708.19	
12/12/08	118.20	675.64	117.46	709.08	12/12/08	180.85	701.15	
12/13/08	119.81	688.91	115.83	701.47	12/13/08	183.43	708.27	
12/14/08	120.40	682.95	112.63	678.01	12/14/08	188.95	716.66	
12/15/08	117.83	687.51	112.73	699.65	12/15/08	183.56	713.08	
12/16/08	218.36	707.61	110.43	803.78	12/16/08	190.36	729.56	
12/17/08	123.67	705.07	117.35	720.21	12/17/08	194.92	732.46	
12/18/08	123.57	696.69	118.13	723.36	12/18/08	192.01	722.51	
12/19/08	121.81	707.22	113.64	712.05	12/19/08	199.55	742.68	
12/20/08	121.77	697.10	113.55	702.89	12/20/08	196.37	732.23	
12/21/08	118.44	708.79	112.23	717.28	12/21/08	196.50	739.14	
12/22/08	253.98	754.98	111.44	824.84	12/22/08	197.21	752.04	
12/23/08	118.22	691.29	116.01	723.78	12/23/08	201.13	746.72	
12/24/08	121.57	711.22	117.00	732.20	12/24/08	198.10	740.74	
12/25/08	124.08	713.03	117.33	723.30	12/25/08	195.33	729.00	
12/26/08	126.23	716.47	117.39	720.00	12/26/08	177.95	683.05	

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2			WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres	
12/27/08	121.27	715.32	119.41	749.70	12/27/08	187.03	720.52	
12/28/08	117.74	691.13	120.33	750.12	12/28/08	189.26	719.43	
12/29/08	119.82	698.99	121.57	747.66	12/29/08	194.08	731.09	
12/30/08	121.21	685.61	120.97	729.48	12/30/08	194.08	713.71	
12/31/08	123.23	691.30	119.85	721.60	12/31/08	198.66	710.36	
01/01/09	124.34	679.71	191.45	686.92	01/01/09	191.45	686.92	
01/02/09	120.60	658.22	194.89	701.11	01/02/09	194.89	701.11	
01/03/09	126.04	674.33	192.34	686.89	01/03/09	192.34	686.89	
01/04/09	124.89	666.88	184.17	673.65	01/04/09	184.17	673.65	
01/05/09	124.11	690.66	196.44	712.76	01/05/09	196.44	712.76	
01/06/09	127.49	695.87	206.70	731.51	01/06/09	206.70	731.51	
01/07/09	128.10	694.80	203.38	729.35	01/07/09	203.38	729.35	
01/08/09	129.02	699.49	204.30	730.31	01/08/09	204.30	730.31	
01/09/09	125.80	682.99	198.12	726.64	01/09/09	198.12	726.64	
01/10/09	125.23	695.40	198.65	730.63	01/10/09	198.65	730.63	
01/11/09	122.76	691.30	200.84	737.44	01/11/09	200.84	737.44	
01/12/09	122.12	692.82	199.05	723.59	01/12/09	199.05	723.59	
01/13/09	123.49	706.75	195.89	730.18	01/13/09	195.89	730.18	
01/14/09	121.96	694.39	196.74	731.74	01/14/09	196.74	731.74	
01/15/09	120.61	697.49	196.67	732.34	01/15/09	196.67	732.34	
01/16/09	121.40	702.64	197.41	725.19	01/16/09	197.41	725.19	
01/17/09	118.87	688.63	200.42	733.18	01/17/09	200.42	733.18	
01/18/09	121.74	696.50	195.07	715.74	01/18/09	195.07	715.74	
01/19/09	121.76	701.24	193.63	713.20	01/19/09	193.63	713.20	
01/20/09	121.98	688.98	202.38	718.06	01/20/09	202.38	718.06	
01/21/09	124.09	679.03	204.88	719.52	01/21/09	204.88	719.52	
01/22/09	122.82	679.73	207.40	723.71	01/22/09	207.40	723.71	
01/23/09	126.51	705.60	207.09	733.84	01/23/09	207.09	733.84	
01/24/09	126.51	706.43	203.48	728.56	01/24/09	203.48	728.56	
01/25/09	125.67	703.88	199.96	725.86	01/25/09	199.96	725.86	
01/26/09	121.93	697.35	207.27	749.60	01/26/09	207.27	749.60	
01/27/09	121.81	705.74	200.07	738.32	01/27/09	200.07	738.32	
01/28/09	108.74	704.46	195.93	724.61	01/28/09	195.93	724.61	
01/29/09	120.68	698.98	198.03	720.52	01/29/09	198.03	720.52	
01/30/09	120.50	693.19	199.45	718.33	01/30/09	199.45	718.33	
01/31/09	119.41	688.45	204.35	716.84	01/31/09	204.35	716.84	
02/01/09	116.18	672.15	203.44	697.82	02/01/09	203.44	697.82	
02/02/09	088.65	543.03	167.98	579.19	02/02/09	167.98	579.19	
02/03/09	069.04	458.07	128.67	476.96	02/03/09	128.67	476.96	
02/04/09	059.54	407.63	100.91	421.16	02/04/09	100.91	421.16	
02/05/09	063.61	438.22	114.19	464.48	02/05/09	114.19	464.48	
02/06/09	062.92	438.99	108.70	445.76	02/06/09	108.70	445.76	
02/07/09	064.30	449.58	115.87	468.04	02/07/09	115.87	468.04	
02/08/09	063.44	460.16	113.54	475.30	02/08/09	113.54	475.30	
02/09/09	059.75	457.46	115.59	487.09	02/09/09	115.59	487.09	
02/10/09	053.23	455.17	106.12	469.57	02/10/09	106.12	469.57	
02/11/09	110.23	676.70	207.18	716.52	02/11/09	207.18	716.52	
02/12/09	102.38	641.47	196.93	667.80	02/12/09	196.93	667.80	
02/13/09	099.94	609.97	178.02	624.53	02/13/09	178.02	624.53	
02/14/09	074.74	478.62	137.49	522.98	02/14/09	137.49	522.98	
02/15/09	061.38	412.85	105.19	446.69	02/15/09	105.19	446.69	
02/16/09	057.80	414.39	106.69	442.36	02/16/09	106.69	442.36	
02/17/09	064.89	441.09	111.92	460.96	02/17/09	111.92	460.96	

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
02/18/09	071.11	483.56	126.26	504.53	02/18/09	126.26	504.53
02/19/09	104.07	657.08	186.72	676.43	02/19/09	186.72	676.43
02/20/09	091.78	581.93	160.03	595.51	02/20/09	160.03	595.51
02/21/09	102.12	645.01	190.83	679.64	02/21/09	190.83	679.64
02/22/09	100.60	629.53	181.28	641.86	02/22/09	181.28	641.86
02/23/09	109.78	652.03	200.41	701.49	02/23/09	200.41	701.49
02/24/09	112.04	652.59	197.16	688.00	02/24/09	197.16	688.00
02/25/09	115.09	671.50	197.50	693.38	02/25/09	197.50	693.38
02/26/09	110.07	630.78	185.08	656.14	02/26/09	185.08	656.14
02/27/09	104.44	603.90	174.06	630.96	02/27/09	174.06	630.96
02/28/09	098.51	585.44	161.47	612.92	02/28/09	161.47	612.92
03/01/09	114.12	671.42	188.91	694.23	03/01/09	188.91	694.23
03/02/09	111.67	645.99	186.04	685.34	03/02/09	186.04	685.34
03/03/09	109.36	627.33	175.03	667.13	03/03/09	175.03	667.13
03/04/09	109.97	628.26	172.08	654.33	03/04/09	172.08	654.33
03/05/09	111.02	638.29	178.58	667.41	03/05/09	178.58	667.41
03/06/09	115.04	645.00	179.22	668.40	03/06/09	179.22	668.40
03/07/09	103.37	584.20	154.72	602.17	03/07/09	154.72	602.17
03/08/09	103.26	615.60	166.08	631.91	03/08/09	166.08	631.91
03/09/09	110.22	659.06	179.89	673.22	03/09/09	179.89	673.22
03/10/09	107.37	640.14	176.58	659.77	03/10/09	176.58	659.77
03/11/09	117.59	695.81	183.82	704.56	03/11/09	183.82	704.56
03/12/09	116.50	676.95	183.37	701.82	03/12/09	183.37	701.82
03/13/09	119.58	698.68	192.15	712.69	03/13/09	192.15	712.69
03/14/09	122.52	687.50	191.99	712.08	03/14/09	191.99	712.08
03/15/09	132.36	694.42	196.19	722.93	03/15/09	196.19	722.93
03/16/09	125.29	699.97	198.87	723.21	03/16/09	198.87	723.21
03/17/09	118.25	703.58	201.49	729.61	03/17/09	201.49	729.61
03/18/09	118.67	704.09	202.80	727.37	03/18/09	202.80	727.37
03/19/09	117.45	706.50	207.72	736.49	03/19/09	207.72	736.49
03/20/09	117.88	711.50	202.30	718.08	03/20/09	202.30	718.08
03/21/09	117.48	710.20	207.60	727.21	03/21/09	207.60	727.21
03/22/09	117.87	722.27	198.11	704.54	03/22/09	198.11	704.54
03/23/09	116.03	701.52	209.23	744.50	03/23/09	209.23	744.50
03/24/09	119.06	724.72	195.80	704.72	03/24/09	195.80	704.72
03/25/09	117.07	704.90	206.74	735.42	03/25/09	206.74	735.42
03/26/09	119.12	704.59	205.27	730.91	03/26/09	205.27	730.91
03/27/09	114.22	726.96	208.31	738.60	03/27/09	208.31	738.60
03/28/09	139.06	704.83	207.01	746.32	03/28/09	207.01	746.32
03/29/09	127.97	717.82	203.10	726.08	03/29/09	203.10	726.08
03/30/09	116.10	704.74	204.93	740.87	03/30/09	204.93	740.87
03/31/09	125.60	713.16	199.13	732.67	03/31/09	199.13	732.67
04/01/09	116.07	708.52	201.16	746.01	04/01/09	201.16	746.01
04/02/09	120.68	726.16	198.97	757.56	04/02/09	198.97	757.56
04/03/09	117.23	730.80	195.66	753.25	04/03/09	195.66	753.25
04/04/09	114.56	712.63	191.36	743.08	04/04/09	191.36	743.08
04/05/09	127.78	737.05	191.58	758.60	04/05/09	191.58	758.60
04/06/09	133.58	723.50	187.79	746.17	04/06/09	187.79	746.17
04/07/09	143.80	732.16	189.72	758.33	04/07/09	189.72	758.33
04/08/09	112.54	712.56	188.14	750.53	04/08/09	188.14	750.53
04/09/09	114.29	728.54	191.95	754.90	04/09/09	191.95	754.90
04/10/09	110.30	717.40	193.98	767.12	04/10/09	193.98	767.12
04/11/09	112.93	735.34	196.35	769.26	04/11/09	196.35	769.26

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
04/12/09	112.62	732.84	190.30	756.04	04/12/09	190.30	756.04
04/13/09	113.18	732.75	191.36	759.89	04/13/09	191.36	759.89
04/14/09	113.98	734.13	196.81	759.56	04/14/09	196.81	759.56
04/15/09	116.05	729.66	195.73	750.45	04/15/09	195.73	750.45
04/16/09	111.85	715.60	184.00	718.13	04/16/09	184.00	718.13
04/17/09	112.92	709.99	182.42	702.30	04/17/09	182.42	702.30
04/18/09	113.25	713.19	196.80	746.65	04/18/09	196.80	746.65
04/19/09	113.75	725.51	198.84	747.93	04/19/09	198.84	747.93
04/20/09	113.22	716.52	202.94	754.53	04/20/09	202.94	754.53
04/21/09	110.57	700.88	195.94	723.58	04/21/09	195.94	723.58
04/22/09	109.52	669.12	177.98	655.25	04/22/09	177.98	655.25
04/23/09	110.55	688.09	189.60	713.45	04/23/09	189.60	713.45
04/24/09	109.98	690.62	186.07	704.32	04/24/09	186.07	704.32
04/25/09	109.20	692.28	190.62	727.09	04/25/09	190.62	727.09
04/26/09	109.16	714.76	181.65	704.70	04/26/09	181.65	704.70
04/27/09	107.51	711.92	189.47	724.99	04/27/09	189.47	724.99
04/28/09	107.80	705.74	191.59	735.08	04/28/09	191.59	735.08
04/29/09	109.31	711.95	189.67	732.28	04/29/09	189.67	732.28
04/30/09	111.64	715.31	194.32	748.36	04/30/09	194.32	748.36
05/01/09	111.13	723.84	196.53	763.07	05/01/09	196.53	763.07
05/02/09	109.41	718.65	198.61	753.28	05/02/09	198.61	753.28
05/03/09	108.91	720.48	195.84	748.41	05/03/09	195.84	748.41
05/04/09	109.08	734.13	195.29	735.64	05/04/09	195.29	735.64
05/05/09	111.07	739.70	201.25	765.62	05/05/09	201.25	765.62
05/06/09	110.39	735.54	199.78	770.77	05/06/09	199.78	770.77
05/07/09	112.08	749.27	198.90	766.42	05/07/09	198.90	766.42
05/08/09	110.92	741.56	200.17	785.66	05/08/09	200.17	785.66
05/09/09	108.23	755.80	197.22	782.59	05/09/09	197.22	782.59
05/10/09	106.94	739.68	196.44	783.35	05/10/09	196.44	783.35
05/11/09	107.19	750.72	193.35	767.86	05/11/09	193.35	767.86
05/12/09	107.92	732.40	195.61	765.49	05/12/09	195.61	765.49
05/13/09	111.77	738.84	195.18	745.91	05/13/09	195.18	745.91
05/14/09	110.10	730.64	202.52	760.63	05/14/09	202.52	760.63
05/15/09	111.09	736.00	201.44	752.56	05/15/09	201.44	752.56
05/16/09	107.68	727.54	199.49	754.30	05/16/09	199.49	754.30
05/17/09	107.45	711.42	204.55	765.77	05/17/09	204.55	765.77
05/18/09	107.89	740.14	197.89	759.96	05/18/09	197.89	759.96
05/19/09	107.25	741.88	197.94	766.21	05/19/09	197.94	766.21
05/20/09	106.14	734.73	198.26	779.33	05/20/09	198.26	779.33
05/21/09	103.55	728.61	193.61	782.23	05/21/09	193.61	782.23
05/22/09	104.20	699.00	186.37	773.20	05/22/09	186.37	773.20
05/23/09	109.30	612.01	183.02	765.32	05/23/09	183.02	765.32
05/24/09	109.30	454.61	186.04	775.27	05/24/09	186.04	775.27
05/25/09	109.30	298.28	189.04	785.16	05/25/09	189.04	785.16
05/26/09	109.30	139.83	192.08	795.18	05/26/09	192.08	795.18
05/27/09	108.49	012.14	188.30	775.50	05/27/09	188.30	775.50
05/28/09	104.74	000.52	189.36	788.75	05/28/09	189.36	788.75
05/29/09	107.48	-00.05	190.42	778.35	05/29/09	190.42	778.35
05/30/09	105.32	000.03	191.99	779.71	05/30/09	191.99	779.71
05/31/09	106.05	000.08	191.67	768.42	05/31/09	191.67	768.42
06/01/09	109.86	000.18	194.27	776.42	06/01/09	194.27	776.42
06/02/09	094.27	000.04	202.92	806.78	06/02/09	202.92	806.78
06/03/09	197.98	-00.03	168.99	660.13	06/03/09	168.99	660.13

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

	WDW-1			WDW-2				WDW-3		
Date	Rate	Pres		Rate	Pres		Date	Rate	Pres	
06/04/09	199.68	-00.25		106.98	625.00		06/04/09	106.98	625.00	
06/05/09	169.64	000.02		195.09	471.83		06/05/09	195.09	471.83	
06/06/09	186.84	-00.25		150.64	380.32		06/06/09	150.64	380.32	
06/07/09	140.40	-00.25		183.88	421.65		06/07/09	183.88	421.65	
06/08/09	134.02	-00.25		178.30	409.33		06/08/09	178.30	409.33	
06/09/09	133.01	-00.25		176.08	403.13		06/09/09	176.08	403.13	
06/10/09	150.37	-00.25		192.14	449.98		06/10/09	192.14	449.98	
06/11/09	161.69	-00.25		202.33	472.90		06/11/09	202.33	472.90	
06/12/09	158.36	-00.25		202.83	477.61		06/12/09	202.83	477.61	
06/13/09	163.71	-00.25		196.33	465.09		06/13/09	196.33	465.09	
06/14/09	160.94	-00.25		201.21	490.31		06/14/09	201.21	490.31	
06/15/09	159.11	-00.25		200.13	490.52		06/15/09	200.13	490.52	
06/16/09	160.21	-00.11		196.38	485.58		06/16/09	196.38	485.58	
06/17/09	162.21	-00.25		201.25	502.57		06/17/09	201.25	502.57	
06/18/09	167.14	-00.25		193.78	476.84		06/18/09	193.78	476.84	
06/19/09	162.67	-00.25		206.02	510.51		06/19/09	206.02	510.51	
06/20/09	163.01	001.87		210.91	522.18		06/20/09	210.91	522.18	
06/21/09	167.24	-00.24		206.42	509.87		06/21/09	206.42	509.87	
06/22/09	165.74	021.07		203.88	503.36		06/22/09	203.88	503.36	
06/23/09	162.70	019.39		207.20	523.95		06/23/09	207.20	523.95	
06/24/09	160.27	058.25		207.11	513.05		06/24/09	207.11	513.05	
06/25/09	163.33	116.21		202.61	503.57		06/25/09	202.61	503.57	
06/26/09	164.54	146.58		203.27	505.69		06/26/09	203.27	505.69	
06/27/09	159.55	-00.19		204.98	513.03		06/27/09	204.98	513.03	
06/28/09	148.60	000.48		195.10	493.77		06/28/09	195.10	493.77	
06/29/09	156.07	-00.25		197.45	507.51		06/29/09	197.45	507.51	
06/30/09	162.08	007.81		201.08	518.97		06/30/09	201.08	518.97	
07/01/09	161.35	-00.24		195.55	514.82		07/01/09	195.55	514.82	
07/02/09	160.91	-00.23		192.92	511.42		07/02/09	192.92	511.42	
07/03/09	157.51	-00.25		197.92	526.16		07/03/09	197.92	526.16	
07/04/09	154.33	-00.25		197.03	531.31		07/04/09	197.03	531.31	
07/05/09	153.75	032.79		199.43	527.90		07/05/09	199.43	527.90	
07/06/09	157.22	-00.25		199.95	528.57		07/06/09	199.95	528.57	
07/07/09	160.74	-00.25		196.86	523.91		07/07/09	196.86	523.91	
07/08/09	168.24	-00.25		190.03	490.75		07/08/09	190.03	490.75	
07/09/09	163.66	106.16		197.78	518.91		07/09/09	197.78	518.91	
07/10/09	165.40	-00.25		192.60	498.77		07/10/09	192.60	498.77	
07/11/09	160.72	260.77		199.06	526.95		07/11/09	199.06	526.95	
07/12/09	160.34	005.40		195.09	517.60		07/12/09	195.09	517.60	
07/13/09	150.85	000.30		179.88	467.55		07/13/09	179.88	467.55	
07/14/09	157.88	-00.25		193.18	506.58		07/14/09	193.18	506.58	
07/15/09	151.79	-00.25		199.41	494.00		07/15/09	199.41	494.00	
07/16/09	146.00	-00.25		206.15	481.43		07/16/09	206.15	481.43	
07/17/09	155.25	078.63		175.84	429.36		07/17/09	175.84	429.36	
07/18/09	147.04	002.26		205.49	474.75		07/18/09	205.49	474.75	
07/19/09	144.99	-00.25		206.43	468.37		07/19/09	206.43	468.37	
07/20/09	141.21	-00.25		204.34	460.00		07/20/09	204.34	460.00	
07/21/09	141.40	-00.25		206.32	465.94		07/21/09	206.32	465.94	
07/22/09	130.28	-00.25		198.73	456.22		07/22/09	198.73	456.22	
07/23/09	145.88	-00.25		208.96	482.74		07/23/09	208.96	482.74	
07/24/09	147.93	-00.25		204.78	480.78		07/24/09	204.78	480.78	
07/25/09	151.12	-00.25		207.32	485.28		07/25/09	207.32	485.28	
07/26/09	152.10	003.01		210.24	488.91		07/26/09	210.24	488.91	

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
07/27/09	157.37	001.55	219.01	519.99	07/27/09	219.01	519.99
07/28/09	156.83	000.00	209.93	501.22	07/28/09	209.93	501.22
07/29/09	155.09	-00.24	215.13	513.58	07/29/09	215.13	513.58
07/30/09	155.74	-00.25	213.06	521.28	07/30/09	213.06	521.28
07/31/09	153.42	-00.07	209.09	514.31	07/31/09	209.09	514.31
08/01/09	149.63	-00.25	202.33	499.81	08/01/09	202.33	499.81
08/02/09	147.97	001.28	200.39	496.73	08/02/09	200.39	496.73
08/03/09	148.24	-00.18	208.62	517.12	08/03/09	208.62	517.12
08/04/09	139.99	-00.25	193.44	471.00	08/04/09	193.44	471.00
08/05/09	125.77	172.69	196.49	486.38	08/05/09	196.49	486.38
08/06/09	134.84	432.01	194.75	484.30	08/06/09	194.75	484.30
08/07/09	131.95	425.95	189.46	471.63	08/07/09	189.46	471.63
08/08/09	134.81	433.82	191.40	473.89	08/08/09	191.40	473.89
08/09/09	138.55	442.32	194.13	479.21	08/09/09	194.13	479.21
08/10/09	139.70	448.17	201.34	498.55	08/10/09	201.34	498.55
08/11/09	142.87	460.86	206.15	509.63	08/11/09	206.15	509.63
08/12/09	137.34	444.87	196.62	483.51	08/12/09	196.62	483.51
08/13/09	141.81	459.29	199.67	493.71	08/13/09	199.67	493.71
08/14/09	143.43	467.87	204.48	508.15	08/14/09	204.48	508.15
08/15/09	144.07	472.46	199.00	499.77	08/15/09	199.00	499.77
08/16/09	145.01	475.61	197.93	493.87	08/16/09	197.93	493.87
08/17/09	141.75	467.98	201.40	506.22	08/17/09	201.40	506.22
08/18/09	149.10	495.41	205.09	515.66	08/18/09	205.09	515.66
08/19/09	144.92	476.21	205.71	502.31	08/19/09	205.71	502.31
08/20/09	142.07	466.29	206.04	501.16	08/20/09	206.04	501.16
08/21/09	140.13	463.84	205.39	508.74	08/21/09	205.39	508.74
08/22/09	136.34	461.66	189.71	478.30	08/22/09	189.71	478.30
08/23/09	121.88	423.49	178.88	453.51	08/23/09	178.88	453.51
08/24/09	051.49	267.35	240.89	637.95	08/24/09	240.89	637.95
08/25/09	000.11	149.15	309.54	828.71	08/25/09	309.54	828.71
08/26/09	000.26	147.54	310.70	832.28	08/26/09	310.70	832.28
08/27/09	000.18	146.91	306.21	825.09	08/27/09	306.21	825.09
08/28/09	000.23	145.18	000.00	166.04	08/28/09	000.00	166.04
08/29/09	000.09	141.98	000.00	162.04	08/29/09	000.00	162.04
08/30/09	000.26	654.47	264.94	640.01	08/30/09	264.94	640.01
08/31/09	049.94	624.36	248.34	594.54	08/31/09	248.34	594.54
09/01/09	124.32	492.24	222.53	514.75	09/01/09	222.53	514.75
09/02/09	140.52	485.32	216.34	504.56	09/02/09	216.34	504.56
09/03/09	141.71	486.51	210.88	496.80	09/03/09	210.88	496.80
09/04/09	135.26	472.14	206.59	493.52	09/04/09	206.59	493.52
09/05/09	146.73	495.80	182.64	440.27	09/05/09	182.64	440.27
09/06/09	146.47	496.44	180.08	426.60	09/06/09	180.08	426.60
09/07/09	141.08	486.22	196.41	473.41	09/07/09	196.41	473.41
09/08/09	145.23	491.27	197.98	470.72	09/08/09	197.98	470.72
09/09/09	136.58	480.40	212.67	502.90	09/09/09	212.67	502.90
09/10/09	138.19	481.73	208.81	493.67	09/10/09	208.81	493.67
09/11/09	131.51	465.18	217.39	516.77	09/11/09	217.39	516.77
09/12/09	132.07	474.89	218.27	518.73	09/12/09	218.27	518.73
09/13/09	133.66	484.93	207.39	497.49	09/13/09	207.39	497.49
09/14/09	127.14	474.87	217.98	530.26	09/14/09	217.98	530.26
09/15/09	125.07	477.54	211.00	508.37	09/15/09	211.00	508.37
09/16/09	123.20	469.30	206.44	501.10	09/16/09	206.44	501.10
09/17/09	118.71	463.17	211.98	514.57	09/17/09	211.98	514.57

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
09/18/09	122.17	463.78	202.93	491.99	09/18/09	202.93	491.99
09/19/09	123.15	477.20	202.03	494.87	09/19/09	202.03	494.87
09/20/09	125.71	486.81	210.97	515.68	09/20/09	210.97	515.68
09/21/09	124.17	476.32	214.96	531.50	09/21/09	214.96	531.50
09/22/09	127.96	490.62	217.57	529.05	09/22/09	217.57	529.05
09/23/09	129.00	494.01	198.83	503.01	09/23/09	198.83	503.01
09/24/09	127.74	490.11	209.48	516.58	09/24/09	209.48	516.58
09/25/09	128.26	490.90	213.62	520.92	09/25/09	213.62	520.92
09/26/09	128.14	490.31	213.14	519.64	09/26/09	213.14	519.64
09/27/09	125.94	480.54	207.61	504.79	09/27/09	207.61	504.79
09/28/09	041.82	265.07	066.51	286.36	09/28/09	066.51	286.36
09/29/09	000.14	155.63	000.00	177.14	09/29/09	000.00	177.14
09/30/09	000.28	153.59	000.00	176.51	09/30/09	000.00	176.51
10/01/09	000.05	152.31	000.00	256.05	10/01/09	000.00	256.05
10/02/09	000.10	151.88	000.00	095.57	10/02/09	000.00	095.57
10/03/09	000.10	149.24	000.00	007.58	10/03/09	000.00	007.58
10/04/09	124.10	460.04	215.49	492.48	10/04/09	215.49	492.48
10/05/09	133.54	498.44	226.31	524.91	10/05/09	226.31	524.91
10/06/09	129.80	487.01	225.52	520.40	10/06/09	225.52	520.40
10/07/09	130.70	490.49	221.09	511.06	10/07/09	221.09	511.06
10/08/09	132.16	491.60	223.17	511.52	10/08/09	223.17	511.52
10/09/09	132.51	492.70	213.27	495.36	10/09/09	213.27	495.36
10/10/09	129.46	488.23	219.28	504.12	10/10/09	219.28	504.12
10/11/09	130.44	488.67	212.68	494.39	10/11/09	212.68	494.39
10/12/09	130.48	487.04	220.36	503.81	10/12/09	220.36	503.81
10/13/09	129.33	479.80	219.42	506.46	10/13/09	219.42	506.46
10/14/09	128.75	484.61	220.17	507.81	10/14/09	220.17	507.81
10/15/09	128.35	482.90	218.55	506.07	10/15/09	218.55	506.07
10/16/09	127.25	492.26	218.50	515.87	10/16/09	218.50	515.87
10/17/09	133.55	519.06	202.37	498.95	10/17/09	202.37	498.95
10/18/09	126.08	494.09	216.25	527.31	10/18/09	216.25	527.31
10/19/09	120.12	490.37	216.35	532.62	10/19/09	216.35	532.62
10/20/09	118.72	490.28	213.79	538.52	10/20/09	213.79	538.52
10/21/09	119.65	494.63	210.87	529.44	10/21/09	210.87	529.44
10/22/09	122.39	506.21	205.89	534.27	10/22/09	205.89	534.27
10/23/09	199.58	775.37	060.20	285.44	10/23/09	060.20	285.44
10/24/09	242.52	899.03	000.00	181.47	10/24/09	000.00	181.47
10/25/09	243.79	900.12	000.00	180.94	10/25/09	000.00	180.94
10/26/09	160.56	648.95	000.00	120.12	10/26/09	000.00	120.12
10/27/09	126.56	547.45	000.01	173.92	10/27/09	000.00	218.87
10/28/09	000.03	157.04	000.00	176.49	10/28/09	000.00	211.79
10/29/09	000.13	155.62	000.01	175.72	10/29/09	000.00	206.63
10/30/09	035.89	238.39	032.39	276.91	10/30/09	050.37	224.83
10/31/09	132.31	475.97	109.24	510.30	10/31/09	190.41	461.66
11/01/09	140.72	500.77	117.18	538.53	11/01/09	205.37	551.41
11/01/09	132.85	477.59	117.72	539.48	11/01/09	211.42	529.82
11/02/09	130.43	485.28	114.43	536.76	11/02/09	197.88	464.39
11/03/09	132.20	494.36	114.42	539.10	11/03/09	204.54	401.72
11/04/09	132.12	496.05	101.41	491.94	11/04/09	207.25	334.13
11/05/09	121.55	472.17	104.29	505.05	11/05/09	220.09	320.44
11/06/09	133.08	504.51	092.98	475.72	11/06/09	213.35	294.11
11/07/09	133.40	499.46	101.59	498.55	11/07/09	218.71	323.65
11/08/09	128.23	490.67	103.22	501.46	11/08/09	201.34	330.62

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
11/09/09	123.98	477.21	106.46	509.92	11/09/09	210.76	369.66
11/10/09	133.30	507.45	098.55	485.84	11/10/09	202.19	359.85
11/11/09	118.70	468.95	101.69	499.17	11/11/09	194.65	308.37
11/12/09	128.28	500.85	106.01	515.35	11/12/09	195.71	268.09
11/13/09	124.05	486.52	109.83	528.45	11/13/09	209.18	273.82
11/14/09	125.14	495.98	100.55	499.21	11/14/09	186.07	274.62
11/15/09	122.32	493.09	079.54	436.06	11/15/09	189.88	294.28
11/16/09	116.76	475.83	082.04	446.37	11/16/09	172.10	252.15
11/17/09	122.72	491.20	081.03	457.52	11/17/09	182.04	248.17
11/18/09	114.15	461.05	073.73	443.35	11/18/09	223.93	260.45
11/19/09	110.08	444.99	119.12	583.64	11/19/09	243.53	274.48
11/20/09	115.81	475.77	111.04	550.32	11/20/09	212.69	281.28
11/21/09	129.34	518.25	099.90	504.19	11/21/09	202.05	269.10
11/22/09	124.21	503.42	097.55	498.89	11/22/09	213.96	296.24
11/23/09	134.12	539.56	077.82	446.95	11/23/09	223.81	340.82
11/24/09	135.95	543.94	093.78	488.69	11/24/09	213.40	320.02
11/25/09	127.97	520.75	126.46	495.43	11/25/09	201.39	270.70
11/26/09	133.51	533.52	157.21	551.48	11/26/09	208.39	265.36
11/27/09	125.98	513.20	161.11	568.86	11/27/09	211.72	270.56
11/28/09	128.52	523.83	161.24	569.52	11/28/09	209.87	296.03
11/29/09	130.43	536.63	157.18	552.24	11/29/09	199.02	323.35
11/30/09	131.69	541.18	158.94	566.02	11/30/09	203.91	287.14
12/01/09	124.07	526.43	155.90	571.55	12/01/09	210.16	249.64
12/02/09	266.90	538.78	265.20	611.00	12/02/09	206.69	248.92
12/03/09	065.27	607.52	350.57	872.94	12/03/09	211.87	245.75
12/04/09	369.83	519.27	241.48	790.84	12/04/09	205.02	242.57
12/05/09	147.83	243.50	144.08	501.55	12/05/09	218.72	257.13
12/06/09	148.64	543.56	155.19	541.86	12/06/09	214.25	278.54
12/07/09	148.85	553.83	153.74	538.55	12/07/09	212.49	334.64
12/08/09	151.60	562.90	147.75	504.49	12/08/09	208.17	313.19
12/09/09	149.41	559.44	160.53	577.83	12/09/09	206.95	281.83
12/10/09	143.04	539.44	154.85	550.36	12/10/09	194.19	277.95
12/11/09	148.79	569.62	156.11	562.22	12/11/09	212.64	287.20
12/12/09	147.75	566.88	157.26	603.67	12/12/09	211.68	384.76
12/13/09	146.49	564.21	157.51	584.22	12/13/09	212.20	432.36
12/14/09	144.68	557.23	159.45	597.58	12/14/09	211.91	421.51
12/15/09	145.76	563.96	157.15	579.24	12/15/09	211.93	497.36
12/16/09	145.86	562.04	159.19	593.45	12/16/09	209.25	499.23
12/17/09	158.06	610.25	155.24	574.11	12/17/09	183.30	441.01
12/18/09	149.88	561.38	157.53	578.78	12/18/09	212.25	418.23
12/19/09	146.97	552.75	156.28	580.15	12/19/09	208.31	399.25
12/20/09	153.29	583.78	152.95	569.56	12/20/09	204.16	391.55
12/21/09	154.60	587.14	150.90	557.35	12/21/09	210.98	356.83
12/22/09	149.93	571.41	153.71	577.47	12/22/09	211.48	377.74
12/23/09	148.08	568.30	153.11	580.03	12/23/09	211.99	370.92
12/24/09	144.08	552.49	153.62	586.07	12/24/09	199.68	240.73
12/25/09	134.00	581.26	153.40	593.17	12/25/09	211.82	208.40
12/26/09	147.21	593.42	150.78	585.81	12/26/09	204.79	221.48
12/27/09	143.19	579.13	152.63	612.78	12/27/09	201.83	233.98
12/28/09	142.56	583.43	151.32	608.99	12/28/09	204.83	237.32
12/29/09	143.06	582.78	152.58	613.34	12/29/09	205.02	219.06
12/30/09	143.17	583.14	151.34	606.88	12/30/09	204.91	246.86
12/31/09	142.47	580.88	149.99	603.60	12/31/09	208.07	241.68

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
01/01/10	145.23	595.56	151.13	617.84	01/01/10	204.22	224.98
01/02/10	143.94	591.30	150.44	618.17	01/02/10	201.96	265.95
01/03/10	142.52	585.24	150.42	621.79	01/03/10	201.80	281.25
01/04/10	141.06	581.49	147.79	601.50	01/04/10	196.61	261.44
01/05/10	146.31	600.39	147.32	599.68	01/05/10	204.48	241.45
01/06/10	144.42	584.62	145.76	583.26	01/06/10	196.25	243.86
01/07/10	145.11	593.55	148.29	608.56	01/07/10	200.92	225.18
01/08/10	191.70	578.58	151.28	624.96	01/08/10	198.18	229.63
01/09/10	332.01	686.62	149.91	614.48	01/09/10	200.13	233.67
01/10/10	131.37	571.53	147.31	591.79	01/10/10	189.54	256.11
01/11/10	142.26	600.69	148.91	607.52	01/11/10	198.25	272.05
01/12/10	143.08	597.63	150.30	618.56	01/12/10	197.82	258.13
01/13/10	140.62	587.53	149.22	610.03	01/13/10	195.82	251.01
01/14/10	139.62	578.76	148.61	595.23	01/14/10	194.23	271.26
01/15/10	140.46	585.03	151.69	613.95	01/15/10	200.14	322.25
01/16/10	145.22	612.49	149.82	601.32	01/16/10	194.13	330.55
01/17/10	137.79	572.97	153.32	624.95	01/17/10	201.82	366.89
01/18/10	142.06	592.75	151.61	607.51	01/18/10	201.45	300.03
01/19/10	144.54	602.49	153.23	619.75	01/19/10	197.99	252.11
01/20/10	141.11	587.52	149.45	589.21	01/20/10	182.76	257.03
01/21/10	144.08	605.24	151.36	607.72	01/21/10	200.05	246.39
01/22/10	141.63	593.69	151.37	607.66	01/22/10	190.78	264.16
01/23/10	140.17	595.92	151.34	610.68	01/23/10	196.95	277.83
01/24/10	142.03	607.97	149.94	605.87	01/24/10	201.72	236.02
01/25/10	138.66	590.19	152.20	623.23	01/25/10	202.56	251.05
01/26/10	141.21	605.01	148.44	598.50	01/26/10	204.66	241.34
01/27/10	141.61	606.66	148.37	598.90	01/27/10	205.49	247.04
01/28/10	142.29	615.31	147.76	600.42	01/28/10	206.70	247.09
01/29/10	130.13	604.85	144.38	578.66	01/29/10	199.62	235.40
01/30/10	138.82	603.79	141.98	557.03	01/30/10	204.83	261.45
01/31/10	138.25	603.51	147.89	603.28	01/31/10	202.82	271.11
02/01/10	140.32	608.04	146.61	584.94	02/01/10	201.59	327.25
02/02/10	139.22	596.68	145.44	576.56	02/02/10	194.64	348.65
02/03/10	142.04	617.64	139.22	530.74	02/03/10	208.58	294.26
02/04/10	143.45	621.43	145.55	574.80	02/04/10	201.04	261.87
02/05/10	143.64	620.16	147.38	581.47	02/05/10	201.58	340.35
02/06/10	143.04	613.14	148.02	587.93	02/06/10	203.01	346.22
02/07/10	138.83	596.79	147.01	577.57	02/07/10	197.23	331.95
02/08/10	123.60	517.38	134.14	480.52	02/08/10	158.68	284.62
02/09/10	134.45	583.48	146.93	580.74	02/09/10	206.95	306.01
02/10/10	142.70	619.43	141.41	536.38	02/10/10	199.87	251.19
02/11/10	142.39	618.81	147.45	576.05	02/11/10	191.95	252.79
02/12/10	138.63	598.49	146.80	572.57	02/12/10	200.44	256.96
02/13/10	139.94	603.31	146.05	563.67	02/13/10	201.50	294.51
02/14/10	134.31	578.93	148.83	585.45	02/14/10	200.22	315.94
02/15/10	121.54	512.66	140.09	521.59	02/15/10	172.83	299.54
02/16/10	116.82	480.07	132.38	458.15	02/16/10	137.02	325.44
02/17/10	121.35	516.24	143.18	542.65	02/17/10	168.07	289.07
02/18/10	138.10	604.53	147.72	586.86	02/18/10	207.79	331.14
02/19/10	138.31	608.52	148.07	590.85	02/19/10	198.65	360.87
02/20/10	110.24	442.49	131.99	457.68	02/20/10	116.64	368.86
02/21/10	130.34	563.06	145.68	568.54	02/21/10	192.70	336.40
02/22/10	134.06	602.29	147.90	599.90	02/22/10	210.24	362.14

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
02/23/10	126.82	611.45	148.52	615.20	02/23/10	208.67	293.02
02/24/10	126.84	580.05	148.44	626.11	02/24/10	211.53	277.91
02/25/10	128.51	581.51	146.18	597.74	02/25/10	193.72	292.83
02/26/10	133.78	601.54	148.49	615.49	02/26/10	211.45	350.77
02/27/10	133.24	607.00	146.08	604.60	02/27/10	212.46	390.38
02/28/10	133.12	601.29	147.96	614.33	02/28/10	205.13	404.56
03/01/10	130.28	595.74	147.97	614.79	03/01/10	206.80	399.81
03/02/10	130.07	587.90	146.52	600.47	03/02/10	208.59	396.63
03/03/10	134.60	609.75	148.21	608.43	03/03/10	208.78	397.34
03/04/10	132.72	598.64	148.64	616.51	03/04/10	209.50	391.81
03/05/10	135.34	612.00	147.14	616.95	03/05/10	207.94	391.90
03/06/10	135.74	622.25	152.66	649.71	03/06/10	185.14	394.32
03/07/10	133.90	615.45	146.02	605.52	03/07/10	210.06	419.68
03/08/10	134.53	620.94	147.83	624.05	03/08/10	199.78	408.12
03/09/10	130.22	602.80	146.02	617.08	03/09/10	208.66	356.56
03/10/10	129.50	602.25	145.48	615.47	03/10/10	210.99	362.91
03/11/10	128.11	596.75	144.72	622.96	03/11/10	211.76	352.61
03/12/10	129.80	605.87	144.41	619.09	03/12/10	212.70	317.90
03/13/10	130.35	609.00	143.85	616.92	03/13/10	212.88	317.42
03/15/10	130.76	609.96	144.00	616.30	03/15/10	213.70	308.78
03/16/10	127.71	600.02	145.34	635.80	03/16/10	215.16	298.54
03/17/10	131.40	622.17	144.25	627.24	03/17/10	214.25	238.88
03/18/10	129.76	585.46	144.32	625.11	03/18/10	201.05	246.67
03/19/10	133.61	627.53	144.26	630.50	03/19/10	213.96	290.61
03/20/10	130.50	581.51	144.34	636.34	03/20/10	217.28	342.56
03/21/10	132.63	631.06	144.81	648.61	03/21/10	210.63	351.49
03/22/10	132.74	627.23	144.22	647.89	03/22/10	205.46	338.04
03/23/10	128.40	589.74	143.93	647.35	03/23/10	210.69	355.08
03/24/10	131.49	608.84	141.93	634.79	03/24/10	203.28	390.56
03/25/10	131.25	597.16	142.06	634.12	03/25/10	210.73	420.85
03/26/10	127.80	603.25	161.74	640.93	03/26/10	197.55	406.84
03/27/10	128.83	587.60	165.44	650.16	03/27/10	215.02	389.79
03/28/10	128.37	602.79	160.31	648.54	03/28/10	213.60	436.85
03/29/10	123.15	569.04	155.18	646.92	03/29/10	213.48	466.57
03/30/10	133.15	628.71	150.05	645.30	03/30/10	209.39	496.49
03/31/10	131.19	600.18	144.92	643.68	03/31/10	211.32	517.02
04/01/10	133.76	611.73	140.58	632.78	04/01/10	212.31	530.94
04/02/10	128.18	588.40	142.58	635.66	04/02/10	217.33	542.96
04/03/10	130.02	598.35	143.80	632.23	04/03/10	210.42	491.97
04/04/10	126.15	595.74	142.57	625.24	04/04/10	203.74	433.27
04/05/10	121.57	554.77	145.79	642.85	04/05/10	207.54	401.59
04/06/10	123.84	588.94	144.27	631.35	04/06/10	217.81	444.11
04/07/10	124.56	586.35	140.64	606.34	04/07/10	212.13	442.50
04/08/10	116.88	561.78	137.94	582.20	04/08/10	183.17	411.83
04/09/10	126.61	590.54	141.68	616.01	04/09/10	186.24	291.16
04/10/10	131.02	650.63	144.92	638.41	04/10/10	211.68	311.76
04/11/10	129.27	614.78	145.73	642.36	04/11/10	212.56	332.55
04/12/10	131.77	638.58	144.99	638.85	04/12/10	210.60	351.00
04/13/10	132.13	619.25	144.59	642.19	04/13/10	209.51	391.40
04/14/10	131.48	637.89	144.92	646.93	04/14/10	204.78	435.40
04/15/10	128.94	621.71	145.07	655.60	04/15/10	206.15	441.30
04/16/10	112.27	512.88	128.69	501.85	04/16/10	129.56	323.20
04/17/10	130.30	651.11	142.02	647.26	04/17/10	204.78	379.65

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

	WDW-1		WDW-2			WDW-3	
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
04/18/10	128.98	615.94	142.48	639.15	04/18/10	198.65	343.19
04/19/10	131.38	673.03	142.63	638.84	04/19/10	207.01	334.22
04/20/10	128.92	602.21	143.29	642.78	04/20/10	200.56	328.64
04/21/10	132.71	637.06	142.97	640.50	04/21/10	209.31	306.56
04/22/10	133.42	617.87	143.35	650.87	04/22/10	206.76	313.15
04/23/10	129.65	605.90	143.20	656.36	04/23/10	202.30	298.19
04/24/10	124.15	602.18	138.12	609.85	04/24/10	166.89	271.86
04/25/10	115.30	569.77	135.53	563.32	04/25/10	148.27	290.62
04/26/10	122.65	544.26	137.44	591.75	04/26/10	174.27	309.92
04/27/10	129.83	591.98	142.20	644.36	04/27/10	193.08	372.62
04/28/10	129.91	636.55	144.90	674.43	04/28/10	193.59	380.50
04/29/10	118.80	590.42	133.17	554.48	04/29/10	156.65	380.88
04/30/10	133.00	620.97	139.92	618.10	04/30/10	180.28	354.85
05/01/10	133.81	622.12	140.10	638.74	05/01/10	186.65	426.04
05/02/10	135.02	645.48	138.48	626.63	05/02/10	187.87	407.87
05/03/10	132.79	642.27	139.83	659.93	05/03/10	181.61	343.37
05/04/10	118.63	593.64	131.45	557.87	05/04/10	141.25	315.20
05/05/10	118.38	528.37	132.66	558.62	05/05/10	149.17	327.78
05/06/10	130.96	627.96	138.15	623.39	05/06/10	194.35	444.50
05/07/10	133.52	634.69	139.16	641.91	05/07/10	193.52	413.38
05/08/10	135.22	611.72	138.40	649.13	05/08/10	190.48	389.57
05/09/10	132.94	594.90	137.98	657.41	05/09/10	188.19	353.27
05/10/10	134.20	659.15	137.99	645.30	05/10/10	188.56	256.53
05/11/10	131.16	600.72	137.21	622.94	05/11/10	193.80	261.25
05/12/10	130.94	593.69	139.11	809.78	05/12/10	178.57	267.29
05/13/10	120.75	358.16	127.64	712.45	05/13/10	120.66	259.01
05/14/10	123.31	550.61	130.55	687.28	05/14/10	153.36	319.28
05/15/10	130.54	566.24	131.74	744.47	05/15/10	168.11	298.66
05/16/10	133.72	620.99	127.80	699.88	05/16/10	178.50	280.58
05/17/10	128.86	628.66	131.95	724.25	05/17/10	148.64	274.34
05/18/10	139.00	652.40	133.13	874.26	05/18/10	139.76	347.60
05/19/10	137.69	668.23	134.71	909.85	05/19/10	151.80	303.29
05/20/10	110.45	486.97	123.29	612.22	05/20/10	086.78	281.96
05/21/10	137.81	621.52	138.13	634.36	05/21/10	160.87	398.94
05/22/10	128.98	440.82	125.87	513.90	05/22/10	136.45	330.53
05/23/10	117.73	493.13	129.19	549.48	05/23/10	136.48	286.18
05/24/10	125.07	524.49	133.57	609.88	05/24/10	151.93	319.59
05/25/10	133.82	603.41	138.13	673.53	05/25/10	170.51	332.74
05/26/10	122.85	449.00	133.46	604.65	05/26/10	149.56	301.71
05/27/10	133.36	465.31	139.34	651.10	05/27/10	166.78	338.11
05/28/10	137.19	510.74	135.82	613.53	05/28/10	173.76	340.59
05/29/10	137.43	486.52	138.76	632.15	05/29/10	173.97	334.18
05/30/10	137.46	372.07	141.81	660.40	05/30/10	172.38	310.85
05/31/10	137.99	410.92	140.35	642.84	05/31/10	174.68	308.84
06/01/10	136.83	387.83	137.92	630.47	06/01/10	177.47	306.36
06/02/10	132.42	371.00	137.61	616.92	06/02/10	179.12	298.81
06/03/10	132.54	567.66	139.65	627.15	06/03/10	181.52	311.22
06/04/10	126.94	481.74	136.11	589.56	06/04/10	154.57	286.53
06/05/10	126.79	508.83	136.55	589.18	06/05/10	162.56	321.74
06/06/10	127.60	533.19	136.66	593.55	06/06/10	160.23	363.79
06/07/10	135.73	626.34	134.21	583.27	06/07/10	179.65	440.57
06/08/10	133.07	578.90	140.49	643.06	06/08/10	184.66	431.66
06/09/10	135.37	601.02	142.40	661.79	06/09/10	181.81	416.92

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
06/10/10	135.33	596.69	142.66	665.91	06/10/10	182.06	399.61
06/11/10	133.37	551.43	141.55	662.22	06/11/10	185.25	355.12
06/12/10	131.83	556.90	140.82	665.25	06/12/10	184.27	317.00
06/13/10	131.40	525.45	139.62	662.66	06/13/10	185.97	359.27
06/14/10	129.47	517.32	138.54	666.26	06/14/10	183.20	363.67
06/15/10	132.07	597.01	139.14	663.93	06/15/10	184.61	306.95
06/16/10	131.58	602.04	138.97	666.00	06/16/10	183.89	278.06
06/17/10	131.33	512.66	138.86	666.33	06/17/10	182.57	265.99
06/18/10	130.94	511.79	138.92	666.79	06/18/10	183.07	251.85
06/19/10	129.64	594.90	137.27	652.99	06/19/10	175.07	257.01
06/20/10	131.06	566.55	137.55	655.73	06/20/10	178.63	349.43
06/21/10	132.60	550.85	135.91	644.87	06/21/10	183.43	359.07
06/22/10	131.93	612.23	134.98	641.26	06/22/10	184.32	376.13
06/23/10	128.00	521.61	137.56	662.82	06/23/10	185.26	401.19
06/24/10	130.22	415.23	136.67	654.03	06/24/10	176.93	373.84
06/25/10	130.71	619.13	137.74	666.10	06/25/10	183.58	301.78
06/26/10	131.27	458.68	137.35	667.43	06/26/10	182.74	292.12
06/27/10	130.32	459.89	137.00	667.19	06/27/10	179.35	297.93
06/28/10	126.24	283.94	136.35	657.13	06/28/10	175.25	320.47
06/29/10	123.47	360.69	138.05	669.01	06/29/10	176.58	325.42
06/30/10	125.83	346.68	137.35	652.40	06/30/10	178.83	306.59
07/01/10	126.81	300.94	136.70	642.09	07/01/10	173.18	393.60
07/02/10	128.77	365.78	137.50	650.79	07/02/10	180.50	329.51
07/03/10	127.66	375.96	137.45	655.25	07/03/10	175.49	361.35
07/04/10	127.05	462.25	137.59	657.43	07/04/10	174.83	413.66
07/05/10	125.79	658.40	137.59	652.77	07/05/10	179.73	455.84
07/06/10	125.00	696.96	136.64	647.68	07/06/10	176.87	453.66
07/07/10	129.04	631.81	135.76	637.92	07/07/10	167.20	406.13
07/08/10	096.27	465.79	115.57	402.12	07/08/10	051.94	128.07
07/09/10	135.08	423.03	142.19	669.89	07/09/10	152.49	291.99
07/10/10	130.42	567.31	141.36	656.26	07/10/10	180.13	352.54
07/11/10	130.45	639.28	140.93	657.30	07/11/10	179.40	394.12
07/12/10	130.19	675.05	140.44	653.25	07/12/10	180.52	338.95
07/13/10	130.69	677.09	140.02	653.89	07/13/10	181.70	299.81
07/14/10	136.35	761.10	126.72	520.46	07/14/10	188.50	288.84
07/15/10	131.70	761.78	138.24	661.99	07/15/10	179.04	284.12
07/16/10	130.23	718.72	138.59	654.57	07/16/10	181.59	315.57
07/17/10	130.15	715.29	138.88	658.91	07/17/10	182.74	310.30
07/18/10	129.33	684.87	139.74	669.57	07/18/10	181.98	303.60
07/19/10	129.23	669.19	139.98	672.46	07/19/10	183.08	297.69
07/20/10	130.12	664.20	139.76	668.20	07/20/10	178.70	285.64
07/21/10	129.85	645.00	139.23	662.41	07/21/10	180.37	270.20
07/22/10	130.76	605.78	138.86	664.60	07/22/10	178.69	267.33
07/23/10	128.98	640.22	139.47	666.40	07/23/10	180.95	278.72
07/24/10	129.21	611.87	139.27	672.83	07/24/10	178.94	300.17
07/25/10	129.17	457.63	138.18	669.76	07/25/10	176.35	309.95
07/26/10	129.34	502.84	139.60	677.40	07/26/10	175.48	304.01
07/27/10	129.47	620.21	139.77	678.65	07/27/10	178.11	324.26
07/28/10	131.07	667.27	132.83	614.96	07/28/10	182.99	347.72
07/29/10	130.49	631.56	135.62	628.54	07/29/10	182.08	366.91
07/30/10	129.03	636.88	138.96	668.34	07/30/10	177.72	330.44
07/31/10	128.66	688.96	140.40	679.89	07/31/10	179.51	320.90
08/01/10	129.37	729.05	139.29	668.12	08/01/10	180.12	298.13

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

	WDW-1		WDW-2			WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres	
08/02/10	131.19	754.44	137.87	659.05	08/02/10	177.96	285.21	
08/03/10	129.44	771.93	140.36	679.14	08/03/10	179.81	283.86	
08/04/10	130.23	720.74	139.06	670.56	08/04/10	182.37	294.49	
08/05/10	127.30	707.12	139.85	674.85	08/05/10	181.07	247.34	
08/06/10	125.04	675.79	140.63	690.07	08/06/10	181.45	208.06	
08/07/10	129.80	653.99	140.00	680.34	08/07/10	177.98	195.23	
08/08/10	128.91	666.16	139.07	672.68	08/08/10	179.53	216.00	
08/09/10	125.96	629.80	140.71	688.97	08/09/10	179.81	253.65	
08/10/10	126.74	576.53	140.06	684.28	08/10/10	178.08	272.30	
08/11/10	129.82	614.23	139.38	679.47	08/11/10	178.82	263.49	
08/12/10	129.00	662.84	138.73	675.66	08/12/10	180.03	265.11	
08/13/10	129.29	671.82	138.57	672.57	08/13/10	180.18	286.44	
08/14/10	129.01	692.96	138.67	674.28	08/14/10	175.43	318.16	
08/15/10	129.67	691.17	140.27	692.96	08/15/10	181.59	348.30	
08/16/10	129.93	660.66	140.58	693.33	08/16/10	180.45	368.92	
08/17/10	132.42	643.63	139.47	687.41	08/17/10	178.40	384.77	
08/18/10	131.60	662.32	139.63	690.00	08/18/10	178.42	395.07	
08/19/10	132.23	667.43	140.22	697.09	08/19/10	177.29	410.75	
08/20/10	132.71	614.66	140.43	703.92	08/20/10	173.93	398.46	
08/21/10	131.93	670.14	139.94	694.83	08/21/10	179.85	390.93	
08/22/10	130.65	596.31	139.16	687.96	08/22/10	180.56	396.80	
08/23/10	131.12	541.08	138.35	683.09	08/23/10	180.21	370.21	
08/24/10	129.13	533.67	138.82	688.68	08/24/10	180.62	377.45	
08/25/10	127.87	365.20	140.37	707.98	08/25/10	180.33	368.56	
08/26/10	130.06	424.14	139.89	705.76	08/26/10	177.54	306.30	
08/27/10	127.07	389.43	138.87	695.47	08/27/10	179.69	243.96	
08/28/10	128.89	410.31	140.09	706.05	08/28/10	178.16	209.93	
08/29/10	128.96	424.14	138.52	693.57	08/29/10	178.71	249.73	
08/30/10	132.66	536.42	139.11	693.73	08/30/10	177.53	268.46	
08/31/10	129.06	355.84	140.37	710.37	08/31/10	181.01	277.47	
09/01/10	131.19	458.14	139.20	691.55	09/01/10	177.73	259.40	
09/02/10	132.49	629.57	141.17	700.81	09/02/10	179.83	260.08	
09/03/10	133.04	509.57	140.56	692.06	09/03/10	179.96	220.60	
09/04/10	130.44	375.02	140.24	699.16	09/04/10	177.46	186.90	
09/05/10	130.77	430.01	140.64	703.25	09/05/10	167.48	214.42	
09/06/10	128.60	533.61	137.47	669.63	09/06/10	181.48	256.01	
09/07/10	129.13	564.98	139.35	688.34	09/07/10	179.49	324.78	
09/08/10	129.66	596.34	143.84	732.29	09/08/10	180.43	346.19	
09/09/10	130.19	627.70	138.55	680.42	09/09/10	179.36	345.46	
09/10/10	130.72	659.07	140.34	700.04	09/10/10	176.71	292.40	
09/11/10	130.81	686.32	140.16	698.30	09/11/10	177.26	261.56	
09/12/10	130.12	691.50	139.67	697.27	09/12/10	174.29	258.19	
09/13/10	128.85	693.41	138.04	681.37	09/13/10	178.49	256.55	
09/14/10	130.47	702.68	140.89	707.78	09/14/10	180.04	290.53	
09/15/10	132.32	711.33	140.91	705.74	09/15/10	180.59	305.47	
09/16/10	132.78	706.91	134.37	638.58	09/16/10	184.04	322.98	
09/17/10	123.93	685.33	140.13	704.32	09/17/10	180.71	328.56	
09/18/10	124.65	667.08	139.10	698.06	09/18/10	181.51	278.63	
09/19/10	133.47	648.33	141.94	718.04	09/19/10	180.59	272.74	
09/20/10	142.29	629.58	140.42	701.98	09/20/10	179.66	298.86	
09/21/10	151.11	610.83	140.12	700.77	09/21/10	177.28	324.78	
09/22/10	142.69	650.74	135.05	654.14	09/22/10	172.20	328.05	
09/23/10	130.62	688.72	130.70	604.22	09/23/10	135.62	317.11	

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		Date	WDW-3	
	Rate	Pres	Rate	Pres		Rate	Pres
09/24/10	125.42	643.26	139.35	702.14	09/24/10	189.29	292.80
09/25/10	119.18	591.19	140.33	714.90	09/25/10	181.41	335.29
09/26/10	112.94	539.11	121.50	504.18	09/26/10	090.75	262.36
09/27/10	106.70	487.03	124.95	537.65	09/27/10	117.88	191.53
09/28/10	100.46	434.96	130.16	599.08	09/28/10	144.82	402.74
09/29/10	094.21	382.88	139.62	700.82	09/29/10	188.46	428.01
09/30/10	087.97	330.80	147.35	773.79	09/30/10	114.85	322.44
10/01/10	080.45	283.06	155.20	846.84	10/01/10	000.00	009.38
10/02/10	076.24	270.97	101.97	275.20	10/02/10	000.00	009.84
10/03/10	122.86	593.72	132.13	589.46	10/03/10	145.31	122.00
10/04/10	125.12	667.01	139.81	677.69	10/04/10	182.78	341.38
10/05/10	127.61	682.38	139.13	673.85	10/05/10	191.23	344.54
10/06/10	126.28	669.69	139.85	677.03	10/06/10	186.34	271.43
10/07/10	125.72	668.81	139.20	676.37	10/07/10	192.54	246.36
10/08/10	125.01	667.56	140.93	700.75	10/08/10	190.75	278.35
10/09/10	125.16	668.13	140.94	701.29	10/09/10	190.93	250.50
10/10/10	125.47	669.80	141.17	702.09	10/10/10	190.38	216.36
10/11/10	125.48	671.80	141.19	705.65	10/11/10	188.29	197.71
10/12/10	125.93	674.63	140.65	699.01	10/12/10	184.91	202.52
10/13/10	124.31	660.22	139.42	683.14	10/13/10	183.63	201.10
10/14/10	126.96	679.65	140.11	693.82	10/14/10	190.26	251.65
10/15/10	127.57	682.88	137.70	670.38	10/15/10	181.97	276.06
10/16/10	128.34	688.25	140.59	699.32	10/16/10	189.44	701.31
10/17/10	128.34	688.96	140.59	699.32	10/17/10	189.44	701.31
10/18/10	128.34	688.96	140.40	701.15	10/18/10	189.44	701.31
10/19/10	127.21	679.85	139.36	689.58	10/19/10	188.06	686.87
10/20/10	127.55	683.61	139.53	695.29	10/20/10	188.06	686.08
10/21/10	126.06	679.13	139.80	697.20	10/21/10	188.06	697.66
10/22/10	126.06	679.13	138.66	686.04	10/22/10	191.89	709.87
10/23/10	125.20	675.66	140.64	708.34	10/23/10	189.41	702.11
10/24/10	126.42	679.67	141.20	712.25	10/24/10	186.89	692.12
10/25/10	126.42	679.67	140.78	706.71	10/25/10	189.66	707.05
10/26/10	124.82	672.38	140.50	704.62	10/26/10	191.06	706.83
10/27/10	124.82	672.38	140.37	704.94	10/27/10	190.67	706.53
10/28/10	136.98	747.95	116.76	325.51	10/28/10	206.81	764.10
10/29/10	142.08	779.16	098.65	127.84	10/29/10	206.81	790.72
10/30/10	142.08	779.16	114.37	442.85	10/30/10	186.82	684.11
10/31/10	142.08	779.16	137.98	685.08	10/31/10	186.82	684.11
11/01/10	127.47	683.61	136.92	655.68	11/01/10	189.92	698.40
11/02/10	127.78	685.13	137.19	689.79	11/02/10	188.75	689.02
11/03/10	126.62	679.63	136.17	672.94	11/03/10	188.02	675.21
11/04/10	126.71	686.33	136.67	682.73	11/04/10	188.34	697.97
11/05/10	128.22	693.80	136.04	686.60	11/05/10	186.68	688.60
11/06/10	128.14	689.26	135.07	675.34	11/06/10	191.15	700.47
11/07/10	126.80	686.13	137.48	692.62	11/07/10	189.05	688.56
11/08/10	127.21	690.89	137.64	705.88	11/08/10	185.42	683.14
11/09/10	125.43	674.54	136.87	692.13	11/09/10	186.32	682.83
11/10/10	125.25	678.07	135.01	518.14	11/10/10	192.49	720.95
11/11/10	000.00	281.64	000.00	289.22	11/11/10	202.09	751.23
11/12/10	000.00	279.95	000.00	279.72	11/12/10	000.00	284.15
11/13/10	121.86	632.69	137.46	563.91	11/13/10	190.76	696.47
11/14/10	128.04	681.42	137.46	661.87	11/14/10	182.25	681.42
11/15/10	128.04	686.36	137.46	554.05	11/15/10	182.03	666.80

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
11/16/10	128.04	676.66	137.46	676.66	11/16/10	186.62	691.29
11/17/10	124.90	676.66	137.46	661.87	11/17/10	186.62	691.29
11/18/10	128.04	671.73	137.46	607.96	11/18/10	186.62	691.04
11/19/10	124.90	671.73	137.46	691.29	11/19/10	190.98	686.36
11/20/10	127.88	671.48	137.46	686.60	11/20/10	186.62	686.36
11/21/10	128.04	666.80	137.46	701.15	11/21/10	186.83	681.67
11/22/10	128.04	656.94	134.32	578.54	11/22/10	182.25	681.42
11/23/10	121.86	652.17	137.46	661.87	11/23/10	177.89	681.42
11/24/10	124.90	671.73	134.32	666.80	11/24/10	182.25	686.36
11/25/10	124.90	671.73	134.32	652.17	11/25/10	177.89	676.66
11/26/10	121.86	681.42	137.46	607.96	11/26/10	177.89	671.48
11/27/10	118.72	671.73	134.32	622.75	11/27/10	182.25	671.73
11/28/10	118.72	671.73	134.32	607.96	11/28/10	177.89	676.66
11/29/10	118.72	666.80	134.32	671.73	11/29/10	182.25	681.42
11/30/10	118.72	676.66	134.32	632.20	11/30/10	173.52	666.80
12/01/10	115.58	656.94	134.32	666.80	12/01/10	178.11	671.73
12/02/10	118.72	676.66	131.18	652.17	12/02/10	177.89	666.80
12/03/10	071.82	298.39	096.84	284.33	12/03/10	000.00	289.26
12/04/10	118.72	666.80	134.32	578.54	12/04/10	190.98	691.53
12/05/10	103.12	666.80	137.46	622.75	12/05/10	186.62	681.42
12/06/10	118.72	666.80	134.32	676.66	12/06/10	190.98	691.29
12/07/10	118.72	666.80	131.18	652.17	12/07/10	186.62	691.29
12/08/10	118.72	671.73	134.32	671.73	12/08/10	190.76	691.29
12/09/10	118.72	676.66	134.32	666.80	12/09/10	190.98	695.97
12/10/10	118.72	675.41	131.18	583.47	12/10/10	182.25	681.19
12/11/10	121.86	676.66	140.60	632.45	12/11/10	182.25	671.73
12/12/10	118.72	681.42	137.46	681.42	12/12/10	177.89	661.87
12/13/10	118.72	671.73	134.32	622.75	12/13/10	186.62	696.22
12/14/10	121.86	686.36	121.86	568.67	12/14/10	186.62	706.08
12/15/10	114.17	658.75	134.32	647.24	12/15/10	182.25	671.73
12/16/10	106.16	607.96	134.32	534.49	12/16/10	169.31	622.75
12/17/10	109.30	632.45	137.46	573.61	12/17/10	173.52	637.38
12/18/10	143.79	824.50	106.16	294.20	12/18/10	000.00	289.26
12/19/10	068.78	294.20	106.16	284.33	12/19/10	000.00	289.26
12/20/10	071.82	279.57	103.27	294.20	12/20/10	000.00	284.33
12/21/10	121.71	676.90	137.46	563.91	12/21/10	195.13	695.97
12/22/10	118.72	676.66	140.60	603.03	12/22/10	186.62	661.87
12/23/10	115.58	656.94	140.60	588.40	12/23/10	190.98	686.36
12/24/10	115.42	661.87	140.60	681.42	12/24/10	186.83	691.29
12/25/10	118.72	691.29	134.32	627.52	12/25/10	190.98	686.36
12/26/10	118.72	686.36	140.60	637.38	12/26/10	190.98	681.42
12/27/10	118.72	681.42	140.60	647.24	12/27/10	186.83	691.29
12/28/10	112.44	666.80	140.60	593.33	12/28/10	190.76	696.22
12/29/10	118.53	676.66	140.60	676.66	12/29/10	195.35	691.29
12/30/10	117.11	681.42	140.60	681.42	12/30/10	190.98	696.22
12/31/10	115.58	673.03	137.46	666.80	12/31/10	190.98	696.22
01/01/11	000.00	725.64	140.60	725.64	01/01/11	182.25	686.36
01/02/11	118.72	671.73	140.60	656.94	01/02/11	182.25	676.66
01/03/11	118.72	691.29	137.46	671.73	01/03/11	186.62	701.15
01/04/11	118.72	691.29	137.46	661.87	01/04/11	190.98	701.15
01/05/11	118.72	686.36	140.60	696.22	01/05/11	190.98	696.22
01/06/11	124.90	686.36	140.60	701.15	01/06/11	190.98	696.22
01/07/11	121.86	686.36	140.60	691.29	01/07/11	195.35	691.29

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
01/08/11	118.72	691.29	140.60	686.36	01/08/11	182.25	676.66
01/09/11	118.72	681.42	140.60	691.29	01/09/11	195.35	706.08
01/10/11	118.56	676.66	140.60	701.15	01/10/11	195.35	706.08
01/11/11	112.44	681.42	137.46	593.33	01/11/11	195.13	691.29
01/12/11	106.16	666.80	140.60	607.96	01/12/11	190.98	696.22
01/13/11	115.58	671.73	137.46	652.17	01/13/11	186.62	696.22
01/14/11	115.58	696.22	137.46	632.45	01/14/11	190.98	706.08
01/15/11	115.58	696.22	137.46	632.45	01/15/11	190.98	706.08
01/16/11	116.27	696.22	134.32	652.17	01/16/11	190.76	706.08
01/17/11	115.58	701.15	140.60	607.96	01/17/11	186.62	681.42
01/18/11	114.96	691.29	143.64	647.24	01/18/11	190.98	701.15
01/19/11	115.58	691.29	137.46	652.17	01/19/11	190.98	701.15
01/20/11	115.58	691.29	137.46	656.94	01/20/11	190.98	701.15
01/21/11	112.44	686.36	137.62	642.31	01/21/11	186.62	701.15
01/22/11	112.44	681.42	137.46	588.40	01/22/11	190.98	696.22
01/23/11	112.44	686.60	137.46	603.03	01/23/11	186.62	701.15
01/24/11	112.44	666.80	137.46	701.15	01/24/11	190.98	710.85
01/25/11	112.44	691.29	134.48	612.89	01/25/11	186.62	696.22
01/26/11	068.78	437.11	103.12	357.97	01/26/11	000.00	304.06
01/27/11	115.58	710.85	140.60	612.89	01/27/11	173.52	656.94
01/28/11	112.44	686.36	137.77	529.56	01/28/11	190.98	706.08
01/29/11	112.44	686.36	140.60	558.73	01/29/11	186.62	706.08
01/30/11	112.44	691.29	140.60	652.17	01/30/11	195.35	706.08
01/31/11	109.30	686.36	137.46	632.45	01/31/11	190.98	710.85
02/01/11	637.08	1000.1	637.08	706.08	02/01/11	000.00	1000.1
02/02/11	527.77	1000.1	000.00	480.41	02/02/11	885.11	1000.1
02/03/11	309.16	1000.1	637.08	416.81	02/03/11	016.79	382.70
02/04/11	136.53	725.64	137.46	578.54	02/04/11	177.67	686.36
02/05/11	074.96	353.04	103.12	372.59	02/05/11	000.00	299.13
02/06/11	071.82	353.04	099.98	318.93	02/06/11	000.00	299.13
02/07/11	060.14	254.91	140.60	431.43	02/07/11	195.35	720.71
02/08/11	109.30	656.94	099.98	083.32	02/08/11	201.52	1000.1
02/09/11	174.94	1000.1	131.18	455.92	02/09/11	143.48	974.90
02/10/11	074.33	328.55	102.97	490.28	02/10/11	000.00	152.02
02/11/11	140.60	519.70	099.98	406.95	02/11/11	117.23	490.28
02/12/11	112.44	480.41	137.46	460.86	02/12/11	099.78	485.34
02/13/11	143.64	598.09	159.35	485.34	02/13/11	129.96	588.40
02/14/11	137.46	568.92	159.35	534.49	02/14/11	134.54	573.61
02/15/11	149.92	607.96	162.38	514.76	02/15/11	151.85	578.54
02/16/11	134.32	558.98	168.66	588.40	02/16/11	160.58	598.09
02/17/11	143.64	598.09	159.50	524.38	02/17/11	164.94	598.09
02/18/11	149.92	603.03	165.52	568.67	02/18/11	147.49	568.67
02/19/11	146.78	612.89	159.35	603.03	02/19/11	173.31	603.27
02/20/11	159.72	573.02	156.20	426.50	02/20/11	151.85	558.98
02/21/11	153.06	622.75	156.20	470.72	02/21/11	160.58	603.03
02/22/11	074.96	338.24	099.98	357.97	02/22/11	000.00	308.82
02/23/11	146.78	626.26	156.20	500.14	02/23/11	164.94	598.09
02/24/11	097.40	398.45	099.98	490.28	02/24/11	000.00	308.82
02/25/11	168.66	725.64	171.80	554.05	02/25/11	199.56	696.22
02/26/11	074.96	362.90	099.98	476.14	02/26/11	000.00	308.82
02/27/11	165.52	705.84	174.94	588.40	02/27/11	195.35	681.42
02/28/11	162.38	686.36	178.09	632.45	02/28/11	190.98	686.36
03/01/11	168.66	715.78	174.94	563.91	03/01/11	186.62	671.73

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2			WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres	
03/02/11	168.66	720.71	171.80	431.43	03/02/11	195.35	681.42	
03/03/11	124.90	573.61	184.26	588.40	03/03/11	212.65	745.20	
03/04/11	140.60	647.49	143.64	416.81	03/04/11	130.18	519.70	
03/05/11	131.18	607.96	099.98	362.90	03/05/11	000.00	309.07	
03/06/11	215.46	956.07	099.98	377.53	03/06/11	173.52	607.96	
03/07/11	140.60	617.82	099.98	357.97	03/07/11	000.00	309.07	
03/08/11	205.99	896.99	149.92	441.30	03/08/11	004.36	402.01	
03/09/11	212.43	931.58	149.92	455.92	03/09/11	134.54	519.70	
03/10/11	209.59	916.79	146.78	392.32	03/10/11	138.91	539.25	
03/11/11	234.20	1000.1	134.32	446.23	03/11/11	104.14	470.97	
03/12/11	106.00	490.28	099.98	392.81	03/12/11	000.00	318.68	
03/13/11	218.60	995.36	134.32	451.16	03/13/11	130.18	500.14	
03/14/11	221.74	1000.1	143.64	490.28	03/14/11	138.91	529.56	
03/15/11	221.74	1000.1	146.78	573.61	03/15/11	125.81	500.14	
03/16/11	203.00	902.16	159.35	519.70	03/16/11	173.52	622.75	
03/17/11	118.72	558.98	156.20	509.83	03/17/11	161.02	568.92	
03/18/11	146.78	681.42	162.38	455.92	03/18/11	190.98	642.31	
03/19/11	215.46	990.43	140.60	509.83	03/19/11	134.54	514.76	
03/20/11	115.58	529.56	106.16	509.83	03/20/11	000.00	352.79	
03/21/11	209.29	975.63	149.92	539.25	03/21/11	151.85	549.12	
03/22/11	209.29	965.69	168.66	534.49	03/22/11	195.35	676.66	
03/23/11	212.43	980.56	149.92	549.12	03/23/11	160.58	568.67	
03/24/11	212.11	965.69	099.98	509.83	03/24/11	000.00	308.82	
03/25/11	212.58	995.36	156.20	544.19	03/25/11	186.62	642.31	
03/26/11	212.27	990.43	153.06	519.70	03/26/11	169.31	583.47	
03/27/11	209.29	970.70	159.35	524.63	03/27/11	177.89	612.89	
03/28/11	209.29	970.70	099.98	500.14	03/28/11	000.00	279.57	
03/29/11	209.29	975.88	162.38	519.70	03/29/11	186.62	627.52	
03/30/11	215.46	1000.1	153.06	524.63	03/30/11	170.78	581.74	
03/31/11	218.60	1000.1	159.35	524.63	03/31/11	169.31	588.40	
04/01/11	228.03	1000.1	162.38	524.63	04/01/11	186.62	622.75	
04/02/11	221.74	1000.1	159.35	490.28	04/02/11	177.89	607.96	
04/04/11	215.46	1000.1	100.14	529.56	04/04/11	000.00	294.20	
04/05/11	220.98	1000.1	156.20	485.34	04/05/11	173.52	603.03	
04/06/11	209.29	1000.1	134.32	500.14	04/06/11	134.54	514.76	
04/07/11	169.65	411.26	099.98	279.57	04/07/11	000.00	328.55	
04/08/11	200.00	912.00	167.92	550.00	04/08/11	043.49	656.94	
04/09/11	216.92	1002.2	160.00	581.00	04/09/11	129.00	615.00	
04/10/11	218.00	1010.3	180.00	640.00	04/10/11	157.08	729.00	
04/11/11	225.00	1050.0	164.00	506.92	04/11/11	143.00	652.00	
04/12/11	221.92	1037.2	175.00	446.92	04/12/11	151.08	701.00	
04/13/11	220.00	1034.2	170.00	568.00	04/13/11	148.00	681.92	
04/14/11	218.00	1020.8	173.00	480.92	04/14/11	149.67	673.00	
04/15/11	220.83	1034.3	167.08	599.00	04/15/11	139.92	647.00	
04/16/11	135.00	629.00	162.00	489.00	04/16/11	136.92	635.00	
04/17/11	200.00	932.92	128.08	553.00	04/17/11	075.92	469.00	
04/18/11	222.08	1043.1	166.00	533.92	04/18/11	140.00	653.00	
04/19/11	216.92	1023.9	164.08	517.00	04/19/11	140.00	652.00	
04/20/11	111.08	540.08	102.00	512.00	04/20/11	000.00	347.00	
04/21/11	108.00	532.00	101.00	461.00	04/21/11	218.83	988.75	
04/22/11	080.00	377.00	101.00	525.08	04/22/11	000.00	348.00	
04/23/11	140.00	663.00	162.92	568.00	04/23/11	136.00	644.00	
04/24/11	135.08	649.00	158.00	572.00	04/24/11	129.08	623.00	

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
04/25/11	153.08	727.00	176.00	562.00	04/25/11	148.00	694.00
04/26/11	115.00	564.00	145.00	551.08	04/26/11	102.08	536.00
04/27/11	147.92	707.00	171.92	540.00	04/27/11	145.08	676.00
04/28/11	153.00	731.00	175.00	509.00	04/28/11	151.00	699.00
04/29/11	153.92	731.00	174.08	611.00	04/29/11	152.08	694.00
04/30/11	145.08	695.08	173.00	594.00	04/30/11	148.17	693.00
05/01/11	150.00	718.00	176.00	566.00	05/01/11	155.00	710.00
05/02/11	077.00	507.50	099.00	567.08	05/02/11	000.00	358.17
05/03/11	150.00	724.00	175.00	584.08	05/03/11	151.00	706.00
05/04/11	150.92	722.00	175.00	556.00	05/04/11	151.00	702.00
05/05/11	149.00	716.00	173.00	580.00	05/05/11	156.00	722.00
05/06/11	079.00	443.25	101.00	533.00	05/06/11	000.00	353.00
05/07/11	149.00	722.00	179.00	606.00	05/07/11	149.00	694.00
05/08/11	145.92	701.00	174.00	574.00	05/08/11	145.00	678.00
05/09/11	147.00	713.00	176.92	560.08	05/09/11	152.08	712.00
05/10/11	151.08	736.00	176.00	581.00	05/10/11	149.00	704.00
05/11/11	140.00	686.00	165.00	638.00	05/11/11	140.00	666.00
05/12/11	153.08	742.00	173.00	570.00	05/12/11	148.83	693.00
05/13/11	149.00	725.00	176.00	573.00	05/13/11	152.08	715.00
05/14/11	145.08	659.92	164.00	590.00	05/14/11	141.92	658.92
05/15/11	147.00	718.00	171.00	558.00	05/15/11	157.00	724.00
05/16/11	151.17	735.00	176.00	621.00	05/16/11	150.08	697.00
05/17/11	150.00	719.00	173.00	578.00	05/17/11	147.08	686.00
05/18/11	146.92	709.00	175.00	590.00	05/18/11	152.83	706.00
05/19/11	146.92	707.00	172.92	606.08	05/19/11	152.17	714.00
05/20/11	146.08	710.00	171.92	605.00	05/20/11	154.00	715.00
05/21/11	146.92	710.00	171.00	533.00	05/21/11	152.08	714.00
05/22/11	146.00	711.00	171.08	593.00	05/22/11	151.08	715.00
05/23/11	146.92	712.00	172.00	608.00	05/23/11	152.00	713.00
05/24/11	146.08	713.00	172.00	549.00	05/24/11	151.92	712.00
05/25/11	147.00	715.00	172.00	583.08	05/25/11	151.08	714.00
05/26/11	146.92	713.00	171.00	558.00	05/26/11	153.08	711.00
05/27/11	146.92	711.00	175.46	616.00	05/27/11	149.92	706.00
05/28/11	148.92	724.00	175.00	535.08	05/28/11	144.92	692.00
05/29/11	145.00	709.00	172.00	562.00	05/29/11	148.17	701.00
05/30/11	144.00	708.00	172.00	573.00	05/30/11	149.17	701.00
05/31/11	142.92	708.00	171.00	549.92	05/31/11	148.00	701.00
06/01/11	144.00	705.00	171.08	570.00	06/01/11	149.08	697.00
06/02/11	145.00	705.00	171.08	560.00	06/02/11	147.92	692.00
06/03/11	145.08	703.92	170.00	505.00	06/03/11	152.00	697.92
06/04/11	163.92	759.00	179.08	621.00	06/04/11	163.08	755.00
06/05/11	159.00	782.00	178.00	685.00	06/05/11	163.00	755.00
06/06/11	157.00	773.00	183.08	681.00	06/06/11	163.00	765.00
06/07/11	157.08	775.08	182.92	690.92	06/07/11	163.08	766.00
06/08/11	150.92	742.00	174.00	682.92	06/08/11	152.75	722.00
06/09/11	164.08	807.00	182.00	666.00	06/09/11	167.83	791.00
06/10/11	150.08	735.00	175.00	543.00	06/10/11	152.92	719.00
06/11/11	137.00	682.00	164.92	581.00	06/11/11	138.00	671.00
06/12/11	148.00	730.00	173.92	526.00	06/12/11	152.92	726.00
06/13/11	174.08	677.83	168.00	575.92	06/13/11	146.17	678.83
06/14/11	149.92	736.92	176.00	580.08	06/14/11	152.92	715.00
06/15/11	151.00	741.00	175.92	539.08	06/15/11	149.00	710.00
06/16/11	149.00	735.00	174.00	596.00	06/16/11	152.92	722.92

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
06/17/11	151.92	731.00	172.57	608.56	06/17/11	147.08	712.00
06/18/11	152.00	736.00	176.08	563.00	06/18/11	147.92	714.00
06/19/11	153.00	735.00	174.00	582.00	06/19/11	150.00	721.00
06/20/11	151.00	740.00	175.00	619.00	06/20/11	150.08	726.00
06/21/11	149.08	739.00	174.00	587.00	06/21/11	149.92	724.00
06/22/11	150.08	739.08	175.00	604.00	06/22/11	150.92	724.08
06/23/11	149.58	737.71	175.71	613.11	06/23/11	150.02	721.71
06/24/11	149.92	737.00	175.00	583.24	06/24/11	149.83	721.92
06/25/11	150.00	738.00	175.00	601.00	06/25/11	150.00	721.08
06/26/11	150.00	735.92	175.92	589.00	06/26/11	150.92	719.00
06/27/11	148.00	732.00	176.00	596.00	06/27/11	148.00	717.00
06/28/11	082.00	413.08	102.00	589.00	06/28/11	000.00	369.00
06/29/11	150.92	746.00	174.00	594.00	06/29/11	147.08	714.08
06/30/11	082.00	418.08	102.00	582.08	06/30/11	000.00	372.00
07/01/11	159.00	787.00	102.00	466.00	07/01/11	155.92	742.00
07/02/11	148.00	735.00	174.00	557.00	07/02/11	148.83	713.00
07/03/11	081.00	397.00	102.00	564.00	07/03/11	000.00	371.00
07/04/11	149.00	740.00	174.00	556.00	07/04/11	149.00	723.00
07/05/11	149.92	740.00	173.92	572.00	07/05/11	148.00	724.00
07/06/11	081.00	406.08	101.00	568.08	07/06/11	000.00	371.00
07/07/11	130.92	658.00	159.00	588.08	07/07/11	120.00	623.00
07/08/11	149.00	741.00	174.00	578.00	07/08/11	148.92	730.00
07/09/11	148.00	732.00	173.00	592.08	07/09/11	148.00	721.00
07/10/11	147.00	731.00	172.00	592.00	07/10/11	147.00	720.00
07/11/11	147.00	728.00	171.08	567.00	07/11/11	147.08	718.00
07/12/11	145.92	728.00	171.08	598.00	07/12/11	146.08	721.00
07/13/11	145.92	729.00	170.00	606.00	07/13/11	148.08	723.00
07/14/11	145.00	729.00	166.92	577.00	07/14/11	148.17	726.92
07/15/11	080.00	447.17	101.00	592.00	07/15/11	000.00	380.00
07/16/11	146.00	735.92	172.92	598.00	07/16/11	145.08	722.92
07/17/11	181.17	671.42	165.92	588.92	07/17/11	136.75	655.50
07/18/11	146.00	741.00	172.00	608.00	07/18/11	141.00	707.00
07/19/11	080.00	410.08	102.00	604.08	07/19/11	000.00	378.00
07/20/11	144.92	730.00	172.92	583.00	07/20/11	146.00	724.00
07/21/11	146.08	746.00	173.08	601.00	07/21/11	141.00	706.00
07/22/11	148.00	744.00	173.08	618.00	07/22/11	139.17	696.00
07/23/11	145.00	738.00	171.00	612.00	07/23/11	145.00	723.00
07/24/11	144.92	740.00	171.08	634.08	07/24/11	146.08	721.00
07/25/11	145.92	744.00	171.00	637.92	07/25/11	143.00	713.00
07/26/11	146.08	747.00	171.00	622.00	07/26/11	139.92	706.00
07/27/11	145.08	739.00	168.17	620.00	07/27/11	144.00	726.00
07/28/11	145.08	744.00	170.92	617.00	07/28/11	145.92	729.00
07/29/11	176.25	683.67	165.92	602.92	07/29/11	134.08	670.67
07/30/11	080.00	416.08	100.08	564.00	07/30/11	000.00	388.00
07/31/11	146.00	749.00	169.00	582.00	07/31/11	142.92	722.00
08/01/11	145.00	744.00	170.92	595.00	08/01/11	143.92	728.00
08/02/11	080.00	442.17	102.00	602.00	08/02/11	000.00	392.00
08/03/11	143.00	742.00	172.00	575.00	08/03/11	144.00	730.00
08/04/11	143.00	745.00	170.00	608.00	08/04/11	143.00	727.00
08/05/11	144.00	736.00	171.00	603.00	08/05/11	145.92	731.00
08/06/11	140.92	732.00	171.92	610.00	08/06/11	146.17	734.00
08/07/11	170.75	644.00	164.75	624.00	08/07/11	130.33	651.17
08/08/11	143.00	752.00	169.08	606.00	08/08/11	145.75	737.00

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
08/09/11	142.92	752.00	169.00	595.00	08/09/11	144.92	736.00
08/10/11	143.00	751.00	169.00	581.00	08/10/11	145.83	735.00
08/11/11	143.00	753.00	169.00	578.00	08/11/11	145.92	736.00
08/12/11	143.00	749.08	167.92	582.00	08/12/11	145.08	732.00
08/13/11	143.00	751.00	168.00	598.00	08/13/11	144.83	733.00
08/14/11	143.00	750.00	168.08	604.00	08/14/11	142.17	731.00
08/15/11	079.00	518.33	101.00	604.00	08/15/11	000.00	404.00
08/16/11	143.00	754.00	167.92	603.00	08/16/11	141.92	731.00
08/17/11	143.00	759.92	167.00	605.00	08/17/11	143.92	730.00
08/18/11	141.08	748.00	170.92	650.00	08/18/11	143.08	737.00
08/19/11	141.00	749.00	171.00	634.00	08/19/11	143.00	738.00
08/20/11	141.00	751.00	171.00	621.00	08/20/11	145.92	740.00
08/21/11	142.00	748.00	171.00	596.00	08/21/11	144.17	738.00
08/22/11	141.08	748.00	171.00	630.00	08/22/11	144.08	739.00
08/23/11	141.00	747.00	170.92	627.00	08/23/11	143.92	737.00
08/24/11	079.00	430.08	102.00	606.00	08/24/11	000.00	401.00
08/25/11	154.08	721.92	168.00	618.00	08/25/11	139.00	713.92
08/26/11	138.00	738.92	172.00	651.00	08/26/11	143.83	736.00
08/27/11	142.00	758.00	170.00	659.00	08/27/11	144.00	742.00
08/28/11	142.92	762.00	169.00	669.00	08/28/11	142.00	738.00
08/29/11	142.00	760.00	170.08	688.00	08/29/11	143.08	745.00
08/30/11	139.00	742.00	171.92	712.08	08/30/11	145.92	748.00
08/31/11	142.92	760.00	171.00	713.00	08/31/11	144.00	740.00
09/01/11	142.00	759.00	169.08	681.08	09/01/11	144.00	743.00
09/02/11	142.08	761.92	169.00	666.00	09/02/11	143.83	739.00
09/03/11	142.08	763.00	169.08	675.00	09/03/11	142.08	732.00
09/04/11	140.00	757.08	168.00	654.00	09/04/11	146.92	749.00
09/05/11	139.92	757.00	166.08	627.00	09/05/11	141.08	749.00
09/06/11	139.00	755.00	167.00	632.00	09/06/11	144.08	748.00
09/07/11	139.92	762.00	170.92	651.00	09/07/11	143.83	740.00
09/08/11	140.00	761.00	170.00	688.00	09/08/11	144.00	738.00
09/09/11	140.00	761.00	171.92	679.00	09/09/11	141.08	733.00
09/10/11	138.00	753.92	169.92	672.08	09/10/11	145.08	750.92
09/11/11	137.00	751.00	164.42	657.00	09/11/11	146.92	751.08
09/12/11	136.08	745.08	170.00	669.00	09/12/11	144.17	752.00
09/13/11	140.00	762.92	169.08	630.00	09/13/11	144.00	747.00
09/14/11	140.92	764.00	169.00	634.00	09/14/11	142.00	748.00
09/15/11	140.00	762.00	168.00	589.00	09/15/11	145.00	746.00
09/16/11	141.08	758.00	167.00	582.00	09/16/11	144.00	740.92
09/17/11	080.00	430.00	099.00	562.00	09/17/11	000.00	405.00
09/18/11	078.00	503.25	099.00	496.00	09/18/11	158.08	816.00
09/19/11	149.08	806.00	179.00	602.00	09/19/11	152.83	787.08
09/20/11	150.92	809.00	179.08	654.00	09/20/11	151.92	780.00
09/21/11	140.00	763.92	172.92	681.00	09/21/11	136.17	729.92
09/22/11	135.00	740.00	171.00	692.00	09/22/11	142.08	754.00
09/23/11	135.00	746.00	170.00	665.00	09/23/11	142.92	754.00
09/24/11	140.00	767.00	169.92	683.00	09/24/11	143.92	750.00
09/25/11	137.00	751.00	167.00	662.00	09/25/11	137.00	734.92
09/26/11	139.00	768.00	169.00	660.08	09/26/11	142.00	749.00
09/27/11	139.00	770.00	169.00	648.00	09/27/11	139.17	749.00
09/28/11	140.92	772.00	170.00	689.00	09/28/11	143.75	751.00
09/29/11	079.00	448.00	099.08	631.00	09/29/11	000.00	415.00
09/30/11	139.92	771.00	169.00	656.08	09/30/11	142.08	746.00

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2			WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres	
10/01/11	139.00	772.00	169.00	631.08	10/01/11	138.00	746.00	
10/02/11	140.00	770.00	169.08	645.00	10/02/11	141.00	747.00	
10/03/11	140.00	771.00	169.92	631.00	10/03/11	140.92	743.00	
10/04/11	090.00	536.00	122.00	649.00	10/04/11	056.83	512.00	
10/05/11	140.08	774.00	169.00	650.00	10/05/11	139.17	740.00	
10/06/11	078.92	546.25	122.00	649.00	10/06/11	059.00	528.17	
10/07/11	138.00	766.00	167.00	662.00	10/07/11	143.00	755.00	
10/08/11	077.00	545.33	118.00	632.00	10/08/11	036.25	510.00	
10/09/11	119.00	686.00	155.08	627.00	10/09/11	122.00	687.00	
10/10/11	134.00	754.00	168.00	621.00	10/10/11	140.08	760.00	
10/11/11	133.08	755.00	166.00	647.00	10/11/11	141.08	759.00	
10/12/11	138.08	776.00	169.92	643.00	10/12/11	135.17	751.00	
10/13/11	138.00	777.00	169.00	647.00	10/13/11	136.17	752.00	
10/14/11	138.00	778.00	169.00	658.08	10/14/11	138.00	752.00	
10/15/11	138.08	780.00	169.00	669.08	10/15/11	137.08	750.00	
10/16/11	138.08	782.00	170.00	667.08	10/16/11	134.08	746.00	
10/17/11	139.00	781.00	169.00	685.00	10/17/11	134.92	747.00	
10/18/11	137.92	778.00	167.92	646.08	10/18/11	139.92	764.00	
10/19/11	138.00	780.08	166.08	646.08	10/19/11	134.08	761.00	
10/20/11	079.00	447.00	186.00	661.00	10/20/11	000.00	420.00	
10/21/11	080.36	445.59	175.88	760.44	10/21/11	000.00	418.72	
10/22/11	080.47	443.69	099.85	580.52	10/22/11	001.06	416.11	
10/23/11	138.25	753.73	126.88	575.14	10/23/11	130.77	737.62	
10/24/11	137.01	760.47	166.96	678.85	10/24/11	136.60	746.27	
10/25/11	135.01	751.98	164.82	710.04	10/25/11	131.21	737.02	
10/26/11	140.51	774.15	169.17	732.78	10/26/11	138.23	759.25	
10/27/11	135.45	753.99	165.16	704.11	10/27/11	131.20	739.46	
10/28/11	140.09	772.96	168.42	585.51	10/28/11	138.25	758.90	
10/29/11	136.08	752.47	164.13	635.38	10/29/11	125.23	738.33	
10/30/11	140.65	767.77	166.86	676.53	10/30/11	134.90	754.11	
10/30/11	136.08	751.06	164.11	705.62	10/30/11	126.12	737.49	
10/31/11	145.54	793.96	168.72	725.93	10/31/11	140.81	771.77	
11/01/11	144.15	792.62	165.81	771.90	11/01/11	139.78	770.18	
11/02/11	143.85	790.85	168.40	711.49	11/02/11	142.39	769.78	
11/03/11	138.59	769.46	166.17	682.79	11/03/11	140.45	750.02	
11/04/11	138.30	771.23	165.88	725.32	11/04/11	211.00	750.60	
11/05/11	142.86	796.40	169.41	741.36	11/05/11	176.92	773.23	
11/06/11	136.17	768.11	165.59	740.54	11/06/11	130.85	743.30	
11/07/11	140.50	785.24	168.93	747.08	11/07/11	134.27	755.50	
11/08/11	129.90	736.01	158.25	701.07	11/08/11	122.72	727.90	
11/09/11	125.45	716.21	153.26	684.72	11/09/11	113.05	706.86	
11/10/11	141.19	793.09	128.85	622.25	11/10/11	062.27	585.68	
11/11/11	148.29	826.36	098.28	470.88	11/11/11	000.00	427.66	
11/12/11	082.46	454.29	099.13	517.42	11/12/11	000.00	425.67	
11/13/11	099.44	540.92	157.22	627.29	11/13/11	115.52	711.30	
11/14/11	141.69	784.86	168.71	705.94	11/14/11	139.08	769.44	
11/15/11	154.00	848.00	179.00	672.00	11/15/11	146.58	832.00	
11/16/11	113.08	652.00	143.00	670.00	11/16/11	140.92	635.00	
11/17/11	155.00	850.00	180.92	638.00	11/17/11	174.25	835.00	
11/18/11	151.08	834.00	177.00	630.00	11/18/11	174.75	820.00	
11/19/11	152.00	841.00	179.00	706.00	11/19/11	249.33	830.00	
11/20/11	083.25	655.08	140.25	728.00	11/20/11	065.08	635.08	
11/21/11	152.08	849.00	180.00	694.08	11/21/11	152.17	836.08	

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
11/22/11	101.00	618.92	137.00	684.00	11/22/11	084.75	602.08
11/23/11	147.00	851.00	180.00	689.00	11/23/11	145.92	838.92
11/24/11	136.00	777.00	167.00	706.00	11/24/11	189.58	768.00
11/25/11	089.00	560.00	120.08	740.00	11/25/11	038.33	543.00
11/26/11	136.00	785.00	166.92	683.00	11/26/11	131.08	770.00
11/27/11	119.00	710.00	151.00	641.00	11/27/11	104.92	695.00
11/28/11	136.92	786.00	166.00	679.00	11/28/11	130.92	771.00
11/29/11	105.00	611.92	132.00	697.08	11/29/11	066.92	593.08
11/30/11	153.00	851.00	177.00	682.00	11/30/11	147.75	834.00
12/01/11	126.00	726.92	154.00	718.00	12/01/11	115.92	708.00
12/02/11	122.08	786.00	161.00	563.00	12/02/11	130.00	769.00
12/03/11	139.00	858.00	174.00	595.00	12/03/11	145.00	837.00
12/04/11	129.00	757.92	157.00	604.00	12/04/11	118.92	740.92
12/05/11	126.00	790.00	161.00	638.00	12/05/11	129.17	769.00
12/06/11	653.00	780.00	157.00	773.92	12/06/11	129.08	1063.0
12/07/11	082.00	558.00	107.00	588.00	12/07/11	000.00	535.00
12/08/11	146.08	834.00	170.08	617.00	12/08/11	132.92	792.00
12/09/11	095.92	581.00	119.00	646.00	12/09/11	000.58	541.00
12/10/11	146.00	839.92	170.08	655.00	12/10/11	145.00	824.00
12/11/11	138.92	809.00	166.00	653.00	12/11/11	138.08	800.00
12/12/11	145.00	839.00	171.00	723.00	12/12/11	146.08	832.00
12/13/11	133.92	783.00	162.92	749.00	12/13/11	133.00	784.00
12/14/11	111.00	689.00	141.00	777.00	12/14/11	097.17	671.08
12/15/11	146.00	862.00	173.92	724.00	12/15/11	149.08	847.00
12/16/11	146.00	858.00	172.92	728.00	12/16/11	146.08	842.00
12/17/11	143.00	845.00	170.00	738.00	12/17/11	141.92	828.00
12/18/11	144.08	856.00	172.08	802.00	12/18/11	152.92	856.00
12/19/11	140.00	834.00	179.00	807.00	12/19/11	151.17	859.00
12/20/11	151.08	897.92	178.08	716.00	12/20/11	121.92	739.00
12/21/11	142.92	851.00	168.08	763.00	12/21/11	147.08	841.00
12/22/11	142.08	724.67	145.00	701.00	12/22/11	110.58	710.67
12/23/11	119.00	732.00	141.00	676.08	12/23/11	112.92	716.00
12/24/11	107.00	668.00	127.00	614.00	12/24/11	089.17	651.00
12/25/11	107.00	667.00	168.00	634.00	12/25/11	139.08	820.00
12/26/11	153.00	792.92	160.00	814.83	12/26/11	126.83	774.92
12/27/11	138.92	826.00	165.00	637.00	12/27/11	000.00	745.08
12/28/11	148.00	873.92	174.00	645.00	12/28/11	151.75	855.00
12/29/11	139.00	828.00	168.00	703.00	12/29/11	112.92	723.08
12/30/11	091.00	619.08	124.08	749.00	12/30/11	061.17	601.08
12/31/11	114.00	718.00	145.92	778.00	12/31/11	105.25	703.08
01/01/12	139.92	857.92	172.92	737.08	01/01/12	073.33	851.00
01/02/12	128.00	804.00	166.00	712.00	01/02/12	146.83	841.00
01/03/12	141.00	870.00	173.00	706.00	01/03/12	141.92	822.00
01/04/12	136.00	845.00	170.00	721.00	01/04/12	144.92	832.00
01/05/12	139.00	861.92	172.92	751.08	01/05/12	147.00	848.92
01/06/12	102.00	723.08	146.00	734.00	01/06/12	090.08	708.00
01/07/12	129.00	811.00	162.00	726.00	01/07/12	123.00	798.00
01/08/12	131.00	802.00	161.00	743.00	01/08/12	137.08	788.00
01/09/12	127.08	808.00	162.00	755.00	01/09/12	012.75	793.00
01/10/12	100.00	661.00	131.92	706.00	01/10/12	000.00	636.00
01/11/12	104.00	681.08	137.00	729.08	01/11/12	102.17	665.00
01/12/12	117.00	759.08	152.00	692.00	01/12/12	127.25	743.00
01/13/12	101.00	669.00	134.00	679.08	01/13/12	090.00	651.00

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

WDW-1			WDW-2		WDW-3		
Date	Rate	Pres	Rate	Pres	Date	Rate	Pres
01/14/12	128.00	812.00	162.00	707.00	01/14/12	128.83	797.00
01/15/12	085.83	697.25	138.00	710.00	01/15/12	094.25	679.17
01/16/12	117.00	753.08	152.00	740.00	01/16/12	106.75	737.00
01/17/12	131.00	804.92	162.00	714.08	01/17/12	135.17	788.92
01/18/12	123.08	796.00	159.00	635.00	01/18/12	131.00	780.00
01/19/12	127.00	811.00	161.00	691.92	01/19/12	155.25	793.00
01/20/12	129.00	807.00	161.00	670.00	01/20/12	133.83	787.00
01/21/12	126.00	810.00	162.92	679.00	01/21/12	041.25	786.00
01/22/12	101.08	671.08	135.00	692.00	01/22/12	115.50	644.92
01/23/12	096.00	646.00	128.92	614.00	01/23/12	134.50	617.00
01/24/12	097.00	646.00	129.92	625.00	01/24/12	211.83	618.00
01/25/12	079.00	489.00	094.00	516.00	01/25/12	052.75	678.00
01/26/12	079.00	488.00	093.00	459.00	01/26/12	000.00	461.00
01/27/12	079.00	487.00	094.00	485.00	01/27/12	000.00	459.00
01/28/12	128.00	802.00	162.00	603.00	01/28/12	134.00	788.00
01/29/12	130.00	798.00	161.00	586.00	01/29/12	131.00	783.00

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1		WDW-2		WDW-3	
	Rate	Pres	Rate	Pres	Rate	Pres
1/30/2012	126	791	159	698	130	776
1/31/2012	124	786	158	751	130	771
2/1/2012	118	744	149	727	110	727
2/2/2012	119	752	150	719	112	732
2/3/2012	120	757	151	671	118	738
2/4/2012	122	776	155	661	124	760
2/5/2012	125	795	158	683	129	779
2/6/2012	123	784	155	687	125	765
2/7/2012	117	741	145	669	103	719
2/8/2012	124	793	157	684	126	776
2/9/2012	125	795	157	726	126	775
2/10/2012	124	791	156	744	127	773
2/11/2012	124	801	157	711	129	783
2/12/2012	123	798	156	675	128	781
2/13/2012	124	797	156	747	127	779
2/14/2012	118	768	149	762	117	749
2/15/2012	114	750	146	734	111	731
2/16/2012	113	748	147	713	110	729
2/17/2012	114	746	146	694	106	724
2/18/2012	118	778	153	706	119	758
2/19/2012	115	762	150	736	115	742
2/20/2012	109	721	142	726	101	702
2/21/2012	113	741	142	724	95	701
2/22/2012	116	760	149	739	112	734
2/23/2012	117	775	152	746	117	764
2/24/2012	118	792	154	679	125	785
2/25/2012	118	787	153	709	126	778
2/26/2012	118	790	154	767	127	781
2/27/2012	115	770	150	726	102	761
2/28/2012	117	775	150	747	114	764
2/29/2012	119	794	154	742	123	784
3/1/2012	119	794	153	761	120	777
3/2/2012	117	783	152	701	122	773
3/3/2012	118	790	152	685	123	780
3/4/2012	118	789	152	748	121	774
3/5/2012	118	789	153	756	125	778
3/6/2012	120	801	155	772	132	791
3/7/2012	115	772	149	767	120	761
3/8/2012	117	789	152	655	126	780
3/9/2012	119	805	154	649	127	793
3/10/2012	118	803	154	670	126	794
3/11/2012	124	833	160	760	136	820
3/12/2012	128	850	160	813	139	822
3/13/2012	125	832	160	811	141	814
3/14/2012	127	847	162	806	143	830
3/15/2012	129	859	165	790	146	843
3/16/2012	129	862	164	796	150	845
3/17/2012	128	849	162	804	169	833

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
Artesia, New Mexico

3/18/2012	128	858	162	785	158	842
3/19/2012	121	813	155	693	129	798
3/20/2012	119	812	154	675	113	796
3/21/2012	115	788	149	731	99	770
3/22/2012	109	753	143	774	105	733
3/23/2012	100	695	131	733	85	675
3/24/2012	110	757	143	737	98	737
3/25/2012	122	827	157	760	131	808
3/26/2012	110	761	144	734	110	741
3/27/2012	118	809	153	736	120	790
3/28/2012	106	738	139	719	122	718
3/29/2012	103	718	136	675	95	697
3/30/2012	112	768	145	683	107	748
3/31/2012	118	807	153	712	122	789
4/1/2012	116	797	151	722	113	778
4/2/2012	113	791	148	671	113	771
4/3/2012	116	802	150	657	123	782
4/4/2012	120	828	155	729	120	808
4/5/2012	113	774	144	791	104	751
4/6/2012	114	795	154	747	124	798
4/7/2012	116	811	154	736	124	804
4/8/2012	119	831	158	744	127	812
4/9/2012	116	816	155	762	106	796
4/10/2012	118	828	157	780	110	809
4/11/2012	114	804	152	770	112	784
4/12/2012	102	738	138	754	92	719
4/13/2012	102	734	137	745	88	714
4/14/2012	102	735	138	723	99	715
4/15/2012	97	702	131	673	76	683
4/16/2012	101	730	137	687	91	711
4/17/2012	101	724	136	705	93	705
4/18/2012	107	758	144	742	107	739
4/19/2012	100	702	133	725	86	681
4/20/2012	115	801	153	707	124	786
4/21/2012	116	808	155	756	127	797
4/22/2012	102	726	138	759	99	711
4/23/2012	106	751	143	711	105	736
4/24/2012	112	789	151	762	120	777
4/25/2012	110	764	145	775	104	747
4/26/2012	115	803	154	733	125	795
4/27/2012	119	829	158	735	111	813
4/28/2012	120	836	158	746	115	815
4/29/2012	120	837	158	753	140	807
4/30/2012	117	820	153	780	123	793
5/1/2012	120	835	153	780	117	806
5/2/2012	117	823	155	773	119	793
5/3/2012	118	825	155	769	122	797
5/4/2012	120	839	153	785	121	811
5/5/2012	121	846	159	782	132	821
5/6/2012	121	849	159	800	125	825

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
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5/7/2012	120	847	159	747	119	823
5/8/2012	119	840	157	699	116	818
5/9/2012	119	841	157	733	115	815
5/10/2012	117	833	155	691	114	808
5/11/2012	119	842	157	729	117	816
5/12/2012	126	877	164	774	133	850
5/13/2012	124	869	163	767	140	850
5/14/2012	127	889	166	723	161	872
5/15/2012	127	889	167	789	142	871
5/16/2012	122	855	161	835	132	838
5/17/2012	125	872	164	869	137	855
5/18/2012	126	874	164	890	140	858
5/19/2012	127	889	168	870	134	872
5/20/2012	125	876	164	840	137	859
5/21/2012	129	903	170	846	138	886
5/22/2012	123	872	163	865	133	855
5/23/2012	122	860	160	850	131	843
5/24/2012	93	662	114	744	26	608
5/25/2012	100	695	109	603	25	580
5/26/2012	127	882	164	688	140	858
5/27/2012	123	867	162	751	139	855
5/28/2012	124	874	162	782	144	863
5/29/2012	121	859	159	803	138	846
5/30/2012	119	847	157	813	128	837
5/31/2012	122	866	150	744	159	849
6/1/2012	120	854	159	768	133	835
6/2/2012	120	855	158	817	133	832
6/3/2012	118	843	156	828	130	824
6/4/2012	120	852	157	786	130	830
6/5/2012	116	834	154	773	126	813
6/6/2012	119	843	155	787	127	820
6/7/2012	121	862	160	788	136	840
6/8/2012	119	852	157	778	132	830
6/9/2012	117	840	155	812	128	818
6/10/2012	118	846	156	798	130	824
6/11/2012	118	843	156	805	128	821
6/12/2012	118	847	156	783	130	825
6/13/2012	119	859	157	770	132	836
6/14/2012	119	863	158	835	133	839
6/15/2012	114	825	149	794	112	798
6/16/2012	119	863	157	759	132	841
6/17/2012	120	872	159	793	135	849
6/18/2012	120	868	158	855	135	849
6/19/2012	119	863	158	828	134	843
6/20/2012	121	874	160	812	136	851
6/21/2012	118	864	157	797	131	839
6/22/2012	119	866	158	805	132	841
6/23/2012	120	876	159	812	134	850
6/24/2012	120	878	160	824	134	852
6/25/2012	118	867	157	837	131	841

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
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6/26/2012	120	877	159	842	133	849
6/27/2012	119	870	158	849	131	842
6/28/2012	120	878	159	835	128	831
6/29/2012	118	873	158	833	129	839
6/30/2012	118	871	157	829	133	855
7/1/2012	118	871	157	802	132	855
7/2/2012	118	870	157	797	132	854
7/3/2012	118	875	158	802	133	859
7/4/2012	118	872	157	818	133	857
7/5/2012	118	874	157	797	131	858
7/6/2012	118	877	155	801	117	861
7/7/2012	118	871	154	863	128	856
7/8/2012	118	872	157	871	132	856
7/9/2012	118	873	157	821	132	858
7/10/2012	118	877	157	745	133	862
7/11/2012	114	856	153	788	127	841
7/12/2012	113	741	153	813	125	837
7/13/2012	149	850	132	721	126	839
7/14/2012	146	844	158	712	75	684
7/15/2012	146	842	157	755	127	823
7/16/2012	140	821	152	772	121	798
7/17/2012	144	839	155	761	125	813
7/18/2012	127	777	141	734	100	752
7/19/2012	138	816	154	708	121	800
7/20/2012	136	814	152	735	120	798
7/21/2012	138	824	155	746	124	808
7/22/2012	138	820	155	769	121	804
7/23/2012	132	802	150	769	114	786
7/24/2012	132	803	150	753	114	786
7/25/2012	139	827	156	777	123	810
7/26/2012	132	803	150	783	112	786
7/27/2012	137	823	154	745	119	806
7/28/2012	140	811	150	805	110	793
7/29/2012	144	829	152	835	106	800
7/30/2012	143	833	150	818	114	795
7/31/2012	141	837	156	800	101	822
8/1/2012	138	829	155	806	99	805
8/2/2012	139	833	156	798	132	809
8/3/2012	131	807	151	765	118	785
8/4/2012	130	805	140	772	164	783
8/5/2012	135	825	154	771	153	802
8/6/2012	131	811	117	792	234	787
8/7/2012	133	821	144	784	349	795
8/8/2012	132	820	153	774	275	809
8/9/2012	131	810	151	778	249	800
8/10/2012	129	806	150	778	125	796
8/11/2012	133	821	153	778	135	812
8/12/2012	129	810	151	785	187	801
8/13/2012	126	800	148	737	181	790
8/14/2012	130	814	152	764	215	805

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
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8/15/2012	127	800	149	782	193	790
8/16/2012	133	824	154	778	170	815
8/17/2012	128	809	150	737	114	799
8/18/2012	133	829	154	763	116	819
8/19/2012	127	799	146	764	98	786
8/20/2012	131	821	153	787	121	812
8/21/2012	131	821	151	797	121	811
8/22/2012	130	818	152	781	120	809
8/23/2012	129	818	151	768	119	808
8/24/2012	131	823	143	795	123	815
8/25/2012	132	828	155	820	98	820
8/26/2012	129	819	150	791	124	811
8/27/2012	130	822	152	790	147	814
8/28/2012	129	824	150	783	114	809
8/29/2012	136	850	155	789	128	830
8/30/2012	131	830	151	785	118	810
8/31/2012	134	843	154	791	149	822
9/1/2012	135	851	155	808	145	828
9/2/2012	135	852	154	826	173	836
9/3/2012	136	854	154	830	212	834
9/4/2012	134	849	156	811	123	827
9/5/2012	134	850	155	795	118	833
9/6/2012	137	865	158	804	129	854
9/7/2012	137	866	158	818	129	854
9/8/2012	137	864	157	708	124	853
9/9/2012	131	843	152	744	114	830
9/10/2012	130	834	151	810	107	820
9/11/2012	123	811	146	804	112	797
9/12/2012	119	792	142	784	91	778
9/13/2012	123	810	145	661	99	796
9/14/2012	120	796	142	709	94	780
9/15/2012	109	745	130	726	104	727
9/16/2012	127	824	149	752	142	808
9/17/2012	113	764	136	768	84	745
9/18/2012	123	808	146	735	102	796
9/19/2012	123	806	145	773	112	794
9/20/2012	128	824	124	763	67	697
9/21/2012	132	842	99	633	23	582
9/22/2012	81	611	99	609	30	581
9/23/2012	107	721	118	594	66	679
9/24/2012	132	842	154	689	127	826
9/25/2012	130	838	153	732	124	823
9/26/2012	131	844	154	758	125	828
9/27/2012	128	835	151	744	121	820
9/28/2012	130	845	153	719	126	830
9/29/2012	132	852	154	747	128	837
9/30/2012	131	853	154	794	125	838
10/1/2012	131	851	153	813	125	835
10/2/2012	126	837	150	828	119	822
10/3/2012	131	853	154	860	125	837

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
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10/4/2012	128	845	151	788	121	830
10/5/2012	129	853	153	797	124	837
10/6/2012	130	856	153	739	124	840
10/7/2012	129	857	153	727	123	841
10/8/2012	114	795	139	755	97	778
10/9/2012	129	850	152	842	121	834
10/10/2012	130	857	153	785	123	842
10/11/2012	129	855	152	845	122	838
10/12/2012	129	858	153	851	123	841
10/13/2012	128	858	152	815	120	840
10/14/2012	125	848	149	796	115	831
10/15/2012	127	859	151	801	119	841
10/16/2012	124	848	149	842	115	830
10/17/2012	126	858	151	835	118	839
10/18/2012	124	853	149	788	114	833
10/19/2012	120	837	145	793	106	811
10/20/2012	114	815	141	809	97	783
10/21/2012	121	838	146	819	103	799
10/22/2012	114	811	141	801	101	791
10/23/2012	110	795	137	784	89	782
10/24/2012	117	818	141	768	101	802
10/25/2012	116	824	142	749	108	808
10/26/2012	113	812	139	685	99	790
10/27/2012	114	816	140	679	98	793
10/28/2012	118	832	144	715	108	807
10/29/2012	118	831	143	776	106	805
10/30/2012	120	839	143	803	104	803
10/31/2012	101	756	140	803	66	727
11/1/2012	77	634	158	808	0	605
11/2/2012	77	632	112	775	0	603
11/3/2012	84	660	101	590	16	633
11/4/2012	122	846	150	711	107	832
11/5/2012	126	860	153	726	123	846
11/6/2012	136	896	161	784	130	882
11/7/2012	133	885	157	803	126	867
11/8/2012	135	895	159	830	117	876
11/9/2012	129	864	152	843	114	842
11/10/2012	136	899	160	819	132	878
11/11/2012	131	884	156	727	127	863
11/12/2012	126	867	152	734	116	843
11/13/2012	132	890	156	765	120	863
11/14/2012	131	889	156	786	127	858
11/15/2012	133	899	158	815	129	872
11/16/2012	132	896	157	834	134	882
11/17/2012	132	897	157	847	123	883
11/18/2012	132	898	158	846	137	884
11/19/2012	130	894	157	876	143	880
11/20/2012	128	893	155	855	129	879
11/21/2012	122	869	150	880	134	855
11/22/2012	99	758	124	867	142	846

Historical Injection Rates and Surface Injection Pressures
Navajo Refining Company, L.L.C.
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11/23/2012	76	638	97	597	134	795
11/24/2012	76	637	97	580	1	606
11/25/2012	115	821	142	730	72	745
11/26/2012	126	882	155	775	127	871
11/27/2012	127	888	156	727	127	877
11/28/2012	133	912	161	810	136	901
11/29/2012	129	896	157	832	131	886
11/30/2012	124	882	154	849	125	872
12/1/2012	118	859	150	854	119	849
12/2/2012	118	860	150	823	120	850
12/3/2012	122	874	153	843	125	865
12/4/2012	117	855	148	779	114	844
12/5/2012	117	855	149	790	118	846
12/6/2012	124	881	154	844	126	872
12/7/2012	119	867	151	814	121	858
12/8/2012	115	855	148	817	116	846
12/9/2012	112	846	145	770	114	836
12/10/2012	114	816	160	723	99	808
12/11/2012	122	799	134	706	92	789
12/12/2012	119	812	137	760	98	803
12/13/2012	126	850	145	802	114	843
12/14/2012	124	847	144	787	112	839
12/15/2012	127	864	148	793	117	857
12/16/2012	128	868	149	807	115	860
12/17/2012	127	857	146	824	112	849
12/18/2012	127	861	146	852	117	854
12/19/2012	123	847	143	808	113	841
12/20/2012	125	852	143	749	110	844
12/21/2012	129	812	131	742	84	787
12/22/2012	138	836	142	758	101	821
12/23/2012	140	852	145	819	108	838
12/24/2012	140	860	146	807	111	845
12/25/2012	134	877	149	735	117	863
12/26/2012	109	876	148	727	114	860
12/27/2012	151	880	148	778	115	860
12/28/2012	141	853	139	772	106	836
12/29/2012	120	852	152	768	103	836
12/30/2012	142	864	142	775	108	846
12/31/2012	141	852	139	800	96	831
1/1/2013		879		803		855

Historical Volume Data
Navajo Refining Company, L.L.C.
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Date	WDW-1	WDW-2	WDW-3
mm/dd/yy	(gallons)	(gallons)	(gallons)
10/1 to 10/20	3,499,177	3,988,598	4,806,153
10/21/10	184,375	197,947	268,727
10/22/10	179,851	202,470	274,698
10/23/10	184,375	202,470	268,727
10/24/10	184,375	206,838	256,157
10/25/10	179,851	202,470	268,727
10/26/10	179,851	198,173	275,012
10/27/10	184,375	206,838	268,727
10/28/10	206,838	143,973	312,192
10/29/10	202,470	134,925	299,936
10/30/10	184,375	197,947	268,727
10/31/10	199,098	197,947	268,727
10/31/10	179,851	193,423	262,756
11/01/10	184,375	197,947	262,442
11/02/10	180,078	197,947	262,442
11/03/10	184,149	197,947	275,012
11/04/10	184,375	193,649	268,727
11/05/10	184,375	193,423	268,727
11/06/10	179,851	197,947	268,727
11/07/10	184,375	197,947	275,012
11/08/10	180,078	197,947	262,442
11/09/10	179,633	197,947	274,698
11/10/10	103,415	143,973	287,366
11/11/10	107,938	134,925	000,000
11/12/10	107,938	134,925	000,000
11/13/10	175,484	197,947	274,698
11/14/10	184,375	197,947	262,442
11/15/10	184,375	197,947	262,128
11/16/10	184,375	197,947	268,727
11/17/10	179,851	197,947	268,727
11/18/10	184,375	197,947	268,727
11/19/10	179,851	197,947	275,012
11/20/10	184,149	197,947	268,727
11/21/10	184,375	197,947	269,041
11/22/10	184,375	193,423	262,442
11/23/10	175,484	197,947	256,157
11/24/10	179,851	193,423	262,442
11/25/10	179,851	193,423	256,157
11/26/10	175,484	197,947	256,157
11/27/10	170,960	193,423	262,442
11/28/10	170,960	193,423	256,157
11/29/10	170,960	193,423	262,442
11/30/10	170,960	193,423	249,872
12/01/10	166,436	193,423	256,471
12/02/10	170,960	188,899	256,157
12/03/10	103,415	139,449	000,000
12/04/10	170,960	193,423	275,012
12/05/10	148,497	197,947	268,727
12/06/10	170,960	193,423	275,012
12/07/10	170,960	188,899	268,727

Historical Volume Data
Navajo Refining Company, L.L.C.
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Date	WDW-1	WDW-2	WDW-3
mm/dd/yy	(gallons)	(gallons)	(gallons)
12/08/10	170,960	193,423	274,698
12/09/10	170,960	193,423	275,012
12/10/10	170,960	188,899	262,442
12/11/10	175,484	202,470	262,442
12/12/10	170,960	197,947	256,157
12/13/10	170,960	193,423	268,727
12/14/10	175,484	175,484	268,727
12/15/10	164,405	193,423	262,442
12/16/10	152,864	193,423	243,804
12/17/10	157,388	197,947	249,872
12/18/10	207,064	152,864	000,000
12/19/10	99,047	152,864	000,000
12/20/10	103,415	148,715	000,000
12/21/10	175,257	197,947	280,983
12/22/10	170,960	202,470	268,727
12/23/10	166,436	202,470	275,012
12/24/10	166,210	202,470	269,041
12/25/10	170,960	193,423	275,012
12/26/10	170,960	202,470	275,012
12/27/10	170,960	202,470	269,041
12/28/10	161,912	202,470	274,698
12/29/10	170,688	202,470	281,297
12/30/10	168,637	202,470	275,012
12/31/10	166,436	197,947	275,012
01/01/11	000,000	202,470	262,442
01/02/11	170,960	202,470	262,442
01/03/11	170,960	197,947	268,727
01/04/11	170,960	197,947	275,012
01/05/11	170,960	202,470	275,012
01/06/11	179,851	202,470	275,012
01/07/11	175,484	202,470	281,297
01/08/11	170,960	202,470	262,442
01/09/11	170,960	202,470	281,297
01/10/11	170,734	202,470	281,297
01/11/11	161,912	197,947	280,983
01/12/11	152,864	202,470	275,012
01/13/11	166,436	197,947	268,727
01/14/11	166,436	197,947	275,012
01/15/11	166,436	197,947	275,012
01/16/11	167,423	193,423	274,698
01/17/11	166,436	202,470	268,727
01/18/11	165,539	206,838	275,012
01/19/11	166,436	197,947	275,012
01/20/11	166,436	197,947	275,012
01/21/11	161,912	198,173	268,727
01/22/11	161,912	197,947	275,012
01/23/11	161,912	197,947	268,727
01/24/11	161,912	197,947	275,012
01/25/11	161,912	193,649	268,727
01/26/11	99,047	148,497	000,000

**Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico**

Date mm/dd/yy	WDW-1 (gallons)	WDW-2 (gallons)	WDW-3 (gallons)
01/27/11	166,436	202,470	249,872
01/28/11	161,912	198,391	275,012
01/29/11	161,912	202,470	268,727
01/30/11	161,912	202,470	281,297
01/31/11	157,388	197,947	275,012
02/01/11	917,389	917,389	000,000
02/02/11	759,992	000,000	1,274,552
02/03/11	445,197	917,389	24,185
02/04/11	196,597	197,947	255,843
02/05/11	107,938	148,497	000,000
02/06/11	103,415	143,973	000,000
02/07/11	86,598	202,470	281,297
02/08/11	157,388	143,973	290,183
02/09/11	251,920	188,899	206,614
02/10/11	107,041	148,270	000,000
02/11/11	202,470	143,973	168,817
02/12/11	161,912	197,947	143,676
02/13/11	206,838	229,457	187,141
02/14/11	197,947	229,457	193,740
02/15/11	215,886	233,825	218,663
02/16/11	193,423	242,873	231,234
02/17/11	206,838	229,676	237,519
02/18/11	215,886	238,349	212,378
02/19/11	211,362	229,457	249,569
02/20/11	229,996	224,934	218,663
02/21/11	220,410	224,934	231,234
02/22/11	107,938	143,973	000,000
02/23/11	211,362	224,934	237,519
02/24/11	140,251	143,973	000,000
02/25/11	242,873	247,397	287,366
02/26/11	107,938	143,973	000,000
02/27/11	238,349	251,920	281,297
02/28/11	233,825	256,444	275,012
03/01/11	242,873	251,920	268,727
03/02/11	242,873	247,397	281,297
03/03/11	179,851	265,336	306,221
03/04/11	202,470	206,838	187,455
03/05/11	188,899	143,973	000,000
03/06/11	310,262	143,973	249,872
03/07/11	202,470	143,973	000,000
03/08/11	296,620	215,886	6,272
03/09/11	305,894	215,886	193,740
03/10/11	301,815	211,362	200,025
03/11/11	337,249	193,423	149,961
03/12/11	152,646	143,973	000,000
03/13/11	314,786	193,423	187,455
03/14/11	319,310	206,838	200,025
03/15/11	319,310	211,362	181,170
03/16/11	292,323	229,457	249,872
03/17/11	170,960	224,934	231,862

Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1	WDW-2	WDW-3
mm/dd/yy	(gallons)	(gallons)	(gallons)
03/18/11	211,362	233,825	275,012
03/19/11	310,262	202,470	193,740
03/20/11	166,436	152,864	000,000
03/21/11	301,370	215,886	218,663
03/22/11	301,370	242,873	281,297
03/23/11	305,894	215,886	231,234
03/24/11	305,442	143,973	000,000
03/25/11	306,113	224,934	268,727
03/26/11	305,668	220,410	243,804
03/27/11	301,370	229,457	256,157
03/28/11	301,370	143,973	000,000
03/29/11	301,370	233,825	000,000
03/30/11	310,262	220,410	245,928
03/31/11	314,786	229,457	243,804
04/01/11	328,357	233,825	268,727
04/02/11	319,310	229,457	256,157
04/04/11	310,262	144,199	000,000
04/05/11	318,208	224,934	249,872
04/06/11	301,370	193,423	193,740
04/07/11	244,291	143,973	000,000
04/08/11	288,000	241,800	62,621
04/09/11	312,360	230,400	185,760
04/10/11	313,920	259,200	226,200
04/11/11	324,000	236,160	205,920
04/12/11	319,560	252,000	217,560
04/13/11	316,800	244,800	213,120
04/14/11	313,920	249,120	215,520
04/15/11	318,000	240,600	201,480
04/16/11	194,400	233,280	197,160
04/17/11	288,000	184,440	109,320
04/18/11	319,800	239,040	201,600
04/19/11	312,360	236,280	201,600
04/20/11	159,960	146,880	000,000
04/21/11	155,520	145,440	315,120
04/22/11	115,200	145,440	000,000
04/23/11	201,600	234,600	195,840
04/24/11	194,520	227,520	185,880
04/25/11	220,440	253,440	213,120
04/26/11	165,600	208,800	147,000
04/27/11	213,000	247,560	208,920
04/28/11	220,320	252,000	217,440
04/29/11	221,640	250,680	219,000
04/30/11	208,920	249,120	213,360
05/01/11	216,000	253,440	223,200
05/02/11	110,880	142,560	000,000
05/03/11	216,000	252,000	217,440
05/04/11	217,320	252,000	217,440
05/05/11	214,560	249,120	224,640
05/06/11	113,760	145,440	000,000
05/07/11	214,560	257,760	214,560

Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1	WDW-2	WDW-3
mm/dd/yy	(gallons)	(gallons)	(gallons)
05/08/11	210,120	250,560	208,800
05/09/11	211,680	254,760	219,000
05/10/11	217,560	253,440	214,560
05/11/11	201,600	237,600	201,600
05/12/11	220,440	249,120	214,320
05/13/11	214,560	253,440	219,000
05/14/11	208,920	236,160	204,360
05/15/11	211,680	246,240	226,080
05/16/11	217,680	253,440	216,120
05/17/11	216,000	249,120	211,800
05/18/11	211,560	252,000	220,080
05/19/11	211,560	249,000	219,120
05/20/11	210,360	247,560	221,760
05/21/11	211,560	246,240	219,000
05/22/11	210,240	246,360	217,560
05/23/11	211,560	247,680	218,880
05/24/11	210,360	247,680	218,760
05/25/11	211,680	247,680	217,560
05/26/11	211,560	246,240	220,440
05/27/11	211,560	252,660	215,880
05/28/11	214,440	252,000	208,680
05/29/11	208,800	247,680	213,360
05/30/11	207,360	247,680	214,800
05/31/11	205,800	246,240	213,120
06/01/11	207,360	246,360	214,680
06/02/11	208,800	246,360	213,000
06/03/11	208,920	244,800	218,880
06/04/11	236,040	257,880	234,840
06/05/11	228,960	256,320	234,720
06/06/11	226,080	263,640	234,720
06/07/11	226,200	263,400	234,840
06/08/11	217,320	250,560	219,960
06/09/11	236,280	262,080	241,680
06/10/11	216,120	252,000	220,200
06/11/11	197,280	237,480	198,720
06/12/11	213,120	250,440	220,200
06/13/11	250,680	241,920	210,480
06/14/11	215,880	253,440	220,200
06/15/11	217,440	253,320	214,560
06/16/11	214,560	250,560	220,200
06/17/11	218,760	248,497	211,800
06/18/11	218,880	253,560	213,000
06/19/11	220,320	250,560	216,000
06/20/11	217,440	252,000	216,120
06/21/11	214,680	250,560	215,880
06/22/11	216,120	252,000	217,320
06/23/11	215,393	253,024	216,034
06/24/11	215,878	252,000	215,756
06/25/11	216,000	252,000	216,000
06/26/11	216,000	253,320	217,320

Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1	WDW-2	WDW-3
mm/dd/yy	(gallons)	(gallons)	(gallons)
06/27/11	213,120	253,440	213,120
06/28/11	118,080	146,880	000,000
06/29/11	217,320	250,560	211,800
06/30/11	118,080	146,880	000,000
07/01/11	228,960	146,880	224,520
07/02/11	213,120	250,560	214,320
07/03/11	116,640	146,880	000,000
07/04/11	214,560	250,560	214,560
07/05/11	215,880	250,440	213,120
07/06/11	116,640	145,440	000,000
07/07/11	188,520	228,960	172,800
07/08/11	214,560	250,560	214,440
07/09/11	213,120	249,120	213,120
07/10/11	211,680	247,680	211,680
07/11/11	211,680	246,360	211,800
07/12/11	210,120	246,360	210,360
07/13/11	210,120	244,800	213,240
07/14/11	208,800	240,360	213,360
07/15/11	115,200	145,440	000,000
07/16/11	210,240	249,000	208,920
07/17/11	260,880	238,920	196,920
07/18/11	210,240	247,680	203,040
07/19/11	115,200	146,880	000,000
07/20/11	208,680	249,000	210,240
07/21/11	210,360	249,240	203,040
07/22/11	213,120	249,240	200,400
07/23/11	208,800	246,240	208,800
07/24/11	208,680	246,360	210,360
07/25/11	210,120	246,240	205,920
07/26/11	210,360	246,240	201,480
07/27/11	208,920	242,160	207,360
07/28/11	208,920	246,120	210,120
07/29/11	253,800	238,920	193,080
07/30/11	115,200	144,120	000,000
07/31/11	210,240	243,360	205,800
08/01/11	208,800	246,120	207,240
08/02/11	115,200	146,880	000,000
08/03/11	205,920	247,680	207,360
08/04/11	205,920	244,800	205,920
08/05/11	207,360	246,240	210,120
08/06/11	202,920	247,560	210,480
08/07/11	245,880	237,240	187,680
08/08/11	205,920	243,480	209,880
08/09/11	205,800	243,360	208,680
08/10/11	205,920	243,360	210,000
08/11/11	205,920	243,360	210,120
08/12/11	205,920	241,800	208,920
08/13/11	205,920	241,920	208,560
08/14/11	205,920	242,040	204,720
08/15/11	113,760	145,440	000,000

Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1	WDW-2	WDW-3
mm/dd/yy	(gallons)	(gallons)	(gallons)
08/16/11	205,920	241,800	204,360
08/17/11	205,920	240,480	207,240
08/18/11	203,160	246,120	206,040
08/19/11	203,040	246,240	205,920
08/20/11	203,040	246,240	210,120
08/21/11	204,480	246,240	207,600
08/22/11	203,160	246,240	207,480
08/23/11	203,040	246,120	207,240
08/24/11	113,760	146,880	000,000
08/25/11	221,880	241,920	200,160
08/26/11	198,720	247,680	207,120
08/27/11	204,480	244,800	207,360
08/28/11	205,800	243,360	204,480
08/29/11	204,480	244,920	206,040
08/30/11	200,160	247,560	210,120
08/31/11	205,800	246,240	207,360
09/01/11	204,480	243,480	207,360
09/02/11	204,600	243,360	207,120
09/03/11	204,600	243,480	204,600
09/04/11	201,600	241,920	211,560
09/05/11	201,480	239,160	203,160
09/06/11	200,160	240,480	207,480
09/07/11	201,480	246,120	207,120
09/08/11	201,600	244,800	207,360
09/09/11	201,600	247,560	203,160
09/10/11	198,720	244,680	208,920
09/11/11	197,280	236,760	211,560
09/12/11	195,960	244,800	207,600
09/13/11	201,600	243,480	207,360
09/14/11	202,920	243,360	204,480
09/15/11	201,600	241,920	208,800
09/16/11	203,160	240,480	207,360
09/17/11	115,200	142,560	000,000
09/18/11	112,320	142,560	227,640
09/19/11	214,680	257,760	220,080
09/20/11	217,320	257,880	218,760
09/21/11	201,600	249,000	196,080
09/22/11	194,400	246,240	204,600
09/23/11	194,400	244,800	205,800
09/24/11	201,600	244,680	207,240
09/25/11	197,280	240,480	197,280
09/26/11	200,160	243,360	204,480
09/27/11	200,160	243,360	200,400
09/28/11	202,920	244,800	207,000
09/29/11	113,760	142,680	000,000
09/30/11	201,480	243,360	204,600
10/01/11	200,160	243,360	198,720
10/02/11	201,600	243,480	203,040
10/03/11	201,600	244,680	202,920
10/04/11	129,600	175,680	81,840

Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1	WDW-2	WDW-3
mm/dd/yy	(gallons)	(gallons)	(gallons)
10/05/11	201,720	243,360	200,400
10/06/11	113,640	175,680	84,960
10/07/11	198,720	240,480	205,920
10/08/11	110,880	169,920	52,200
10/09/11	171,360	223,320	175,680
10/10/11	192,960	241,920	201,720
10/11/11	191,640	239,040	203,160
10/12/11	198,840	244,680	194,640
10/13/11	198,720	243,360	196,080
10/14/11	198,720	243,360	198,720
10/15/11	198,840	243,360	197,400
10/16/11	198,840	244,800	193,080
10/17/11	200,160	243,360	194,280
10/18/11	198,600	241,800	201,480
10/19/11	198,720	239,160	193,080
10/20/11	113,760	234,360	000,000
10/21/11	115,725	221,606	000,000
10/22/11	115,884	125,811	1,527
10/23/11	199,076	159,871	188,316
10/24/11	197,292	210,368	196,700
10/25/11	194,417	207,669	188,939
10/26/11	202,331	213,160	199,053
10/27/11	195,050	208,104	188,929
10/28/11	201,723	212,208	199,075
10/29/11	195,958	206,802	180,336
10/30/11	202,531	210,250	194,254
10/30/11	195,951	206,783	181,617
10/31/11	209,583	212,593	202,767
11/01/11	207,571	208,914	201,288
11/02/11	207,145	212,189	205,037
11/03/11	199,564	209,370	202,249
11/04/11	199,148	209,011	303,835
11/05/11	205,724	213,453	254,761
11/06/11	196,086	208,637	188,429
11/07/11	202,324	212,850	193,350
11/08/11	187,053	199,393	176,717
11/09/11	180,646	193,110	162,786
11/10/11	203,307	162,353	89,670
11/11/11	213,536	000,000	000,000
11/12/11	000,000	000,000	000,000
11/13/11	000,000	198,099	166,344
11/14/11	204,033	212,579	196,439
11/15/11	221,760	225,540	211,080
11/16/11	162,840	180,180	202,920
11/17/11	223,200	227,955	250,920
11/18/11	217,560	223,020	251,640
11/19/11	218,880	225,540	359,040
11/20/11	119,880	176,715	93,720
11/21/11	219,000	226,800	219,120
11/22/11	145,440	172,620	122,040

Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1	WDW-2	WDW-3
mm/dd/yy	(gallons)	(gallons)	(gallons)
11/23/11	211,680	226,800	210,120
11/24/11	195,840	210,420	705,000
11/25/11	128,160	151,305	55,200
11/26/11	195,840	210,315	188,760
11/27/11	171,360	190,260	151,080
11/28/11	197,160	209,160	188,520
11/29/11	151,200	166,320	96,360
11/30/11	220,320	223,020	212,760
12/01/11	181,440	194,040	166,920
12/02/11	175,800	202,860	187,200
12/03/11	200,160	219,240	208,800
12/04/11	185,760	197,820	171,240
12/05/11	181,440	202,860	186,000
12/06/11	940,320	197,820	185,880
12/07/11	118,080	134,820	000,000
12/08/11	210,360	214,305	191,400
12/09/11	138,120	149,940	840
12/10/11	210,240	214,305	208,800
12/11/11	200,040	209,160	198,840
12/12/11	208,800	215,460	210,360
12/13/11	192,840	205,275	191,520
12/14/11	159,840	177,660	139,920
12/15/11	210,240	219,135	214,680
12/16/11	210,240	217,875	210,360
12/17/11	205,920	214,200	204,360
12/18/11	207,480	216,825	220,200
12/19/11	201,600	225,540	217,680
12/20/11	217,560	224,385	175,560
12/21/11	205,800	211,785	211,800
12/22/11	204,600	182,700	159,240
12/23/11	171,360	177,660	162,600
12/24/11	154,080	160,020	128,400
12/25/11	154,080	211,680	200,280
12/26/11	940,320	201,600	182,640
12/27/11	200,040	207,900	000,000
12/28/11	213,120	219,240	218,520
12/29/11	200,160	211,680	162,600
12/30/11	131,040	156,345	88,080
12/31/11	164,160	183,855	151,560
01/01/12	201,480	217,875	105,600
01/02/12	184,320	209,160	211,440
01/03/12	203,040	217,980	204,360
01/04/12	195,840	214,200	208,680
01/05/12	200,160	217,875	211,680
01/06/12	146,880	183,960	129,720
01/07/12	185,760	204,120	177,120
01/08/12	188,640	202,860	197,400
01/09/12	183,000	204,120	18,360
01/10/12	144,000	166,215	000,000
01/11/12	149,760	172,620	147,120

Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date mm/dd/yy	WDW-1 (gallons)	WDW-2 (gallons)	WDW-3 (gallons)	
01/12/12	168,480	191,520	183,240	
01/13/12	145,440	168,840	129,600	
01/14/12	184,320	204,120	185,520	
01/15/12	123,600	173,880	135,720	
01/16/12	168,480	191,520	153,720	
01/17/12	188,640	204,120	194,640	
01/18/12	177,240	200,340	188,640	
01/19/12	182,880	202,860	223,560	
01/20/12	185,760	202,860	192,720	
01/21/12	181,440	205,275	59,400	
01/22/12	145,560	170,100	166,320	
01/23/12	138,240	162,435	193,680	
01/24/12	139,680	163,695	305,040	
01/25/12	113,760	118,440	75,960	
01/26/12	113,760	117,180	000,000	
01/27/12	113,760	118,440	000,000	
01/28/12	184,320	204,120	192,960	
01/29/12	<u>187,200</u>	<u>202,860</u>	<u>188,640</u>	
				Total Volume
Sub Totals (above)	<u>97,707,317</u>	<u>104,096,353</u>	<u>97,505,713</u>	299,309,384
Total before 9/30/10	<u>1,326,473,337</u>	<u>732,996,868</u>	<u>257,757,772</u>	<u>2,317,227,977</u>
Total Volumes	<u>1,424,180,654</u>	<u>837,093,221</u>	<u>355,263,485</u>	<u>2,616,537,361</u>

Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date mm/dd/yy	WDW-1 (gallons)	WDW-2 (gallons)	WDW-3 (gallons)
1/30/2012	180,969	228,664	187,873
1/31/2012	178,386	227,137	187,656
2/1/2012	169,245	213,902	157,867
2/2/2012	170,734	215,316	160,641
2/3/2012	172,775	218,015	169,357
2/4/2012	175,167	223,070	178,470
2/5/2012	179,848	227,759	185,154
2/6/2012	177,105	223,806	179,450
2/7/2012	169,151	209,424	148,694
2/8/2012	178,746	225,828	181,373
2/9/2012	180,346	225,643	181,992
2/10/2012	177,849	225,100	183,023
2/11/2012	179,258	226,479	186,049
2/12/2012	177,629	224,798	183,624
2/13/2012	177,982	224,995	182,532
2/14/2012	170,179	215,056	167,918
2/15/2012	164,846	210,371	159,638
2/16/2012	163,022	212,168	158,787
2/17/2012	164,526	209,962	152,553
2/18/2012	170,636	219,746	171,681
2/19/2012	166,297	215,588	166,024
2/20/2012	157,018	204,829	145,449
2/21/2012	163,314	204,685	136,429
2/22/2012	167,670	214,362	161,850
2/23/2012	168,966	218,547	168,253
2/24/2012	169,699	221,582	179,316
2/25/2012	169,334	220,622	180,946
2/26/2012	170,451	221,287	182,404
2/27/2012	165,022	215,748	147,554
2/28/2012	168,679	216,717	164,778
2/29/2012	170,976	221,169	177,654
3/1/2012	170,724	220,329	172,290
3/2/2012	169,018	218,172	175,947
3/3/2012	169,289	219,472	177,012
3/4/2012	169,994	219,150	174,779
3/5/2012	170,148	219,985	180,213
3/6/2012	172,440	223,007	189,532
3/7/2012	165,302	214,740	172,287
3/8/2012	167,927	218,458	181,043
3/9/2012	171,738	222,112	182,893
3/10/2012	170,558	221,972	181,374
3/11/2012	178,956	229,991	196,096
3/12/2012	184,884	229,833	200,644
3/13/2012	179,295	230,104	202,403
3/14/2012	182,951	233,975	206,638
3/15/2012	186,400	237,600	209,556
3/16/2012	186,425	236,874	215,700

Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date mm/dd/yy	WDW-1 (gallons)	WDW-2 (gallons)	WDW-3 (gallons)
3/17/2012	183,649	233,420	243,428
3/18/2012	184,986	232,711	226,839
3/19/2012	173,795	222,695	185,338
3/20/2012	171,819	221,951	162,729
3/21/2012	166,007	215,212	142,903
3/22/2012	156,483	205,333	151,433
3/23/2012	143,935	189,189	123,033
3/24/2012	158,326	206,614	141,437
3/25/2012	175,176	225,593	188,166
3/26/2012	158,543	207,338	158,888
3/27/2012	169,998	220,556	172,878
3/28/2012	152,616	200,763	175,450
3/29/2012	148,547	195,182	137,066
3/30/2012	160,887	209,306	153,565
3/31/2012	169,517	220,740	176,068
4/1/2012	167,321	217,242	162,989
4/2/2012	163,419	213,799	163,412
4/3/2012	166,420	215,751	176,590
4/4/2012	172,388	223,036	172,145
4/5/2012	162,925	207,149	149,538
4/6/2012	164,583	221,214	177,959
4/7/2012	167,150	221,602	178,982
4/8/2012	171,933	227,473	183,214
4/9/2012	167,751	222,694	152,541
4/10/2012	170,598	226,103	159,029
4/11/2012	163,876	218,522	160,730
4/12/2012	147,469	199,289	132,549
4/13/2012	147,038	197,846	126,958
4/14/2012	147,353	198,751	142,141
4/15/2012	139,614	188,655	109,434
4/16/2012	145,663	197,005	130,359
4/17/2012	145,113	196,506	133,235
4/18/2012	154,749	207,986	154,727
4/19/2012	143,351	191,649	123,466
4/20/2012	164,882	219,874	178,522
4/21/2012	167,196	222,807	183,198
4/22/2012	147,467	199,081	142,677
4/23/2012	153,276	205,217	151,237
4/24/2012	161,936	216,815	172,262
4/25/2012	158,560	208,578	149,409
4/26/2012	165,184	221,659	179,779
4/27/2012	171,443	227,178	160,426
4/28/2012	172,741	227,102	164,958
4/29/2012	172,518	227,723	200,923
4/30/2012	168,684	221,029	177,799
5/1/2012	172,139	226,820	168,709
5/2/2012	169,104	222,898	170,643

Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date mm/dd/yy	WDW-1 (gallons)	WDW-2 (gallons)	WDW-3 (gallons)
5/3/2012	169,475	223,483	175,804
5/4/2012	172,326	227,005	174,827
5/5/2012	174,032	228,692	189,805
5/6/2012	174,181	228,390	179,676
5/7/2012	172,809	228,256	172,067
5/8/2012	170,681	226,284	166,658
5/9/2012	171,226	225,948	165,922
5/10/2012	168,666	222,820	164,377
5/11/2012	171,633	226,554	168,556
5/12/2012	180,869	236,381	191,270
5/13/2012	178,620	234,003	202,194
5/14/2012	183,521	239,046	231,665
5/15/2012	183,471	240,342	204,837
5/16/2012	175,653	231,628	189,638
5/17/2012	179,940	236,307	196,739
5/18/2012	181,070	236,019	200,901
5/19/2012	183,406	241,785	192,807
5/20/2012	180,171	236,568	197,904
5/21/2012	186,285	244,137	198,992
5/22/2012	177,830	234,512	192,164
5/23/2012	175,023	230,213	187,981
5/24/2012	133,826	163,584	37,354
5/25/2012	143,719	157,611	36,467
5/26/2012	182,596	235,659	201,696
5/27/2012	177,426	233,124	200,452
5/28/2012	178,818	233,239	207,250
5/29/2012	174,804	228,894	199,147
5/30/2012	171,694	225,890	184,697
5/31/2012	176,118	215,489	229,154
6/1/2012	173,006	228,498	191,945
6/2/2012	172,428	228,226	191,527
6/3/2012	170,473	224,984	187,549
6/4/2012	173,305	226,600	187,862
6/5/2012	167,713	221,560	180,728
6/6/2012	170,945	223,873	182,495
6/7/2012	174,311	229,803	195,935
6/8/2012	171,289	226,415	190,748
6/9/2012	168,428	223,315	183,845
6/10/2012	170,088	225,333	187,686
6/11/2012	169,432	223,948	184,755
6/12/2012	169,336	224,348	186,738
6/13/2012	171,196	226,674	189,795
6/14/2012	171,887	227,382	191,644
6/15/2012	164,658	214,469	160,641
6/16/2012	170,892	226,579	189,606
6/17/2012	173,293	229,403	194,008
6/18/2012	172,751	227,730	194,941

Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date	WDW-1	WDW-2	WDW-3
mm/dd/yy	(gallons)	(gallons)	(gallons)
6/19/2012	171,301	227,633	192,656
6/20/2012	173,798	229,840	195,835
6/21/2012	170,629	226,576	189,244
6/22/2012	170,994	227,122	189,728
6/23/2012	173,071	229,517	193,198
6/24/2012	173,242	229,726	192,952
6/25/2012	170,534	226,659	187,978
6/26/2012	172,670	229,290	191,806
6/27/2012	171,156	227,506	189,202
6/28/2012	172,395	228,803	183,871
6/29/2012	170,636	226,872	185,968
6/30/2012	169,852	226,049	191,315
7/1/2012	169,627	225,816	190,350
7/2/2012	169,422	225,777	190,464
7/3/2012	170,120	227,122	192,154
7/4/2012	169,463	226,467	190,803
7/5/2012	169,311	225,899	188,133
7/6/2012	169,975	222,908	168,173
7/7/2012	169,230	221,335	184,839
7/8/2012	169,395	225,897	189,463
7/9/2012	169,395	225,595	189,590
7/10/2012	169,212	226,764	191,589
7/11/2012	164,647	221,006	182,293
7/12/2012	163,436	220,118	180,090
7/13/2012	214,398	189,803	180,972
7/14/2012	210,720	228,017	107,370
7/15/2012	209,761	226,182	183,408
7/16/2012	201,850	218,750	174,310
7/17/2012	207,660	223,624	180,691
7/18/2012	183,591	203,448	143,745
7/19/2012	198,261	221,892	174,694
7/20/2012	196,280	219,407	172,104
7/21/2012	199,389	223,769	177,854
7/22/2012	198,139	222,576	174,374
7/23/2012	190,344	216,456	164,299
7/24/2012	190,768	216,494	164,167
7/25/2012	200,214	224,221	176,652
7/26/2012	190,251	216,455	161,685
7/27/2012	197,093	221,363	171,783
7/28/2012	201,163	216,691	158,665
7/29/2012	207,501	218,592	152,430
7/30/2012	205,423	216,235	163,643
7/31/2012	203,345	225,318	145,577
8/1/2012	198,438	223,825	142,192
8/2/2012	199,518	224,178	189,577
8/3/2012	188,944	217,808	169,383
8/4/2012	187,632	201,948	236,092

Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico

Date mm/dd/yy	WDW-1 (gallons)	WDW-2 (gallons)	WDW-3 (gallons)
8/5/2012	194,761	221,741	220,906
8/6/2012	188,254	168,134	336,253
8/7/2012	191,879	207,014	502,706
8/8/2012	190,558	219,671	396,026
8/9/2012	188,275	216,922	358,503
8/10/2012	185,980	215,629	179,533
8/11/2012	191,421	220,339	194,356
8/12/2012	186,183	217,171	269,491
8/13/2012	181,996	213,389	260,818
8/14/2012	187,843	218,648	309,321
8/15/2012	182,278	213,966	278,613
8/16/2012	191,085	221,433	245,450
8/17/2012	184,335	215,347	164,854
8/18/2012	191,700	221,525	167,168
8/19/2012	182,679	210,471	140,617
8/20/2012	188,823	219,601	173,649
8/21/2012	189,065	217,745	174,705
8/22/2012	187,273	218,555	172,534
8/23/2012	186,416	217,632	170,899
8/24/2012	188,681	205,583	177,208
8/25/2012	190,304	223,095	141,577
8/26/2012	186,205	216,271	177,984
8/27/2012	186,960	219,378	211,880
8/28/2012	186,166	216,253	164,634
8/29/2012	196,259	223,544	184,882
8/30/2012	188,254	217,416	169,328
8/31/2012	192,726	221,178	214,109
9/1/2012	194,629	223,031	208,836
9/2/2012	194,771	222,261	248,623
9/3/2012	195,328	221,285	305,680
9/4/2012	192,926	224,642	177,391
9/5/2012	192,456	223,914	169,237
9/6/2012	197,321	227,893	185,409
9/7/2012	197,726	227,332	186,293
9/8/2012	196,598	225,845	178,978
9/9/2012	188,723	219,251	163,740
9/10/2012	187,181	216,862	154,724
9/11/2012	177,607	210,653	161,103
9/12/2012	170,786	204,756	131,110
9/13/2012	176,568	208,217	143,138
9/14/2012	172,686	204,184	135,326
9/15/2012	156,382	187,668	150,058
9/16/2012	182,781	213,962	203,799
9/17/2012	162,975	195,328	120,281
9/18/2012	177,009	209,966	146,522
9/19/2012	176,525	208,863	161,518
9/20/2012	183,655	178,189	96,961

**Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico**

Date mm/dd/yy	WDW-1 (gallons)	WDW-2 (gallons)	WDW-3 (gallons)
9/21/2012	190,483	142,355	33,023
9/22/2012	115,922	142,458	43,528
9/23/2012	153,374	169,207	94,449
9/24/2012	190,219	221,623	182,714
9/25/2012	187,693	220,051	178,585
9/26/2012	188,843	221,107	180,626
9/27/2012	184,437	217,965	174,778
9/28/2012	187,597	220,513	180,861
9/29/2012	189,603	222,287	184,464
9/30/2012	189,055	221,907	180,152
10/1/2012	188,007	220,849	179,922
10/2/2012	182,036	216,277	171,557
10/3/2012	187,950	221,398	179,636
10/4/2012	184,272	218,094	173,748
10/5/2012	186,405	220,306	178,784
10/6/2012	186,494	219,969	178,014
10/7/2012	186,377	220,040	176,932
10/8/2012	164,335	199,749	139,833
10/9/2012	185,942	218,918	174,551
10/10/2012	186,978	220,249	176,448
10/11/2012	185,625	219,324	175,536
10/12/2012	186,071	219,760	176,904
10/13/2012	184,592	218,671	172,724
10/14/2012	179,512	214,915	166,149
10/15/2012	182,538	217,961	171,750
10/16/2012	178,868	214,542	165,307
10/17/2012	181,793	217,594	169,700
10/18/2012	178,614	214,680	164,717
10/19/2012	172,620	208,713	153,033
10/20/2012	164,804	203,550	139,343
10/21/2012	173,866	210,778	148,509
10/22/2012	163,695	202,326	144,767
10/23/2012	158,163	197,592	128,264
10/24/2012	168,459	202,614	145,854
10/25/2012	167,455	205,156	156,142
10/26/2012	162,668	199,793	142,985
10/27/2012	164,753	201,252	141,608
10/28/2012	170,188	206,829	154,987
10/29/2012	170,148	205,598	151,992
10/30/2012	172,465	205,977	150,400
10/31/2012	144,988	201,435	95,518
11/1/2012	110,911	228,142	0
11/2/2012	111,121	161,555	0
11/3/2012	121,131	144,731	23,568
11/4/2012	175,931	215,928	153,835
11/5/2012	181,549	220,134	176,570
11/6/2012	195,321	231,265	186,732

**Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico**

Date mm/dd/yy	WDW-1 (gallons)	WDW-2 (gallons)	WDW-3 (gallons)
11/7/2012	190,886	226,712	182,093
11/8/2012	194,321	229,250	168,809
11/9/2012	185,214	218,358	163,536
11/10/2012	195,482	229,737	189,673
11/11/2012	188,523	224,196	183,296
11/12/2012	181,447	218,253	166,644
11/13/2012	189,377	224,535	173,260
11/14/2012	188,190	224,532	183,420
11/15/2012	191,868	227,337	186,225
11/16/2012	189,895	226,323	192,260
11/17/2012	189,858	226,791	176,733
11/18/2012	189,620	226,824	196,656
11/19/2012	187,901	225,914	205,547
11/20/2012	184,946	223,897	186,095
11/21/2012	175,530	216,504	192,475
11/22/2012	142,995	179,232	204,408
11/23/2012	109,374	139,492	193,666
11/24/2012	109,267	139,536	1,069
11/25/2012	165,063	203,967	103,702
11/26/2012	181,847	223,388	182,364
11/27/2012	183,105	223,971	182,977
11/28/2012	191,674	231,657	195,631
11/29/2012	185,145	226,659	187,998
11/30/2012	179,022	222,220	179,662
12/1/2012	169,993	215,676	170,960
12/2/2012	169,607	215,860	172,884
12/3/2012	175,049	219,936	179,840
12/4/2012	168,890	213,457	164,680
12/5/2012	168,706	214,145	169,817
12/6/2012	177,935	222,045	181,500
12/7/2012	171,828	217,356	174,704
12/8/2012	166,051	212,898	167,031
12/9/2012	161,484	209,399	163,675
12/10/2012	163,861	230,567	142,236
12/11/2012	175,486	192,580	131,954
12/12/2012	170,910	196,731	141,601
12/13/2012	181,219	208,983	163,800
12/14/2012	178,797	207,591	161,203
12/15/2012	182,726	213,028	168,631
12/16/2012	184,268	214,142	165,422
12/17/2012	182,186	209,685	160,654
12/18/2012	182,384	210,717	168,429
12/19/2012	177,152	206,105	163,161
12/20/2012	179,664	206,071	158,034
12/21/2012	185,454	188,413	120,305
12/22/2012	199,302	203,917	145,125
12/23/2012	201,837	209,211	154,846

**Historical Volume Data
Navajo Refining Company, L.L.C.
Artesia, New Mexico**

Date	WDW-1	WDW-2	WDW-3	
mm/dd/yy	(gallons)	(gallons)	(gallons)	
12/24/2012	201,797	210,768	159,362	
12/25/2012	192,936	215,132	167,909	
12/26/2012	157,544	213,545	164,376	
12/27/2012	217,686	213,172	165,701	
12/28/2012	203,531	200,773	152,166	
12/29/2012	172,909	218,594	148,513	
12/30/2012	204,505	204,984	155,534	
12/31/2012	<u>202,544</u>	<u>200,842</u>	<u>137,527</u>	
Sub Totals (above)	<u>59,313,160</u>	<u>73,015,655</u>	<u>58,549,980</u>	Total Volume
Total before 9/30/10	<u>1,326,473,337</u>	<u>732,996,868</u>	<u>257,757,772</u>	190,878,795
Total Volumes	<u>1,385,786,497</u>	<u>806,012,523</u>	<u>316,307,752</u>	<u>2,317,227,977</u>
				<u>2,508,106,772</u>