



ENTERED



GRUB 2005

2905 Rodeo Park Drive East
Building 1
Santa Fe, New Mexico 87505-6303
Telephone (505) 428-2500
Fax (505) 428-2567
www.nmemv.state.nm.us

**New Mexico
Environment Department
Hazardous Waste Bureau**



Fax

To: Randy Schmaltz	From: Hope Monzeglio
Fax: 505-632-3911	Pages: 12 including fax cover
Phone: 505-632-4171	Date: 3/4/2005
Re: Laboratory Results raw water ponds	CC:

Urgent **For Review** **Please Comment** **Please Reply** **Please Recycle**

Dear Randy

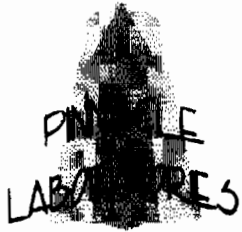
I am faxing NMED's effluent results (outfall discharge) to the raw water ponds collected during our visit on 2/23/05. The results for benzene exceed the NM WQCC and EPA National Primary Drinking Water Standards (MCL's June 2003).

NMED is requesting a copy of all analytical results of the effluent sampling that has occurred at the raw water ponds.

Please contact me with further questions.

Sincerely,

Hope Monzeglio



2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

Pinnacle Lab ID number **502149**
March 02, 2005

NMED-HWB
2905 RODEO PARK DR. EAST BLDG. 1
SANTA FE, NM 87505

Project Name **GIANT BLOOMFIELD**
Project Number **(NONE)**

Attention: **DAVE COBRAIN/HOPE MONZEGLIO**

On 02/23/2005 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous samples**. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure



2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

CLIENT	: NMED-HWB	PINNACLE ID	: 502149
PROJECT #	: (NONE)	DATE RECEIVED	: 02/23/2005
PROJECT NAME	: GIANT BLOOMFIELD	REPORT DATE	: 03/02/2005
PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
502149 - 01	TANK 33 OUTFALL	AQUEOUS	02/23/2005



2709-D Pan American Freeway NE
 Albuquerque, New Mexico 87107
 Phone (505) 344-3777
 Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B
 CLIENT : NMED-HWB
 PROJECT # : (NONE)
 PROJECT NAME : GIANT BLOOMFIELD

PINNACLE I.D. : 502149
 ANALYST : DSR / BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	TANK 33 OUTFALL	AQUEOUS	02/23/2005	NA	02/24/2005	5

PARAMETER	DET. LIMIT	UNITS	TANK 33 OUTFALL
BENZENE	0.5	UG/L	25
TOLUENE	0.5	UG/L	< 2.5
ETHYLBENZENE	0.5	UG/L	18
TOTAL XYLENES	1.0	UG/L	21
METHYL-t-BUTYL ETHER	2.5	UG/L	52

SURROGATE:
 BROMOFLUOROBENZENE (%) 97
 SURROGATE LIMITS (80 - 120)

CHEMIST NOTES:
 N/A



2709-D Pan American Freeway NE
 Albuquerque, New Mexico 87107
 Phone (505) 344-3777
 Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015B GRO
 CLIENT : NMED-HWB
 PROJECT # : (NONE)
 PROJECT NAME : GIANT BLOOMFIELD

PINNACLE I.D. : 502149
 ANALYST : DSR / BP

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	TANK 33 OUTFALL	AQUEOUS	02/23/2005	NA	02/24/2005	1
PARAMETER	DET. LIMIT	UNITS	TANK 33 OUTFALL			
FUEL HYDROCARBONS	100	UG/L	3700			
HYDROCARBON RANGE			C6-C10			
HYDROCARBONS QUANTITATED USING			GASOLINE			

CHEMIST NOTES:
 N/A



2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B	PINNACLE I.D.	: 502149
BLANK I.D.	: 022405	DATE EXTRACTED	: N/A
CLIENT	: NMED-HWB	DATE ANALYZED	: 02/24/2005
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GIANT BLOOMFIELD	ANALYST	: DSR / BP

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<1.0
METHYL-t-BUTYL ETHER	UG/L	<2.5

SURROGATE:
BROMOFLUOROBENZENE (%) 99
SURROGATE LIMITS (80 - 120)

CHEMIST NOTES:
N/A



2709-D Pan American Freeway NE
 Albuquerque, New Mexico 87107
 Phone (505) 344-3777
 Fax (505) 344-4413

GAS CHROMATOGRAPHY QUALITY CONTROL
 LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 502149
BATCH #	: 022405B	DATE EXTRACTED	: N/A
CLIENT	: NMED-HWB	DATE ANALYZED	: 02/24/2005
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GIANT BLOOMFIELD	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<100	1000	890	89	912	91	2	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							
HYDROCARBONS QUANTITATED USING GASOLINE									

CHEMIST NOTES:
 N/A

% Recovery = $\frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$

RPD (Relative Percent Difference) = $\frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$



2709-D Pan American Freeway NE
 Albuquerque, New Mexico 87107
 Phone (505) 344-3777
 Fax (505) 344-4413

GAS CHROMATOGRAPHY QUALITY CONTROL
 LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 502149
BATCH #	: 022405	DATE EXTRACTED	: N/A
CLIENT	: NMED-HWB	DATE ANALYZED	: 02/24/2005
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GIANT BLOOMFIELD	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	20.2	101	20.1	101	0	(80 - 120)	20
TOLUENE	<0.5	20.0	20.3	102	20.2	101	0	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	20.2	101	20.0	100	1	(80 - 120)	20
TOTAL XYLENES	<1.0	60.0	60.8	101	60.0	100	1	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	19.4	97	19.2	96	1	(70 - 133)	20

CHEMIST NOTES:
 N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



2709-D Pan American Freeway NE
 Albuquerque, New Mexico 87107
 Phone (505) 344-3777
 Fax (505) 344-4413

GAS CHROMATOGRAPHY QUALITY CONTROL
 MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 502149
MSMSD #	: 502150-01	DATE EXTRACTED	: N/A
CLIENT	: NMED-HWB	DATE ANALYZED	: 02/24/2005
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GIANT BLOOMFIELD	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	21.3	107	20.5	103	4	(80 - 120)	20
TOLUENE	25	20.0	45.5	103	44.8	99	2	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	21.1	106	20.6	103	2	(80 - 120)	20
TOTAL XYLENES	<1.0	60.0	63.8	106	62.9	105	1	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	20.4	102	19.5	98	5	(70 - 133)	20

CHEMIST NOTES:
 N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



2709-D Pan American Freeway NE
 Albuquerque, New Mexico 87107
 Phone (505) 344-3777
 Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
 CLIENT : NMED-HWB
 PROJECT # : (NONE)
 PROJECT NAME : GIANT BLOOMFIELD

PINNACLE I.D. : 502149
 ANALYST : DSR

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	TANK 33 OUTFALL	AQUEOUS	02/23/2005	02/25/2005	02/25/2005	1
PARAMETER	DET. LIMIT	UNITS	TANK 33 OUTFALL			
FUEL HYDROCARBONS, C6-C10	2.0	MG/L	3.5			
FUEL HYDROCARBONS, C10-C22	1.0	MG/L	< 1.0			
FUEL HYDROCARBONS, C22-C36	1.0	MG/L	< 1.0			
CALCULATED SUM:			3.5			
SURROGATE:						
O-TERPHENYL (%)			94			
SURROGATE LIMITS	(70-130)					

CHEMIST NOTES:
 N/A



2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS
EXTRACTION BLANK

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 502149
BLANK I.D.	: 022505	DATE EXTRACTED	: 02/25/2005
CLIENT	: NMED-HWB	DATE ANALYZED	: 02/25/2005
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GIANT BLOOMFIELD	ANALYST	: DSR

PARAMETER	UNITS	
FUEL HYDROCARBONS, C6-C10	MG/L	< 2.0
FUEL HYDROCARBONS, C10-C22	MG/L	< 1.0
FUEL HYDROCARBONS, C22-C36	MG/L	< 1.0

SURROGATE:
O-TERPHENYL (%) 102
SURROGATE LIMITS (70-130)

CHEMIST NOTES:
N/A



2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 502149
LCS/LCSD #	: 022505	DATE EXTRACTED	: 02/25/2005
CLIENT	: NMED-HWB	DATE ANALYZED	: 02/25/2005
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GIANT BLOOMFIELD	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<1.0	33.0	32.6	99	31.2	95	4	(70-130)	20

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$