



CAFB 92
DEPARTMENT OF THE AIR FORCE

HEADQUARTERS 27th FIGHTER WING (ACC)
CANNON AIR FORCE BASE, NEW MEXICO

04 SEP 1992

27 SG/CC
100 S DL Ingram Blvd Suite 200
Cannon AFB NM 88103-5217

Mr Benito Garcia
New Mexico Environment Department
Hazardous and Radioactive Material Bureau Chief
1190 St Francis Drive
P O Box 26110
Santa Fe, NM 87502

RE: NM7572124454, Monthly Progress Report, Compliance Agreement

Dear Mr Garcia

Attached are our results for the groundwater monitoring samples collected during your Comprehensive Groundwater Monitoring Evaluation (CME) conducted on wells A, L, M and I around Landfill 5 Cell 3 in June 1992. All appendix III and IX constituents were below detection levels and/or safe drinking water maximum contaminate levels.

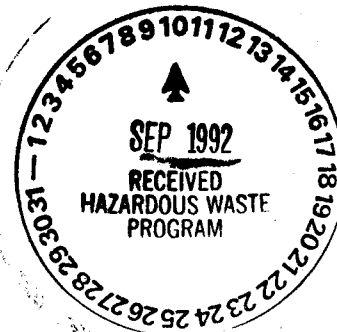
Your continued cooperation and understanding are appreciated. If there is any additional information needed to clear the Compliance Agreement/Schedule please let me know. Any questions concerning this report should be directed to Mr. Jim Richards at 784-4639.

Sincerely

Christopher S. Long
CHRISTOPHER S. LONG, Colonel, USAF
Commander, 27th Support Group

1 Atch
Sampling Results

cc: NMED, Mr Steve Alexander
HQ ACC/CEV
AFRCE/CR, Ronald Jahns



Global Power for America

**Cannon Air Force Base
Groundwater Sample**

(Sample Dates 10-24)

(Continued)

Cannon Air Force Base
Groundwater

Landfill 6 Wells			
Sample Parameters	MCL	MW M/QC	MW M/TB
Groundwater Quality Parameters			
Chloride (mg/L)	250	57	NA
Sulfate (mg/L)	250	107	NA
Phenol (mg/L)	-	0.04	NA
Appendix III Parameters			
Fluoride (mg/L)	4	2.0	NA
Nitrite/Nitrate (mg/L)	10	0.9	NA
Gross Alpha (pCi/L)	15	<2	NA
Gross Beta (pCi/L)	-	4 ± 3	NA
Total Radium (pCi/L)	5	<1	NA
Total and Fecal Coliforms/100 ml	1	ND	NA
Turbidity (NTU)	1	.65	NA
Appendix III and IX Parameters			
Herbicides (ug/l)	-	ND	NA
Pesticides/PCBs (ug/l)	-	ND	NA
Metals (total)			
Arsenic (ug/l)	50	3	NA
Barium (ug/l)	1000	32	NA

Landfill 6 Wells		
Sample Parameters	MCL	MW M/QC
Copper (ug/L)	1300	<10
Iron (ug/L)	300	<20
Lead (ug/L)	50	<20
Magnesium (mg/L)	-	34
Selenium (ug/L)	50	5
Sodium (mg/L)	-	39
Zinc (ug/L)	5000	<10
Appendix IX Parameters		
Volatiles (ug/L)	-	ND
Semivolatiles (ug/L)	-	ND
Cyanide (ug/L)	200	<10
Dioxins/Furans (mg/L)	-	ND
Sulfides (mg/L)	-	<0.01

Notes: ND - Parameter not Detected
 NA - Not Analyzed
 MCL - Drinking Water Maximum Contaminant Level
 TB - Travel Blank
 TC - Total Coliforms Detected (No Fecal Coliforms were Detected)

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**Cannon Air Force Base
Groundwater Sampling Results**
(Sample Dates 10-24 June 1992)

Landfill 5 Wells							
Sample Parameters	MCL	NW A	NW A/TB	MW I	MW L	MW L/TB	MW M
Groundwater Quality Parameters							
Chloride (mg/L)	250	48, 47	NA	74, 74	61	NA	57, 57
Sulfate (mg/L)	250	94, 95	NA	107, 109	117	NA	105, 106
Phenol (mg/L)	-	<0.01	NA	<0.01, <0.01	<0.01	NA	<0.01
Appendix III Parameters							
Fluoride (mg/L)	4	2.9, 2.9	NA	3.2, 3.0	3.0	NA	2.4, 2.4
Nitrite/Nitrate (mg/L)	10	1.0, 1.0	NA	.8, .7	1.0	NA	0.8, 0.8
Gross Alpha (pCi/L)	15	<2	NA	<2	<2	NA	<2
Gross Beta (pCi/L)	-	5 ± 3	NA	<3	<3	NA	<3
Total Radium (pCi/L)	5	<1	NA	<1	<1	NA	<1
Total and Fecal Coliforms/100 ml	1	ND	NA	70	70	NA	ND
Turbidity (NTU)	1	.17	NA	.18	1.55	NA	.65
App. III and IX Parameters							
Herbicides (ug/L)	-	ND	NA	ND	ND	NA	ND
Pesticides/PCBs (ug/L)	-	ND	NA	ND	ND	NA	ND
Metals (total)							
Arsenic (ug/L)	50	4, 4	NA	2.7	5	NA	3
Barium (ug/L)	1000	32, 33	NA	34	35	NA	32

Notes: ND - Parameter not Detected
 NA - Not Analyzed
 MCL - Drinking Water Maximum Contaminant Level
 TB - Travel Blank
 TC - Total Coliforms Detected (No Fecal Coliforms were Detected)
 (1) - Bis(2-ethylhexyl)phthalate @ 11.8 ug/L (MCL not Listed)

**Cannon Air Force Base
Groundwater Sampling Results**
(Sample Dates 10-24 June 1992)
(Continued)

Landfill 6 Wells							
Sample Parameters	MCL	MW A	MW A/TB	MW I	MW L	MW L/TB	MW N
Copper (ug/l)	1300	<10, <10	NA	24	<10	NA	<10
Iron (ug/l)	300	180, 212	NA	44	34	NA	<20
Lead (ug/l)	50	<20, 22	NA	<20	<20	NA	<20
Magnesium (mg/l)	-	31, 32	NA	42	42	NA	34
Selenium (ug/l)	50	6, 6	NA	6	6	NA	5
Sodium (mg/l)	-	45, 46	NA	35	43	NA	40
Zinc (ug/l)	5000	<10, <10	NA	<10	11	NA	<10
Appendix IX Parameters							
Volatiles (ug/l)	-	ND	ND	ND	ND	ND	ND
Semivolatiles (ug/l)	-	(1)	ND	ND	ND	ND	ND
Cyanide (ug/l)	200	<10	NA	<10	<10	NA	<10
Dioxins/Furens (mg/L)	-	ND	NA	ND	ND	NA	ND
Sulfides (mg/l)	-	<0.01	NA	<0.01	<0.01	NA	<0.01

Notes: ND - Parameter not Detected
 NA - Not Analyzed
 MCL - Drinking Water Maximum Contaminant Level
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