



DANIEL B. STEPHENS & ASSOCIATES, INC.

ENVIRONMENTAL SCIENTISTS AND ENGINEERS

KAFB/Res/94



August 15, 1994

Mr. Christopher DeWitt, R.P.G.
Acting Chief, Restoration Branch
Environmental Management Division
377 ABW/EMR
2000 Wyoming Boulevard S.E.
Kirtland AFB, New Mexico 87117-5659

*Sewage Lagoons
Golf Course Main Pond*

RE: Ground-Water and Sludge Sampling Analytical Results

Dear Mr. DeWitt:

Enclosed are a summary table and copies of the analytical data sheets for samples collected during the first round of post-closure field activities. Included are results for composite sludge samples collected from the KAFB Sewage Lagoons and for ground-water samples collected from wells around both the Sewage Lagoons and the Golf Course Main Pond.

Please call me if you have any questions or comments.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.

R Meixner

Richard Meixner, Ph.D.
Senior Scientist

Attachments (2)

cc: Ron Kern, NMED ✓

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Attachment 1
Sampling Results -- July 1994

Table 1. Sampling Results -- July 1994
 Kirtland Air Force Base
 Sewage Lagoons and Golf Course Main Pond

Ground-Water Sample Results				
	Date Sampled	Total Cr (mg/L)	Hex Cr (mg/L)	Turb (NTU)
Sewage Lagoons				
0501	6/29	0.02	0.02	4
0502	7/5	0.13	0.13	<1
0503	7/6	<0.02	<0.01	<1
0504	7/17	0.02	0.01	1
Golf Course				
0602	7/8	0.03	<0.01	<1
0608	7/5	0.02	0.02	2
0608Dup	7/5	<0.02	<0.01	2
0609	7/6	<0.02	<0.01	<1
0610	7/14	0.02	<0.01	<1

Handwritten notes:
 - 1050 Series 7/14
 All Cr is Hex

Sludge Sample Results				
	Date Sampled	Total Cr (mg/kg)	Hex Cr (mg/kg)	TCLP Cr (mg/L)
North	7/11	57	0.3	<0.02
NorthDup	7/11	46	0.3	NA
South	7/11	54	0.2	<0.02

Turb = Turbidity
 TCLP = Toxic Characteristic Leaching Procedure
 NA = Not analyzed

**Attachment 2
Analytical Data Sheets**

RECEIVED

SOIL AND WATER WEST, INC.

NATURAL RESOURCE CONSULTANTS
AND TESTING LABORATORIES

1700 Southern Blvd.
Rio Rancho, N. M. 87124

(505) 891-9472
FAX 892-6607

NAME: D. B. Stephens & Associates		DATE: 7/21/94		
ADDRESS: 6020 Academy NE, Suite 100 Albuquerque, N.M. 87109		PHONE: 822-9400		
CONTACT: Lori Dotson		PROJECT/PO#:		
DATE RECEIVED: 7/12/94	TIME RECEIVED: 11:10am	NUMBER OF SAMPLES: 2		
LAB #	SAMPLE ID	TOTAL Cr mg/Kg	HEX Cr mg/Kg	TCLP Cr mg/L
1559-1	KAFB North Sew. Lagoon	57	0.3	<0.02
1559-2	KAFB South Sew. Lagoon	54	0.2	<0.02
1559-1d	DUPLICATE	46	0.3	
1559-1s	MATRIX SPIKE REC.	118%	78%	109%

COMMENTS:

SIGNED: *Russell H. Zittelosen*
Russell H. Zittelosen
Laboratory Director

DATE: 7/22/94

SIGNED: *Clifford R. Landers*
Clifford R. Landers
President

DATE: 7/22/94

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NAME: D. B. Stephens & Associates		DATE: 7/06/94		
ADDRESS: 6020 Academy NE, Suite 100 Albuquerque, N.M. 87109		PHONE: 822-9400		
CONTACT: Rich Meixner		PROJECT/PO#:		
DATE RECEIVED: 6/29/94	TIME RECEIVED: 3:30pm	NUMBER OF SAMPLES: 1		
LAB #	SAMPLE ID	TOTAL Cr mg/L	HEX Cr mg/L	TURBIDITY NTU
1539	KAFB0501	0.02	0.02	4
1539-D	DUPLICATE	0.02	0.02	4
1539-S	MATRIX SPIKE REC	115%	104%	

COMMENTS:

SIGNED: *Russell H. Zittlosen*
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Laboratory Director

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Clifford R. Landers
President

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ADDRESS: 6020 Academy NE, Suite 100 Albuquerque, N.M. 87109		PHONE: 822-9400		
CONTACT: Rich Meixner		PROJECT/PO#:		
DATE RECEIVED: 7/05/94	TIME RECEIVED: 5:12pm	NUMBER OF SAMPLES: 3		
LAB #	SAMPLE ID	TOTAL Cr mg/L	HEX Cr mg/L	TURBIDITY NTU
1542	KAFB0502	0.13	0.13	<1
1542-D	DUPLICATE	0.13	0.13	<1
1542-S	MATRIX SPIKE REC		96%	
1539-S	MATRIX SPIKE REC	115%		

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CONTACT: Rich Meixner		PROJECT/PO#:		
DATE RECEIVED: 7/05/94	TIME RECEIVED: 5:12pm	NUMBER OF SAMPLES: 3		
LAB #	SAMPLE ID	TOTAL Cr mg/L	HEX Cr mg/L	TURBIDITY NTU
1549-1	KAFB0608	0.02	0.02	2
1549-2	KAFB0608D	<0.02	<0.01	2
1549-3	RINSATE	<0.02	<0.01	<1
1549-3d	DUPLICATE	<0.02	<0.01	<1

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ADDRESS: 6020 Academy NE, Suite 100 Albuquerque, N.M. 87109		PHONE: 822-9400		
CONTACT: Rich Meixner		PROJECT/PO#:		
DATE RECEIVED: 7/07/94	TIME RECEIVED: 8:13am	NUMBER OF SAMPLES: 2		
LAB #	SAMPLE ID	TOTAL Cr mg/L	HEX Cr mg/L	TURBIDITY NTU
1551-1	KAFB0503	<0.02	<0.01	<1
1551-2	KAFB0609	<0.02	<0.01	<1
1551-2d	DUPLICATE	<0.02	<0.01	<1
1551-2s	MATRIX SPIKE REC.	120%	99%	

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ADDRESS: 6020 Academy NE, Suite 100 Albuquerque, N.M. 87109		PHONE: 822-9400		
CONTACT: Rich Meixner		PROJECT/PO#:		
DATE RECEIVED: 7/8/94	TIME RECEIVED:	NUMBER OF SAMPLES: 1		
LAB #	SAMPLE ID	TOTAL Cr mg/L	HEX Cr mg/L	TURBIDITY NTU
1554	KAFB0602	0.03	<0.01	<1
1554-d	DUPLICATE	0.02	<0.01	<1
1554-s	MATRIX SPIKE REC.		95%	
1565-1s	MATRIX SPIKE REC.	110%		

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ADDRESS: 6020 Academy NE, Suite 100 Albuquerque, N.M. 87109		PHONE: 822-9400		
CONTACT: Rich Meixner		PROJECT/PO#:		
DATE RECEIVED: 7/15/94	TIME RECEIVED: 10:20am	NUMBER OF SAMPLES: 2		
LAB #	SAMPLE ID	TOTAL Cr mg/L	HEX Cr mg/L	TURBIDITY NTU
1565-1	KAFB0610 #1	0.02		
1565-2	KAFB0610 #2		<0.01	<1
1565-1d	DUPLICATE	0.02		
1565-1s	MATRIX SPIKE REC.	110%		
1565-2d	DUPLICATE		<0.01	<1
1565-2s	MATRIX SPIKE REC.		96%	

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ADDRESS: 6020 Academy NE, Suite 100 Albuquerque, N.M. 87109		PHONE: 822-9400		
CONTACT: Rich Meixner		PROJECT/PO#:		
DATE RECEIVED: 7/18/94	TIME RECEIVED: 7:49am	NUMBER OF SAMPLES: 2		
LAB #	SAMPLE ID	TOTAL Cr mg/L	HEX Cr mg/L	TURBIDITY NTU
1567-1	KAFB0504 #5	0.02		
1567-2	KAFB0504 #6		0.01	1
1567-1d	DUPLICATE	0.02		
1567-2s	MATRIX SPIKE REC.		102%	
1565-1s	MATRIX SPIKE REC.	110%		

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