

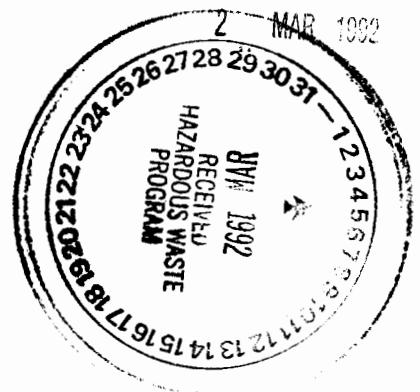


DEPARTMENT OF THE AIR FORCE  
 HEADQUARTERS 542D CREW TRAINING WING (MAC)  
 KIRTLAND AIR FORCE BASE, NEW MEXICO 87117 - 5000

FILE  
 KAFB / 1005/92



Mr Edward L. Horst  
 Program Manager  
 Hazardous and Radioactive Materials Bureau  
 NM Environment Dept  
 PO Box 26110  
 525 Camino de los Marquez  
 Santa Fe NM 87502



Dear Mr Horst

Attached is the annual report on the analytical results from the indicator parameter sampling of the Kirtland AFB groundwater monitoring wells. All data is from the following wells:

<u>Sewage Lagoons</u>	<u>Golf Course Pond</u>
0501 - southeast well	0602 - southeast well
0502 - northeast well	0608 - northwest well
0503 - northwest well	0609 - northeast well
0504 - southwest well	0610 - southwest well

Due to an error in contracting, TOX and TOC analyses were not performed during the first round of sampling conducted in April of 1990. However, analysis of the Appendix 9 constituents was conducted, and this data has already been submitted to your Bureau.

As a result of a problem with our lab, holding times were exceeded for the samples collected during the most recent (November 1991) sampling event and submitted for volatile organic analysis. KAFB was not aware of this problem until we received the final lab results in late February 1992. We have requested that our contractor (US Geological Survey) inform the lab that, in the future, we are to be notified immediately of any exceedence of holding times so that resampling can be conducted in a timely manner.

If you should have any questions, or require any additional information, please contact Mr John Gould of my staff at 846-2773.

Sincerely

*Thomas A. Norris*  
 THOMAS A. NORRIS, Colonel, USAF  
 Director  
 Environmental Management Division

1 Atch  
 Analytical Data



Well 0501 - Sewage Lagoon SE

Sampling Date - 9 May 1990

Specific Conductivity - 590  
pH - 8.31

Sampling Date - 28 August 1990

Specific Conductivity - 530  
pH - 7.91  
TOX - Not Detected (ND)  
TOC - 0.65 mg/L

Sampling Date - 27 November 1990

Specific Conductivity - 570  
pH - 8.00  
TOX - ND  
TOC - 0.80 mg/L

Sampling Date - 25 February 1991

Specific Conductivity - 568  
pH - 8.31  
TOX - ND  
TOC - 1.2 mg/L

Sampling Date - 29 May 1991

Specific Conductivity - 543  
pH - 7.99  
TOX - ND  
TOC - ND

Sampling Date - 13 November 1991

Specific Conductivity - 553  
pH - 7.86  
TOX - Holding Time Exceeded  
TOC - Holding Time Exceeded

Well 0502 - Sewage Lagoon NE

Sampling Date - 10 May 1990

Specific Conductivity - 571  
pH - 8.10

Sampling Date - 28 August 1990

Specific Conductivity - 520  
pH - 8.15  
TOX - ND  
TOC - 1.2 mg/L

Sampling Date - 27 November 1990

Specific Conductivity - 580  
pH - 8.15  
TOX - ND  
TOC - 1.2 mg/L

Sampling Date - 26 February 1991

Specific Conductivity - 567  
pH - 7.73  
TOX - ND  
TOC - 4.4 mg/L

Sampling Date - 30 May 1991

Specific Conductivity - 641  
pH - 8.86  
TOX - ND  
TOC - 6.5 mg/L

Sampling Date - 12 November 1991

Specific Conductivity - 584  
pH - 8.49  
TOX - Holding Time Exceeded  
TOC - Holding Time Exceeded

Well 0503 - Sewage Lagoon NW

Sampling Date - 10 May 1990

Specific Conductivity - 577  
pH - 7.86

Sampling Date - 30 August 1990

Specific Conductivity - 565  
pH - 7.86  
TOX - ND  
TOC - 0.65 mg/L

Sampling Date - 28 November 1990

Specific Conductivity - 570  
pH - 7.93  
TOX - ND  
TOC - 1.6 mg/L

Sampling Date - 26 February 1991

Specific Conductivity - 573  
pH - 7.82  
TOX - ND  
TOC - 2.5 mg/L

Sampling Date - 29 May 1991

Specific Conductivity - 569  
pH - 7.88  
TOX - ND  
TOC - ND

Sampling Date - 13 November 1991

Specific Conductivity - 588  
pH - 7.77  
TOX - Holding Time Exceeded  
TOC - Holding Time Exceeded

Well 0504 - Sewage Lagoon SW

Sampling Date - 17 May 1990

Specific Conductivity - 510  
pH - 8.30

Sampling Date - 30 August 1990

Specific Conductivity - 510  
pH - 8.26  
TOX - ND  
TOC - ND

Sampling Date - 29 November 1990

Specific Conductivity - 560  
pH - 8.07  
TOX - ND  
TOC - 1.6 mg/L

Sampling Date - 27 February 1991

Specific Conductivity - 567  
pH - 8.09  
TOX - ND  
TOC - 1.1 mg/L

Sampling Date - 5 June 1991

Specific Conductivity - 539  
pH - 7.79  
TOX - ND  
TOC - ND

Sampling Date - 14 November 1991

Specific Conductivity - 546  
pH - 7.84  
TOX - Holding Time Exceeded  
TOC - Holding Time Exceeded

Well 0602 - Golf Course Pond SE

Sampling Date - 4 May 1990

Specific Conductivity - 610  
pH - 7.71

Sampling Date - 5 September 1990

Specific Conductivity - 630  
pH - 7.60  
TOX - ND  
TOC - 0.69 mg/L

Sampling Date - 10 December 1990

Specific Conductivity - 622  
pH - 7.70  
TOX - ND  
TOC - 0.79 mg/L

Sampling Date - 5 March 1991

Specific Conductivity - 642  
pH - 7.77  
TOX - 58.1 ug/L  
TOC - 0.64 mg/L

Sampling Date - 4 June 1991

Specific Conductivity - 622  
pH - 7.75  
TOX - ND  
TOC - ND

Sampling Date - 19 November 1991

Specific Conductivity - 638  
pH - 7.78  
TOX - Holding Time Exceeded  
TOC - Holding Time Exceeded

Well 0608 - Golf Course Pond NW

Sampling Date - 17 May 1990

Specific Conductivity - 690  
pH - 8.96

Sampling Date - 5 September 1990

Specific Conductivity - 736  
pH - 8.54  
TOX - ND  
TOC - 18.6 mg/L

Sampling Date - 30 November 1990

Specific Conductivity - 750  
pH - 8.32  
TOX - ND  
TOC - 9.6 mg/L

Sampling Date - 4 March 1991

Specific Conductivity - 754  
pH - 8.19  
TOX - ND  
TOC - 5.4 mg/L

Sampling Date - 31 May 1991

Specific Conductivity - 726  
pH - 7.73  
TOX - ND  
TOC - 0.62 mg/L

Sampling Date - 15 November 1991

Specific Conductivity - 728  
pH - 7.70  
TOX - Holding Time Exceeded  
TOC - Holding Time Exceeded

Well 0609 - Golf Course Pond NE

Sampling Date - 8 May 1990

Specific Conductivity - 688  
pH - 7.91

Sampling Date - 29 August 1990

Specific Conductivity - 620  
pH - 7.85  
TOX - ND  
TOC - 0.93 mg/L

Sampling Date - 29 November 1990

Specific Conductivity - 680  
pH - 7.70  
TOX - ND  
TOC - 1.8 mg/L

Sampling Date - 27 February 1991

Specific Conductivity - 666  
pH - 7.76  
TOX - ND  
TOC - 1.6 mg/L

Sampling Date - 30 May 1991

Specific Conductivity - 568  
pH - 7.87  
TOX - ND  
TOC - 0.75 mg/L

Sampling Date - 12 November 1991

Specific Conductivity - 657  
pH - 7.88  
TOX - Holding Time Exceeded  
TOC - Holding Time Exceeded



Well 0610 - Golf Course Pond SW

Sampling Date - 3 May 1990

Specific Conductivity - 630  
pH - 7.64

Sampling Date - 31 August 1990

Specific Conductivity - 652  
pH - 7.68  
TOX - ND  
TOC - 1.6 mg/L

Sampling Date - 6 December 1990

Specific Conductivity - 644  
pH - 7.55  
TOX - ND  
TOC - ND

Sampling Date - 6 March 1991

Specific Conductivity - 664  
pH - 7.75  
TOX - ND  
TOC - 0.69 mg/L

Sampling Date - 3 June 1991

Specific Conductivity - 6.28  
pH - 7.73  
TOX - ND  
TOC - ND

Sampling Date - 18 November 1991

Specific Conductivity - 638  
pH - 7.61  
TOX - Holding Time Exceeded  
TOC - Holding Time Exceeded