

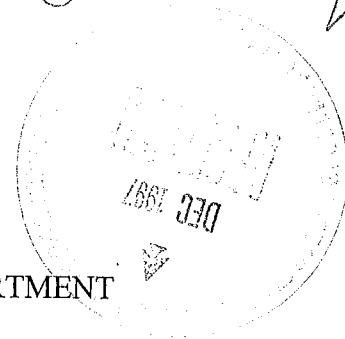


DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 377TH AIR BASE WING (AFMC)



ENTERED

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MEMORANDUM FOR MS. LAURA QUEMADA  
GROUNDWATER QUALITY BUREAU  
POLLUTION PREVENTION SECTION  
NEW MEXICO ENVIRONMENT DEPARTMENT  
PO BOX 26110  
SANTA FE NM 87502

FROM: 377 ABW/EMR  
2000 Wyoming Blvd SE, Suite D-6  
Kirtland AFB NM 87117-5659

SUBJECT: Disposal of Long-Term Groundwater Monitoring Plan Purge Water

1. This letter confirms the 12 Dec 97 conversation between you and Mr. Mark Holmes of my staff. The conversation concerned the analytical results of groundwater samples collected during the Sep 97 sixth quarterly sampling event at Kirtland Air Force Base (KAFB) and discharging the purge water generated during sampling of the wells.

2. Kirtland AFB is in receipt of the New Mexico Environment Department (NMED) letter dated 12 August 1996 approving the discharge of purge water below New Mexico Water Quality Control Commission Regulation (WQCC) Subpart III, 3103, A, B, and C groundwater quality standards. We understand the discharge water cannot contain toxic pollutants defined in WQCC 1101, TT. In addition, we can discharge water with levels observed for parameters without WQCC standards to the ground.

3. For the sixth quarterly sampling event, the following parameters exceeded WQCC standards:

<u>SITE</u>	<u>WELL</u>	<u>ANALYTE</u>	<u>RESULT</u>	<u>STD</u>	<u>VOL</u>
OT-46	1902	Fluoride	4.7 mg/l	1.6 mg/l	20 Gal
	1903	Fluoride	2.2 mg/l	1.6 mg/l	
		Iron (D)	11.4 mg/l	1.0 mg/l	
		Manganese (D)	235 ug/l	200 ug/l	33 Gal
1904	Fluoride	3.5 mg/l	1.6 mg/l	16 Gal	


KAFB1919



WP-26	0608	Nitrate-N	22 mg/l	10 mg/l	24 Gal
	0609	Nitrate-N	17 mg/l	10 mg/l	29 Gal
	0610	Nitrate-N	16 mg/l	10 mg/l	42 Gal

(D)- Dissolved concentration value from filtered sample

4. As per the discussion, you permitted KAFB to discharge this water to the ground adjacent to the monitor wells, directly above the groundwater sampling point. Kirtland AFB will discharge this purge water on 15 Dec 97.
5. The total volume of purge water discharged for all of the wells sampled during the sixth quarter will be 621 gallons. In NMED's 12 Aug 96 letter and communication with Mr. Pat Montañó, of our operations branch, KAFB is permitted to discharge a quarterly volume of 875 gallons.
6. The individual purge volumes and analytical results for the monitor wells listed above will be documented in the LTM quarterly report to be submitted to your office.
7. For future sampling events, we will continue to obtain approval to discharge purge water containing constituents above WQCC standards. Please contact Mr. Mark Holmes, (505) 846-9005, or me, (505) 846-0053, if you have questions or need additional information.

  
CHRISTOPHER B. DeWITT, R.P.G.  
Chief, Restoration Branch  
Environmental Management Division

cc:

NMED-HRMB (Mr. Pullen)

EPA Region 6 (Ms. Morlock)

377 ABW/EMO (Mr. Montañó)

USACE Omaha District (Mr. Rowe)

Foster Wheeler Env., Inc. (Mr. Tow)

Flour Daniel GTI (Ms. Liakos)