

AP - 49

APPROVALS

YEAR(S):

2006

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Thursday, November 16, 2006 5:07 PM
To: 'Tim Reed'
Cc: Price, Wayne, EMNRD
Subject: RE: ROC, Justis H-2 SWD, (AP-49) Stage 2 AP, Injection Approval

Dear Mr. Reed:

The NMOCD has reviewed the analytical results submitted for the ROC, H-2 (AP049) site. Per our telephone conversation today, ROC may continue to inject into the upgradient well (MW-1) the treated water from the R/O system. However, since the chloride concentrations in the treated water may be statistically elevated above the background concentrations found in farthest upgradient well (MW-3), the injection may only continue temporarily in order to remove the contents that is currently in the treated water storage tank.

If you have any questions regarding this matter, please call me at 505-476-3489.

Edward J. Hansen
 Hydrologist
 Environmental Bureau
 OCD

From: Tim Reed [mailto:treed@hec-enviro.com]
Sent: Thursday, November 16, 2006 4:06 PM
To: Hansen, Edward J., EMNRD
Subject: FW: ROC, Justis H-2 SWD, (AP-49) Stage 2 AP, Injection Approval

November 16, 2006

Mr. Ed Hansen
 NMOCD
 Santa Fe, New Mexico

Mr. Hansen:

Thank you for taking the time to discuss the issue of groundwater injection at the ROC, H-2 (AP-49) site with me earlier today. We currently have approximately 1100 gallons of water that has been passed through the R/O system and is stored in a tank on site. A sample was taken from the tank and analyzed for BTEX, Chloride, Sulfate and Total Dissolved Solids (TDS). The analysis of this water is as follows:

BTEX <0.001 mg/L
 Cl 171 mg/L
 SO₄ 54 mg/L
 TDS 412 mg/L

The quality of the well to be injected into (MW-1) up-gradient of the extraction well (MW-2) has ranged in the last 2 years as follows:

Cl 93.5 mg/L - 414 mg/L
 SO₄ 114 mg/L - 215 mg/L

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TDS 586 mg/L – 1130 mg/L

I was mistaken about the furthest up-gradient well (MW-3) quality. The quality has ranged in the last 2 years as follows:

Cl 27 mg/L - 154 mg/L

SO₄ 123 mg/L - 295 mg/L

TDS 450 mg/L – 1057 mg/L

We anticipate that subsequent water quality from the R/O system will only improve as the system adjustments are made. We request NMOCD approval to discharge this water into MW-1 at this time.

Tim Reed, P.G.

Vice President

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