

VARIANCE / FIELD CHANGE NOTICE

V/F No. 4

WBS NO.: 53000-SOW-0003

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PROJECT TITLE: (SOW) Acid Chlorination Treatments of Re-Injection Wells.

Date: 9-20-01

VARIANCE / FIELD CHANGE NOTICE (Include justification):

Requirement:

A minimum of twenty-well volumes will be pumped from each re-injection well following an acid treatment (Steps 5.1 through 5.7 of the SOW). Twenty-well volumes are defined for each re-injection well in Table 6

3879

Variance:

The minimum 20-well volume pumping criteria will only apply following completion of the entire acid treatment step. If the decision is made to administer more than one acid treatment to a well, only 7-well volumes need to be pumped from the well between the treatments. Seven well volumes for each re-injection well are as follows:

- IW-8: 1169 gallons
- IW-9: 2989 gallons
- IW-10: 5355 gallons
- IW-11: 7483 gallons
- IW-12: 5754 gallons

Following the last acid treatment, a minimum of 20-well volumes of water will be pumped from the well.

Justification:

Pumping less water from the well between acid treatments should allow the field crew to complete two acid treatments in one work week, substantially shortening the overall time required to complete a well.

INFORMATION ONLY

Requested By: Ken Broberg, *KAB*

9-20-01

X IF REQD	VARIANCE/FCN APPROVAL	DATE	X IF REQD	VARIANCE/FCN APPROVAL	DATE
X	QUALITY ASSURANCE <i>Q.S. will for FBT</i>	9/20/01		ARWMP Operations	
	DATA QUALITY MANAGEMENT		X	ARWMP Hydrogeology <i>with a. Hertel</i>	9/20/01
	ANALYTICAL CUSTOMER SUPPORT			ARWMP Safety	
	OTHER			Environmental Monitoring	

VARIANCE/FCN APPROVED YES NO REVISION REQUIRED: YES NO

DISTRIBUTION

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FIELD MANAGER:	OTHER:	OTHER:

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