

**GROUNDWATER MONITORING REPORT  
HATCH STATE LEAD SITES  
HATCH, NEW MEXICO**

Prepared for:

**New Mexico Environment Department  
Petroleum Storage Tank Bureau  
1301 Siler Road, Building B  
Santa Fe, NM 87507  
ATTN: Mr. Christopher Holmes**

Facilities:

**Buckelew Site  
700 W. Hall Street  
Hatch, New Mexico  
PSTB Site ID #286**

**Halsell's Grocery  
101 School Street  
Hatch, New Mexico  
PSTB Site ID #287**

Submitted by:

 **Haller & Associates, Inc.**

*ENVIRONMENTAL SERVICES & GEOSCIENCE*

**P.O. Box 729  
467 Highway 66, Suite 2  
Tijeras, NM 87059  
Phone: (505) 281-9333  
Fax: (505) 281-9338**

**June 30, 2009**

**2009 Annual Sampling Report**

**HAI Project # 2910**



**Table 2. Groundwater Analytical Results  
Hatch State Lead Sites (Buckelew & Halsell's Grocery), Hatch, New Mexico**

Well ID	Sample Date	benzene (µg/L)	toluene (µg/L)	ethylbenzene (µg/L)	xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Naphthalenes (µg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)
BMW-11 <b>Hatch Conoco aka Buckelew</b>	01/26/00	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---
	05/04/00	ND	0.6	2.4	1.0	ND	---	---	---	---	---	---
	07/27/00	ND	ND	ND	1.1	ND	ND	ND	---	---	---	---
	03/14/01	1.7	0.62	1.7	5.5	ND	ND	ND	---	<0.02	<0.005	<b>0.203</b>
	06/14/01	0.77	ND	ND	2.8	ND	ND	ND	---	0.24	<0.005	0.18
	09/12/01	0.70	ND	0.64	3.1	ND	ND	ND	---	---	---	---
	05/15/02	ND	ND	ND	ND	ND	---	---	---	<0.5	<0.025	<b>0.29</b>
	08/15/02	ND	ND	ND	ND	ND	---	---	---	0.06	ND	<b>0.24</b>
	02/19/03	ND	16	0.72	3.3	ND	---	---	---	---	---	---
	09/12/06	<1.0	<1.0	3.0	<3.0	<1.5	<1.0	<1.0	<4.0	---	---	<b>0.93</b>
HSMW-1 <b>Halsell'S Groc</b>	01/26/00	<5	<5	170	15	<5	<5	<5	14	---	---	---
	05/04/00	7.4	2.1	130	20	<5	---	---	---	---	---	---
	07/27/00	13	2.3	120	19	7.8	<0.4	<2.0	---	---	---	---
	03/14/01	23	ND	180	44	ND	ND	ND	---	<0.02	<0.005	<b>0.488</b>
	06/14/01	8.1	1.4	67	13	ND	ND	ND	---	0.03	<0.005	<b>0.319</b>
	09/12/01	14	2.5	150	33	ND	ND	ND	---	---	---	---
	05/15/02	22	ND	4.1	3.5	ND	ND	ND	ND	<0.5	<0.025	<b>0.35</b>
	08/15/02	20	ND	110	16	ND	---	---	---	0.09	ND	<b>0.28</b>
	11/26/02	3.8	2.0	88	16	ND	---	---	---	---	---	---
	02/19/03	7.1	7.5	110	26	ND	---	---	---	---	---	---
09/12/06	<b>81</b>	<10	220	130	<15	<10	<10	<b>78</b>	---	---	<b>0.29</b>	
HSMW-2 <b>Halsell'S Groc</b>	01/26/00	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---
	05/04/00	ND	ND	ND	ND	ND	---	---	---	---	---	---
	07/27/00	ND	ND	ND	ND	ND	ND	ND	---	---	---	---
	03/14/01	ND	ND	ND	ND	ND	ND	ND	---	<0.02	<0.005	<b>0.734</b>
	06/14/01	ND	ND	2.2	1.0	ND	ND	ND	---	0.08	<0.005	<b>0.938</b>
	09/12/01	0.6	ND	ND	ND	ND	ND	ND	---	---	---	---
	05/15/02	1.1	ND	8.3	3.6	ND	---	---	---	<0.5	<0.025	<b>0.92</b>
	08/15/02	3.4	ND	ND	ND	ND	---	---	---	0.04	ND	<b>0.89</b>
	02/19/03	ND	ND	ND	ND	ND	---	---	---	---	---	---
09/12/06	<b>90</b>	<1.0	5.0	<3.0	<1.5	<1.0	<1.0	3.9	---	---	<b>0.36</b>	
<b>NMWQCC/EIB Standard</b>		<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>	<b>100</b>	<b>0.1</b>	<b>10</b>	<b>30</b>	<b>1.0</b>	<b>0.05</b>	<b>0.2</b>

µg/L micrograms per liter  
 mg/L milligrams per liter  
 EDB ethylene dibromide  
 EDC ethylene dichloride  
 MTBE methyl-tert-butyl ether  
 ND not detected  
 --- not analyzed

**Table 2. Groundwater Analytical Results  
Hatch State Lead Sites (Buckelew & Halsell's Grocery), Hatch, New Mexico**

Well ID	Sample Date	benzene (µg/L)	toluene (µg/L)	ethylbenzene (µg/L)	xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Naphthalenes (µg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)
HSMW-3	01/26/00	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---
<b>Halsell'S Groc</b>	05/04/00	ND	ND	ND	ND	ND	---	---	---	---	---	---
	07/27/00	ND	ND	ND	ND	ND	ND	ND	---	---	---	---
	03/14/01	ND	ND	ND	ND	ND	ND	ND	---	<0.02	<0.005	0.048
	06/14/01	ND	ND	ND	ND	ND	ND	ND	---	<0.02	<0.005	0.1
	09/12/01	ND	ND	ND	ND	ND	ND	ND	---	---	---	---
	05/15/02	ND	ND	ND	ND	ND	---	---	---	<0.50	<0.025	<0.063
	08/15/02	ND	ND	ND	ND	ND	---	---	---	0.02	ND	0.09
	02/19/03	ND	ND	ND	ND	ND	---	---	---	---	---	---
	09/12/06	<1.0	<1.0	<1.0	<3.0	<1.5	<1.0	<1.0	<4.0	---	---	<b>0.22</b>
<b>NMWQCC/EIB Standard</b>		<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>	<b>100</b>	<b>0.1</b>	<b>10</b>	<b>30</b>	<b>1.0</b>	<b>0.05</b>	<b>0.2</b>

µg/L micrograms per liter  
mg/L milligrams per liter  
EDB ethylene dibromide

EDC ethylene dichloride  
MTBE methyl-tert-butyl ether  
ND not detected

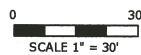
NA not analyzed

**LEGEND**

⊕ MONITOR WELL LOCATION



SOURCE: Dona Ana County Office of the Flood Commissioner Aerial Photo (Township 19S, Range 03W, Section 9)



**Haller & Associates, Inc.**  
467 Highway 66, Suite 2  
Tijeras, NM 87059

Hydrogeologic Evaluation & Remedial Solutions

**SITE MAP**

**HATCH STATE LEAD SITES  
HALL STREET  
HATCH, NEW MEXICO**

**FIGURE  
2**

Project Name: 2009 Annual Sampling

Project No. 2910

Draftsman: ECH

Date Drawn: 6/30/09