TABLES

Table 1

PETROLEUM HYDROCARBONS and VOCs IN SITE SOIL

September 2009

11380 Smith Road, Aurora, Colorado

Parameter	HA-01		HA-02		HA-03	HA-04	HA-05		HA-06		Regulatory Screening Values	
	18"	4'	18"	4'	18"	14"	18"	4'	10"	4'		
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
PETROLEUM HYDROCARBONS											OPS	
Diesel Range	94	52	46	120	110	330	<4	<4	30	<4	500	
Motor Oil	**7,500**	<200	**3,000**	**7,800**	**9,400**	**16,000**	<10	<11	390	<10	500	
VOLATILE ORGANIC HYDROCARBONS											CSEV worker	CSEV Groundwater
Acetone	<.25		<.25		<.25	<.25	<.25		<.25		1000	NA
Benzene	<.005		<.005		<.005	<.005	<.005		<.005		2.3	0.17
cis-1,2-Dichloroethene	<.005		<.005		<.005	<.005	<.005		<.005		170	1.3
Ethylbenzene	<.005		<.005		<.005	<.005	<.005		<.005		1000	100
Naphthalene	<.025		<.025		<.025	<.025	<.025		<.025		1000	23
Tetrachloroethene	0.017		<.005		<.005	0.35	<.005		<.005		1.3	1.9
Toluene	<.025		<.025		<.025	<.025	<.025		<.025		1000	85
1,1,1-Trichloroethane	0.073		<.005		0.0061	0.013	<.005		<.005		1000	62
Trichloroethene	0.0057		<.005		0.022	0.029	<.005		<.005		0.09	0.68
1,2,4-Triethylbenzene	0.0052		<.005		<.005	<.005	<.005		<.005		85	71
1,2,3-Triethylbenzene	0.0058		<.005		<.005	<.005	<.005		<.005		NA	NA
Total Xylenes	<.015		<.015		<.015	<.015	<.015		<.015		1000	175
All Other VOCs - Not Detected												

Notes

mg/Kg - milligrams per kilogram, parts per million

<- analyte not detected at the laboratory practical quantitation limit

shaded cells indicate detections, bold values indicate exceedance of screening levels

OPS - Division of Oil and Public Safety screening level for petroleum hydrocarbons

CSEV - Colorado Soil Evaluation Values for worker who may occasionally contact soils

GPL - groundwater protection level, from CSEVs

Table 2

PCB's, PAH's and METALS in SITE SOIL

September 2009

11380 Smith Road, Aurora, Colorado

Parameter	HA-01	HA-03	HA-04	HA-06	Regulatory Screening Values	
	18"	18"	14"	10"		
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
PCBs					**CSEV worker**	**CSEV Groundwater**
PCB 1016		<.017	<.85		21	1000
PCB 1221		<.017	<.85		0.74	1000
PCB 1232		<.017	<.85		0.74	1000
PCB 1242		<.017	<.85		0.74	1000
PCB 1248		<.017	2.1		0.74	1000
PCB 1254		<.017	<.85		0.74	1000
PCB 1260		<.017	<.85		0.74	1000
PAH'S					**CSEV worker**	**CSEV Groundwater**
Anthracene		<.033	<.66		NA	NA
Acenaphthene		<.033	<.033		NA	NA
Acenaphthylene		<.033	<.033		NA	NA
Benzo(a)anthracene		<.033	<.66		3.9	1000
Benzo(a)pyrene		**<.066**	**<.066**		0.39	1000
Benzo(k)fluoranthene		<.066	<.066		3.9	1000
Benzo(g,h,i)perylene		<.066	<.066		NA	NA
Benzo(k)fluoranthene		<.066	<.066		39	1000
Chrysene		<.033	<.066		390	1000
Dibenz(a,h)anthracene		**<.066**	**<.066**		0.39	1000
Fluoanthene		<.033	<.066		1000	1000
Fluorene		<.033	<.033		NA	NA
Indeno(1,2,3-cd)pyrene		<.066	<.066		3.9	1000
Naphthalene		<.033	<.033		1000	23
Phenanthrene		<.033	<.066		NA	NA
Pyrene		<.033	<.066		1000	1000
METALS					**CSEV worker**	**CSEV Groundwater**
Mercury	<.02	<.02	<.02	0.026	310	NA
Aluminum		10000	12000		900000	NA
Antimony		<2.0	<1.0		410	NA
Arsenic	<1.0	<1.0	1.1	1	1.6	NA
Barium	160	92	120	160	160000	NA
Beryllium		1.1	0.85		1900	NA
Cadmium	0.62	0.96	0.52	0.73	810	NA
Calcium		10000	7200		NA	NA
Chromium	14	7.1	10	15	150000	NA
Cobalt		11	18		1600	NA
Copper		40	6.7		41000	NA
Iron		24000	12000		310000	NA
Lead	23	33	10	20	800	NA
Magnesium	3300	6900	2300	3800	NA	NA
Manganese		580	290		16000	NA
Nickel		2.7	6.4		20000	NA
Potassium		4400	3300		NA	NA
Selenium	<5.0	<5.0	<1.0	<1.0	5100	NA
Silver	<.5	5	<.5	<.5	5100	NA
Sodium		330	700		NA	NA
Thallium		2.6	<1.0		72	NA
Vanadium		43	26		1000	NA
Zinc		84	35		310000	NA

Notes

mg/Kg - milligrams per kilogram, parts per million

<- analyte not detected at the laboratory practical quantitation limit

shaded cells indicate detections, bold values indicate exceedance of screening levels

OPS - Division of Oil and Public Safety screening level for petroleum hydrocarbons

CSEV - Colorado Soil Evaluation Values for worker who may occasionally contact soils

GPL - groundwater protection level, from CSEVs

Table 3

GROUNDWATER ANALYTICAL DATA

December 2009

11380 Smith Road, Aurora, Colorado

Parameter	SMW-02	SMW-03	Regulatory Screening Values
	(mg/L)	(mg/L)	(mg/L)
PETROLEUM HYDROCARBONS			
Diesel Range	<.10	<.10	NA
Motor Oil	<.50	<.50	NA
PCBs			**Groundwater Standard**
PCB 1016	0.0005	0.0005	<.017
PCB 1221	0.0005	0.0005	<.017
PCB 1232	0.0005	0.0005	<.017
PCB 1242	0.0005	0.0005	<.017
PCB 1248	0.0005	0.0005	<.017
PCB 1254	0.0005	0.0005	<.017
PCB 1260	0.0005	0.0005	<.017
VOLATILE ORGANIC HYDROCARBONS			**Groundwater Standard**
Acetone	<.05	<.05	NA
Benzene	<.0010	<.0010	0.005
Carbon Tetrachloride	<.0010	<.0010	0.00027
cis-1,2-Dichloroethene	<.0010	<.0010	0.07
Ethylbenzene	<.0010	<.0010	0.7
Naphthalene	<.0050	<.0050	0.14
Tetrachloroethene	<.0010	<.0010	0.005
Toluene	<.0050	<.0050	0.56
1,1,1-Trichloroethane	0.0093	<.0010	0.2
Trichloroethene	<.0010	<.0010	0.005
Vinyl Chloride	<.0010	<.0010	0.000023
Total Xylenes	<.0030	<.0030	1.4

Notes

mg/L - milligrams per liter, parts per million

NA - Not Applicable - no value given in standards

<- analyte not detected at the laboratory practical quantitation limit

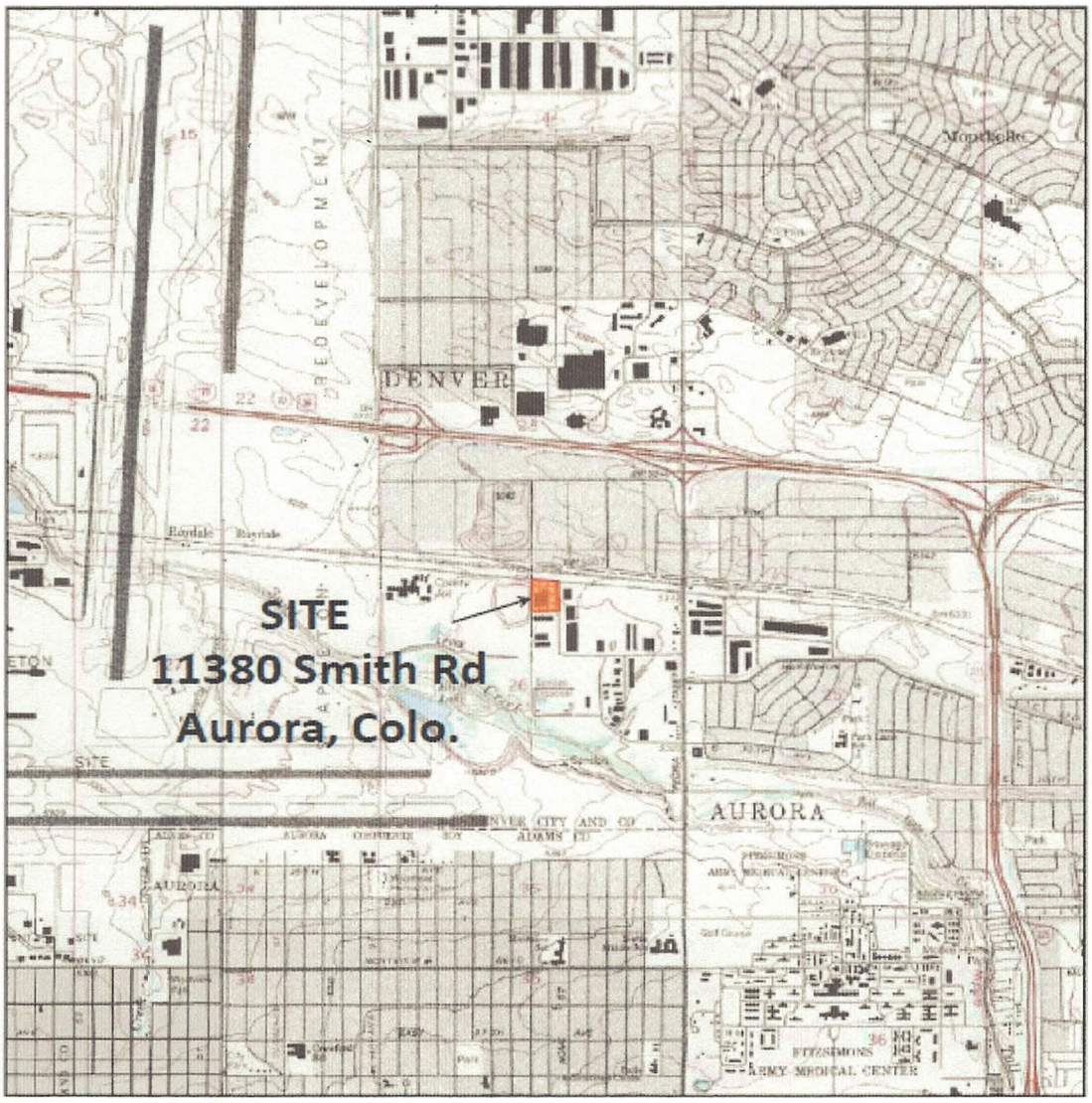
additional non-detect shown on lab sheets

shaded cells indicate detections, bold values indicate exceedance of screening levels

GW Standard - taken from Table A Groundwater Organic Chemical Standards CDPHE Reg 41

FIGURES

SITE VICINITY MAP



LEGEND:

BASE MAP TAKEN FROM USGS SABLE QUADRANGLE

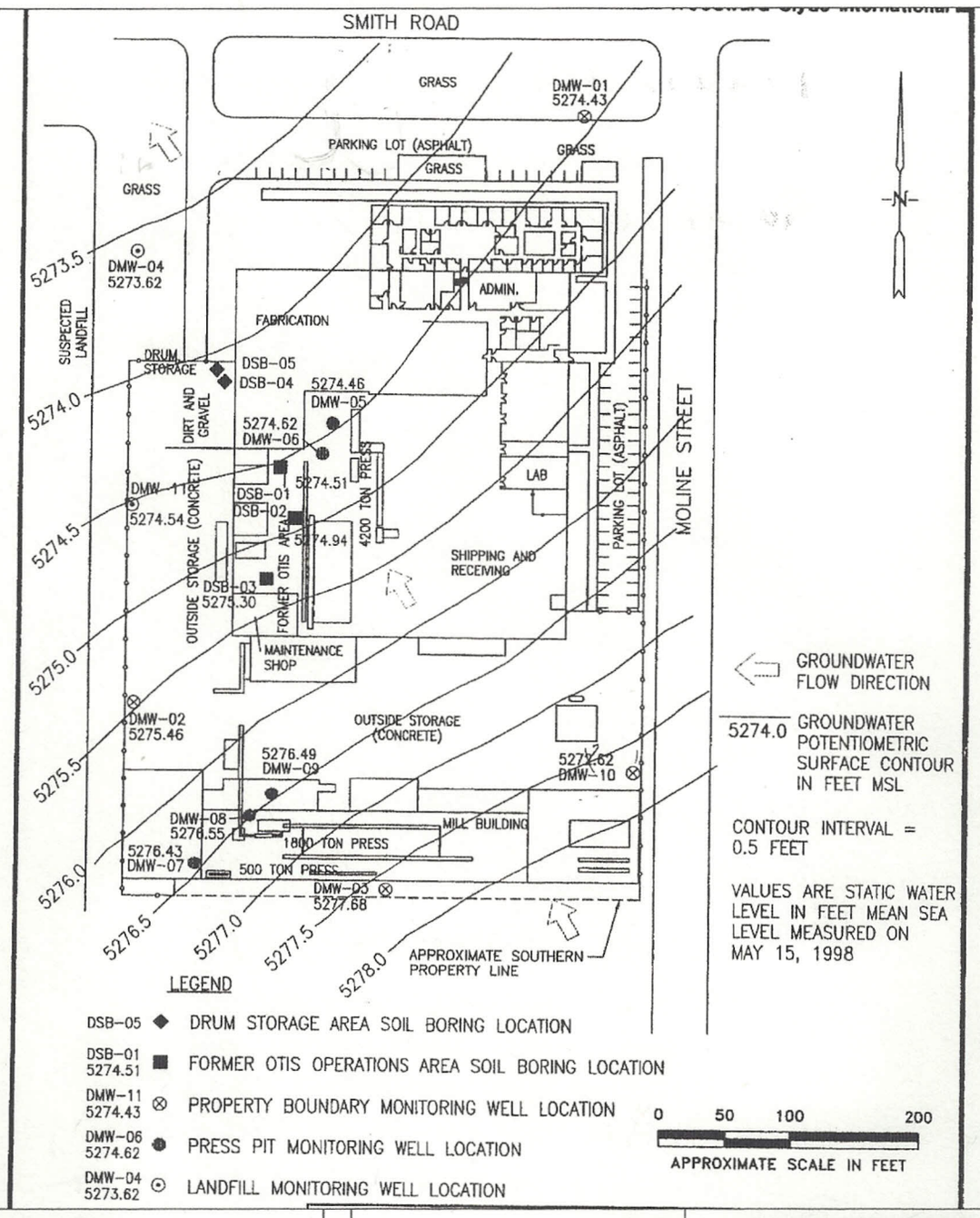
0 4000

SCALE: FEET

N

		Date:	AUGUST 31, 2010
11380 SMITH ROAD		Scale:	1 " = 2,000 FEET
AURORA, COLORADO		FIGURE 1	Strategic Environmental Management L.L.C.

1999 GROUNDWATER & BOREHOLE LOCATION MAP

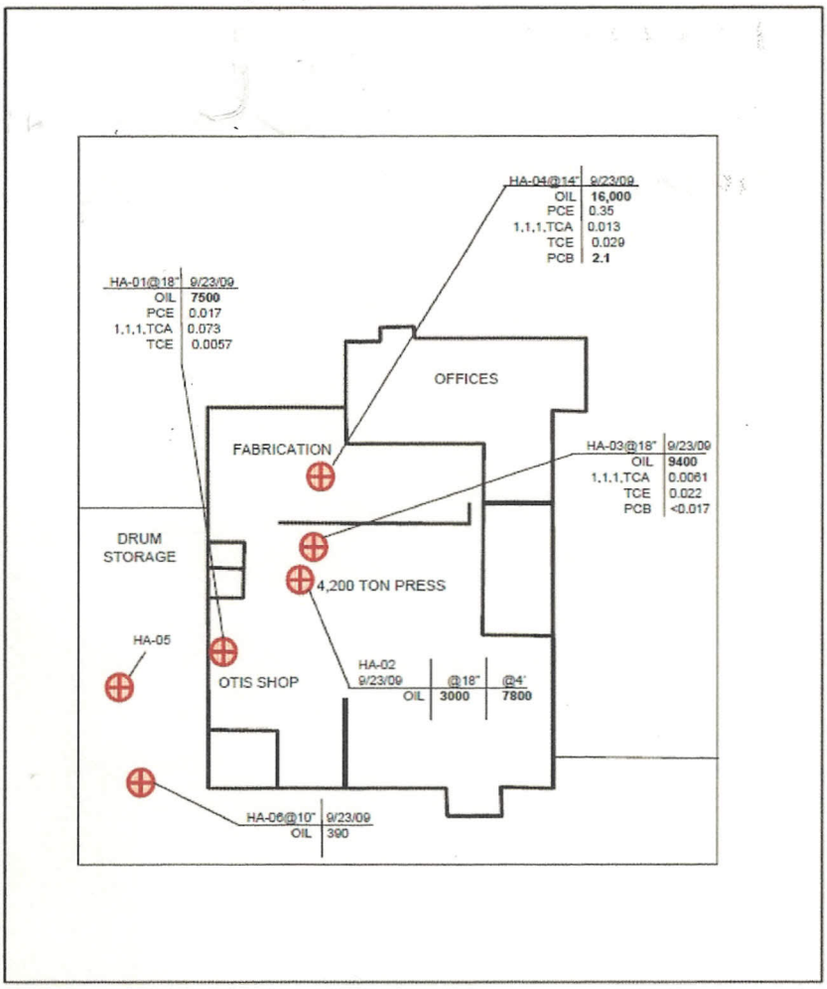


	Date:	AUGUST 31, 2010
11380 SMITH ROAD	Scale:	1 " = 100 FEET
AURORA, COLORADO	FIGURE 2	Strategic Environmental Management L.L.C.

2009 WALSH GROUNDWATER BORING LOCATION MAP

		Date:	AUGUST 31, 2010
11380 SMITH ROAD		Scale:	1 " = 148 FEET
AURORA, COLORADO		FIGURE 3	Strategic Environmental Management LLC.

2009 SOIL SAMPLE DETECTION MAP



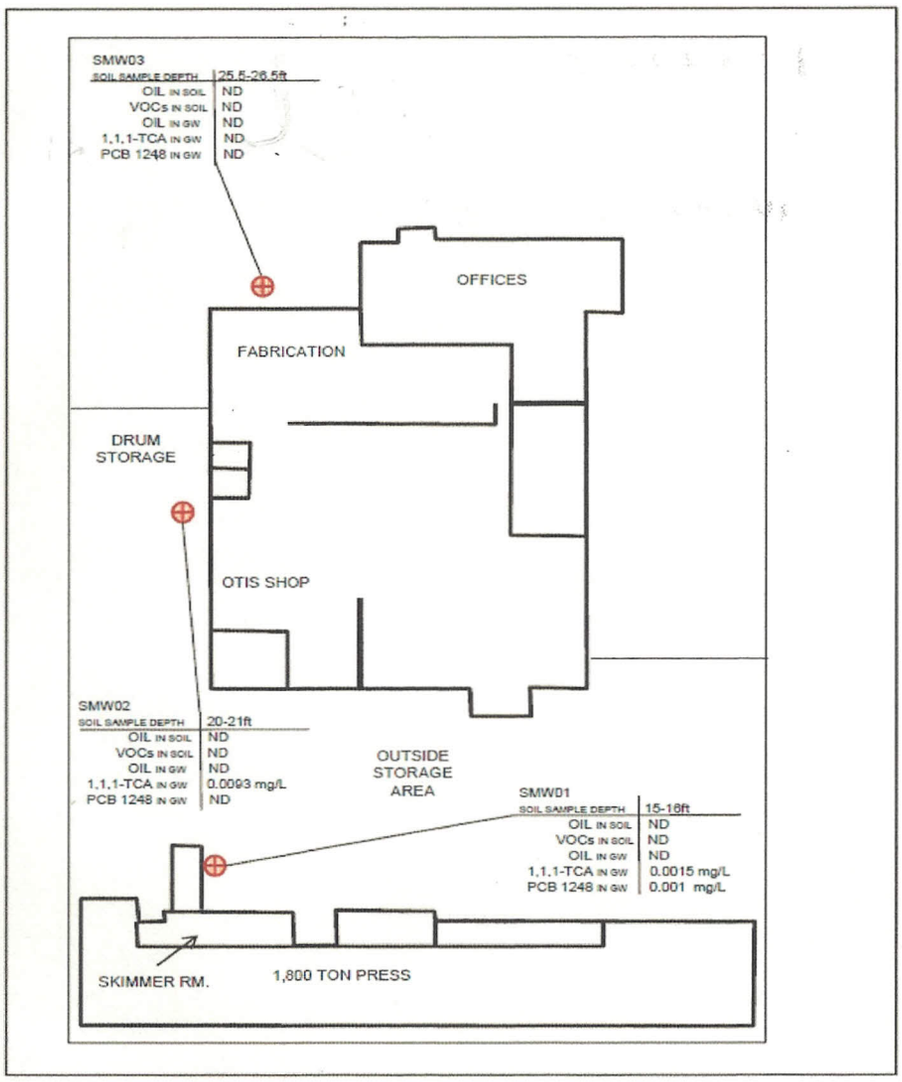
LEGEND:
SUNDANCE SOIL BORING
ALL VALUES ARE IN mg/kg

0 100
SCALE: FEET

N

	Date:	AUGUST 31, 2010
11380 SMITH ROAD	Scale:	1 " = 100 FEET
AURORA, COLORADO	FIGURE 4	Strategic Environmental Management LLC.

2009 GROUNDWATER DETECTION LOCATION MAP



LEGEND: ⊕ SUNDANCE GROUNDWATER MONITORING WELL

mg/L = MILLIGRAMS PER LITER

ND = NOT DETECTED

SOIL SAMPLES COLLECTED 12/17/09, GROUNDWATER (GW) SAMPLES COLLECTED 12/28/09

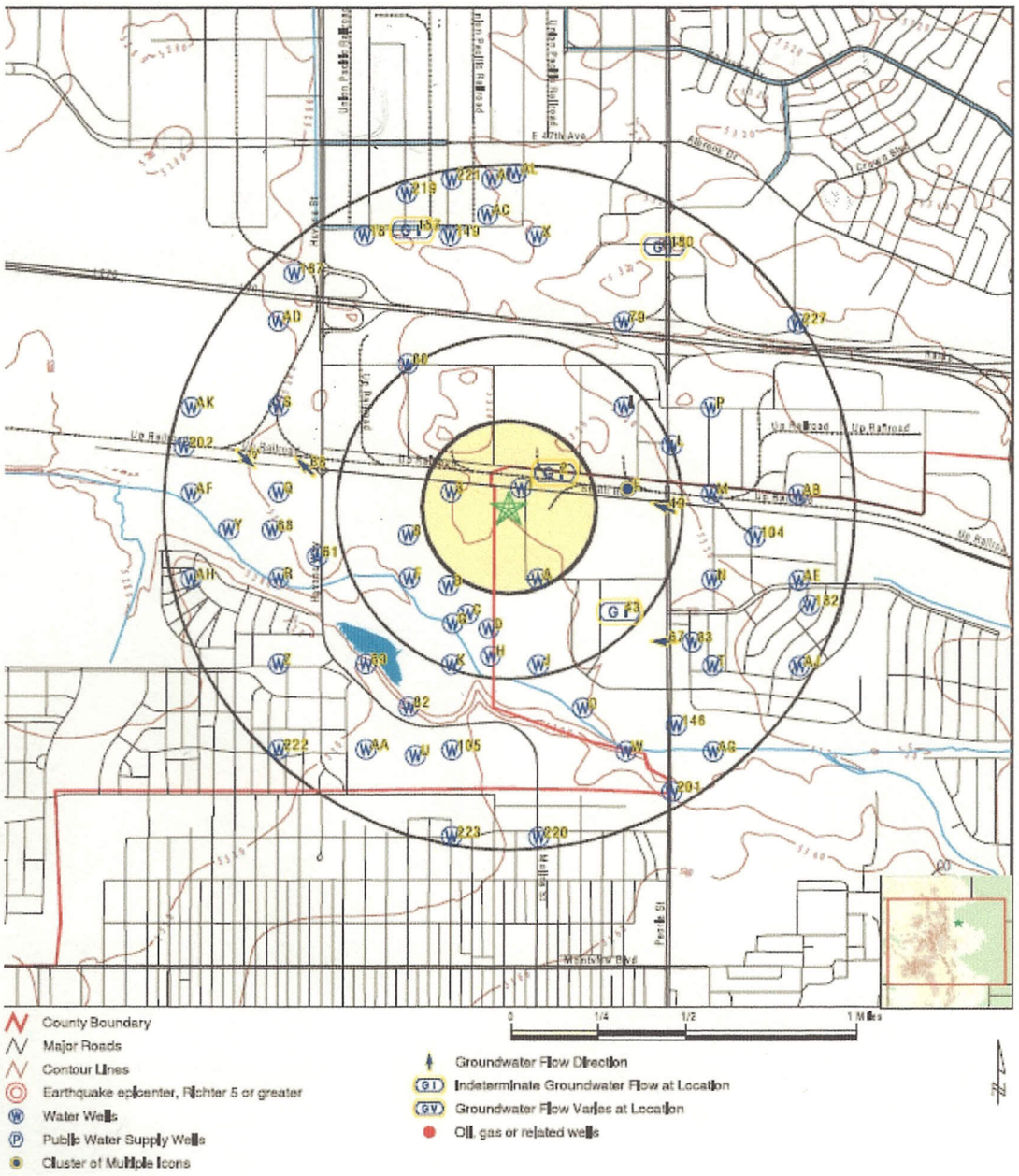
0 100

SCALE: FEET

N

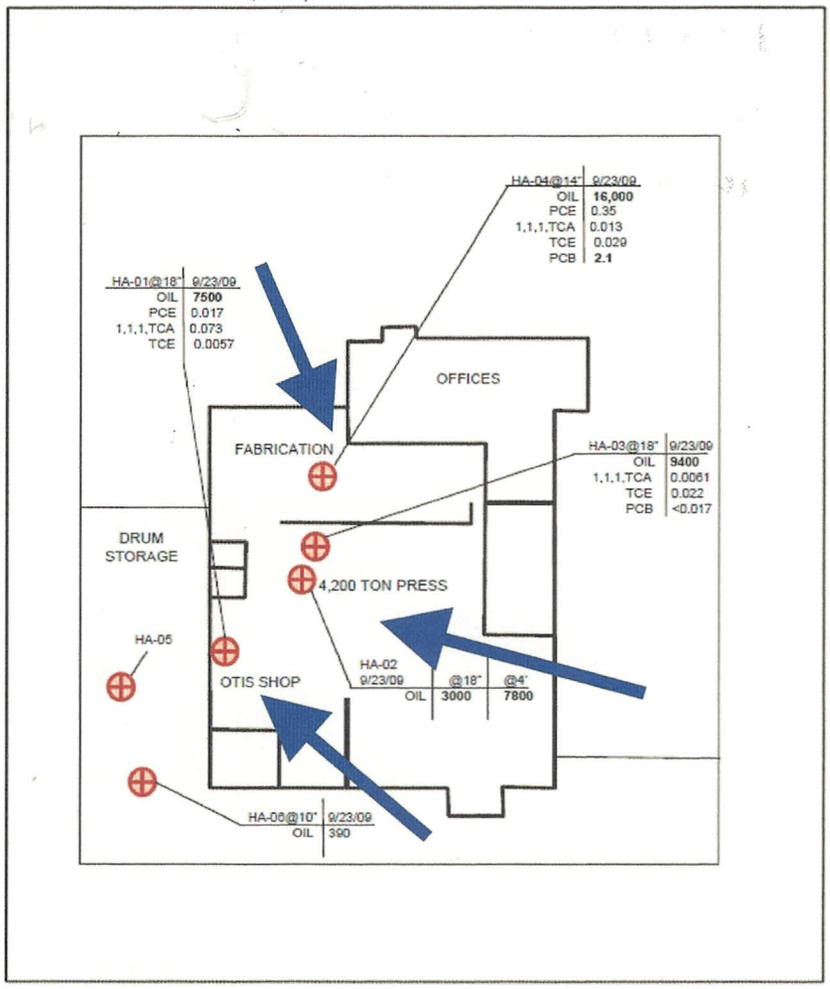
	Date:	AUGUST 31, 2010
11380 SMITH ROAD	Scale:	1 " = 100 FEET
AURORA, COLORADO	FIGURE 5	Strategic Environmental Management LLC.

WATER WELL MAP



		Date:	AUGUST 31, 2010
11380 SMITH ROAD		Scale:	1 " = ½ Mile
AURORA, COLORADO		FIGURE 6	Strategic Environmental Management LLC.

AREAS OF CONCERN



LEGEND:

SUNDANCE SOIL BORING

ALL VALUES ARE IN mg/kg

0 100

SCALE: FEET

N

	Date:	AUGUST 31, 2010
11380 SMITH ROAD	Scale:	1 " = 100 FEET
AURORA, COLORADO	FIGURE 7	Strategic Environmental Management LLC.