GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

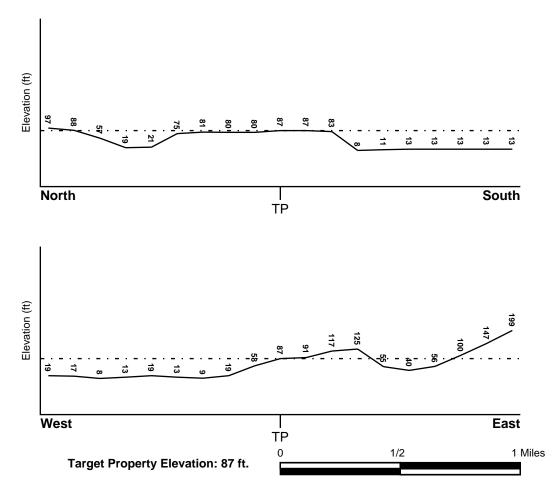
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
53011C0203D	FEMA FIRM Flood data
Additional Panels in search area:	FEMA Source Type
53011C0184D 53011C0200D 53011C0211D	FEMA FIRM Flood data FEMA FIRM Flood data FEMA FIRM Flood data
NATIONAL WETLAND INVENTORY	NWI Electronic
NWI Quad at Target Property RIDGEFIELD	<u>Data Coverage</u> YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:				
Search Radius:	1.25 miles			
Status:	Not found			

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

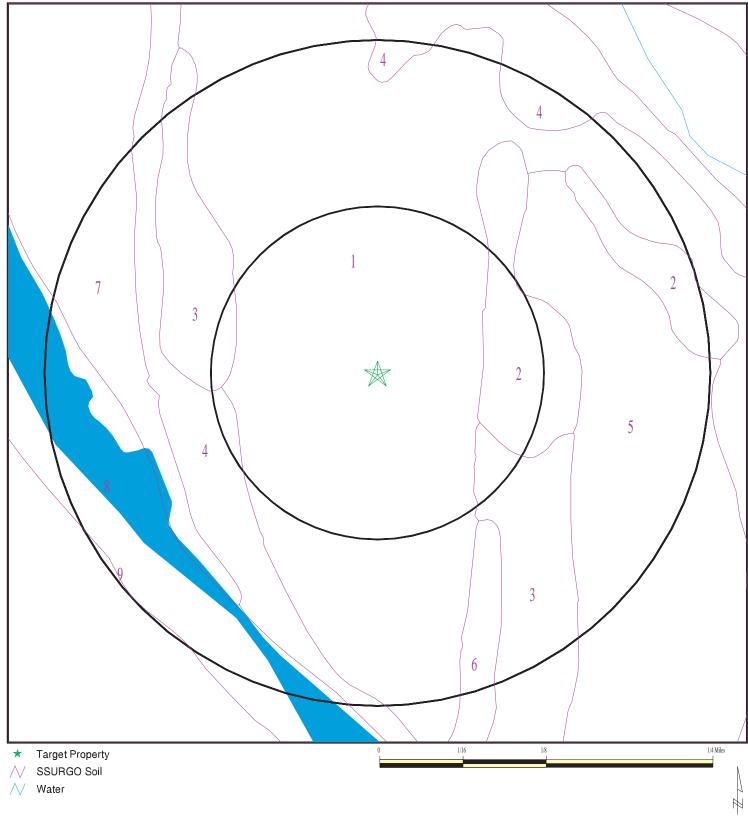
ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era:	Cenozoic Ca	tegory:	Stratifed Sequence
System:	Quaternary		
Series:	Quaternary		
Code:	Q (decoded above as Era, System & Series)		

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5199990.2s



SITE NAME:	Ridgefield Library
ADDRESS:	210 N Main Ave
	Ridgefield WA 98642
LAT/LONG:	45.816905 / 122.745824

CLIENT: BergerAbam CONTACT: Amber Roesler INQUIRY #: 5199990.2s DATE: February 26, 2018 7:09 pm	
CONTACT: Amber Roesler INQUIRY #: 5199990.2s DATE: February 26, 2018 7:09 pm	

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DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1	
Soil Component Name:	Hillsboro
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Soil Layer Information						
Boundary		Indary		Classification		Saturated hydraulic	
Layer Up	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1
2	7 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1
3	16 inches	55 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Layer Information								
	Boundary		Boundary		Classification		Saturated hydraulic	
Layer	Upper	er Lower Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)		
4	55 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1	

Soil Map ID: 2	
Soil Component Name:	Hillsboro
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Soil Layer Information						
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1
2	5 inches	14 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1

	Soil Layer Information						
	Boundary			Classi	ication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
3	14 inches	53 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
4	53 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1

Soil Map ID: 3	
Soil Component Name:	Hillsboro
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

Soil Layer Information							
Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
2	5 inches	14 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1
3	14 inches	53 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
4	53 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1

Soil Map ID: 4	
Soil Component Name:	Hillsboro
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Βοι	indary	Soil Texture Class A	Classification		Saturated	
Layer	Upper	Lower		AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	Soil Reactior (pH)
1	0 inches	1 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1
2	1 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1
3	9 inches	48 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
4	48 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1

Soil Map ID: 5	
Soil Component Name:	Hillsboro
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Boi	indary		Classification		Saturated	
Layer	Upper	Lower	Soil Texture Class A		Unified Soil	hydraulic conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1
2	7 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1
3	16 inches	55 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
4	55 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1

Soil Map ID: 6	
Soil Component Name:	Odne
Soil Surface Texture:	silt loam
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Poorly drained
Hydric Status: All hydric	
Corrosion Potential - Uncoated Steel:	Moderate
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 23 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6 Min: 5.1
2	5 inches	33 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0 Min: 0	Max: 6.5 Min: 4.5
3	33 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 6.5 Min: 5.6

Soil Map ID: 7	
Soil Component Name:	Sauvie
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Moderately well drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	Moderate
, ,	Moderate > 0 inches
Corrosion Potential - Uncoated Steel:	

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	14 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 6.5 Min: 6.1
2	14 inches	35 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 6.5 Min: 6.1
3	35 inches	59 inches	stratified sandy loam to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 7.3 Min: 6.1

Soil Map ID: 8	
Soil Component Name:	Water
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class: Hydric Status: All hydric	
Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches
No Layer Information available.	

Soil Map ID: 9

Soil Component Name:	Sauvie
Soil Surface Texture:	silty clay loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Somewhat poorly drained
Hydric Status: Not hydric	
Corrosion Potential - Uncoated Steel:	Moderate
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

			Soil Layer	r Information			
	Bou	Indary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	14 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 6.5 Min: 6.1
2	14 inches	35 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 6.5 Min: 6.1
3	35 inches	59 inches	stratified sandy loam to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 14	Max: 7.3 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS Federal FRDS PWS	1.000 Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40001210336	0 - 1/8 Mile WSW
3	USGS40001210354	1/8 - 1/4 Mile WNW
A4	USGS40001210384	1/4 - 1/2 Mile NNW
A5	USGS40001210385	1/4 - 1/2 Mile NNW
8	USGS40001210388	1/4 - 1/2 Mile NNW
C10	USGS40001210372	1/4 - 1/2 Mile ENE
C11	USGS40001210363	1/4 - 1/2 Mile ENE
C12	USGS40001210362	1/4 - 1/2 Mile ENE
D13	USGS40001210353	1/4 - 1/2 Mile East
D14	USGS40001210351	1/4 - 1/2 Mile East
E15	USGS40001210347	1/2 - 1 Mile East
E16	USGS40001210332	1/2 - 1 Mile East
E18	USGS40001210331	1/2 - 1 Mile East
G22	USGS40001210431	1/2 - 1 Mile NNW
29	USGS40001210467	1/2 - 1 Mile NNW
31	USGS40001210473	1/2 - 1 Mile North
32	USGS40001210321	1/2 - 1 Mile East
H35	USGS40001210488	1/2 - 1 Mile NNW
H36	USGS40001210489	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	WA5333344	1/8 - 1/4 Mile SE

Note: PWS System location is not always the same as well location.

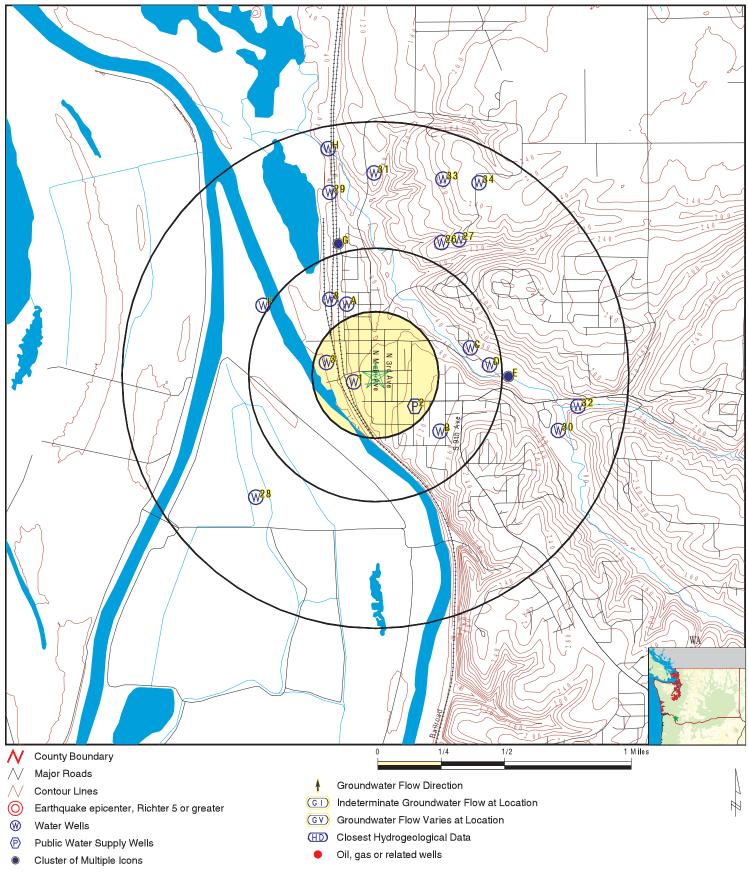
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B6	WA8000000025477	1/4 - 1/2 Mile SE
B7	WA800000031309	1/4 - 1/2 Mile SE
B9	WA800000025031	1/4 - 1/2 Mile SE
E17	WA800000017612	1/2 - 1 Mile East
F19	WA800000007988	1/2 - 1 Mile WNW
F20	WA800000016919	1/2 - 1 Mile WNW
E21	WA800000025030	1/2 - 1 Mile East

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E23	WA800000016874	1/2 - 1 Mile East
G24	WA800000010930	1/2 - 1 Mile NNW
E25	WA800000030876	1/2 - 1 Mile East
26	WA800000028995	1/2 - 1 Mile NNE
27	WA800000017024	1/2 - 1 Mile NNE
28	WA800000031197	1/2 - 1 Mile SW
30	WA800000013439	1/2 - 1 Mile ESE
33	WA800000030469	1/2 - 1 Mile NNE
34	WA80000002440	1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 5199990.2s



SITE NAME: Ridgefield Library	CLIENT: BergerAbam
ADDRESS: 210 N Main Ave	CONTACT: Amber Roesler
Ridgefield WA 98642	INQUIRY #: 5199990.2s
LAT/LONG: 45.816905 / 122.745824	DATE: February 26, 2018 7:09 pm
	Canadada a 2018 EDD, ha a 2015 Tam Tam Dal. 2015

irection istance					
evation				Database	EDR ID Numbe
SW 1/8 Mile ower				FED USGS	USGS4000121033
Org. Identifie	er:	USGS-WA			
Formal name		USGS Washington Wate	er Science Center		
Monloc Iden	tifier:	USGS-45490012244470			
Monloc nam	e:	04N/01E-18K01			
Monloc type	:	Well			
Monloc desc		Not Reported			
Huc code:		17080002	Drainagearea value:	Not Reported	
Drainageare	a Units:	Not Reported	Contrib drainagearea:	Not Reported	
Contrib drair	nagearea units:	Not Reported	Latitude:	45.8165039	
Longitude:	U	-122.747601	Sourcemap scale:	24000	
Horiz Acc m	easure:	1	Horiz Acc measure units:	seconds	
Horiz Collec	tion method:	Interpolated from map			
Horiz coord	refsys:	NAD83	Vert measure val:	248	
Vert measur	e units:	feet	Vertacc measure val:	5	
Vert accmea	asure units:	feet			
Vertcollectio	n method:	Interpolated from topogr	aphic map		
Vert coord re	efsys:	NGVD29	Countrycode:	US	
Aquifername	e:	Not Reported			
Formation ty	/pe:	Not Reported			
Aquifer type:	:	Not Reported			
Construction	n date:	19710225	Welldepth:	110	
Welldepth ur	nits:	ft	Wellholedepth:	Not Reported	
Wellholedep	oth units:	Not Reported			
Ground-wate	er levels, Numb	er of Measurements: 1			
	Feet below	Feet to			
Date	Surface	Sealevel			
1971-03-03	36				
E /8 - 1/4 Mile				FRDS PWS	WA5333344
igher					
Epa region:		10	State:	WA	
Pwsid:		WA5333344			
Pwsname:		PORT OF RIDGEFIELD			
City served:		Not Reported	State served:	WA	
Zip served:		Not Reported	Fips county:	53011	
Status:		Closed	Pop srvd:	100	
Pwssvcconn	1:	8	Source:	Groundwater	
Pws type:		NTNCWS	Owner:	Local_Govt	
() a set a set :		Not Deperted			

Contact address1:

Contact city:

Contact zip:

Contact:

Contactor gname:

Contact address2:

Contact phone:

Contact state:

Activity code:

Not Reported

Not Reported

Not Reported

Not Reported

WA

L

TC5199990.2s Page A-18

Not Reported

RIDGEFIELD

98642

Location Information:			
Name:	PORT OF RIDGEFIELD INDUS	FRIAL PARK	
Pwstypcd:	NTNCWS	Primsrccd:	GW
Popserved:	100		
Add1:	Not Reported		
Add2:	Not Reported		
City:	RIDGEFIELD	State:	WA
Zip:	98642	Phone:	Not Reported
Cityserv:	Not Reported	Cntyserv:	Not Reported
Stateserv:	WA	Zipserv:	Not Reported
PWS ID:	WA5333344		
Date Initiated:	Not Reported Date Dead	ctivated: Not Reported	
PWS Name:	PORT OF RIDGEFIELD IND PR	K WTR SYS	
	RIDGEFIELD, WA 98642		
Addressee / Facility:	Not Reported		
Facility Latitude:	45 48 55	Facility Longitude:	122 44 29
City Served:	Not Reported		
Treatment Class:	Treated	Population:	00000101
Violations information not r	reported.		
ENFORCEMENT INFORMAT	FION:		

System Name: Violation Type: Contaminant: Compliance Period: Violation ID: Enforcement Date:	PORT OF RIDGEFIELD INDUSTR Initial Tap Sampling for Pb and Cu LEAD & COPPER RULE 1997-07-01 - 2015-12-31 9800001 1999-01-15	Enf. Action:	Fed Violation/Reminder Notice
System Name: Violation Type: Contaminant: Compliance Period: Violation ID: Enforcement Date:	PORT OF RIDGEFIELD INDUSTR Initial Tap Sampling for Pb and Cu LEAD & COPPER RULE 1998-07-01 - 1998-12-31 99000001 Not Reported	Enf. Action:	Not Reported
System Name: Violation Type: Contaminant: Compliance Period: Violation ID: Enforcement Date:	PORT OF RIDGEFIELD INDUSTR Initial Tap Sampling for Pb and Cu LEAD & COPPER RULE 1998-07-01 - 2015-12-31 9900001 1999-01-15	Enf. Action:	Fed Violation/Reminder Notice

3 WNW 1/8 - 1/4 Mile Lower

C	ower			
	Org. Identifier:	USGS-WA		
	Formal name:	USGS Washington Water Scienc	e Center	
	Monloc Identifier:	USGS-454904122445501		
	Monloc name:	04N/01W-24G01		
	Monloc type:	Well		
	Monloc desc:	Not Reported		
	Huc code:	17080001	Drainagearea value:	Not Reported
	Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
	Contrib drainagearea units:	Not Reported	Latitude:	45.817615
	Longitude:	-122.7498233	Sourcemap scale:	24000

Horiz Acc me		5	Horiz Acc measure units:	seconds	
Horiz Collect		Interpolated from map			
Horiz coord r	•	NAD83	Vert measure val:	15	
Vert measure		feet	Vertacc measure val:	5	
Vert accmeas		feet	. ·		
Vertcollection		Interpolated from topograp	•	110	
Vert coord re		NGVD29	Countrycode:	US	
Aquifername		Not Reported			
Formation typ		Not Reported			
Aquifer type:		Not Reported		00	
Construction		19680101	Welldepth:	90 Nat Danasta d	
Welldepth un Wellholedept		ft Not Reported	Wellholedepth:	Not Reported	
weinioledept	un units.	Not Reported			
Ground-wate	-	per of Measurements: 1			
Data	Feet below	Feet to			
Date	Surface	Sealevel			
1968-03-01					
1 NW				FED USGS	USGS40001210384
4 - 1/2 Mile wer					
Org. Identifie	er:	USGS-WA			
		USGS-WA USGS Washington Water S	Science Center		
Org. Identifie	e:		Science Center		
Org. Identifie Formal name	e: tifier:	USGS Washington Water	Science Center		
Org. Identifie Formal name Monloc Ident	e: tifier: e:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well	Science Center		
Org. Identifie Formal name Monloc Ident Monloc name	e: tifier: e:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported			
Org. Identifie Formal name Monloc Ident Monloc name Monloc type:	e: tifier: e:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well	Drainagearea value:	Not Reported	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc	e: tifier: e: : :	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported		Not Reported Not Reported	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain	e: tifier: e: : :	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported	Drainagearea value:	•	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc Huc code: Drainagearea	e: tifier: e: : : : a Units:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported Not Reported -122.7481566	Drainagearea value: Contrib drainagearea:	Not Reported	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain	e: tifier: : : :: a Units: nagearea units:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported Not Reported -122.7481566 10	Drainagearea value: Contrib drainagearea: Latitude:	Not Reported 45.8209483	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain Longitude:	e: tifier: : : : a Units: nagearea units: easure:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported Not Reported -122.7481566	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale:	Not Reported 45.8209483 24000	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain Longitude: Horiz Acc me Horiz Collect Horiz coord r	e: tifier: e: a Units: hagearea units: easure: tion method: refsys:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported Not Reported -122.7481566 10	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale:	Not Reported 45.8209483 24000 seconds 55	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain Longitude: Horiz Acc me Horiz Collect	e: tifier: e: a Units: hagearea units: easure: tion method: refsys:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported Not Reported -122.7481566 10 Interpolated from map	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units:	Not Reported 45.8209483 24000 seconds	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain Longitude: Horiz Acc me Horiz Collect Horiz coord r	e: tifier: e: a Units: hagearea units: easure: tion method: refsys: e units:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported Not Reported -122.7481566 10 Interpolated from map NAD83 feet feet	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val:	Not Reported 45.8209483 24000 seconds 55	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain Longitude: Horiz Acc me Horiz Collect Horiz Collect Vert measure Vert accmeas	e: tifier: e: a Units: hagearea units: easure: tion method: refsys: e units: sure units: n method:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported -122.7481566 10 Interpolated from map NAD83 feet feet Interpolated from topograp	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: hic map	Not Reported 45.8209483 24000 seconds 55 5	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain Longitude: Horiz Acc me Horiz Collect Horiz Collect Vert measure Vert accmeas Vert accmeas	e: tifier: e: a Units: hagearea units: easure: tion method: refsys: e units: sure units: n method: efsys:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported -122.7481566 10 Interpolated from map NAD83 feet feet Interpolated from topograp NGVD29	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val:	Not Reported 45.8209483 24000 seconds 55	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain Longitude: Horiz Acc me Horiz Collect Horiz Collect Horiz coord r Vert measure Vert accmeas Vert collection Vert coord re Aquifername	e: tifier: e: a Units: hagearea units: easure: tion method: refsys: e units: sure units: n method: efsys: e;	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported -122.7481566 10 Interpolated from map NAD83 feet feet Interpolated from topograp NGVD29 Not Reported	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: hic map	Not Reported 45.8209483 24000 seconds 55 5	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain Longitude: Horiz Acc me Horiz Collect Horiz coord r Vert measure Vert accmeas Vert coord re Aquifername Formation typ	e: tifier: e: a Units: hagearea units: easure: tion method: refsys: e units: sure units: n method: efsys: s: pe:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported -122.7481566 10 Interpolated from map NAD83 feet feet Interpolated from topograp NGVD29 Not Reported Not Reported	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: hic map	Not Reported 45.8209483 24000 seconds 55 5	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain Longitude: Horiz Acc me Horiz Collect Horiz Collect Horiz coord r Vert measure Vert accmea: Vert coord re Aquifername Formation typ Aquifer type:	e: tifier: e: a Units: hagearea units: easure: tion method: refsys: e units: n method: sure units: n method: efsys: e: pe:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported -122.7481566 10 Interpolated from map NAD83 feet feet Interpolated from topograp NGVD29 Not Reported Not Reported Not Reported Not Reported	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: hic map Countrycode:	Not Reported 45.8209483 24000 seconds 55 5 US	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain Longitude: Horiz Acc me Horiz Collect Horiz Collect Vert measure Vert accmea Vert accmea Vert coord re Aquifername Formation typ Aquifer type: Construction	e: tifier: e: a Units: hagearea units: easure: tion method: refsys: e units: n method: sure units: n method: efsys: e: pe: date:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported -122.7481566 10 Interpolated from map NAD83 feet feet Interpolated from topograp NGVD29 Not Reported Not Reported	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: hic map Countrycode: Welldepth:	Not Reported 45.8209483 24000 seconds 55 5 US	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain Longitude: Horiz Acc me Horiz Collect Horiz Collect Vert measure Vert accmea Vert coord re Aquifername Formation typ Aquifer type: Construction	e: tifier: e: a Units: hagearea units: easure: tion method: refsys: e units: n method: efsys: sure units: n method: efsys: e: pe: date: hits:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported -122.7481566 10 Interpolated from map NAD83 feet feet Interpolated from topograp NGVD29 Not Reported Not Reported Not Reported Not Reported 19650101 ft	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: hic map Countrycode:	Not Reported 45.8209483 24000 seconds 55 5 US	
Org. Identifie Formal name Monloc Ident Monloc name Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain Longitude: Horiz Acc me Horiz Collect Horiz Collect Vert accmea Vert accmea Vert accmea Vert coord re Aquifername Formation typ Aquifer type: Construction	e: tifier: e: a Units: hagearea units: easure: tion method: refsys: e units: n method: efsys: sure units: n method: efsys: e: pe: date: hits:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported -122.7481566 10 Interpolated from map NAD83 feet feet Interpolated from topograp NGVD29 Not Reported Not Reported Not Reported Not Reported 19650101	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: hic map Countrycode: Welldepth:	Not Reported 45.8209483 24000 seconds 55 5 US	
Org. Identifie Formal name Monloc Ident Monloc Ident Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain Longitude: Horiz Acc me Horiz Collect Horiz Collect Horiz coord r Vert accmea: Vert accmea: Vert coord re Aquifername Formation typ Aquifer type: Construction Welldepth un	e: tifier: e: a Units: hagearea units: easure: tion method: refsys: e units: n method: sure units: n method: ofsys: e date: hits: th units:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported -122.7481566 10 Interpolated from map NAD83 feet feet Interpolated from topograp NGVD29 Not Reported Not Reported Not Reported Not Reported 19650101 ft	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: hic map Countrycode: Welldepth:	Not Reported 45.8209483 24000 seconds 55 5 US	
Org. Identifie Formal name Monloc Ident Monloc Ident Monloc type: Monloc desc: Huc code: Drainagearea Contrib drain Longitude: Horiz Acc me Horiz Collect Horiz Collect Horiz coord r Vert accmea: Vert accmea: Vert coord re Aquifername Formation typ Aquifer type: Construction Welldepth un	e: tifier: e: a Units: hagearea units: easure: tion method: refsys: e units: n method: sure units: n method: ofsys: e date: hits: th units:	USGS Washington Water S USGS-454916122444901 04N/01W-24B03 Well Not Reported 17080001 Not Reported -122.7481566 10 Interpolated from map NAD83 feet feet Interpolated from topograp NGVD29 Not Reported Not Reported Not Reported 19650101 ft Not Reported	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: hic map Countrycode: Welldepth:	Not Reported 45.8209483 24000 seconds 55 5 US	

A5 NNW 1/4 - 1/2 Mile Lower

Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type:	USGS-WA USGS Washington Water Scienc USGS-454916122444902 04N/01W-24B02 Well	e Center	
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	•	Latitude:	45.8209483
Longitude:	-122.7481566	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	55
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic ma	ap	
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19700101	Welldepth:	143
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1 Feet below Feet to Sealevel

Date Surface

1971-02-01 49

B6 SE 1/4 - 1/2 Mile Higher

Fid: 25476 65518 Lerootid: Srcrootid: 23091 Pwsid: 72400 7240010 Srcnum: 10 Pwssrcid: RIDGEFIELD PUBLIC WORKS Systemname: Systemgrou: А Systemtype: Comm Region: SW County: CLARK Smaid: Not Reported Ftrespopul: 1833 4931 Resconnect: Totalconne: 2023 Srcname: PAT PARK #2 Srctype: W Srcusecode: Е Srcwelldep: 165 Township: 04 Range : 01E Section: 19 SWNW Qtrqtrsect: -122.740799 Longitude: Latitude: 45.81364 Latlongmet: QtrQtrSection Srcsuscept: Ν Srcvulnioc: Not Reported Srcvulnvoc: Not Reported Srcvulnsoc: Not Reported Doewelltag: Not Reported Srctot6mo: 0 Srctot1yr: 0 Srctot5yr: 0 Srctot10yr: 0 3608873897 Protection: Assigned Pricontact:

WA WELLS WA800000025477

Priconta 1:	Not Reported	Priconta 2:	PO BOX 608
Priconta 3:	RIDGEFIELD	Priconta 4:	WA
Priconta 5:	98642		
Priconta 6:	scott.brunson@ci.ridgef	ield.wa.us	
Pwseffecti:	01-JAN-70	Pwsstatusi:	А
Pwsinactiv:	Not Reported	Srcstatusi:	I
Srceffecti:	16-OCT-07	Srcinactiv:	16-OCT-07
Floodzonei:	Ν	Priconta 7:	R SCOTT BRUNSON
Srcswinflu:	U	Latlongdat:	Not Reported
Site id:	WA800000025477	-	

B7 SE 1/4 - 1/2 Mile Higher

WA WELLS WA800000031309

Fid: 31308 Lerootid: 65518 Srcrootid: 23083 72400 Pwsid: 7240001 Srcnum: 01 Pwssrcid: Systemname: RIDGEFIELD PUBLIC WORKS Systemgrou: А Systemtype: Comm Region: SW CLARK County: Smaid: Not Reported 4931 Ftrespopul: 1833 Resconnect: PAT PARK #1 Totalconne: 2023 Srcname: Srctype: W Srcusecode: Е 34 04 Srcwelldep: Township: Range : 01E 19 Section: SWNW Qtrqtrsect: Longitude: -122.740799 Latitude: 45.81364 Latlongmet: QtrQtrSection Srcsuscept: Ν Not Reported Not Reported Srcvulnioc: Srcvulnvoc: Srcvulnsoc: Not Reported Doewelltag: Not Reported Srctot6mo: 0 Srctot1yr: 0 Srctot5yr: 0 Srctot10yr: 0 Protection: Pricontact: 3608873897 Assigned PO BOX 608 Not Reported Priconta 1: Priconta 2: RIDGEFIELD WA Priconta 3: Priconta 4: Priconta 5: 98642 Priconta 6: scott.brunson@ci.ridgefield.wa.us Pwseffecti: 01-JAN-70 Pwsstatusi: А Pwsinactiv: Not Reported Srcstatusi: Т Srcinactiv: Srceffecti: 16-OCT-07 16-OCT-07

Priconta 7:

Latlongdat:

8 NNW 1/4 - 1/2 Mile Lower

Floodzonei:

Srcswinflu:

Site id:

Ν

U

WA800000031309

FED USGS USGS40001210388

R SCOTT BRUNSON

Not Reported

Org. Identifier: Formal name:	USGS-WA USGS Washington Water Science	ce Center	
Monloc Identifier:	USGS-454917122445401		
Monloc name:	04N/01W-24B01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17080001	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.8212261
Longitude:	-122.7495456	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic ma	ар	
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19751001	Welldepth:	139
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1 Feet below Feet to Sealevel

Date Surface

1975-10-01 29

B9 SE 1/4 - 1/2 Mile Higher

25030 65518 Lerootid:

Fid:	25030	Lerootid:	65518
Srcrootid:	30990	Pwsid:	72400
Srcnum:	16	Pwssrcid:	7240016
Systemname:	RIDGEFIELD PUBLIC WORKS	Systemgrou:	А
Systemtype:	Comm	Region:	SW
County:	CLARK	Smaid:	Not Reported
Ftrespopul:	4931	Resconnect:	1833
Totalconne:	2023	Srcname:	ABRAMS #10 APP678
Srctype:	W	Srcusecode:	Р
Srcwelldep:	135	Township:	04
Range :	01E	Section:	19
Qtrqtrsect:	SENW		
Longitude:	-122.74		
Latitude:	45.8138		
Latlongmet:	QtrQtrSe	Srcsuscept:	М
Srcvulnioc:	L	Srcvulnvoc:	М
Srcvulnsoc:	L	Doewelltag:	APP678
Srctot6mo:	0	Srctot1yr:	0
Srctot5yr:	0	Srctot10yr:	0
Protection:	Assigned	Pricontact:	3608873897

WA WELLS WA800000025031

Priconta 1:		Not Reported	Priconta 2:	PO BOX 608	
Priconta 3:		RIDGEFIELD	Priconta 4:	WA	
Priconta 5:		98642			
Priconta 6:		scott.brunson@ci.ridgefield.wa.u	18		
Pwseffecti:		01-JAN-70	Pwsstatusi:	А	
Pwsinactiv:		Not Reported	Srcstatusi:	A	
Srceffecti:		19-JUL-07	Srcinactiv:	Not Reported	
Floodzonei:		N	Priconta 7:	R SCOTT BRUNSO	N
Srcswinflu:		N	Latlongdat:	Not Reported	N
Site id:		WA800000025031	Lationguat.	Not Reported	
One iu.		WA00000023031			
C10					
				FED USGS	USGS40001210372
1/4 - 1/2 Mile Lower					
Org. Identifi	or	USGS-WA			
Formal nam		USGS Washington Water Science	ce Center		
Monloc Ider		USGS-454909122441401	ce Center		
Monloc nam		04N/01E-19E03			
Monloc type		Well			
Monloc des		Not Reported			
Huc code:	0.	17080002	Drainagearea value:	Not Reported	
	o Linito:				
Drainageare		Not Reported	Contrib drainagearea:	Not Reported	
	nagearea units:		Latitude:	45.8190039	
Longitude:		-122.7384343	Sourcemap scale:	24000	
Horiz Acc m		5 Internelated from mon	Horiz Acc measure units:	seconds	
	ction method:	Interpolated from map		10	
Horiz coord	•	NAD83	Vert measure val:	40	
Vert measu		feet	Vertacc measure val:	5	
Vert accmea		feet			
Vertcollectio		Interpolated from topographic ma			
Vert coord r		NGVD29	Countrycode:	US	
Aquifernam		Not Reported			
Formation ty		Not Reported			
Aquifer type		Not Reported			
Construction		19550523	Welldepth:	65	
Welldepth u		ft	Wellholedepth:	Not Reported	
Wellholedep	oth units:	Not Reported			
Ground-wat	er levels. Numb	per of Measurements: 1			
	Feet below	Feet to			
Date	Surface	Sealevel			
 1955-05-23	38				
	38				
C11 ENE				FED USGS	USGS40001210363
1/4 - 1/2 Mile				1 20 0000	00001210000
Lower					
Org. Identifi	er:	USGS-WA			
Formal nam		USGS Washington Water Science	ce Center		
Monloo Idor					

Formal name:USGS-WAFormal name:USGS Washington Water Science CMonloc Identifier:USGS-454906122441202Monloc name:04N/01E-19E02Monloc type:WellMonloc desc:Not ReportedHuc code:17080002Drainagearea Units:Not ReportedContrib drainagearea units:Not ReportedLongitude:-122.7378787

Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale:

Not Reported Not Reported 45.8181705 24000

Horiz Acc	measure:	5	Horiz Acc measure units:	seconds	
	ection method:	Interpolated from map			
Horiz cool	•	NAD83	Vert measure val:	35	
Vert meas		feet	Vertacc measure val:	5	
	easure units:	feet			
	tion method:	Interpolated from topographi		110	
Vert coord	•	NGVD29	Countrycode:	US	
Aquiferna		Not Reported			
Formation		Not Reported			
Aquifer typ Construction		Not Reported 19320101	Welldepth:	35	
Welldepth		ft	Wellholedepth:		
•	epth units:	Not Reported	weinioledeptil.	Not Reported	
		er of Measurements: 1			
Ground-w	Feet below	Feet to			
Date	Surface	Sealevel			
1947-10-0)1 22				
2 NE				FED USGS	USGS40001210362
4 - 1/2 Mile wer	9				
Org. Ident	ifier:	USGS-WA			
Formal na	ime:	USGS Washington Water So	cience Center		
Monloc Id	entifier:	USGS-454906122441201			
Monloc na	ame:	04N/01E-19E01			
		04N/01E-19E01 Well			
Monloc na	pe:	Well Not Reported			
Monloc na Monloc ty Monloc de Huc code:	pe: esc:	Well Not Reported 17080002	Drainagearea value:	Not Reported	
Monloc na Monloc ty Monloc de Huc code: Drainagea	pe: esc: area Units:	Well Not Reported 17080002 Not Reported	Drainagearea value: Contrib drainagearea:	Not Reported	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr	pe: esc: area Units: ainagearea units:	Well Not Reported 17080002 Not Reported Not Reported	Contrib drainagearea: Latitude:	Not Reported 45.8181705	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude	pe: esc: area Units: ainagearea units: :	Well Not Reported 17080002 Not Reported Not Reported -122.7378787	Contrib drainagearea: Latitude: Sourcemap scale:	Not Reported 45.8181705 24000	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc	pe: asc: area Units: ainagearea units: : measure:	Well Not Reported 17080002 Not Reported Not Reported -122.7378787 5	Contrib drainagearea: Latitude:	Not Reported 45.8181705	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc Horiz Coll	pe: asc: area Units: ainagearea units: : measure: ection method:	Well Not Reported 17080002 Not Reported Not Reported -122.7378787 5 Interpolated from map	Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units:	Not Reported 45.8181705 24000 seconds	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc Horiz Coll Horiz cool	pe: asc: area Units: ainagearea units: : measure: ection method: rd refsys:	Well Not Reported 17080002 Not Reported -122.7378787 5 Interpolated from map NAD83	Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val:	Not Reported 45.8181705 24000 seconds 35	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc Horiz Coll Horiz cool Vert meas	pe: asc: area Units: ainagearea units: : measure: ection method: rd refsys: sure units:	Well Not Reported 17080002 Not Reported -122.7378787 5 Interpolated from map NAD83 feet	Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units:	Not Reported 45.8181705 24000 seconds	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc Horiz Coll Horiz cool Vert meas Vert accm	pe: asc: area Units: ainagearea units: : measure: ection method: rd refsys: sure units: neasure units:	Well Not Reported 17080002 Not Reported Not Reported -122.7378787 5 Interpolated from map NAD83 feet feet	Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val:	Not Reported 45.8181705 24000 seconds 35	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc Horiz Coll Horiz cool Vert meas Vert accm	pe: esc: area Units: ainagearea units: : measure: ection method: rd refsys: sure units: ueasure units: tion method:	Well Not Reported 17080002 Not Reported Not Reported -122.7378787 5 Interpolated from map NAD83 feet feet Interpolated from topographi	Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: c map	Not Reported 45.8181705 24000 seconds 35 5	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc Horiz Coll Horiz cool Vert meas Vert accm Vert coord Vert coord	pe: esc: area Units: ainagearea units: : measure: ection method: rd refsys: sure units: teasure units: tion method: d refsys:	Well Not Reported 17080002 Not Reported Not Reported -122.7378787 5 Interpolated from map NAD83 feet feet Interpolated from topographi NGVD29	Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val:	Not Reported 45.8181705 24000 seconds 35	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc Horiz Coll Horiz cool Vert meas Vert accm Vert collec Vert coord Aquiferna	pe: esc: area Units: ainagearea units: : measure: ection method: rd refsys: sure units: teasure units: tion method: d refsys: me:	Well Not Reported 17080002 Not Reported Not Reported -122.7378787 5 Interpolated from map NAD83 feet feet Interpolated from topographi NGVD29 Not Reported	Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: c map	Not Reported 45.8181705 24000 seconds 35 5	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc Horiz Coll Horiz cool Vert meas Vert accm Vertcollec Vert coord Aquifernal Formation	pe: esc: area Units: ainagearea units: : measure: ection method: rd refsys: ueasure units: tion method: d refsys: me: etype:	Well Not Reported 17080002 Not Reported Not Reported -122.7378787 5 Interpolated from map NAD83 feet feet Interpolated from topographi NGVD29 Not Reported Not Reported	Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: c map	Not Reported 45.8181705 24000 seconds 35 5	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc Horiz Coll Horiz cool Vert meas Vert accm Vert collec Vert coord Aquifernal Formation Aquifer ty	pe: esc: area Units: ainagearea units: : measure: ection method: rd refsys: sure units: tion method: d refsys: me: o type: pe:	Well Not Reported 17080002 Not Reported Not Reported -122.7378787 5 Interpolated from map NAD83 feet feet Interpolated from topographi NGVD29 Not Reported Not Reported Not Reported	Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: c map Countrycode:	Not Reported 45.8181705 24000 seconds 35 5 US	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc Horiz Coll Horiz cool Vert meas Vert accm Vert coord Aquifernal Formation Aquifer ty Constructi	pe: esc: area Units: ainagearea units: : measure: ection method: rd refsys: ueasure units: tion method: d refsys: me: o type: pe: ion date:	Well Not Reported 17080002 Not Reported Not Reported -122.7378787 5 Interpolated from map NAD83 feet feet Interpolated from topographi NGVD29 Not Reported Not Reported Not Reported 19470101	Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: c map Countrycode: Welldepth:	Not Reported 45.8181705 24000 seconds 35 5 US	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc Horiz Coll Horiz cool Vert meas Vert accm Vert coord Aquifernal Formation Aquifer ty Constructi Welldepth	pe: esc: area Units: ainagearea units: : measure: ection method: rd refsys: ueasure units: tion method: d refsys: me: o type: pe: ion date: units:	Well Not Reported 17080002 Not Reported -122.7378787 5 Interpolated from map NAD83 feet feet Interpolated from topographi NGVD29 Not Reported Not Reported Not Reported 19470101 ft	Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: c map Countrycode:	Not Reported 45.8181705 24000 seconds 35 5 US	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc Horiz Coll Horiz cool Vert meas Vert accm Vert coord Aquifernal Formation Aquifer ty Constructi Welldepth	pe: esc: area Units: ainagearea units: : measure: ection method: rd refsys: ueasure units: tion method: d refsys: me: o type: pe: ion date:	Well Not Reported 17080002 Not Reported Not Reported -122.7378787 5 Interpolated from map NAD83 feet feet Interpolated from topographi NGVD29 Not Reported Not Reported Not Reported 19470101	Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: c map Countrycode: Welldepth:	Not Reported 45.8181705 24000 seconds 35 5 US	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc Horiz Coll Horiz cool Vert meas Vert accm Vert coorc Aquifernal Formation Aquifer ty Constructi Welldepth Wellholed	pe: esc: area Units: ainagearea units: measure: ection method: rd refsys: ueasure units: tion method: d refsys: me: of type: pe: ion date: of units: epth units: ater levels, Numb	Well Not Reported 17080002 Not Reported -122.7378787 5 Interpolated from map NAD83 feet feet Interpolated from topographi NGVD29 Not Reported Not Reported Not Reported 19470101 ft Not Reported er of Measurements: 1	Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: c map Countrycode: Welldepth:	Not Reported 45.8181705 24000 seconds 35 5 US	
Monloc na Monloc ty Monloc de Huc code: Drainagea Contrib dr Longitude Horiz Acc Horiz Coll Horiz cool Vert meas Vert accm Vert coorc Aquifernal Formation Aquifer ty Constructi Welldepth Wellholed	pe: esc: area Units: ainagearea units: measure: ection method: rd refsys: sure units: tion method: d refsys: me: tion method: d refsys: me: type: pe: ion date: units: epth units:	Well Not Reported 17080002 Not Reported -122.7378787 5 Interpolated from map NAD83 feet feet Interpolated from topographi NGVD29 Not Reported Not Reported Not Reported 19470101 ft Not Reported	Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: c map Countrycode: Welldepth:	Not Reported 45.8181705 24000 seconds 35 5 US	

1947-10-01 22

D13 East 1/4 - 1/2 Mile Lower

Org. Identifier: Formal name: Monloc Identifier: Monloc name:	USGS-WA USGS Washington Water Science USGS-454904122440801	e Center	
Monloc type:	04N/01E-19F01 Well		
Monloc type. Monloc desc:	Not Reported		
Huc code:	17080002	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	•	Latitude:	45.817615
Longitude:	-122.7367675	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	38
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic ma	ар	
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19650419	Welldepth:	163
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1 Feet below Feet to Date Surface Sealevel

-----1967-02-01 21

D14

East 1/4 - 1/2 Mile Lower

Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type:	USGS-WA USGS Washington Water Scienc USGS-454903122440621 04N/01E-19F03 Well	e Center	
Monloc desc:	Not Reported		
Huc code:	17080002	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.8173372
Longitude:	-122.736212	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	9999.99
Vert measure units:	feet	Vertacc measure val:	999
Vert accmeasure units:	feet		
Vertcollection method:	Unknown		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type: Construction date: Welldepth units: Wellholedepth units:	Not Reported 19940101 ft Not Reported	Welldepth: Wellholedepth:	167 Not Reported	
Ground-water levels, Numb	er of Measurements: 0			
E15 East 1/2 - 1 Mile Lower			FED USGS	USGS40001210347
Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units: Longitude: Horiz Acc measure: Horiz Collection method:	-122.7353786 1 Interpolated from map	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units:	Not Reported Not Reported 45.8170594 Not Reported seconds	
Horiz coord refsys: Vert measure units: Vert accmeasure units: Vertcollection method:	NAD83 feet feet Interpolated from topographic ma	Vert measure val: Vertacc measure val:	40 5	
Vert coord refsys: Aquifername: Formation type: Aquifer type:	NGVD29 Not Reported Not Reported Not Reported	Countrycode:	US	
Construction date: Welldepth units: Wellholedepth units:	19860524 ft Not Reported	Welldepth: Wellholedepth:	208 Not Reported	

Ground-water levels, Number of Measurements: 0

E16 East 1/2 - 1 Mile Higher

Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type:	USGS-WA USGS Washington Water Science USGS-454859122440301 04N/01E-21G02 Well	ce Center	
Monloc desc:	Not Reported		
Huc code:	17080002	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.8162261
Longitude:	-122.7353786	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	244
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic ma	ар	
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported	-	
Formation type:	Not Reported		
	-		

Aquifer type: Construction		Not Reported 19711009	Welldepth:	240
Welldepth ur	nits:	ft	Wellholedepth:	Not Reported
Wellholedept	th units:	Not Reported		
Ground-wate		ber of Measurements: 1		
Date	Feet below Surface	Feet to Sealevel		
 1971-10-20	174			
17				
ast 2 - 1 Mile ower				WA WELLS WA80000001761
Fid:		17611	Lerootid:	65518
Srcrootid:		23089	Pwsid:	72400
Srcnum:		08	Pwssrcid:	7240008
Systemname	e:	RIDGEFIELD PUBLIC WORKS	Systemgrou:	A
Systemtype:		Comm	Region:	SW
County:		CLARK	Smaid:	Not Reported
Ftrespopul:		4931	Resconnect:	1833
Totalconne:		2023	Srcname:	ABRAMS #8 WW AFP607
Srctype:		WW	Srcusecode:	Р
Srcwelldep:		153	Township:	04
Range :		01E	Section:	19
Qtrqtrsect:		SENW		
Longitude:		-122.735067		
Latitude:		45.817113		
Latlongmet:		GPS	Srcsuscept:	L
Srcvulnioc:		Μ	Srcvulnvoc:	Μ
Srcvulnsoc:		L	Doewelltag:	AFP607
Srctot6mo:		0	Srctot1yr:	0
Srctot5yr:		0	Srctot10yr:	0
Protection:		Model	Pricontact:	3608873897
Priconta 1:		Not Reported	Priconta 2:	PO BOX 608
Priconta 3:		RIDGEFIELD	Priconta 4:	WA
Priconta 5:		98642		
Priconta 6:		scott.brunson@ci.ridgefield.wa.u	S	
Pwseffecti:		01-JAN-70	Pwsstatusi:	A
Pwsinactiv:		Not Reported	Srcstatusi:	A
Srceffecti:		01-JAN-70	Srcinactiv:	Not Reported
Floodzonei:		Υ	Priconta 7:	R SCOTT BRUNSON
Srcswinflu:		U	Latlongdat:	24-AUG-00
Site id:		WA800000017612	5	

E18 East 1/2 - 1 Mile Lower

Org. Identifier: USGS-WA Formal name: USGS Washington Water Science Center Monloc Identifier: USGS-454859122440201 Monloc name: 04N/01E-21G01 Monloc type: Well Monloc desc: Not Reported Huc code: 17080002 Not Reported Drainagearea Units: Contrib drainagearea units: Not Reported Longitude: -122.7351008

Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale:

Not Reported Not Reported 45.8162261 24000

Horiz Acc measure: Horiz Collection method:	1 Interpolated from map	Horiz Acc measure units:	seconds
Horiz coord refsys:	NAD83	Vert measure val:	245
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic ma	ар	
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19720613	Welldepth:	218
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1 Feet below Feet to

Date Surface Sealevel

_____ -----1972-06-21 176

F19 WNW 1/2 - 1 Mile

Lower Fid:

7987	Lerootid:	65518
23087	Pwsid:	72400
06	Pwssrcid:	7240006
RIDGEFIELD PUBLIC WORKS	Systemgrou:	A
Comm	Region:	SW
CLARK	Smaid:	Not Reported
4931	Resconnect:	1833
2023	Srcname:	COOK STREET NO TAG
W	Srcusecode:	E
142	Township:	04
01W	Section:	24
NWNE		
-122.755		
45.82089		
QtrQtrSe	Srcsuscept:	Ν
Not Reported	Srcvulnvoc:	Not Reported
Not Reported	Doewelltag:	Not Reported
0	Srctot1yr:	0
0	Srctot10yr:	0
Assigned	Pricontact:	3608873897
Not Reported	Priconta 2:	PO BOX 608
RIDGEFIELD	Priconta 4:	WA
98642		
scott.brunson@ci.ridgefield.wa.u	S	
01-JAN-70	Pwsstatusi:	A
Not Reported	Srcstatusi:	1
01-JAN-70	Srcinactiv:	13-FEB-91
Y	Priconta 7:	R SCOTT BRUNSON
U	Latlongdat:	Not Reported
WA800000007988		
	23087 06 RIDGEFIELD PUBLIC WORKS Comm CLARK 4931 2023 W 142 01W NWNE -122.755 45.82089 QtrQtrSe Not Reported Not Reported Not Reported 0 0 Assigned Not Reported RIDGEFIELD 98642 scott.brunson@ci.ridgefield.wa.u 01-JAN-70 Not Reported 01-JAN-70 Y U	23087Pwsid:06Pwssrcid:RIDGEFIELD PUBLIC WORKSSystemgrou:CommRegion:CLARKSmaid:4931Resconnect:2023Srcname:WSrcusecode:142Township:01WSection:NWNE122.75545.82089QtrQtrSeSrcsuscept:Not ReportedSrcvulnvoc:Not ReportedDoewelltag:0Srctot1yr:0Srctot1yr:0Srctot1yr:0Srctot1oyr:AssignedPricontact:Not ReportedPriconta 2:RIDGEFIELDPriconta 4:98642scott.brunson@ci.ridgefield.wa.us01-JAN-70Srcstatusi:01-JAN-70Srcinactiv:YPriconta 7:ULatlongdat:

WA WELLS WA800000007988

Distance Elevation			Database	EDR ID Number
F20 WNW 1/2 - 1 Mile Lower			WA WELLS	WA8000000016919
Fid:	16918	Lerootid:	65518	
Srcrootid:	23086	Pwsid:	72400	
Srcnum:	05	Pwssrcid:	7240005	
Systemname:	RIDGEFIELD PUBLIC WORKS	Systemgrou:	А	
Systemtype:	Comm	Region:	SW	
County:	CLARK	Smaid:	Not Reported	
Ftrespopul:	4931	Resconnect:	1833	
Totalconne:	2023	Srcname:	HALL STREET NO	TAG
Srctype:	W	Srcusecode:	Е	
Srcwelldep:	141	Township:	04	
Range :	01W	Section:	24	
Qtrqtrsect:	NWNE			
Longitude:	-122.755			
Latitude:	45.82089			
Latlongmet:	QtrQtrSe	Srcsuscept:	Ν	
Srcvulnioc:	Not Reported	Srcvulnvoc:	Not Reported	
Srcvulnsoc:	Not Reported	Doewelltag:	Not Reported	
Srctot6mo:	0	Srctot1yr:	0	
Srctot5yr:	0	Srctot10yr:	0	
Protection:	Assigned	Pricontact:	3608873897	
Priconta 1:	Not Reported	Priconta 2:	PO BOX 608	
Priconta 3:	RIDGEFIELD	Priconta 4:	WA	
Priconta 5:	98642			
Priconta 6:	scott.brunson@ci.ridgefield.wa.u	IS		
Pwseffecti:	01-JAN-70	Pwsstatusi:	А	
Pwsinactiv:	Not Reported	Srcstatusi:	I	
Srceffecti:	01-JAN-70	Srcinactiv:	13-FEB-91	
Floodzonei:	Y	Priconta 7:	R SCOTT BRUNSO	N
Srcswinflu:	U	Latlongdat:	Not Reported	
Site id:	WA800000016919			

E21 East 1/2 - 1 Mile Lower

Fid:	25029	Lerootid:	65518
Srcrootid:	23092	Pwsid:	72400
Srcnum:	11	Pwssrcid:	7240011
Systemname:	RIDGEFIELD PUBLIC WORKS	Systemgrou:	A
Systemtype:	Comm	Region:	SW
County:	CLARK	Smaid:	Not Reported
Ftrespopul:	4931	Resconnect:	1833
Totalconne:	2023	Srcname:	ABRAMS #7 AFP608
Srctype:	W	Srcusecode:	Р
Srcwelldep:	145	Township:	04

WA WELLS WA800000025030

Range :	01E	Section:	19	
Qtrqtrsect:	SENW			
Longitude:	-122.735016			
Latitude:	45.8173			
Latlongmet:	GPS	Srcsuscept:	L	
Srcvulnioc:	М	Srcvulnvoc:	L	
Srcvulnsoc:	U	Doewelltag:	AFP608	
Srctot6mo:	0	Srctot1yr:	0	
Srctot5yr:	0	Srctot10yr:	0	
Protection:	Model	Pricontact:	3608873897	
Priconta 1:	Not Reported	Priconta 2:	PO BOX 608	
Priconta 3:	RIDGEFIELD	Priconta 4:	WA	
Priconta 5:	98642			
Priconta 6:	scott.brunson@ci.ridgefield.w	a.us		
Pwseffecti:	01-JAN-70	Pwsstatusi:	А	
Pwsinactiv:	Not Reported	Srcstatusi:	A	
Srceffecti:	30-APR-96	Srcinactiv:	Not Reported	
Floodzonei:	Y	Priconta 7:	R SCOTT BRUNSON	
Srcswinflu:	U	Latlongdat:	10-OCT-00	
Site id:	WA800000025030	Lationguat.	10-001-00	
22 NW 2 - 1 Mile			FED USGS USGS4000 ⁷	1210431
			FED USGS USGS4000 ⁷	1210431
NW 2 - 1 Mile ower Org. Identifier:	USGS-WA		FED USGS USGS4000 ⁷	1210431
NW 2 - 1 Mile ower Org. Identifier: Formal name:	USGS Washington Water Science	ence Center	FED USGS USGS4000 ⁷	1210431
NW 2 - 1 Mile ower Org. Identifier: Formal name: Monloc Identifier:	USGS Washington Water Scie USGS-454928122445101	ence Center	FED USGS USGS4000 ⁷	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01	ence Center	FED USGS USGS4000 ⁷	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well	ence Center	FED USGS USGS4000 ⁷	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc name: Monloc type: Monloc desc:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well Not Reported	ence Center	FED USGS USGS4000 ⁷	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc name: Monloc type: Monloc desc: Huc code:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002	Drainagearea value:	Not Reported	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported	Drainagearea value: Contrib drainagearea:	Not Reported Not Reported	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported Not Reported	Drainagearea value: Contrib drainagearea: Latitude:	Not Reported Not Reported 45.8242816	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units: Longitude:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported Not Reported -122.7487123	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale:	Not Reported Not Reported 45.8242816 24000	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported Not Reported	Drainagearea value: Contrib drainagearea: Latitude:	Not Reported Not Reported 45.8242816	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units: Longitude:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported Not Reported -122.7487123 5 Interpolated from map	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale:	Not Reported Not Reported 45.8242816 24000 seconds	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units: Longitude: Horiz Acc measure:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported Not Reported -122.7487123 5	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale:	Not Reported Not Reported 45.8242816 24000 seconds 40	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units: Longitude: Horiz Acc measure: Horiz Collection method:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported Not Reported -122.7487123 5 Interpolated from map	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units:	Not Reported Not Reported 45.8242816 24000 seconds	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units: Longitude: Horiz Acc measure: Horiz Collection method: Horiz coord refsys:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported Not Reported -122.7487123 5 Interpolated from map NAD83	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val:	Not Reported Not Reported 45.8242816 24000 seconds 40	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units: Longitude: Horiz Acc measure: Horiz Collection method: Horiz coord refsys: Vert measure units:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported Not Reported -122.7487123 5 Interpolated from map NAD83 feet	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val:	Not Reported Not Reported 45.8242816 24000 seconds 40 5	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units: Longitude: Horiz Acc measure: Horiz Collection method: Horiz coord refsys: Vert measure units: Vert accmeasure units:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported -122.7487123 5 Interpolated from map NAD83 feet feet	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val:	Not Reported Not Reported 45.8242816 24000 seconds 40	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units: Longitude: Horiz Acc measure: Horiz Collection method: Horiz coord refsys: Vert measure units: Vert accmeasure units: Vert accmeasure units:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported -122.7487123 5 Interpolated from map NAD83 feet feet Interpolated from topographic	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: map	Not Reported Not Reported 45.8242816 24000 seconds 40 5	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units: Longitude: Horiz Acc measure: Horiz Collection method: Horiz coord refsys: Vert measure units: Vert accmeasure units: Vert accmeasure units: Vert coord refsys:	USGS Washington Water Sci USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported -122.7487123 5 Interpolated from map NAD83 feet feet Interpolated from topographic NGVD29	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: map	Not Reported Not Reported 45.8242816 24000 seconds 40 5	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units: Longitude: Horiz Acc measure: Horiz Collection method: Horiz coord refsys: Vert measure units: Vert accmeasure units: Vert accmeasure units: Vert coord refsys: Aquifername:	USGS Washington Water Scie USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported -122.7487123 5 Interpolated from map NAD83 feet feet Interpolated from topographic NGVD29 Not Reported	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: map	Not Reported Not Reported 45.8242816 24000 seconds 40 5	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units: Longitude: Horiz Acc measure: Horiz Collection method: Horiz coord refsys: Vert measure units: Vert accmeasure units: Vert accmeasure units: Vert accmeasure units: Vert coord refsys: Aquifername: Formation type:	USGS Washington Water Scie USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported -122.7487123 5 Interpolated from map NAD83 feet feet Interpolated from topographic NGVD29 Not Reported Not Reported	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: map	Not Reported Not Reported 45.8242816 24000 seconds 40 5	1210431
W 2 - 1 Mile wer Org. Identifier: Formal name: Monloc Identifier: Monloc name: Monloc type: Monloc desc: Huc code: Drainagearea Units: Contrib drainagearea units: Longitude: Horiz Acc measure: Horiz Collection method: Horiz coord refsys: Vert measure units: Vert accmeasure units: Vert accmeasure units: Vert accmeasure units: Vert coord refsys: Aquifername: Formation type: Aquifer type:	USGS Washington Water Scie USGS-454928122445101 04N/01W-13Q01 Well Not Reported 17080002 Not Reported -122.7487123 5 Interpolated from map NAD83 feet feet Interpolated from topographic NGVD29 Not Reported Not Reported Not Reported Not Reported	Drainagearea value: Contrib drainagearea: Latitude: Sourcemap scale: Horiz Acc measure units: Vert measure val: Vertacc measure val: map Countrycode:	Not Reported Not Reported 45.8242816 24000 seconds 40 5 US	1210431

Ground-water levels, Number of Measurements: 1

 Feet below
 Feet to

 Date
 Surface
 Sealevel

1939-07-01 31

Map ID Direction Distance				
Elevation			Database	EDR ID Number
E23 East 1/2 - 1 Mile Lower			WA WELLS	WA800000016874
Fid: Srcrootid: Srcnum: Systemname: Systemtype: County: Ftrespopul: Totalconne: Srctype: Srcwelldep: Range : Qtrqtrsect:	16873 23088 07 RIDGEFIELD PUBLIC WORKS Comm CLARK 4931 2023 WF 145 01E SENW	Lerootid: Pwsid: Pwssrcid: Systemgrou: Region: Smaid: Resconnect: Srcname: Srcusecode: Township: Section:	65518 72400 7240007 A SW Not Reported 1833 WF (S08, S09) P 04 19	
Longitude: Latitude: Lationgmet:	-122.73458 45.816979 Average	Srcsuscept:	L	
Srcvulnioc: Srcvulnsoc: Srctot6mo:	M L 440	Srcvulnvoc: Doewelltag: Srctot1yr:	M Not Reported 620	
Srctot5yr: Protection: Priconta 1: Priconta 3:	1390 CFR Not Reported RIDGEFIELD	Srctot10yr: Pricontact: Priconta 2: Priconta 4:	1970 3608873897 PO BOX 608 WA	
Priconta 5: Priconta 6: Pwseffecti:	98642 scott.brunson@ci.ridgefield.wa.u 01-JAN-70	is Pwsstatusi:	А	
Pwsinactiv: Srceffecti: Floodzonei:	Not Reported 01-JAN-70 Y	Srcstatusi: Srcinactiv: Priconta 7:	A Not Reported R SCOTT BRUNSOI	N
Srcswinflu: Site id:	U WA800000016874	Latlongdat:	Not Reported	

G24 NNW 1/2 - 1 Mile Lower

Fid:	10929	Lerootid:	65518
Srcrootid:	23085	Pwsid:	72400
Srcnum:	04	Pwssrcid:	7240004
Systemname:	RIDGEFIELD PUBLIC WORKS	Systemgrou:	A
Systemtype:	Comm	Region:	SW
County:	CLARK	Smaid:	Not Reported
Ftrespopul:	4931	Resconnect:	1833
Totalconne:	2023	Srcname:	RR DEPOT NO TAG
Srctype:	W	Srcusecode:	E
Srcwelldep:	117	Township:	04

WA WELLS WA800000010930

Range : Qtrqtrsect: Longitude:	01W SWSE -122.749	Section:	13
Latitude:	45.82454		
Latlongmet:	QtrQtrSe	Srcsuscept:	N
Srcvulnioc:	Not Reported	Srcvulnvoc:	Not Reported
Srcvulnsoc:	Not Reported	Doewelltag:	Not Reported
Srctot6mo:	0	Srctot1yr:	0
Srctot5yr:	0	Srctot10yr:	0
Protection:	Assigned	Pricontact:	3608873897
Priconta 1:	Not Reported	Priconta 2:	PO BOX 608
Priconta 3:	RIDGEFIELD	Priconta 4:	WA
Priconta 5:	98642		
Priconta 6:	scott.brunson@ci.ridgefie	eld.wa.us	
Pwseffecti:	01-JAN-70	Pwsstatusi:	A
Pwsinactiv:	Not Reported	Srcstatusi:	1
Srceffecti:	01-JAN-70	Srcinactiv:	13-FEB-91
Floodzonei:	Ν	Priconta 7:	R SCOTT BRUNSON
Srcswinflu:	U	Latlongdat:	Not Reported
Site id:	WA800000010930	-	-

E25 East 1/2 - 1 Mile Lower

Fid: Srcrootid: Srcnum: Systemname: Systemtype: County: Ftrespopul: Totalconne: Srctype: Srcwelldep: Range : Qtrqtrsect: Longitude: Latitude: Latlongmet: Srcvulnioc: Srcvulnsoc: Srctot6mo: Srctot5yr: Protection: Priconta 1: Priconta 3: Priconta 5: Priconta 6: Pwseffecti: Pwsinactiv: Srceffecti: Floodzonei: Srcswinflu: Site id:

WA WELLS WA800000030876

30875	Lerootid:	65518
23090	Pwsid:	72400
09	Pwssrcid:	7240009
RIDGEFIELD PUBLIC WORKS	Systemgrou:	А
Comm	Region:	SW
CLARK	Smaid:	Not Reported
4931	Resconnect:	1833
2023	Srcname:	ABRAMS #9 WW AFP606
WW	Srcusecode:	Р
163	Township:	04
01E	Section:	19
SENW		
-122.734093		
45.816845		
GPS	Srcsuscept:	L
Μ	Srcvulnvoc:	Μ
L	Doewelltag:	AFP606
0	Srctot1yr:	0
0	Srctot10yr:	0
Model	Pricontact:	3608873897
Not Reported	Priconta 2:	PO BOX 608
RIDGEFIELD	Priconta 4:	WA
98642		
scott.brunson@ci.ridgefield.wa.u	S	
01-JAN-70	Pwsstatusi:	А
Not Reported	Srcstatusi:	Α
01-JAN-70	Srcinactiv:	Not Reported
Y	Priconta 7:	R SCOTT BRUNSON
U	Latlongdat:	24-AUG-00

levation			Database	EDR ID Number
6 NE /2 - 1 Mile ligher			WA WELLS	WA800000028995
Fid:	28994	Lerootid:	83926	
Srcrootid:	29113	Pwsid:	AA964	
Srcnum:	01	Pwssrcid:	AA96401	
Systemname:	STEINBRENNER	Systemgrou:	В	
Systemtype:	GRPB	Region:	SW	
County:	CLARK	Smaid:	Not Reported	
Ftrespopul:	6	Resconnect:	2	
Totalconne:	2	Srcname:	WELL #1 AGS344 S	TEINBRENNER
Srctype:	W	Srcusecode:	Р	
Srcwelldep:	0	Township:	04	
Range :	01E	Section:	18	
Qtrqtrsect:	SWSW			
Longitude:	-122.740415			
Latitude:	45.824478			
Latlongmet:	QtrQtrSection	Srcsuscept:	U	
Srcvulnioc:	Not Reported	Srcvulnvoc:	Not Reported	
Srcvulnsoc:	Not Reported	Doewelltag:	AGS344	
Srctot6mo:	0	Srctot1yr:	0	
Srctot5yr:	0	Srctot10yr:	0	
Protection:	Assigned	Pricontact:	3608878347	
Priconta 1:	Not Reported	Priconta 2:	6600 NW 287TH ST	
Priconta 3:	RIDGEFIELD	Priconta 4:	WA	
Priconta 5:	98642			
Priconta 6:	Not Reported			
Pwseffecti:	06-JAN-05	Pwsstatusi:	A	
Pwsinactiv:	Not Reported	Srcstatusi:	А	
Srceffecti:	22-JAN-03	Srcinactiv:	Not Reported	
Floodzonei:	Ν	Priconta 7:	JOE STEINBRENNI	ER
Srcswinflu:	Not Reported	Latlongdat:	Not Reported	
Site id:	WA800000028995	-	·	

27 NNE 1/2 - 1 Mile Higher

Fid:
Srcrootid:
Srcnum:
Systemname:
Systemtype:
County:
Ftrespopul:
Totalconne:
Srctype:
Srcwelldep:

17023 28575 01 CASCADE WEST GRPB CLARK 5 2 W 285

Lerootid: Pwsid: Pwssrcid: Systemgrou: Region: Smaid: Resconnect: Srcname: Srcusecode: Township:

WA WELLS WA800000017024

81336 AA593 AA59301 В SW Not Reported 2 WELL #1 AFP826 Ρ 04

Range : Qtrqtrsect: Longitude: Latitude:	01E SESE -122.739 45.82464	Section:
Latlongmet:	QtrQtrSe	Srcsuscept:
Srcvulnioc:	H	Srcvulnvoc:
Srcvulnsoc:	U	Doewelltag:
Srctot6mo:	0	Srctot1yr:
Srctot5yr:	0	Srctot10yr:
Protection:	Assigned	Pricontact:
Priconta 1:	Not Reported	Priconta 2:
Priconta 3:	VANCOUVER	Priconta 4:
Priconta 5:	98665	
Priconta 6:	Not Reported	
Pwseffecti:	17-FEB-04	Pwsstatusi:
Pwsinactiv:	17-FEB-04	Srcstatusi:
Srceffecti:	06-DEC-02	Srcinactiv:
Floodzonei:	N	Priconta 7:
Srcswinflu:	Ν	Latlongdat:
Site id:	WA800000017024	

28 SW 1/2 - 1 Mile Lower

> Fid: Srcrootid: Srcnum: Systemname: Systemtype: County: Ftrespopul: Totalconne: Srctype: Srcwelldep: Range : Qtrqtrsect: Longitude: Latitude: Latlongmet: Srcvulnioc: Srcvulnsoc: Srctot6mo: Srctot5yr: Protection: Priconta 1: Priconta 3: Priconta 5: Priconta 6: Pwseffecti: Pwsinactiv: Srceffecti: Floodzonei: Srcswinflu: Site id:

3621 01 WILLIAMS, MIKE GRPB CLARK 6 2 W 90 01W SWSE -122.755598 45.809921 QtrQtrSection Not Reported Not Reported 0 0 Assigned Not Reported RIDGEFIELD 98642 Not Reported 15-FEB-94 Not Reported 15-FEB-94 Υ U WA800000031197

31196

Lerootid:

Pwssrcid:

Region:

Smaid:

Systemgrou:

Resconnect:

Srcusecode:

Srcname:

Township:

Srcsuscept:

Srcvulnvoc:

Doewelltag:

Srctot1yr:

Srctot10yr:

Pricontact:

Priconta 2:

Priconta 4:

Pwsstatusi:

Srcstatusi:

Srcinactiv:

Priconta 7:

Latlongdat:

Section:

Pwsid:

WA L Т Not Reported LLOYD STENERSON Not Reported

18

Н

Н

0

0

AFP826

3602561338

6107 NE 99 ST

WA WELLS WA800000031197

50011 03239 0323901 В SW Not Reported 2 WELL #1 Ρ 04 24 U Not Reported Not Reported 0 0 3608878428 4104 N E 259TH STREET WA

А А Not Reported MIKE WILLIAMS Not Reported

istance levation				Database	EDR ID Numbe
) NW				FED USGS	USGS4000121046
2 - 1 Mile wer					
Org. Identifie		USGS-WA	O		
Formal name		USGS Washington Water Science	ce Center		
Monloc Ident		USGS-454939122445401			
Monloc name		04N/01W-13A03			
Monloc type:		Well			
Monloc desc		Not Reported	Decise and a sector	Net Demented	
Huc code:	- 11-26-	17080002	Drainagearea value:	Not Reported	
Drainageare		Not Reported	Contrib drainagearea:	Not Reported	
	agearea units:		Latitude:	45.8273372	
Longitude:		-122.7495456	Sourcemap scale:	24000	
Horiz Acc me		1	Horiz Acc measure units:	seconds	
Horiz Collect		Interpolated from map		440	
Horiz coord r		NAD83	Vert measure val:	110	
Vert measure		feet	Vertacc measure val:	5	
Vert accmea		feet			
Vertcollection		Interpolated from topographic ma	•		
Vert coord re	,	NGVD29	Countrycode:	US	
Aquifername		Not Reported			
Formation ty		Not Reported			
Aquifer type:		Not Reported			
Construction		19710325	Welldepth:	63	
Welldepth ur		ft	Wellholedepth:	Not Reported	
Wellholedep	th units:	Not Reported			
Ground-wate	er levels. Numb	er of Measurements: 1			
	Feet below	Feet to			
Date	Surface	Sealevel			
1971-03-25	18				
I					
SE 2 - 1 Mile				WA WELLS	WA80000001343
wer					
Fid:		13438	Lerootid:	65518	
Srcrootid:		23084	Pwsid:	72400	
Srcnum:		03	Pwssrcid:	7240003	
Systemname	e:	RIDGEFIELD PUBLIC WORKS	Systemgrou:	A	
Systemtype:		Comm	Region:	SW	
County:		CLARK	Smaid:	Not Reported	
Ftrespopul:		4931	Resconnect:	1833	
Totalconne:		2023	Srcname:	PAT PARK #3 NO TA	AG
Srctype:		W	Srcusecode:	E	
Srcwelldep:		167	Township:	04	
Range :		01E	Section:	19	
Qtrqtrsect:		SENW	/		
Longitude:		-122.730873			
Latitude:		45 813736			

Srcsuscept:

Srcvulnvoc:

Doewelltag:

Srctot1yr:

Srctot10yr:

Pricontact:

Latitude:

Latlongmet:

Srcvulnioc:

Srcvulnsoc:

Srctot6mo:

Srctot5yr:

Protection:

45.813736

QtrQtrSection

Not Reported

Not Reported

Assigned

0

0

Ν

0

0

Not Reported Not Reported

3608873897

1/2 - 1 Mile HigherOrg. Identifier:USGS-WAFormal name:USGS Washington Water Science CenterMonloc Identifier:USGS-454943122444101Monloc name:04N/01W-13J01Monloc type:WellMonloc type:WellMonloc desc:Not ReportedHuc code:17080002Drainagearea value:Not ReportedDrainagearea Units:Not ReportedLatitude:45.8284483Contrib drainagearea units:Not ReportedLatitude:45.8284483Longitude:-122.7459345Sourcemap scale:24000Horiz Acc measure:5Horiz Acc measure units:secondsHoriz Collection method:Interpolated from map80Vert measure units:feetVert accmeasure units:feetVert coord refsys:Not ReportedSourcycode:USAquifername:Not ReportedVert quifername:Vot ReportedFormation type:Not ReportedLatitude:44.00Aquifer type:Not ReportedVelldepth:14Welldepth units:ftWellholedepth:Not Reported	Priconta 3: RIDGEFIELD Priconta 4: WA Priconta 3: 98642 Priconta 6: 98642 Priconta 7: 19-APR-06 Priconta 7: 19-APR-06 Priconta 7: 19-APR-06 Priconta 7: 19-APR-06 Srcinactiv: 19-APR-06 Srcinactiv: 19-APR-06 Srcinactiv: 19-APR-06 Srcinactiv: 19-APR-06 Srcinactiv: 19-APR-06 Priconta 7: 19-ACPR-06 Priconta 7: Not Reported Srte id: WA800000013439 Priconta 7: 19-ACPR-06 Priconta 7: Not Reported Priconta 7: 19-ACPR-06 Priconta 7: 19-ACPR-06 Priconta 7: Not Reported Srte id: WA800000013439 Priconta 7: 19-ACPR-06 Priconta 7: 19-ACPR-						
Priconta 3: RIDGEFFIELD Priconta 4: WA Priconta 5: 98642 Priconta 6: scott.brunson@ci.ridgefield.wa.us A Pwsiractiv: 01-JAN-70 Pvsstatusi: A Pwsiractiv: Not Reported Srcitatusi: I Stoeffecti: 19-APR-06 Srcinactiv: 19-APR-06 Floodzonei: Y Priconta 7: R SCOTT BRUNSON Srcswinflu: U Latlongdat: Not Reported Ste id: WA8000000013439 FED USGS USGS40001 FED USGS USGS400000013439 FED USGS USGS40001 Mater Science Center Monto: USGS-WA Formal name: USGS-454943122444101 Monloc Identifier: USGS-454943122444101 Monloc desc: Not Reported Monloc identifier: USGS-454943122444101 Monloc desc:	Priconta 3: RIDGEFIELD Priconta 4: WA Priconta 3: 98642 Priconta 6: 98642 Priconta 7: 19-APR-06 Priconta 7: 19-APR-06 Priconta 7: 19-APR-06 Priconta 7: 19-APR-06 Srcinactiv: 19-APR-06 Srcinactiv: 19-APR-06 Srcinactiv: 19-APR-06 Srcinactiv: 19-APR-06 Srcinactiv: 19-APR-06 Priconta 7: 19-ACPR-06 Priconta 7: Not Reported Srte id: WA800000013439 Priconta 7: 19-ACPR-06 Priconta 7: Not Reported Priconta 7: 19-ACPR-06 Priconta 7: 19-ACPR-06 Priconta 7: Not Reported Srte id: WA800000013439 Priconta 7: 19-ACPR-06 Priconta 7: 19-ACPR-	Priconto 1:		Not Poportod	Priconto 2:		
Priconta 5: 98642 Priconta 6: scottbrunson@ci.nidgefield.wa.us Pwsiffecti: 01-JAN-70 Pvsstatusi: A Pwsiffecti: 19-APR-06 Srciatusi: I Streeffecti: 19-APR-06 Streitausi: I Streeffecti: 19-APR-06 Streitausi: Not Reported Streeffecti: 19-APR-06 Streitausi: Not Reported Streeffecti: 19-APR-06 Streitausi: Not Reported Streifecti: U Lationgdat: Not Reported Streiferti: WA8000000013439 EED USGS USGS40001 112 - 1 Mile Higher Streiferti: USGS-WA Formal name: USGS-WA Formal name: USGS404241244101 Monloc Interitier: USGS V45494312244101 Monloc name: O4N/01W-13J01 Monloc desc: Not Reported Contrib drainagearea value: Not Reported Huc code: 17080002 Drainagearea: Not Reported Contitb drainagearea units: Not Reported Latitude: 45.8284483 Longitude: +122.7459345 Sourcemap scale:	Priconta 5: 98642 Priconta 6: scatubrunson@ci.ridgefield.wa.us Pwseflect: 1.J.AN-70 Pwsstatus: A Preseffect: 01-J.AN-70 Streinactiv: 19-APR-06 Streinactiv: 19-APR-06 Floodzonel: Y Priconta 7: R SCOTT BRUNSON Streinactiv: U Lationgdat: Not Reported Streinactiv: USGS-45494312244101 Monico name: USGS4494312244101 Monico Identifier: USGS-45494312244101 Monico charne: O4/N01W-13.01 Monico came: USGS-45494312244101 Monico charne: Not Reported Huc code: 17080002 Drainagearea value: Not Reported Drainagearea units: Not Reported Contrib drainagearea units: Reported Horiz Acc measure: 5 Horiz Acc measure units: Seconds Horiz Acc dresure: 5 Vert measure value: 5 Vert collection meth						
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Wellholedepth units: Not Reported	Wellholedepth units: Not Reported Ground-water levels, Number of Measurements: 1 Feet below Feet to Date Surface Sealevel			-	•		
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Ground-water levels. Number of Measurements: 1	Feet below Feet to Date Surface Sealevel	Wellholedept	th units:	Not Reported			
,	Date Surface Sealevel	Ground-wate	er levels, Numb				
			Feet below	Feet to			
Date Surface Sealevel		Date	Surface	Sealevel			
1949-09-01 5	1949-09-01 5	1949-09-01	5				
		32 East 1/2 - 1 Mile Lower				FED USGS	USGS40001210321
East FED USGS USGS40001 1/2 - 1 Mile	East FED USGS USGS40001210321 /2 - 1 Mile						
East FED USGS USGS40001 1/2 - 1 Mile Lower	ast FED USGS USGS40001210321 /2 - 1 Mile .ower	-			- Osatas		
East FED USGS USGS40001 1/2 - 1 Mile Lower Org. Identifier: USGS-WA	Asst FED USGS USGS40001210321 /2 - 1 Mile .ower Org. Identifier: USGS-WA			•	eCenter		
East 1/2 - 1 Mile Lower FED USGS USGS40001 Org. Identifier: USGS-WA Formal name: USGS-WA	Fast FED USGS USGS40001210321 /2 - 1 Mile						
East 1/2 - 1 Mile Lower FED USGS USGS40001 Org. Identifier: USGS-WA Formal name: USGS Washington Water Science Center Monloc Identifier: USGS-454855122434101	Fast FED USGS USGS40001210321 /2 - 1 Mile			• · · · • • = · • · • •			
East 1/2 - 1 Mile Lower FED USGS USGS40001 Org. Identifier: USGS-WA Formal name: USGS Washington Water Science Center Monloc Identifier: USGS-454855122434101 Monloc name: 04N/01E-19K01	FED USGS USGS40001210321 /2 - 1 Mile ////////////////////////////////////	Monloc type:		Well			
East 1/2 - 1 Mile Lower FED USGS USGS40001 Org. Identifier: USGS-WA Formal name: USGS Washington Water Science Center Monloc Identifier: USGS-454855122434101 Monloc name: 04N/01E-19K01	FED USGS USGS40001210321 /2 - 1 Mile ////////////////////////////////////	Monloc desc	:	Not Reported			
East 1/2 - 1 Mile Lower FED USGS USGS40001 Org. Identifier: USGS-WA Formal name: USGS Washington Water Science Center Monloc Identifier: USGS-454855122434101 Monloc name: 04N/01E-19K01 Monloc type: Well	FED USGS USGS40001210321 /2 - 1 Mile ////////////////////////////////////	Huc code:		17080002	Drainagearea value:	Not Reported	

Drainagearea value:

Sourcemap scale:

Latitude:

Contrib drainagearea:

Huc code:

Longitude:

Drainagearea Units:

Contrib drainagearea units: Not Reported

17080002

Not Reported

-122.7292674

Not Reported

Not Reported

. 45.815115

24000

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure: Horiz Collection method:	5 Interpolated from map	Horiz Acc measure units:	seconds
Horiz coord refsys:	NAD83	Vert measure val:	60
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic ma	ар	
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19010101	Welldepth:	117
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1 Feet below Feet to

Date Surface Sealevel

1949-05-01 57

33 NNE 1/2 - 1 Mile Higher

Fid: Srcrootid: Srcnum: Systemname Systemtype: County: Ftrespopul: Totalconne: Srctype: Srcwelldep: Range : Qtrqtrsect: Longitude: Latitude: Latlongmet: Srcvulnioc: Srcvulnsoc: Srctot6mo: Srctot5yr: Protection: Priconta 1: Priconta 3: Priconta 5: Priconta 6: Pwseffecti: Pwsinactiv: Srceffecti: Floodzonei: Srcswinflu: Site id:

WA WELLS WA80

WA800000030469

	30468	Lerootid:	51433
	5159	Pwsid:	04661
	01	Pwssrcid:	0466101
e:	CURRIE, GILBERT	Systemgrou:	В
	GRPB	Region:	SW
	CLARK	Smaid:	Not Reported
	4	Resconnect:	2
	2	Srcname:	WELL #1
	W	Srcusecode:	Р
	50	Township:	04
	01E	Section:	18
	SWNW		
	-122.740303		
	45.828098		
	QtrQtrSection	Srcsuscept:	U
	Not Reported	Srcvulnvoc:	Not Reported
	Not Reported	Doewelltag:	Not Reported
	0	Srctot1yr:	0
	0	Srctot10yr:	0
	Assigned	Pricontact:	3605760276
	Not Reported	Priconta 2:	29205 NW 71ST AVENUE
	RIDGEFIELD	Priconta 4:	WA
	98642		
	Not Reported		
	10-JUL-95	Pwsstatusi:	A
	Not Reported	Srcstatusi:	A
	10-JUL-95	Srcinactiv:	Not Reported
	N	Priconta 7:	GILBERT CURRIE
	U	Latlongdat:	Not Reported
	WA800000030469		

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

levation			Database	EDR ID Number
4 INE /2 - 1 Mile ligher			WA WELLS	WA800000002440
Fid:	2439	Lerootid:	50182	
Srcrootid:	3816	Pwsid:	03410	
Srcnum:	01	Pwssrcid:	0341001	
Systemname:	OVIATT, ROGER L	Systemgrou:	В	
Systemtype:	GRPB	Region:	SW	
County:	CLARK	Smaid:	Not Reported	
Ftrespopul:	7	Resconnect:	2	
Totalconne:	2	Srcname:	WELL #1	
Srctype:	W	Srcusecode:	Р	
Srcwelldep:	346	Township:	04	
Range :	01E	Section:	18	
Qtrqtrsect:	NESW			
Longitude:	-122.73735			
Latitude:	45.82789			
Latlongmet:	GPS	Srcsuscept:	U	
Srcvulnioc:	Not Reported	Srcvulnvoc:	Not Reported	
Srcvulnsoc:	Not Reported	Doewelltag:	Not Reported	
Srctot6mo:	0	Srctot1yr:	0	
Srctot5yr:	0	Srctot10yr:	0	
Protection:	Assigned	Pricontact:	3608873889	
Priconta 1:	Not Reported	Priconta 2:	28517 NW 66TH AVE	
Priconta 3:	RIDGEFIELD	Priconta 4:	WA	
Priconta 5:	98642			
Priconta 6:	Not Reported			
Pwseffecti:	11-MAY-94	Pwsstatusi:	A	
Pwsinactiv:	Not Reported	Srcstatusi:	A	
Srceffecti:	11-MAY-94	Srcinactiv:	Not Reported	
Floodzonei:	Ν	Priconta 7:	ROGER OVIATT	
Srcswinflu:	U	Latlongdat:	03-MAR-08	
Site id:	WA800000002440	5		

H35 NNW 1/2 - 1 Mile

Lower

Org. Identifier:

Formal name:

Monloc name: Monloc type:

Monloc desc: Huc code:

Longitude:

USGS-WA USGS Washington Water Science Center USGS-454948122445401 Monloc Identifier: 04N/01W-13H01 Well Not Reported 17080002 Drainagearea Units: Not Reported Contrib drainagearea: Contrib drainagearea units: Not Reported Latitude: -122.7495457 Sourcemap scale:

Drainagearea value:

Not Reported Not Reported 45.8298372 24000

FED USGS

USGS40001210488

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc me		1	Horiz Acc measure units:	seconds	
Horiz Collect		Interpolated from map		440	
Horiz coord r	•	NAD83	Vert measure val:	110	
Vert measure		feet	Vertacc measure val:	5	
Vert accmeas		feet	h la man		
Vertcollectior		Interpolated from topograp	•		
Vert coord re		NGVD29	Countrycode:	US	
Aquifername		Not Reported			
Formation typ	•	Not Reported			
Aquifer type:		Not Reported		70	
Construction		19700304	Welldepth:	70 Nat Danastad	
Welldepth un		ft Not Departed	Wellholedepth:	Not Reported	
Wellholedept	in units:	Not Reported			
Ground-wate	er levels, Numb Feet below	per of Measurements: 1 Feet to			
Date	Surface	Sealevel			
1970-03-04	32				
6					
W 2 - 1 Mile				FED USGS	USGS4000121048
W 2 - 1 Mile wer				FED USGS	USGS4000121048
W 2 - 1 Mile wer Org. Identifie		USGS-WA	Salanaa Cantar	FED USGS	USGS400012104
W 2 - 1 Mile wer Org. Identifie Formal name	e:	USGS Washington Water	Science Center	FED USGS	USGS400012104
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Ground-water levels, Number of Measurements: 1

Feet belowFeet toDateSurfaceSealevel

1971-08-02 80

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for CLARK County: 1

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L. : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 98642

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.300 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.850 pCi/L	100%	0%	0%

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA Telephone: 877-336-2627 Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: Department of Ecology Telephone: 360-407-6121

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS) Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS) This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Wells Source: Department of Health Telephone: 360-236-3148 Group A and B well locations.

Water Well Listing Source: Public Utility District Telephone: 206-779-7656 A listing of water well locations in Kitsap County.

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Listing Source: Department of Natural Resources Telephone: 360-902-1450 Locations that represent oil and gas test well sites in Washington State from 1890 to present.

RADON

Area Radon Information Source: USGS Telephone: 703-356-4020 The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA Telephone: 703-356-4020 Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Phase I Environmental Site Assessment Ridgefield Library

> Appendix D Ecology Fact Sheet



Yard Soil Replacement Work Complete for 2017

CONTACTS & INFORMATION

For More Information:

Craig Rankine Ecology Site Manager Phone: (360) 690-4795 E-mail: craig.rankine@ecy.wa.gov

Website:

https://fortress.wa.gov/ecy/gsp/ Sitepage.aspx?csid=3020

Public Involvement:

Stacy Galleher Public Involvement Coordinator Phone: (360) 407-6255 Email: Stacy.Galleher@ecy.wa.gov

Construction Questions

Blair Paulik—Maul Foster Alongi Project Administrator Phone: (360) 947-2210 Email: bpaulik@maulfoster.com

Special Accommodations

To request ADA accommodation including materials in a format for the visually impaired, call Ecology at (360) 407-6300.

Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at (877) 833-6341.

Facility Site ID #: 1019 Cleanup Site ID #: 3020 This summer, the Department of Ecology and the Port of Ridgefield (port) removed dioxin contaminated soil in nine residential yards and some right-of-way areas in the neighborhood east of the port property (off-property phase 1 area, see map) at the Pacific Wood Treating cleanup site. Remaining yards in the rest of the off-property area (phase 2) will be cleaned up in the future.

We are finishing work in the last few yards

While most of the construction is complete for 2017, we are still finishing up replacing plants in a few yards. We expect to finish this work by mid- September.

What Happens Next?

- Once we find the extent of contamination, we will offer soil sampling to those last remaining homeowners.
- We have almost completed sampling in the off-property area,. Once it is complete we will release a report for public comment
- We will keep the website updated with the latest news.

How can I keep my family safe from possible contamination?

There are still some homes within the off property area that need to be cleaned up. In the meantime, there are several ways you can reduce your exposure to dioxins and other types of soil contamination. For example you can:

- Wash hands before eating and after playing or working outside.
- Remove your shoes before going inside.
- Prevent children from eating dirt.
- Wash children's toys and pacifiers often.
- Mop, vacuum, and dust with a damp cloth often.

Background

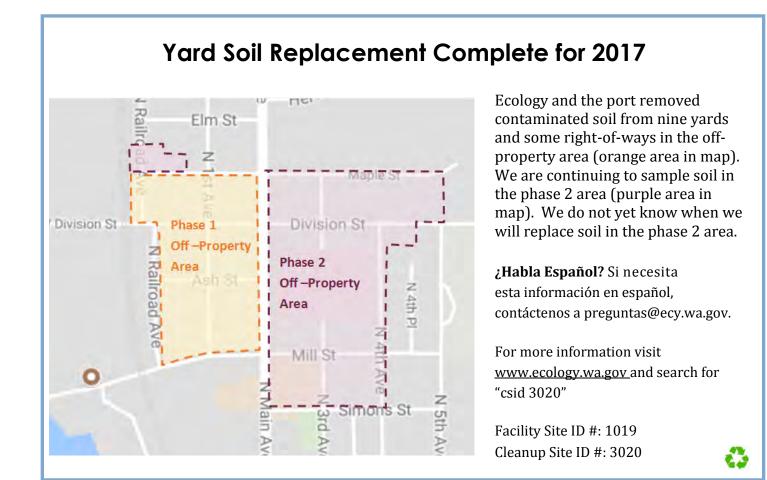
From 1964-1993, Pacific Wood Treating (PWT) operated on the Port of Ridgefield property. PWT pressure treated wood products with a variety of toxic chemicals. In 2009, the port began sampling in right-of-ways to define the extent of contamination in the off-property area. Dioxins were the only contaminant found above cleanup levels. From the right-of-way sample results it was clear that dioxins were also in yards. The yard soil sampling program started spring 2015.

We have not found the current extent of contamination. We will continue to collect additional soil samples see map for locations (phase 2 area). Once we have found the extent we will release a remedial investigation and feasibility study report for public comment.





PO Box 47775 Olympia, WA 98504-7775



Phase I Environmental Site Assessment Ridgefield Library

> Appendix E Ecology Files

Letter Health Consultation

Park Laundry Site, Indoor Air Results for November 2012 Ridgefield, Clark County, Washington

March 13, 2013

Prepared by

The Washington State Department of Health Under a Cooperative Agreement with the Agency for Toxic Substances and Disease Registry



Foreword

The Washington State Department of Health (DOH) prepared this health consultation under a cooperative agreement with the Agency for Toxic Substances and Disease Registry (ATSDR). ATSDR is part of the U.S. Department of Health and Human Services. ATSDR is responsible for health issues related to hazardous substances

The purpose of a health consultation is to assess the health threat posed by hazardous substances in the environment. If needed, a health consultation will also recommend steps or actions to protect public health. Health consultations are initiated in response to health concerns raised by residents or agencies about exposure to hazardous substances.

This health consultation was prepared in accordance with ATSDR methodologies and guidelines. However, the report has not been reviewed and cleared by ATSDR. The findings in this report are relevant to conditions at the site during the time the report was written. It should not be relied upon if site conditions or land use changes in the future.

Use of trade names is for identification only and does not imply endorsement by state or federal health agencies.

For additional information, please contact us at 1-877-485-7316 or visit our web site at <u>www.doh.wa.gov/consults</u>.

For persons with disabilities this document is available on request in other formats. To submit a request, please call 1-800-525-0127 (voice) or 1-800-833-6388 (TTY/TDD).

For more information about ATSDR, contact the CDC Information Center at 1-800-CDC-INFO (1-800-232-4636) or visit the agency's web site at <u>www.atsdr.cdc.gov</u>.



DEPARTMENT OF HEALTH OFFICE OF ENVIRONMENTAL HEALTH, SAFETY AND TOXICOLOGY 243 Israel Road SE • PO Box 47846 • Olympia, Washington 98504-7846

TDD Relay Service: 1-800-833-6388

March 13, 2013

Guy Barrett Washington Department of Ecology Southwest Regional Office Toxics Cleanup Program PO Box 47775 Olympia, Washington 98504-7775

Re: Letter Health Consultation November 2012 Indoor Air Results Park Laundry Site Ridgefield, Clark County, Washington

Dear Mr. Barrett:

At the request of Washington Department of Ecology (Ecology), the Washington Department of Health (DOH) evaluated indoor air data collected at the Park Laundry site in November 2012. The data was collected as part of a vapor intrusion investigation. DOH's evaluation was done to determine whether the chemicals found in indoor air pose a health threat to building occupants. DOH conducts health consultations in cooperation with the Agency for Toxic Substances and Disease Registry (ATSDR).

Background and Statement of Issues

The former Park Laundry facility operated at 122 N. Main Avenue; Ridgefield, Clark County, Washington. The facility may have performed dry cleaning operations and released tetrachloroethylene (also known as perchloroethylene or PCE) to soil and groundwater. This has resulted in a plume of contaminated groundwater, which extends in a northwesterly direction away from the property. The full extent of the plume is currently unknown.

PCE and its breakdown products, such as trichloroethylene (TCE), are considered volatile organic compounds (VOCs). When found in soil or groundwater, these chemicals can evaporate and move through the soil. Vapors can enter buildings through cracks or other openings in the foundation. If this occurs, it may pose a health threat depending on concentrations measured in indoor air.

To evaluate whether PCE and its breakdown products are a possible indoor air health threat, the potentially liable party (PLP) offered to test some homes and businesses that overlie or are near the plume. Occupants at three residences and six commercial buildings, including the fire station, agreed to participate in the testing. Sampling occurred in November 2012. The PLP also tested vapor concentrations in outdoor air, soil gas, and crawlspace air. Indoor air, outdoor air, and crawlspace air were collected for about 24 hours. Soil gas was collected for about 30 minutes. All samples were collected using Summa canisters.

Discussion

The vapor intrusion pathway is complex. Because of that, it can be difficult to determine if contaminated soil or groundwater is affecting indoor air quality at nearby buildings. It is particularly challenging when the levels of chemicals found in soil gas and indoor air are very low, which is generally the case for this site. Much of what was found in indoor air at the Park Laundry site in November 2012 appears to be the result of chemicals found in ambient air and/or consumer products used or stored in the buildings. However, it is possible that a very small amount may be coming from contaminated groundwater or soil. Further work is being done to assess that.

The November 2012 indoor air sampling locations and analytical data are provided in Appendix A. Not all VOCs analyzed were detected above the reporting limits. Some chemicals, like PCE, TCE, and 1,2-Dichloroethane (1,2-DCA) were detected. Table 1 summarizes the concentration range for each chemical tested.

	Concentration Range (µg/m ³)				
Chemical	Minimum Maximur				
1,1-Dichloroethane	0.11	U	0.23	U	
1,1-Dichloroethene	0.053	U	0.11	U	
1,2-Dichloroethane	0.074	J	1.5		
Chloroethane	0.18	U	0.38	U	
Cis 1,2-Dichloroethene	0.11	U	0.23	U	
Tetrachloroethylene (PCE)	0.18	U	0.27		
Trans 1,2-Dichloroethene	0.53	U	1.1	U	
Trichloroethylene (TCE)	0.026	J	1.2		
Vinyl Chloride	0.034	U	0.074	U	

Table 1: November 2012 Indoor Air Chemical Concentrations ($\mu g/m^3$) for Residences and Commercial Buildings, Park Laundry Site, Ridgefield, Washington

 $\mu g/m^3$ - microgram per cubic meter; U - result is non-detect at the reporting limit;

J - result is an estimated value; PCE – perchloroethylene (tetrachloroethylene)

Exposure Pathways

Exposure to VOCs in indoor air can occur when someone breathes in the chemicals. However, there are many factors that determine if the exposure will cause health effects. These factors include the dose (how much), the duration (how long), and how someone comes in contact with the chemicals (breathing in the chemical). A person's age and the number of chemicals they are exposed to are a few other factors.

Chemicals of Potential Concern

DOH compared the highest amount of each VOC measured in indoor air to cancer and noncancer health comparison values. This comparison allows DOH to determine if any of the tested chemicals might be a health concern. The health comparison values are set at concentrations much lower than what might cause harmful effects in people. This is done to be protective of the most sensitive individuals (i.e., children and older adults). It also accounts for the general lack of certainty regarding low levels of chemical exposure. If a chemical was below a reporting limit^a, DOH used the reporting limit for that chemical to compare to the health comparison values.

The air comparison values used by DOH included chemical-specific Cancer Risk Evaluation Guide (CREG) and chronic Environmental Media Evaluation Guide (EMEG) developed by ATSDR.(1) The CREG is the concentration of a chemical in air expected to cause less than one additional cancer case in a million persons exposed over a lifetime. An EMEG is the concentration of a chemical in air below which adverse non-cancer health effects are not expected to occur.

If no ATSDR comparison values were available, DOH used inhalation reference concentrations (RfCs) or Regional Screening Levels (RSL) for residential air developed by U.S. Environmental Protection Agency (EPA).(2) An RfC is a concentration of a chemical in air below which non-cancer health effects are not expected to occur during a lifetime. The regional screening levels correspond to a cancer risk of less than one case in a million people exposed or a hazard quotient (HQ) of one for non-carcinogens.

Table 2 provides a comparison of the maximum indoor air concentration with the comparison values.

^a Reporting limits are the lowest concentration at which a chemical can be detected in a sample and its concentration can be reported with a reasonable degree of accuracy and precision.

	Cancer		imum ntration	· •			
Chemical	Class	(µg	$(/m^3)$	Non-Cancer CV	Type of CV	Cancer CV	Type of CV
1,1-Dichloroethane	С	0.23	U	2,400	Chronic EMEG for 1,2-DCA	1.5	RSL
1,1-Dichloroethene	NS	0.11	U	200	RfC	NA	
1,2-Dichloroethane	B2	1.5		2,400	Chronic EMEG	0.038	CREG
Chloroethane	3	0.38	U	10,000	RfC	NA	
cis-1,2- Dichloroethene	IN	0.23	U	63	RSL for trans-1,2- DCE	NA	
Tetrachloroethylene (PCE)	LC	0.27		40	RfC	3.8	CREG
trans-1,2- Dichloroethene	IN	1.1	U	63	RSL	NA	
Trichloroethylene (TCE)	СН	1.2		2	RfC	0.24	CREG
Vinyl Chloride	KL	0.074	U	100	RfC	0.11	CREG

Table 2: Comparison of the Maximum November 2012 Indoor Air Results ($\mu g/m^3$) to Healthbased Comparison Values (CV), Park Laundry Site, Ridgefield, Washington

Cancer Classification Key:

CH Carcinogenic to humans based on EPA 2005 cancer guidelines

KL Known/Likely human carcinogen based on EPA 1996 cancer guidelines

C Possible human carcinogen (no human, limited animal studies) based on EPA 1986 cancer guidelines

LC Likely to be carcinogenic to humans based on EPA 2005 guidelines

- B2 Probable human carcinogen (inadequate human, sufficient animal studies) based on EPA 1986 cancer guidelines
- NS Suggestive evidence of carcinogenicity, but not sufficient to assess human carcinogenic potential based on EPA 1999 cancer guidelines
- 3 Not Classifiable based on International Agency for Research on Cancer (IARC) guidelines

IN Inadequate information to assess carcinogenic potential based on EPA 2005 cancer guidelines

µg/m³ – microgram per cubic meter; U - result is non-detect at the method reporting limit; NA – not applicable
ATSDR – Agency for Toxic Substances and Disease Registry; EPA – Environmental Protection Agency;
CREG - Cancer Risk Evaluation Guide (ATSDR); EMEG - Environmental Media Evaluation Guide (ATSDR);
RfC – inhalation reference concentration (EPA); RSL – regional screening level (EPA); Shaded boxes indicate that a comparison value has been exceeded and will be further evaluated; PCE – perchloroethylene (tetrachloroethylene);
1,2-DCA – 1,2-Dichloroethane; trans 1,2-DCE – trans 1,2-Dichloroethene; CREG - Cancer Risk Evaluation Guides

As shown in Table 2, all chemicals detected and non-detected are below the non-cancer comparison values. As a result, no further assessment of the non-cancer health effects is necessary. Two of the nine tested chemicals were above the cancer comparison values: 1,2-DCA and TCE. These two chemicals were evaluated further to assess the carcinogenic health threat.

TCE was only found above the cancer comparison value at the fire station building. Therefore, the carcinogenic health threat associated with TCE was only evaluated for a fire station worker. 1,2-DCA was found in all the residential and commercial buildings. It is important to understand that exceeding the cancer comparison value does not mean people will develop cancer when exposed to these levels. A more complete discussion of cancer risk is provided below.

TCE and 1,2-DCA Use and Carcinogenic Health Effects

TCE is a breakdown product of PCE but is also used in industry. Mainly, TCE is used as a solvent to remove grease from metal parts. It is also used to make other chemicals. TCE can be found in household products including typewriter correction fluid, paint removers, adhesives, and spot removers.(3) EPA classifies TCE as carcinogenic to humans by all routes of exposure. This is based on convincing evidence of a causal association between people exposed to TCE and kidney cancer. There is also some evidence suggesting an association between TCE exposure and non-Hodgkin's lymphoma and liver cancer.(4)

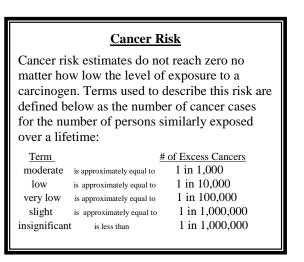
1,2-DCA is a breakdown product of PCE but it is also used in industrial processes. 1,2-DCA is used to make vinyl chloride. Vinyl chloride is used to make various plastic and vinyl products including polyvinyl chloride (PVC) pipes, packaging materials, furniture and automobile upholstery, wall coverings, house wares, and automobile parts. In the past, 1,2-DCA was used as a solvent for degreasing and was also found in cleaning products. EPA classifies 1,2-DCA as a probable human carcinogen based on animal studies although it was unclear whether breathing 1,2-DCA causes cancer in animals. Some studies of cancers in people exposed to 1,2-DCA have been inconclusive. Because of the cancer findings in animals, the possibility of cancer in humans cannot be ruled out.(5)

Evaluating Cancer Risk

Some VOCs, like 1,2-DCA and TCE, have the ability to increase people's risk of developing cancer. Because current risk assessment

practice assumes there is no "safe dose" of a carcinogen, any dose of a carcinogen will result in some additional increased cancer risk. Cancer risk estimates are not yes/no answers but measures of chance (probability). Such measures, however uncertain, are useful in determining the magnitude of a cancer threat.

Cancer is a common illness and its occurrence in a population increases with the age of the population. There are many different forms of cancer resulting from a variety of causes; not all are fatal. Approximately 1 in 3 to 1 in 2 people living in the United States will develop cancer at some point in their lives.(6)



To evaluate the inhalation cancer risk, DOH used the maximum chemical concentration detected for each building type (residence and commercial). This was done for 1,2-DCA at the residences and 1,2-DCA and TCE at the commercial buildings.^b For residences, DOH conservatively assumed that

^b TCE was only detected above the comparison value at the fire station.

exposures would be 24 hours per day, 7 days per week, for 50 weeks out of the year (2 weeks were allowed for vacations away from home). For workers at commercial buildings, including the fire station, DOH conservatively assumed exposures would be 24 hours per day, 5 days per week, for 50 weeks out of the year (2 weeks were allowed for vacations away from the building). Appendix B contains the equation, assumptions (Tables B1 and B2), and results of DOH's estimated cancer risk evaluation (Table B3).

As noted in Appendix B, Table B3, DOH estimated the following cancer risks for children, older children, and adults exposed to the maximum amount 1,2-DCA in a residential setting for a lifetime:

- 5 additional cancer cases per 1,000,000 similarly exposed children.
- 6 additional cancer cases per 1,000,000 similarly exposed older children.
- 6 additional cancer cases per 1,000,000 similarly exposed adults.
- This is a lifetime cancer risk of 2 additional cases for every 100,000 similarly exposed people.

DOH estimated the following cancer risk for workers exposed to the maximum amount 1,2-DCA and TCE at the commercial buildings:

- 1 additional cancer cases per 1,000,000 workers similarly exposed to 1,2-DCA.
- 6 additional cancer cases per 10,000,000 workers similarly exposed to TCE.
- For workers similarly exposed to both chemicals, this would be about 2 additional cancers in 1,000,000.

When compared to the cancer risk terms provided on page 6, the estimated cancer risks for 1,2-DCA detected in the homes is considered slight to very low. Cancer risk for workers exposed to 1,2-DCA in commercial buildings or 1,2-DCA and TCE at the fire station are considered insignificant. These risk levels are all below a level DOH considers a health threat.^c It is important to note that these estimates are for excess cancers that might occur in addition to those normally expected in an unexposed population. It is also important to note that these are estimates and the actual risk could be as low as zero.

Conclusions

DOH concludes that breathing the maximum concentrations of VOCs found in indoor air at the residential and commercial buildings during November 2012 are not expected to cause harmful health effects.

 $^{^{}c}$ DOH generally considers there to be an increased health threat when an assessment shows 1 additional cancer in a population of 10,000.

Recommendations

DOH recommends the vapor intrusion investigation work scheduled for late spring 2013 continue as planned. This testing will allow further assessment of the vapor intrusion pathway at the site.

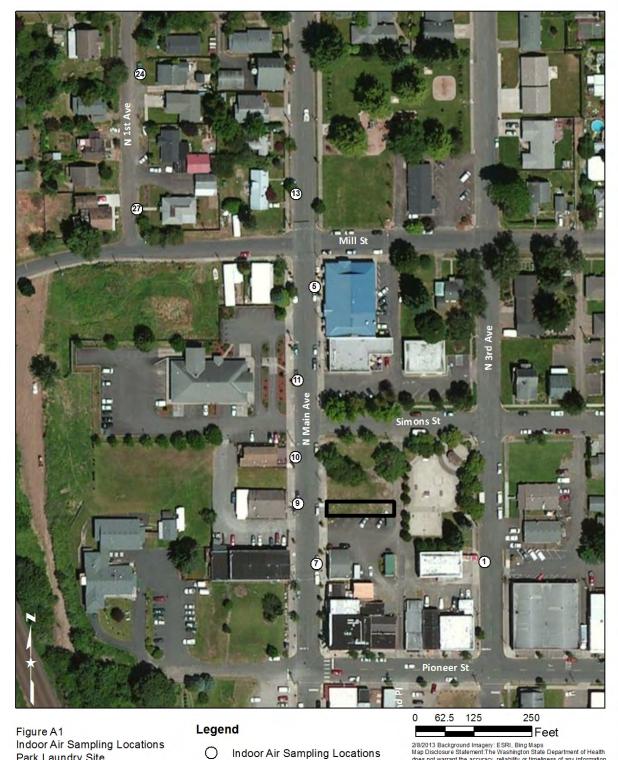
DOH appreciates this opportunity to assist Ecology with this project. Please contact me at 360-236-3373 if you have any questions.

Sincerely,

Barbara Trejo Health Assessor, Hydrogeologist Site Assessments and Toxicology Section

cc: Joanne Snarski, Department of Health

Appendix A



Park Laundry Site Ridgefield, Washington

Г Former Park Laundry Property 2/8/2013 Background Imagery: ESRI, Bing Maps Map Disclosure Statement: The Washington State Department of Health does not warrant the accuracy, relability or timeliness of any information published in this map and assumes no responsibility for errors in the content of the information provided. Persons or entities that rely on any information obtained from this map do so at their own risk.

Building Location	1,1- Dichloro- ethane	1,1- Dichloro- ethene	1,2- Dichloro- ethane	Chloro- ethane	cis-1,2- Dichloro- ethene	Tetrachloro- ethene (PCE)	trans-1,2- dichloro- ethene	Trichloro- ethene (TCE)	Vinyl chloride
1-IA1	0.12 U	0.059 U	0.31	0.2 U	0.12 U	0.2 U	0.59 U	1.2	0.038 U
1-IA2	0.11 U	0.053 U	0.2	0.18 U	0.11 U	0.18 U	0.53 U	1	0.034 U
1-IA3	0.13 U	0.063 U	0.086 J	0.21 U	0.12 U	0.21 U	0.63 U	1	0.04 U
5-IA1	0.12 U	0.061 U	0.093 J	0.2 U	0.12 U	0.23	0.61 U	0.063 J	0.04 U
5-IA2	0.12 U	0.06 U	0.11 J	0.2 U	0.12 U	0.22	0.6 U	0.17	0.039 U
5-IA3	0.13 U	0.065 U	0.074 J	0.22 U	0.13 U	0.22 U	0.65 U	0.058 J	0.042 U
7-IA1	0.12 U	0.06 U	0.12	0.2 U	0.12 U	0.2 U	0.6 U	0.12 J	0.039 U
7-IA2	0.12 U	0.059 U	0.08 J	0.2 U	0.12 U	0.2 J	0.59 U	0.074 J	0.038 U
9-IA1	0.23 U	0.11 U	0.16 J	0.38 U	0.23 U	0.39 U	1.1 U	0.12 J	0.074 U
9-IA2	0.14 U	0.069 U	0.12 J	0.23 U	0.14 U	0.24 U	0.69 U	0.056 J	0.044 U
10-IA1	0.14 U	0.069 U	0.33	0.23 U	0.14 U	0.24 U	0.69 U	0.03 J	0.045 U
10-IA2	0.13 U	0.064 U	0.44	0.21 U	0.13 U	0.22 U	0.64 U	0.026 J	0.041 U
11-IA1	0.13 U	0.063 U	0.22	0.21 U	0.13 U	0.23	0.63 U	0.043 J	0.041 U
11-IA2	0.12 U	0.06 U	0.2	0.2 U	0.12 U	0.21 U	0.6 U	0.051 J	0.039 U
11-IA3	0.12 U	0.06 U	0.19	0.2 U	0.12 U	0.27	0.6 U	0.035 J	0.039 U
13-IA1	0.13 U	0.062 U	0.48	0.2 U	0.12 U	0.21 U	0.62 U	0.03 J	0.04 U
13-IA2	0.13 U	0.063 U	0.67	0.21 U	0.13 U	0.22 U	0.63 U	0.095 J	0.041 U
24-IA1	0.12 U	0.061 U	0.08 J	0.2 U	0.12 U	0.21 U	0.61 U	0.068 J	0.039 U
24-IA2	0.12 U	0.061 U	0.08 J	0.2 U	0.12 U	0.21 U	0.61 U	0.029 J	0.04 U
27-IA1	0.12 U	0.061 U	1.5	0.2 U	0.12 U	0.21 U	0.61 U	0.083 J	0.04 U
27-IA2	0.14 U	0.067 U	1.5	0.22 U	0.13 U	0.23 U	0.67 U	0.052 UJ	0.043 U

Table A1: November 2012 Indoor Air Results ($\mu g/m^3$) for Residential and Commercial Buildings, Park Laundry Site, Ridgefield, Washington

 $\mu g/m^3$ – micrograms per cubic meter; U- result not detected at the reporting limit; J – estimated value; **Bold** – detected results

Residence

Commercial Building

Appendix B

This section provides the equation and assumptions used for determining the estimated increased cancer risk. We considered a child (0-5 years), an older child, and an adult inhaling the maximum concentration of 1,2-Dichloroethane (1,2-DCA) at a residence and commercial building located at the Park Laundry site in Ridgefield, Washington. It also provides the assumptions and estimated increased cancer risk for a worker inhaling the maximum amount of trichloroethylene (TCE) and 1,2-DCA at the fire station.

Estimated increased cancer risk = $\underline{Ca \times IR \times EF \times ED \times CSF}$ BW x AT

Parameter	Value	Unit	Comments
Concentration (Ca)	Variable	mg/m ³	Maximum detected value 1,2-Dichloroethane = 0.0015
Inhalation Rate (IR) - child	8.3		
Inhalation Rate (IR) - older child	14	m ³ /day	Exposure Factors Handbook (7)
Inhalation Rate (IR) - adult	15		
Exposure Frequency (EF)	350	days/year	7 days a week with a 2 week vacation
Exposure Duration (ED) - child	5		
Exposure Duration (ED) - older child	10	years	Exposure Factors Handbook (7)
Exposure Duration (ED) - adult	15		
Body Weight (BW) - child	15		0-5 year-old child average body weight (7)
Body Weight (BW) - older child	41	kg	Older child mean body weight (7)
Body Weight (BW) - adult	72		Adult mean body weight (7)
Averaging Time _{cancer} (AT)	27375	days	75 years (7)
Inhalation Cancer Slope Factor (CSF)	Variable	mg/kg-day ⁻¹	1,2-Dichloroethane = 0.091 (8)

Table B1: Exposure assumptions used to estimate the increased cancer risk associated with maximum concentration of 1,2-DCA found in indoor air at residences, Park Laundry Site, Ridgefield, Washington.

Table B2: Exposure assumptions used to estimate the increased cancer risk associated with maximum concentration of 1,2-DCA and TCE found in indoor air at commercial buildings and fire department at the Park Laundry Site, Ridgefield, Washington.

Parameter	Value	Unit	Comments
Concentration (Ca)	Variable	mg/m ³	Maximum detected value 1,2-Dichloroethane = 0.00044 TCE = 0.0012
Inhalation Rate (IR) - adult	10.4		Mean inhalation rate for outdoor workers (1.3 m3/hr).(7)
Exposure Frequency (EF)	250	days/year	5 days a week with a 2 week vacation
Exposure Duration (ED) - adult	25	years	Exposure Factors Handbook (7)
Body Weight (BW) - adult	72	kg	Adult mean body weight (7)
Averaging Time _{cancer} (AT)	27375	days	75 years (7)
Inhalation Cancer Slope Factor (CSF)	Variable	mg/kg-day ⁻¹	1,2-Dichloroethane = 0.091 (8) TCE = 0.014 (9)

Table B3: Estimated increased cancer risk associated with 1,2-DCA and TCE found in indoor air at the Park Laundry Site, Ridgefield, Washington.

	С	Cancer Risk		
Chemical	Child	Older Child	Adult	Worker
1,2-DCA	4.83E-06	5.96E-06	5.53E-06	1.32E-06
TCE	NA	NA	NA	5.54E-07
Total Cancer Risk		1.63E-05		1.87E-06

NA - not applicable - indoor air concentrations below the cancer comparison value

Reference List

- 1. Air Comparison Values from ATSDR's Sequoia Database [Data File]. Agency for Toxic Substances and Disease Registry. 2012 Aug.
- U.S. Environmental Protection Agency. Residential Air Screening Levels 2012 Nov [cited 2013 Jan 24] Available from <u>http://www.epa.gov/reg3hwmd/risk/human/rbconcentration_table/Generic_Tables/index.htm</u>.
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VAPOR INTRUSION EXPOSURE ASSESSMENT REPORT

FORMER PARK LAUNDRY SITE

Prepared for UNION RIDGE INVESTMENT COMPANY

RIDGEFIELD, WASHINGTON September 24, 2013 Project No. 8006.31.03

Prepared by Maul Foster & Alongi, Inc. 2001 NW 19th Avenue, Suite 200, Portland OR 97209



VAPOR INTRUSION EXPOSURE ASSESSMENT REPORT FORMER PARK LAUNDRY SITE The material and data in this report were prepared under the supervision and direction of the undersigned.

MAUL FOSTER & ALONGI, INC.

Bill Beadie, CIH Principal Industrial Hygienist

James J. Maul, LHG President/Principal Hydrogeologist

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CSM	conceptual site model
DCA	dichloroethane
DCE	dichloroethene
DOH	Washington State Department of Health
E&E	Ecology and Environment, Inc.
Ecology	Washington State Department of Ecology
GC/MS	gas chromatograph/mass spectrometer
MFA	Maul Foster & Alongi, Inc.
$\mu g/m^3$	micrograms per cubic meter
PCE	tetrachloroethene
Property	122 N. Main Avenue, Ridgefield, Washington
RI	remedial investigation
Sampling Plan	air sampling work plan
TCE	trichloroethene
URIC	Union Ridge Investment Company
VOC	volatile organic compound

Maul Foster & Alongi, Inc. has prepared this report to summarize the vapor intrusion exposure assessment conducted for the former Park Laundry site in Ridgefield, Washington (the site). Work was coordinated with the Washington State Department of Ecology with input from the Washington State Department of Health.

Buildings on the site were prioritized for sampling, based on identified risk factors for vapor intrusion, such as proximity to groundwater with the highest concentrations of chlorinated solvents, type of building construction, and the identification of preferential exposure pathways. The exposure assessment included sampling in and around approximately ten of the highest-priority buildings in November 2012 and again in July 2013.

Despite the identification of risk factors, the evaluation failed to identify vapor intrusion into any of the buildings on the site. This supports the conclusion that there is currently no indoor air exposure resulting from vapor intrusion on the site. The potential for future exposure on the properties on the site should be considered in the human health risk assessment necessary for completion of the remedial investigation.

INTRODUCTION

Maul Foster & Alongi, Inc. (MFA) has prepared this report on behalf of Union Ridge Investment Company (URIC) for the former Park Laundry site in Ridgefield, Washington (the site). Park Laundry was previously located at 122 N. Main Avenue (the Property). A remedial investigation (RI) is being performed pursuant to Agreed Order No. DE 6829 (Washington State Department of Ecology [Ecology], 2009a). The first phases of the RI indicated that volatile organic compounds (VOCs) are present in soil and groundwater on the Property and on neighboring properties. The Property historically was used by Park Laundry, which may have performed dry cleaning operations that resulted in the release of tetrachloroethene (PCE). In a letter dated July 30, 2012, Ecology ordered URIC to develop a plan for approval by Ecology and conduct sampling to assess the potential for vapor intrusion on the site (Ecology, 2012a).

MFA worked with Ecology and the Washington State Department of Health (DOH), to develop an Ecology-approved sampling plan (Sampling Plan) (MFA, 2012b) as part of an overall vapor intrusion assessment strategy consistent with Ecology's draft vapor intrusion guidance (Ecology, 2009b). MFA also provided a supplementary document to clarify the criteria used to select sampling locations at each property (MFA, 2012c). Ecology approved the Sampling Plan and MFA conducted assessment and sampling activities from November 12 through 17, 2012, and again from July 29 through July 31, 2013.

MFA provided Ecology with a data submittal after each of the vapor intrusion sampling events (MFA, 2013a,b). This report summarizes both sampling events and provides conclusions and recommendations based on the exposure assessment results, taking into consideration the groundwater monitoring data, historical soil gas data, and vapor intrusion modeling results.

2 EXPOSURE ASSESSMENT SCOPE AND METHODOLOGY

As recommended in Ecology's draft vapor intrusion guidance (Ecology, 2009b), the vapor intrusion exposure assessment was conducted using a tiered approach, consisting of a preliminary assessment, a Tier I assessment, and a Tier II assessment.

2.1 Preliminary Assessment

The goal of the preliminary assessment was to determine the potential for vapor intrusion on a site. Previous site investigations have identified VOC impacts in the soil and groundwater near occupied buildings, which provided the justification for continuing with a Tier I assessment (Clark County Health, 2006; E&E, 2008; Hahn, 2006; MFA, 2001).

2.2 Tier I Assessment

The Tier I assessment included collecting data to define the nature and extent of contamination in the subsurface and developing preliminary conceptual site models CSMs) for each building on or within 100 feet of the groundwater plume to identify locations with the greatest potential for vapor intrusion.

2.2.1 Subsurface Characterization

MFA installed groundwater monitoring wells and collected soil samples to characterize the nature and extent of contamination on the site. The results indicated a shallow source of chlorinated VOCs below several properties on the site. MFA and Ecology defined a vapor intrusion study area provided in Figure 1, which generally represents properties above, or within 100 feet of the groundwater plume boundary. The detailed results of the subsurface characterization have been provided in a series documents previously submitted to Ecology, e.g., Data Submittal for March 2012 Investigation at Former Park Laundry Property (MFA, 2012a).

2.2.2 Preliminary Conceptual Site Model and Sampling Plan Development

MFA developed preliminary CSMs based on information from written building surveys issued to occupants by Ecology and information gathered from a site walk. The purpose of the CSMs was to identify possible exposure pathways and prioritize buildings for sampling based on the potential for vapor intrusion. MFA compiled the information collected from the building surveys and site walk, and then coordinated with Ecology to develop the Sampling Plan with input from DOH. The buildings included in the Sampling Plan were considered to have the highest potential for vapor intrusion on the site, based on factors such as proximity to the groundwater plume, building construction type, and identification of exposure pathways, such as foundation cracks and utility penetrations. Three vacant properties were also included in the Sampling Plan to assess the probability that indoor air could be impacted should a building be constructed in the future.

2.3 Tier II Assessment—Vapor Intrusion Sampling

2.3.1 Sampling Scope and Methodology—November, 2012

Samples were collected in stainless steel Summa canisters and analyzed for PCE and associated breakdown products (trichloroethene [TCE]; 1,1-dichloroethene [1,1-DCE]; cis-1,2-DCE; trans-1,2-DCE; 1,1-dichloroethane [1,1-DCA]; 1,2-DCA; chloroethane; and vinyl chloride) by Modified U.S. Environmental Protection Agency Method TO-15 selected ion monitoring. Analytical data has consistently shown that the only hazardous substance associated with the site is PCE and there is no indication of the presence of associated breakdown products from any of the media analyzed, i.e., groundwater, soil gas, or soil.

Forty-eight samples were collected and analyzed during the 2012 mobilization:

- Twenty-one indoor air samples
- Three crawlspace air samples
- Seven soil gas samples
- Eleven subslab soil gas samples
- Six outdoor background air samples

The sampling scope for properties on the site is summarized in Table 1. Figure 2 shows soil gas, outdoor air, and groundwater sampling locations for 2012 and 2013. Wind roses used to evaluate and select background sampling locations are included in Appendix A.

ID	Property	Foundation Type	Number of Indoor Air Samples	Number of Subslab Samples	Number of Crawlspace Samples	Number of Soil Gas Samples
1*	117 N. 3rd Ave— Fire Station	Slab-on-grade	3	3	0	1
5*	210 N. Main Ave— Community Center	Slab-on-grade	3	0	0	1
7	116 N. Main Ave— Police Dept.	Slab-on-grade	2	3	0	0
9	121 N. Main Ave— Sportsman Bar & Grill	Crawlspace (inaccessible)	2	0	0	0
10*	127 N. Main Ave— Sales Office	Crawlspace	2	0	1	0
11*	201/205 N. Main Ave— Post Office	Slab-on-grade	3	4	0	1
13*	305 N. Main Ave	Slab-on-grade	2	1	0	1
24*	322 N. 1st Ave	Partial basement, partial crawlspace	2	0	1	1
27*	304 N. 1st Ave	Crawlspace	2	0	1	1
44*	122 N. Main Ave— Former Park Laundry Property, Vacant Lot	N/A	0	0	0	0
45*	126 N. Main Ave— Vacant Lot	N/A	0	0	0	1
46*	Main Ave/Mill Street Intersection— Vacant Lot	N/A	0	0	0	1

Table 12012 Sampling Summary

As described in the Sampling Plan, a two-phase approach was used to assess each property. The preliminary site visit included occupant interviews, an inspection to identify sampling locations, and the removal of potential indoor chemical sources. Information and representative photographs collected during the site survey and occupant interviews are summarized in Appendix B, Field Data Summary.

MFA used a portable gas chromatograph/mass spectrometer (GC/MS) to screen the indoor air in each building to identify potential indoor sources of chlorinated VOCs. Subslab and/or soil gas sampling ports, if applicable, were also installed during the preliminary visit. Samples were collected, consistent with the Sampling Plan, approximately 24 hours after the preliminary visit.

2.3.2 Sampling Scope and Methodology—July 2013

The sampling scope and methodology in 2013 were the same as in 2012, with the following exceptions.

Forty-seven samples were collected and analyzed during the 2013 mobilization:

- Twenty-two indoor air samples
- Two crawlspace air samples
- Nine soil gas samples
- Thirteen subslab soil gas samples
- Two outdoor background air samples

The sampling scope for properties on the site is summarized in Table 2.

ID	Property	Foundation Type	Number of Indoor Air Samples	Number of Subslab Samples	Number of Crawlspace Samples	Number of Soil Gas Samples
1*	117 N. 3rd Ave— Fire Station	Slab-on-grade	3	3	0	0
5*	210 N. Main Ave— Community Center	Slab-on-grade	3	2	0	1
7	116 N. Main Ave— Police Dept.	Slab-on-grade	2	3	0	0
9	121 N. Main Ave— Sportsman Bar & Grill	Crawlspace (inaccessible)	2	0	0	0
10*	127 N. Main Ave— Sales Office	Crawlspace	2	0	1	0
11*	201/205 N. Main Ave— Post Office	Slab-on-grade	3	4	0	1
13*	305 N. Main Ave	Slab-on-grade	2	1	0	1
24*	322 N. 1st Ave	Partial basement, partial crawlspace	0	0	0	1
27*	304 N. 1st Ave	Crawlspace	2	0	1	1
28*	305 N. 1st Ave	Basement	3	0	0	1
44*	122 N. Main Ave—Former Park Laundry Property, Vacant Lot	N/A	0	0	0	1

Table 22013 Sampling Summary

ID	Property	Foundation Type	Number of Indoor Air Samples	Number of Subslab Samples	Number of Crawlspace Samples	Number of Soil Gas Samples
45*	126 N. Main Ave—Vacant Lot	N/A	0	0	0	1
46*	Main Ave/Mill Street Intersection— Vacant Lot	N/A	0	0	0	1
*A soil gas sampling port was installed at the property. Soil gas samples were taken only from locations where groundwater was not encountered.						

MFA limited the assessment of potential indoor sources of chlorinated VOCs to interviews and a visual inspection instead of using a portable GC/MS.

2.3.3 Refined Conceptual Site Models

MFA refined the CSM for each of the buildings included in the Sampling Plan, based on the information gathered during the visual inspection. The results are provided in Appendix C, Conceptual Site Models, and the content of the CSM is consistent with Section 3.2 of Ecology's draft vapor intrusion guidance (Ecology, 2009b).

3 EXPOSURE ASSESSMENT SAMPLING CRITERIA

Results from the assessment were compared to screening levels summarized in Table 3.

Analyte	CAS Number	Screening Level— Air	Screening Level— Soil Gas		
PCE	127-18-4	9.6	96		
TCE	79-01-6	0.37	3.7		
1,1-DCE	75-35-4	91	910		
cis-1,2-DCE	156-59-2	16	160		
trans-1,2-DCE	156-60-5	32	320		
1,1-DCA	75-34-3	320	3200		
1,2-DCA	107-06-2	0.096	0.96		
Chloroethane	75-00-3	3	30		
Vinyl chloride	75-01-4	0.28	2.8		
NOTES: Screening levels are based on Table B-1 (Ecology, 2009b). Values for PCE and TCE are based on CLARC guidance (Ecology, 2012b). CAS = Chemical Abstract Service. µg/m ³ = micrograms per cubic meter.					

Table 3 Analytes and Screening Levels (µg/m³)

Sampling results are summarized in the attached analytical tables (Tables 4 and 5). Complete laboratory reports and data validation are also provided in Appendices D and E, respectively.

4.1 Soil Gas Samples

4.1.1 November 2012

- PCE was detected in one soil gas sample (Property 45, Vacant Lot at 126 N. Main Avenue) that exceeded the screening level (96 μ g/m³), with a concentration of 2,800 μ g/m³.
- TCE was detected in one soil gas sample (Property 11, Post Office) that exceeded the screening level $(3.7 \,\mu\text{g/m}^3)$, with a concentration of $4.7 \mu\text{g/m}^3$.
- Vinyl chloride was detected in one soil gas sample (Property 11, Post Office) that exceeded the screening level $(2.8 \,\mu\text{g/m}^3)$, with a concentration of $4.7 \,\mu\text{g/m}^3$.

4.1.2 July 2013

- PCE results exceeded the screening level of $96 \,\mu\text{g/m}^3$ in five soil gas samples. Each of the three vacant lots had exceedances, with results ranging from $100 \,\mu\text{g/m}^3$ at Property 46, the corner of Main Avenue and Mill Street, to 9,500 $\mu\text{g/m}^3$ at Property 44, the Property. The soil gas result for Property 5, the Community Center, was $250 \,\mu\text{g/m}^3$, and the result for Property 28, 305 N. 1st Avenue, was $16,000 \,\mu\text{g/m}^3$.
- TCE results exceeded the screening level of $3.7 \ \mu g/m^3$ in one soil gas sample. The soil gas concentration at Property 11, the Post Office, was $5.2 \ \mu g/m^3$. TCE is not a site-related hazardous substance.

4.2 Subslab Samples

4.2.1 November 2012

- No subslab sample results exceeded the screening level for any analytes.
- Helium was detected in three subslab samples, with reported concentrations of 0.24 percent and 0.59 percent (Property 7, Police Department), and 0.38% (Property 11, Post Office).

4.2.2 July 2013

 PCE results exceeded the screening level of 96 μg/m³ in both of the subslab samples at Property 5, the Community Center, with results of 320 μg/m³ and 750 μg/m³. PCE was not detected in indoor air samples.

4.3 Indoor and Outdoor Air Samples

4.3.1 November 2012

- TCE was detected above the screening level $(0.37 \ \mu g/m^3)$ in all three indoor air samples collected from Property 1, the Fire Station, with results between $1 \ \mu g/m^3$ and $1.2 \ \mu g/m^3$. Results from all three subslab samples at the Fire Station showed that TCE concentrations were either non-detect or estimated to be $0.35 \ \mu g/m^3$ or less.
- 1,2-DCA was detected above the screening level of 0.096 μ g/m³ in 15 out of 21 indoor air and two out of six outdoor air (background) samples. Reported indoor air concentrations ranged from 0.074 μ g/m³ to 1.5 μ g/m³. Reported outdoor air concentrations ranged from 0.056 μ g/m³ to 0.81 μ g/m³.
- 1,2-DCA was not detected above the screening level or method reporting limit in any subsurface samples, including both subslab and soil gas.
- Each sample had an initial starting canister pressure of at least -28 inches of mercury. Two samples (1-IA2-111512, collected from upstairs of the Fire Station, and sample 27-CS1-111512, collected from the crawlspace of 304 N. 1st Avenue) were received by the lab with a final canister pressure of 0 inches of mercury.

4.3.2 July 2013

- TCE was detected above the screening level $(0.37 \,\mu\text{g/m}^3)$ in two of the three indoor air samples collected from Property 1, the Fire Station, with results between $0.47 \,\mu\text{g/m}^3$ and $2.2 \,\mu\text{g/m}^3$. TCE was not detected in any of the three subslab sampling locations at the Fire Station.
- TCE was detected above the screening level $(0.37 \ \mu g/m^3)$ in one of the three indoor air samples collected from Property 5, the Community Center, with a result of $0.68 \ \mu g/m^3$. TCE was not detected in either of the two subslab sampling locations at the Community Center.
- TCE was detected above the screening level $(0.37 \ \mu g/m^3)$ in one of the two indoor air samples collected from Property 9, the Sportsman Bar & Grill, with a result of 1.3 $\mu g/m^3$.
- PCE and TCE were both detected in one of the two outdoor air (background) samples, but results were below the screening levels.

- 1,2-DCA was detected above the screening level of $0.096 \ \mu g/m^3$ in 17 out of 22 indoor air and one out of two outdoor air (background) samples. Reported indoor air concentrations ranged from $0.069 \ \mu g/m^3$ to $2.6 \ \mu g/m^3$. Reported outdoor air concentrations ranged from $0.061 \ \mu g/m^3$ to $0.16 \ \mu g/m^3$.
- 1,2-DCA was not detected above the screening level or method reporting limit in any subsurface samples, including both subslab and soil gas.

DISCUSSION

There appears to be no vapor intrusion into buildings on this site. This conclusion is based on multiple lines of evidence, including the lack of any constituents above screening levels in the indoor air that were simultaneously found in corresponding soil gas or subslab samples.

The presence of PCE above the screening level in the soil gas on the two vacant lots immediately north of the former Park Laundry property (see Figure 1) warrants consideration of possible vapor intrusion into buildings that may be constructed in the future as part of the human health risk assessment.

Although PCE was detected above the soil gas screening level near and below the slab of the Community Center, PCE was not identified in indoor air above the screening level after two rounds of sampling. Similarly, PCE was identified above the screening level in the soil gas near 305 N. 1st Avenue and near the Post Office, but was not detected in the indoor air in either location. TCE and vinyl chloride were also detected above the screening level in the soil gas near the Post Office, but were not above the screening level in the subslab sample or in indoor air.

TCE and 1,2-DCA were the only constituents detected in indoor air above the screening level in any of the buildings. Neither TCE or 1,2-DCA are site-related hazardous substances. TCE appears related to indoor sources, based on the lack of TCE in corresponding subsurface samples. The groundwater level was too high to collect a soil gas sample near the Sportsman Bar & Grill. The general lack of TCE in the subsurface throughout the site makes it unlikely that the result at the Sportsman Bar & Grill is due to vapor intrusion.

There appears to be at least one background source of 1,2-DCA, indicated by the generally consistent concentrations in the indoor air and in some of the background samples, and by the absence of 1,2-DCA above screening levels or the method reporting limit in the soil gas or subslab samples. According to literature sources, 1,2-DCA is an additive to many common products, including leaded gasoline, paints, and adhesives, such as those used in wallpaper glue or carpeting (ATSDR, 2001). The presence of TCE in one of the background samples collected in 2013 suggests that there is either a background source near the site, or that the background sample was sufficiently downwind during the sampling period to be affected by the site contaminants.

Helium detected in three of the subslab samples collected in 2012 indicates the potential infiltration of ambient air, which suggests that the detected constituents in these samples are likely to be underestimated. However, each property with subslab sampling data had at least one sample result with no helium detected. Therefore, the subslab data provide a strong line of evidence on which to base conclusions about the lack of vapor intrusion.

6 RECOMMENDATIONS

Based on the results of the assessment, MFA recommends the following:

- 1. Communicate the assessment results to building owners and occupants.
- 2. The potential for future exposure on the properties on the site should be considered in the human health risk assessment necessary for completion of the RI.
- 3. The indoor air assessment for the site should be considered concluded.

The services undertaken in completing this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

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ANALYTICAL TABLES



Property	Location	Sample ID	Date Collected	1,1-Dichloro- ethane	1,1-Dichloro- ethene	1,2-Dichloro- ethane	Chloroethane	cis-1,2- Dichloroethene	PCE	trans-1,2- Dichloroethene	TCE	Vinyl Chloride
MTCA Method B Indoor Air Screening	Level ^{a,b}			320	91	0.096	3	16	9.6	32	0.37	0.28
Indoor Air												
	1-IA1	1-IA1-111512	11/15/2012	0.12 U	0.059 U	0.31	0.2 U	0.12 U	0.2 U	0.59 U	1.2	0.038 U
	1-IA2	1-IA2-111512	11/15/2012	0.11 U	0.053 U	0.2	0.18 U	0.11 U	0.18 U	0.53 U	1	0.034 U
117 N. 2rd Ave. Fire Station	1-IA3	1-IA3-111512	11/15/2012	0.13 U	0.063 U	0.086 J	0.21 U	0.12 U	0.21 U	0.63 U	1	0.04 U
117 N. 3rd Ave—Fire Station	1-IA1	1-IA1-072913	07/29/2013	0.13 U	0.063 U	0.17	0.21 U	0.12 U	0.21 U	0.63 U	2.2	0.040 U
	1-IA2	1-IA2-072913	07/29/2013	0.12 U	0.061 U	0.074 J	0.20 U	0.12 U	0.21 U	0.61 U	0.47	0.040 U
	1-IA3	1-IA3-072913	07/29/2013	0.12 U	0.059 U	0.069 J	0.20 U	0.12 U	0.20 U	0.59 U	0.29	0.038 U
	5-IA1	5-IA1-111412	11/14/2012	0.12 U	0.061 U	0.093 J	0.2 U	0.12 U	0.23	0.61 U	0.063 J	0.04 U
	5-IA2	5-IA2-111412	11/14/2012	0.12 U	0.06 U	0.11 J	0.2 U	0.12 U	0.22	0.6 U	0.17	0.039 U
210 N. Main Ave—Community Center	5-IA3	5-IA3-111412	11/14/2012	0.13 U	0.065 U	0.074 J	0.22 U	0.13 U	0.22 U	0.65 U	0.058 J	0.042 U
210 N. Main Ave—Community Center	5-IA1	5-IA1-073013	07/30/2013	0.12 U	0.061 U	0.064 J	0.20 U	0.12 U	0.44	0.61 U	0.16 U	0.039 U
	5-IA2	5-IA2-073013	07/30/2013	0.12 U	0.061 U	0.081 J	0.20 U	0.12 U	0.52	0.61 U	0.16 U	0.039 U
	5-IA3	5-IA3-073013	07/30/2013	0.13 U	0.062 U	0.15	0.21 U	0.12 U	0.81	0.62 U	0.68	0.040 U
	7-IA1	7-IA1-111512	11/15/2012	0.12 U	0.06 U	0.12	0.2 U	0.12 U	0.2 U	0.6 U	0.12 J	0.039 U
116 N. Main Ava Dalias Dapartment	7-IA2	7-IA2-111512	11/15/2012	0.12 U	0.059 U	0.08 J	0.2 U	0.12 U	0.2 J	0.59 U	0.074 J	0.038 U
116 N. Main Ave—Police Department	7-IA1	7-IA1-072913	07/29/2013	0.13 U	0.062 U	0.076 J	0.20 U	0.12 U	0.21 U	0.62 U	0.17 U	0.040 U
	7-IA2	7-IA2-072913	07/29/2013	0.12 U	0.057 U	0.10 J	0.19 U	0.11 U	0.20 U	0.57 U	0.15 U	0.037 U
	9-IA1	9-IA1-111212	11/12/2012	0.23 U	0.11 U	0.16 J	0.38 U	0.23 U	0.39 U	1.1 U	0.12 J	0.074 U
121 N. Main Ave—Sportsman Grill	9-IA2	9-IA2-111212	11/12/2012	0.14 U	0.069 U	0.12 J	0.23 U	0.14 U	0.24 U	0.69 U	0.056 J	0.044 U
121 N. Main Ave—sponsman Ghi	9-IA1	9-IA1-072913	07/29/2013	0.25 U	0.12 U	0.47	0.41 U	0.25 U	1.1	1.2 U	1.3	0.083
	9-IA2	9-IA2-072913	07/29/2013	0.12 U	0.059 U	0.14	0.20 U	0.12 U	0.20 U	0.59 U	0.16 U	0.038 U
	10-IA1	10-IA1-111512	11/15/2012	0.14 U	0.069 U	0.33	0.23 U	0.14 U	0.24 U	0.69 U	0.03 J	0.045 U
127 N. Main Ave. Salas Office	10-IA2	10-IA2-111512	11/15/2012	0.13 U	0.064 U	0.44	0.21 U	0.13 U	0.22 U	0.64 U	0.026 J	0.041 U
127 N. Main Ave—Sales Office	10-IA1	10-IA1-072913	07/29/2013	0.12 U	0.058 U	0.37	0.19 U	0.12 U	0.25	0.58 U	0.16 U	0.038 U
	10-IA2	10-IA2-072913	07/29/2013	0.12 U	0.060 U	0.33	0.20 U	0.12 U	0.20 U	0.60 U	0.16 U	0.038 U
	11-IA1	11-IA1-111512	11/15/2012	0.13 U	0.063 U	0.22	0.21 U	0.13 U	0.23	0.63 U	0.043 J	0.041 U
	11-IA2	11-IA2-111512	11/15/2012	0.12 U	0.06 U	0.2	0.2 U	0.12 U	0.21 U	0.6 U	0.051 J	0.039 U
201 / 205 N. Main Ave. Dest Office	11-IA3	11-IA3-111512	11/15/2012	0.12 U	0.06 U	0.19	0.2 U	0.12 U	0.27	0.6 U	0.035 J	0.039 U
201 / 205 N. Main Ave—Post Office	11-IA1	11-IA1-072913	07/29/2013	0.12 U	0.059 U	0.54	0.20 U	0.12 U	0.46	0.59 U	0.16 U	0.074
	11-IA2	11-IA2-072913	07/29/2013	0.12 U	0.059 U	0.54	0.20 U	0.12 U	0.20 U	0.59 U	0.16 U	0.038 U
	11-IA3	11-IA3-072913	07/29/2013	0.12 U	0.059 U	0.39	0.20 U	0.12 U	0.29	0.59 U	0.16 U	0.038 U
	13-IA1	13-IA1-111612	11/16/2012	0.13 U	0.062 U	0.48	0.2 U	0.12 U	0.21 U	0.62 U	0.03 J	0.04 U
	13-IA2	13-IA2-111612	11/16/2012	0.13 U	0.063 U	0.67	0.21 U	0.13 U	0.22 U	0.63 U	0.095 J	0.041 U
305 N. Main Ave	13-IA1	13-IA1-073013	07/30/2013	0.13 U	0.065 U	0.57	0.22 U	0.13 U	0.22 U	0.65 U	0.18 U	0.042 U
	13-IA2	13-IA2-073013	07/30/2013	0.11 U	0.055 U	2.2	0.18 U	0.11 U	0.36	0.55 U	0.15 U	0.036 U
222 NL 1ct Avo	24-IA1	24-IA1-111612	11/16/2012	0.12 U	0.061 U	0.08 J	0.2 U	0.12 U	0.21 U	0.61 U	0.068 J	0.039 U
322 N. 1st Ave	24-IA2	24-IA2-111612	11/16/2012	0.12 U	0.061 U	0.08 J	0.2 U	0.12 U	0.21 U	0.61 U	0.029 J	0.04 U

Table 4 Air Results (µg/m³) Former Park Laundry Ridgefield, Washington

Property	Location	Sample ID	Date Collected	1,1-Dichloro- ethane	1,1-Dichloro- ethene	1,2-Dichloro- ethane	Chloroethane	cis-1,2- Dichloroethene	PCE	trans-1,2- Dichloroethene	TCE	Vinyl Chloride
MTCA Method B Indoor Air Screenin	g Level ^{a,b}	•		320	91	0.096	3	16	9.6	32	0.37	0.28
	27-IA1	27-IA1-111512	11/15/2012	0.12 U	0.061 U	1.5	0.20 U	0.12 U	0.21 U	0.61 U	0.083 J	0.04 U
304 N. 1st Ave	27-IA2	27-IA2-111512	11/15/2012	0.14 U	0.067 U	1.5	0.22 U	0.13 U	0.23 U	0.67 U	0.052 UJ	0.043 U
304 N. TSLAVE	27-IA1	27-IA1-073013	07/30/2013	0.12 U	0.061 U	2.1	0.20 U	0.12 U	1.1	0.61 U	0.16 U	0.039 U
	27-IA2	27-IA2-073013	07/30/2013	0.13 U	0.063 U	2.6	0.21 U	0.13 U	1.2	0.63 U	0.17 U	0.041 U
	28-IA1	28-IA1-073013	07/30/2013	0.14 U	0.068 U	0.32	0.22 U	0.14 U	0.85	0.68 U	0.18 U	0.044 U
305 N. 1st Ave	28-IA2	28-IA2-073013	07/30/2013	0.13 U	0.064 U	0.82	0.21 U	0.13 U	0.30	0.64 U	0.17 U	0.041 U
	28-IA3	28-IA3-073013	07/30/2013	0.12 U	0.060 U	0.51	0.20 U	0.12 U	0.27	0.60 U	0.16 U	0.043
Crawlspace												
127 N. Main Ave—Sales Office	10-CS1	10-CS1-111512	11/15/2012	0.11 U	0.055 U	0.063 J	0.18 U	0.11 U	0.19 U	0.55 U	0.035 J	0.035 U
127 N. Main Ave—sales Office	10-CS1	10-CS1-072913	07/29/2013	0.12 U	0.060 U	0.055 J	0.20 U	0.12 U	0.20 U	0.60 U	0.16 U	0.038 U
322 N. 1st Ave	24-CS1	24-CS1-111512	11/15/2012	0.13 U	0.065 U	0.061 J	0.22 U	0.13 U	0.22 U	0.65 U	0.052 UJ	0.042 U
304 N. 1st Ave	27-CS1	27-CS1-111512	11/15/2012	0.11 U	0.053 U	0.17	0.18 U	0.11 U	0.18 U	0.53 U	0.053 J	0.039
304 N. TSLAVE	27-CS1	27-CS1-073013	07/30/2013	0.12 U	0.059 U	0.093 J	0.20 U	0.12 U	0.20 U	0.59 U	0.17	0.038 U
Outdoor Air (Background)												
Living Center	OA1	OA1-111512	11/15/2012	0.12 U	0.06 U	0.81 J	0.2 U	0.12 U	0.21 U	0.6 U	0.053 J	0.039 U
Living Center	OA1	OA1-111612	11/16/2012	0.12 U	0.061 U	0.062 J	0.2 U	0.12 U	0.21 U	0.61 U	0.047 J	0.04 U
El Rancho Viejo	OA2	OA2-111512	11/15/2012	0.1 U	0.05 U	0.056 J	0.17 U	0.1 U	0.17 U	0.5 U	0.048 J	0.032 U
	OA2	OA2-111612	11/16/2012	0.12 U	0.057 U	0.069 J	0.19 U	0.11 U	0.2 U	0.57 U	0.047 J	0.037 U
	OA3	OA3-111512	11/15/2012	0.12 U	0.061 U	0.26	0.2 U	0.12 U	0.21 U	0.61 U	0.064 J	0.04 U
Davis Park	OA3	OA3-111612	11/16/2012	0.12 U	0.06 U	0.068 J	0.2 U	0.12 U	0.21 U	0.6 U	0.06 J	0.039 U
Davisraik	OA3	OA3-072913	07/29/2013	0.12 U	0.059 U	0.16	0.20 U	0.12 U	0.63	0.59 U	0.26	0.038 U
	OA3	OA3-073013	07/30/2013	0.13 U	0.063 U	0.061 J	0.21 U	0.13 U	0.22 U	0.63 U	0.17 U	0.041 U

NOTES:

Detections are in bold font.

Detections that exceed MTCA Method B screening levels are shaded.

J = Result is estimated value.

MTCA = Model Toxics Control Act.

 $\mu g/m^3$ = micrograms per cubic meter

PCE = tetrachloroethene.

TCE = trichloroethene.

U = Result is non-detect to method detection limit for 1,2-dichloroethane results for samples collected in July 2013. Result is non-detect to method reporting limit for all other results.

^aMTCA Method B for Indoor Air from Table B-1 (Ecology, 2009).

^bScreening level values for PCE and TCE are based on CLARC guidance dated September 2012.

Table 4 Air Results (µg/m³) Former Park Laundry Ridgefield, Washington

Property	Location	Sample ID	Date Collected	1,1-Dichloro- ethane	1,1-Dichloro- ethene	1,2-Dichloro- ethane	Chloroethane	cis-1,2- Dichloroethene	PCE	trans-1,2- Dichloroethene	TCE	Vinyl Chloride	Helium (%)
MTCA Method B Soil Gas Screening Leve	el ^{a,b}			3200	910	0.96	30	160	96	320	3.7	2.8	
Subslab				<u>I</u>	<u>I</u>	Į	Į	<u>. </u>				<u> </u>	
	1-SS1	1-SS1-111512	11/15/2012	0.92 U	0.9 U	0.075 U	3 U	0.9 U	1.5 U	0.9 U	0.29 J	0.58 U	0.11 U
	1-SS2	1-SS2-111512	11/15/2012	0.89 U	0.88 U	0.073 U	2.9 U	0.88 U	2.2	0.88 U	0.18 U	0.56 U	0.11 U
	1-SS3	1-SS3-111512	11/15/2012	0.91 U	0.9 U	0.074 U	3 U	0.9 U	1.5 U	0.9 U	0.35 J	0.58 U	0.11 U
117 N. 3rd Ave—Fire Station	1-SS1	1-SS1-072913	07/29/2013	4.7 U	4.6 U	0.89 U	12 U	4.6 U	7.9 U	4.6 U	1.6 U	0.77 U	NA
	1-SS2	1-SS2-072913	07/29/2013	4.7 U	4.6 U	0.89 U	12 U	4.6 U	7.9 U	4.6 U	1.6 U	0.77 U	NA
	1-SS3	1-SS3-072913	07/29/2013	4.7 U	4.6 U	0.88 U	12 U	4.6 U	7.9 U	4.6 U	1.6 U	0.76 U	NA
	5-SS1	5-SS1-073013	07/30/2013	4.5 U	4.4 U	0.86 U	12 U	4.4 U	750	4.4 U	1.6 U	0.74 U	NA
210 N. Main Ave—Community Center	5-SS2	5-SS2-073013	07/30/2013	4.6 U	4.6 U	0.88 U	12 U	4.6 U	320	4.6 U	1.6 U	0.76 U	NA
	7-SS1	7-SS1-111512	11/15/2012	0.94 U	0.92 U	0.076 U	3 U	0.92 U	12	0.92 U	0.31 J	0.59 U	0.12 U
	7-SS2	7-SS2-111512	11/15/2012	0.97 U	0.95 U	0.079 U	3.2 U	0.95 U	7.8 J	0.95 U	0.36 J	0.61 U	0.59
11/ N. Main Aug. Dallas Davastrasart	7-SS3	7-SS3-111512	11/15/2012	0.91 U	0.9 U	0.074 U	3 U	0.9 U	14 J	0.9 U	0.19 U	0.58 U	0.24
116 N. Main Ave—Police Department	7-SS1	7-SS1-072913	07/29/2013	4.8 U	4.7 U	0.90 U	12 U	4.7 U	8.0 U	4.7 U	1.6 U	0.78 U	NA
	7-SS2	7-SS2-072913	07/29/2013	4.8 U	4.6 U	0.90 U	12 U	4.6 U	8.0 U	4.6 U	1.6 U	0.78 U	NA
	7-SS3	7-SS3-072913	07/29/2013	5.0 U	4.8 U	0.94 U	13 U	4.8 U	8.3 U	4.8 U	1.7 U	0.81 U	NA
	11-SS1	11-SS1-111512	11/15/2012	0.82 U	0.8 U	0.22 J	2.7 U	0.8 U	1.4 U	0.8 U	0.17 U	0.52 U	0.1 U
	11-SS2	11-SS2-111512	11/15/2012	1.9 U	1.8 U	0.72 J	6.1 U	1.8 U	3.1 U	1.8 U	0.38 U	1.2 U	0.38
	11-SS3	11-SS3-111512	11/15/2012	2.1 U	2 U	0.17 U	6.8 U	2 U	3.5 U	2 U	0.42 U	1.3 U	0.13 U
201 / 205 N. Main Ave—Post Office	11-SS4	11-SS4-111512	11/15/2012	2.9 U	2.8 U	0.23 U	9.4 U	2.8 U	6.9	2.8 U	0.59 U	1.8 U	0.11 U
2017 205 N. Main Ave—Post Office	11-SS1	11-SS1-073113	07/31/2013	4.8 U	4.6 U	0.78 U	12 U	4.6 U	10	4.6 U	1.1 U	0.88 U	NA
	11-SS2	11-SS2-073113	07/31/2013	5.0 U	4.9 U	0.81 U	13 U	4.9 U	8.3 U	4.9 U	1.2 U	0.92 U	NA
	11-SS3	11-SS3-073113	07/31/2013	4.6 U	4.5 U	0.76 U	12 U	4.5 U	7.8 U	4.5 U	1.1 U	0.85 U	NA
	11-SS4	11-SS4-073113	07/31/2013	4.6 U	4.6 U	0.76 U	12 U	4.6 U	7.8 U	4.6 U	1.1 U	0.86 U	NA
305 N. Main Ave	13-SS1	13-SS1-111612	11/16/2012	0.87 U	0.86 U	0.071 U	2.8 U	0.86 U	1.9	0.86 U	0.18 U	0.55 U	0.11 U
SUS IN. IVIAIIT AVE	13-SS1	13-SS1-073013	07/30/2013	5.2 U	5.1 U	0.85 U	14 U	5.1 U	8.7 U	5.1 U	1.2 U	0.96 U	NA
Soil Gas													
117 N. 3rd Ave—Fire Station	1-SG1	1-SG1-111512	11/15/2012	0.88 U	0.86 U	0.34 J	2.9 U	0.86 U	16	0.86 U	0.95 J	0.56 U	0.11 U
210 N. Main Ave—Community Center	5-SG1	5-SG1-111512	11/15/2012	0.93 U	0.91 U	0.16 J	3 U	0.91 U	92	0.91 U	0.48 J	0.59 U	0.12 U
210 N. Main Ave—Community Center	5-SG1	5-SG1-073013	07/30/2013	4.7 U	4.6 U	0.89 U	12 U	4.6 U	250	4.6 U	1.6 U	0.77 U	NA
201 / 205 N. Main Ave—Post Office	11-SG1	11-SG1-111612	11/16/2012	0.93 U	0.91 U	0.076 U	3 U	3.3	1.6 U	0.91 U	4.7	4.7	0.12 U
2017 203 N. Main Ave—Post Office	11-SG1	11-SG1-073113	07/31/2013	5.0 U	4.9 U	0.94 U	13 U	13	34	4.9 U	5.2 J	2.7 J	NA
305 N. Main Ave	13-SG1	13-SG1-111512	11/15/2012	1 U	0.99 U	0.082 U	3.3 U	0.99 U	26	0.99 U	0.4 J	0.64 U	0.12 U
	13-SG1	13-SG1-073013	07/30/2013	5.3 U	5.2 U	0.99 U	14 U	5.2 U	30	5.2 U	2.4 J	0.86 U	NA
322 N. 1st Ave	24-SG1	24-SG1-111512	11/15/2012	0.99 U	0.97 U	0.08 U	3.2 U	0.97 U	2.6	0.97 U	0.35 J	0.62 U	0.12 U
522 N. 151 AVE	24-SG1	24-SG1-073013	07/30/2013	5.3 U	5.2 U	1.0 U	14 U	5.2 U	8.9 U	5.2 U	1.8 U	0.87 U	NA
304 N. 1st Ave	27-SG1	27-SG1-111512	11/15/2012	0.88 U	0.86 U	0.21 J	2.9 U	0.86 U	5.9	0.86 U	0.5 J	0.56 U	0.11 U
	27-SG1	27-SG1-072913	07/29/2013	5.1 U	5.0 U	0.96 U	13 U	5.0 U	8.5 U	5.0 U	1.7 U	0.83 U	NA

Table 5

Soil Gas Results (µg/m³) Former Park Laundry Ridgefield, Washington

Location	Sample ID	Date Collected	1,1-Dichloro- ethane	1,1-Dichloro- ethene	1,2-Dichloro- ethane	Chloroethane	cis-1,2- Dichloroethene	PCE	trans-1,2- Dichloroethene	TCE	Vinyl Chloride	Helium (%)
a,b			3200	910	0.96	30	160	96	320	3.7	2.8	
28-SG1	28-SG1-073013	07/30/2013	33 U	32 U	6.2 U	85 U	32 U	16000	32 U	11 U	5.3 U	NA
44-SG1	44-SG1-073113	07/31/2013	19 U	19 U	3.6 U	50 U	19 U	9500	19 U	6.5 U	3.1 U	NA
45-SG1	45-SG1-111512	11/15/2012	4.6 U	4.5 U	0.37 U	15 U	4.5 U	2800	4.5 U	1.6 J	2.9 U	0.11 U
45-SG1	45-SG1-073113	07/31/2013	4.8 U	4.7 U	0.90 U	12 U	4.7 U	1800	4.7 U	1.6 U	0.78 U	NA
46-SG1	46-SG1-111512	11/15/2012	0.87 U	0.85 U	0.071 U	2.8 U	0.85 U	56	0.85 U	0.25 J	0.55 U	0.11 U
46-SG1	46-SG1-073013	07/30/2013	5.0 U	4.9 U	5.0 U	13 U	4.9 U	100	4.9 U	1.7 U	0.81 U	NA
1	. ^b 28-SG1 44-SG1 45-SG1 45-SG1 46-SG1	b 28-SG1 28-SG1-073013 44-SG1 44-SG1-073113 45-SG1 45-SG1-111512 45-SG1 45-SG1-073113 46-SG1 46-SG1-111512	Location Sample ID Collected .b 28-SG1 28-SG1-073013 07/30/2013 44-SG1 44-SG1-073113 07/31/2013 45-SG1 45-SG1-111512 11/15/2012 45-SG1 45-SG1-073113 07/31/2013 46-SG1 46-SG1-111512 11/15/2012	Location Sample ID Collected ethane .b 3200 28-SG1 28-SG1-073013 07/30/2013 33 U 44-SG1 44-SG1-073113 07/31/2013 19 U 45-SG1 45-SG1-111512 11/15/2012 4.6 U 45-SG1 45-SG1-073113 07/31/2013 4.8 U 46-SG1 46-SG1-111512 11/15/2012 0.87 U	Location Sample ID Collected ethane ethene .b 3200 910 28-SG1 28-SG1-073013 07/30/2013 33 U 32 U 44-SG1 44-SG1-073113 07/31/2013 19 U 19 U 45-SG1 45-SG1-111512 11/15/2012 4.6 U 4.5 U 45-SG1 45-SG1-073113 07/31/2013 4.8 U 4.7 U 46-SG1 46-SG1-111512 11/15/2012 0.87 U 0.85 U	Location Sample ID Collected ethane ethane ethane .b 3200 910 0.96 28-SG1 28-SG1-073013 07/30/2013 33 U 32 U 6.2 U 44-SG1 44-SG1-073113 07/31/2013 19 U 19 U 3.6 U 45-SG1 45-SG1-111512 11/15/2012 4.6 U 4.5 U 0.37 U 45-SG1 45-SG1-073113 07/31/2013 4.8 U 4.7 U 0.90 U 46-SG1 46-SG1-111512 11/15/2012 0.87 U 0.85 U 0.071 U	LocationSample IDCollectedethaneethaneetheneethaneethaneChloroethane.b.b.32009100.963028-SG128-SG1-07301307/30/201333 U32 U6.2 U85 U44-SG144-SG1-07311307/31/201319 U19 U3.6 U50 U45-SG145-SG1-11151211/15/20124.6 U4.5 U0.37 U15 U45-SG145-SG1-07311307/31/20134.8 U4.7 U0.90 U12 U46-SG146-SG1-11151211/15/20120.87 U0.85 U0.071 U2.8 U	LocationSample IDCollectedethaneethaneethaneethaneChloroethaneDichloroethane.b.b.32009100.963016028-SG128-SG1-07301307/30/201333 U32 U6.2 U85 U32 U44-SG144-SG1-07311307/31/201319 U19 U3.6 U50 U19 U45-SG145-SG1-11151211/15/20124.6 U4.5 U0.37 U15 U4.5 U45-SG145-SG1-07311307/31/20134.8 U4.7 U0.90 U12 U4.7 U46-SG146-SG1-11151211/15/20120.87 U0.85 U0.071 U2.8 U0.85 U	LocationSample IDCollectedethaneethaneethaneethaneChloroethaneDichloroethenePCE.b.b.32009100.96301609628-SG128-SG1-07301307/30/201333 U32 U6.2 U85 U32 U1600044-SG144-SG1-07311307/31/201319 U19 U3.6 U50 U19 U950045-SG145-SG1-11151211/15/20124.6 U4.5 U0.37 U15 U4.5 U280045-SG145-SG1-07311307/31/20134.8 U4.7 U0.90 U12 U4.7 U180046-SG146-SG1-11151211/15/20120.87 U0.85 U0.071 U2.8 U0.85 U56	Location Sample ID Collected ethane ethane Chloroethane Dichloroethene PCE Dichloroethene J ^b 3200 910 0.96 30 160 96 320 28-SG1 28-SG1-073013 07/30/2013 33 U 32 U 6.2 U 85 U 32 U 16000 32 U 44-SG1 44-SG1-073113 07/31/2013 19 U 19 U 3.6 U 50 U 19 U 9500 19 U 45-SG1 45-SG1-111512 11/15/2012 4.6 U 4.5 U 0.37 U 15 U 4.5 U 2800 4.5 U 45-SG1 45-SG1-073113 07/31/2013 4.8 U 4.7 U 0.90 U 12 U 4.7 U 1800 4.7 U 46-SG1 11/15/2012 0.87 U 0.85 U 0.071 U 2.8 U 0.85 U 56 0.85 U	Location Sample ID Collected ethane ethane Chloroethane Dichloroethane PCE Dichloroethane Dichloroethane PCE Dichloroethane Dichloroethane <td>Location Sample ID Collected ethane ethane ethane Chloroethane Dichloroethene <thdichloroethene< th=""> Dichloroethene</thdichloroethene<></td>	Location Sample ID Collected ethane ethane ethane Chloroethane Dichloroethene Dichloroethene <thdichloroethene< th=""> Dichloroethene</thdichloroethene<>

NOTES:

Detections are in bold font.

Detections that exceed MTCA Method B screening levels are shaded.

J = Result is estimated value.

MTCA = Model Toxics Control Act.

 $\mu g/m^3$ = micrograms per cubic meter.

NA = Helium was not included in analysis for these samples.

PCE = tetrachloroethene.

TCE = trichloroethene.

U = Result is non-detect to method detection limit for 1,2-dichloroethane, TCE, and vinyl chloride results for samples collected in July 2013. Result is non-detect to method reporting limit for all other results.

^aMTCA Method B for Soil Gas from Table B-1 (Ecology, 2009).

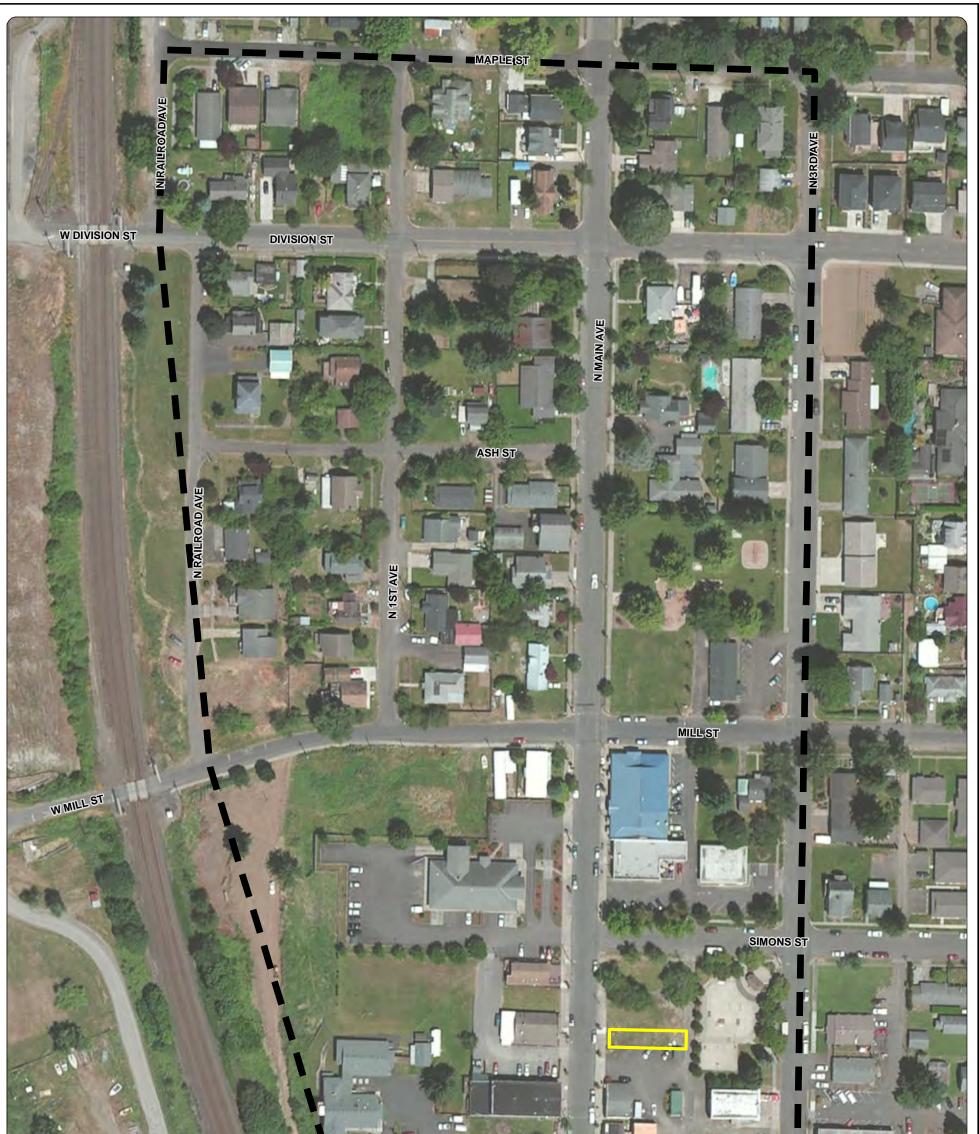
^b Screening level values for PCE and TCE are based on CLARC guidance dated September 2012.

Table 5 Soil Gas Results (µg/m³) Former Park Laundry Ridgefield, Washington

FIGURES







Source: Aerial photograph obtained from Esri ArcGIS Online



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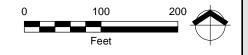
Vapor Intrusion Study Area

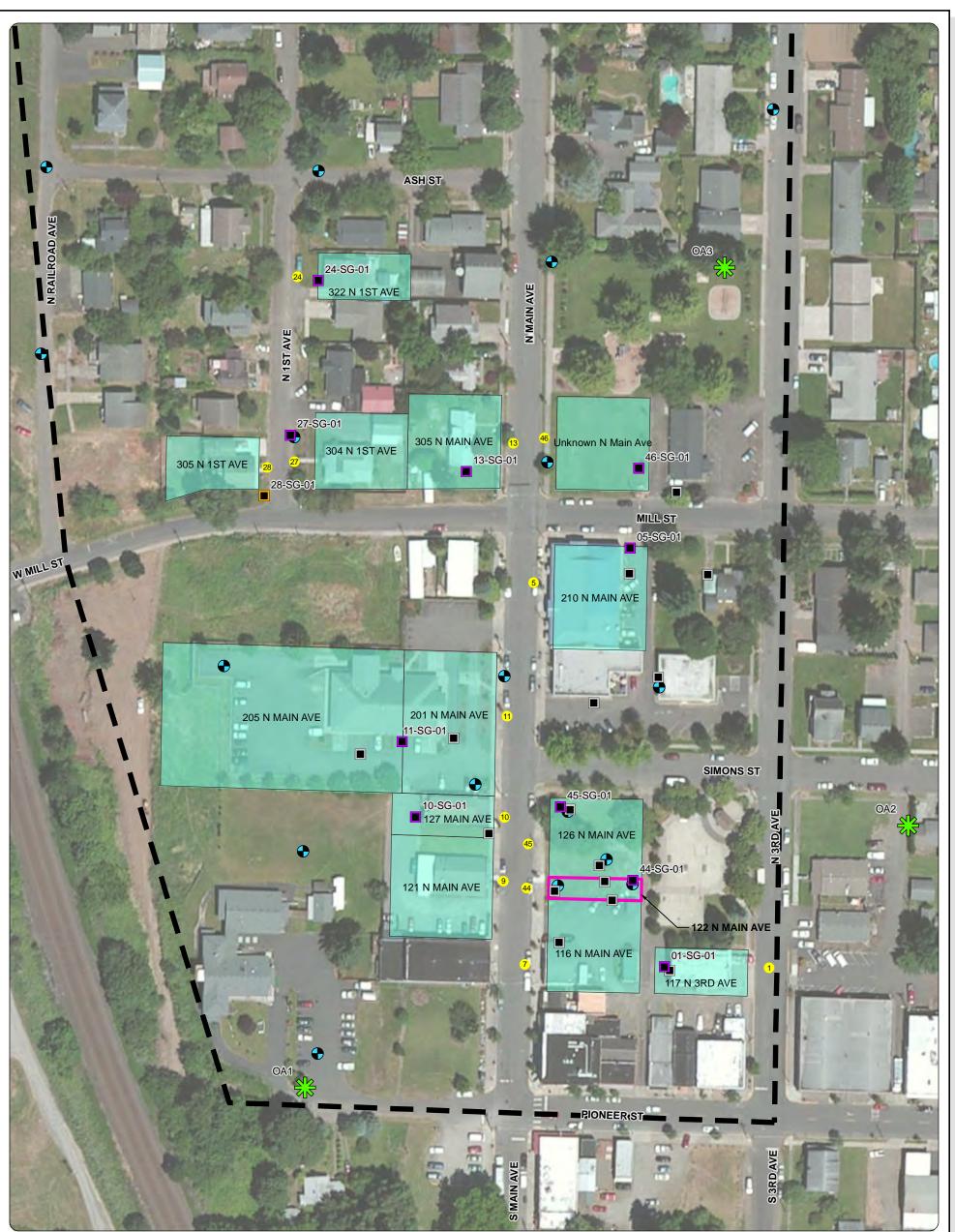
Former Park Laundry Site

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Figure 1 Vapor Intrusion Study Area

Former Park Laundry Ridgefield, Washington





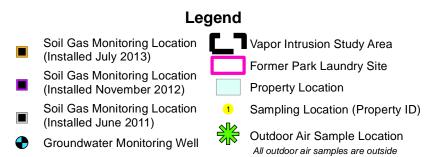
Source: Aerial photograph obtained from ESRI, Inc. ArcGIS Online.

Soil gas ports not sampled in Nov. 2012: 10-SG1-01 28-SG1-01 44-SG1-01

Soil gas ports not sampled in July 2013: 1-SG1-01 10-SG1-01

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of the ground contaminant boundary

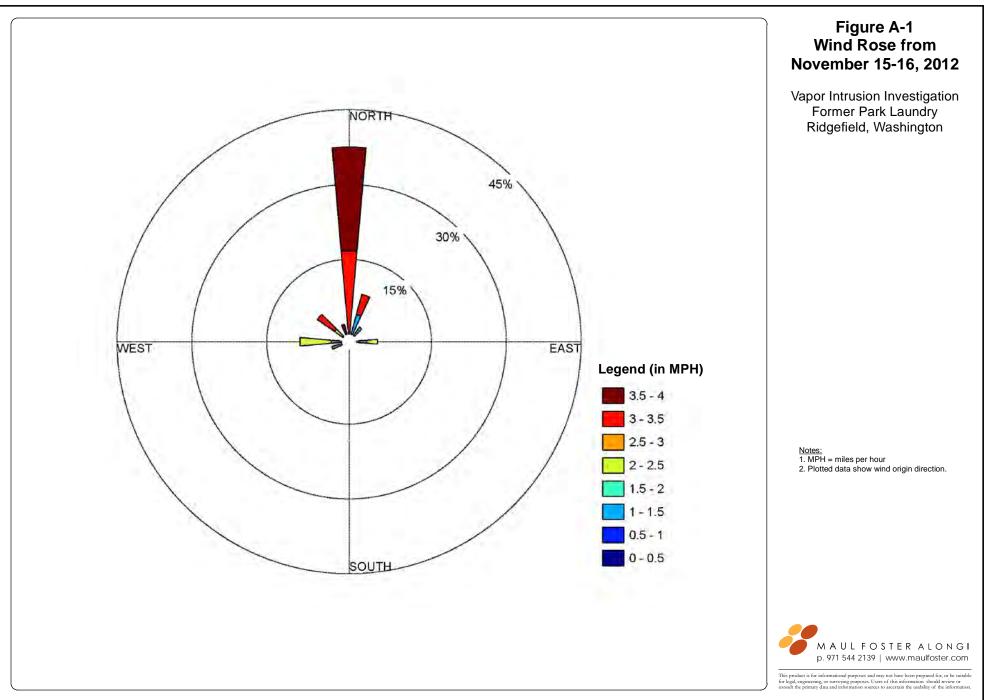
Figure 2 Soil Gas, Outdoor Air, and Groundwater **Sampling Locations**

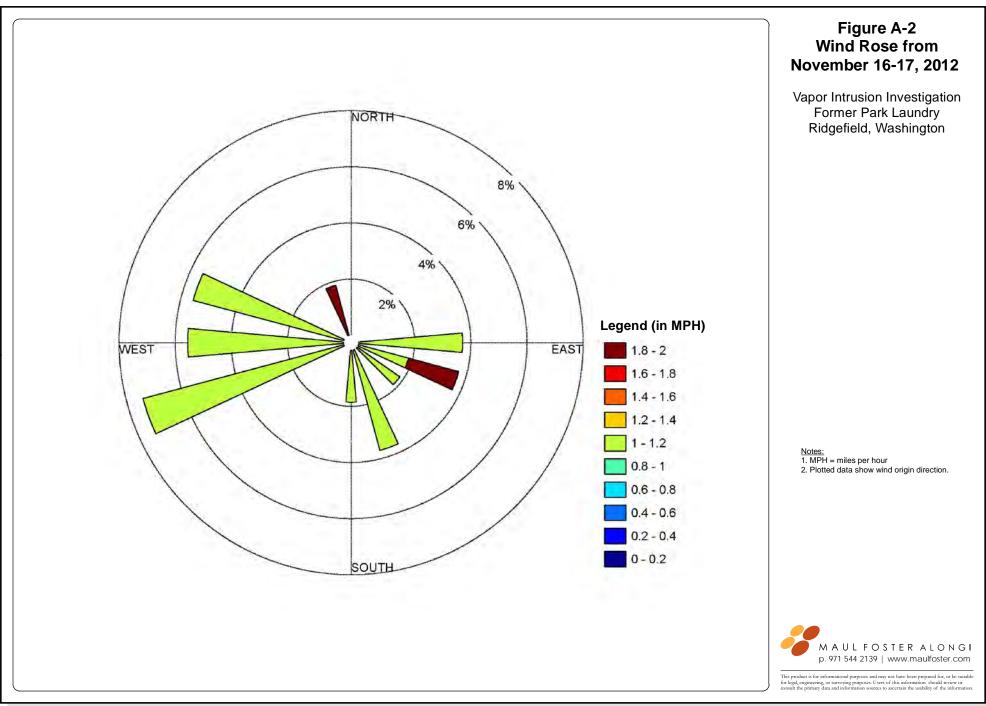
> Former Park Laundry Ridgefield, Washington

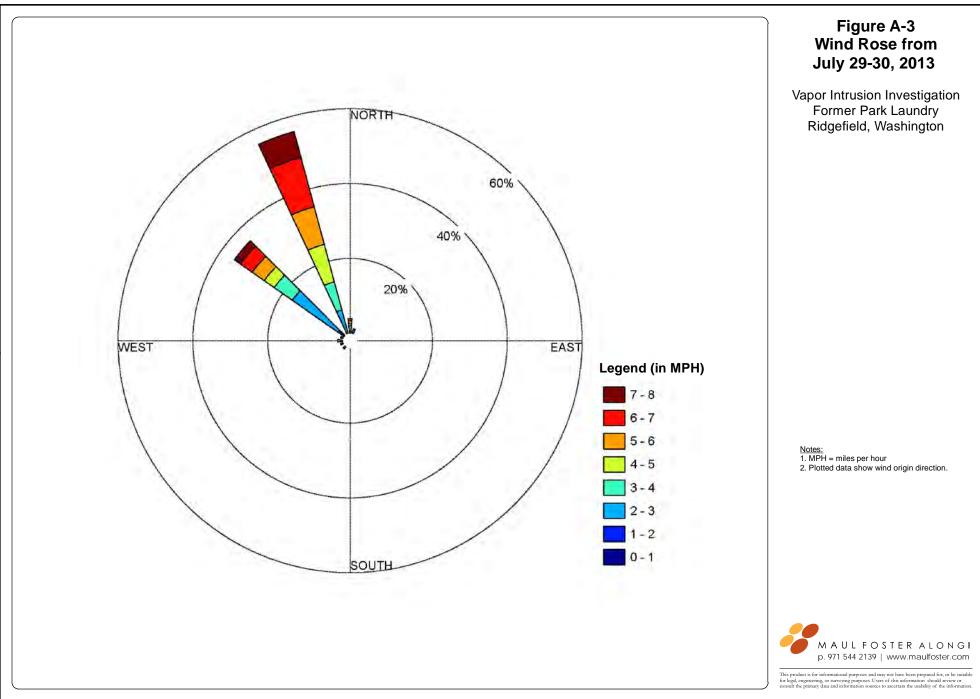












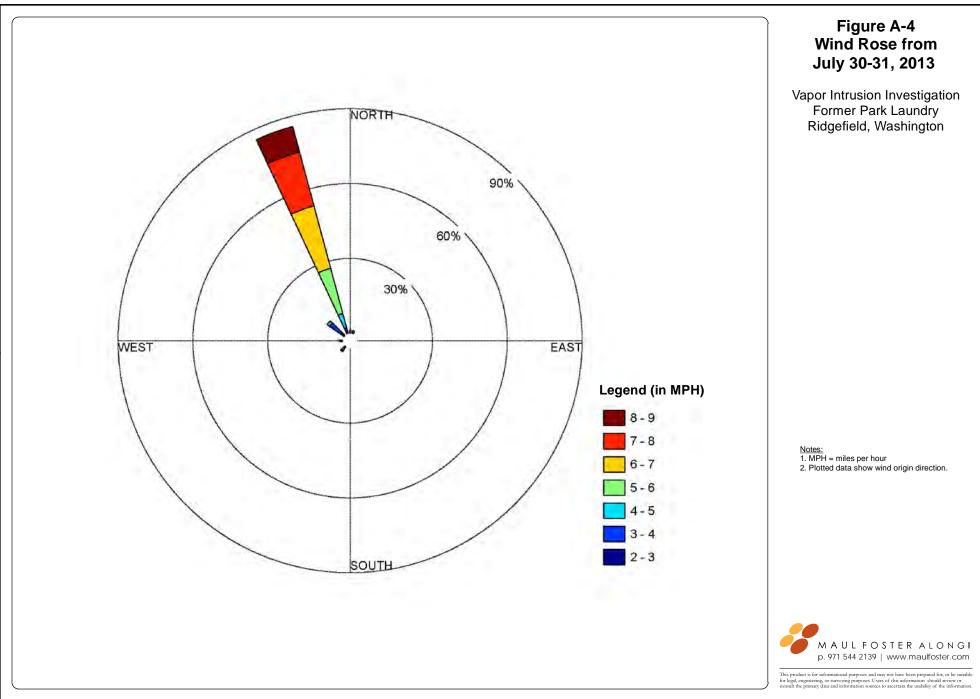






Table B-1 Field Notes—Property Observations and Interview Results—November 2012

				Field Notes	—Property Observations and In	nterview Results—November 2	012			
	Property ID	1	5	7	9	10	11	13	24	27
	Property Address	117 N 3rd Ave—Fire Station	210 N Main Ave—Community Center	116 N Main Ave-Police Department	121 N Main Ave—Sportsman Bar & Grill	127 N Main Ave—Sales Office	201/205 N Main Ave—Post Office	305 N Main Ave	322 N 1st Ave	304 N 1st Ave
Property	Property Contact	Abe Rommel	Sean McGill	Carrie Greene	Terry Hurd	Catrina Johnson	Bob Welch	Shawna	Jason Laycoe	Patrick Campbell
riopony	Type of Occupancy	Residential	Commercial	Commercial	Commercial	Office	Office	Residential	Residential	Residential
	Year Constructed	1940s	Unknown	Building in 2000, but slab in 1970s	1929	Unknown	Unknown	Unknown	1921	Original 1910, added in 1930s and 1940s, remodeled early 2000.
	Building Sq. Footage (Approx.)	2500	8250	1500	2000	1575	8250	1700	940	1400
	Date/Time Bill Beadie	11/12/12 10:17 AM Yes	11/13/2012 Yes	11/13/12 9:15 AM Yes	11/12/12 8:30 AM Yes	11/13/12 2:29 PM Yes	11/13/2012 Yes	11/14/12 10:00 AM Yes	11/12/12 1:31 PM Yes	11/13/12 1:09 PM Yes
Survey	Thomas Ashton	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Mike Murray	Yes	No	Yes	No	No	Yes	Yes	No	Yes
	Andy Vidourek Occupancy	Yes 2 to 4	No Average 40	Yes 3 to 4	No 200 when crowded, average of 60	No 3	Yes 14	No One adult, four children	No Two adults, one child (13-18)	No One adult. one child (13-18)
	Foundation Type	Slab-on-grade	Slab-on-grade	Slab-on-grade	Full crawlspace	Full crawlspace	Slab-on-grade	Slab-on-grade	Partial basement and partial	Full crawlspace
			Sido on gidde	Jabongiade	i di clawispace	-	sidb-oingidde	Floating floor above slab in most of	crawlspace	rui clawispace
	Foundation Notes	Some cracks visible in the slab. See photos.	None	None	None	Full crawlspace with vapor barrier on soil	None	living space.	Basement; crawlspace in areas that don't have a basement.	Full crawlspace
	Number of Occupied Floors	0	0	0	0	0	0	0	1	0
	BELOW Grade Occupied Floors BELOW									
	Grade—Notes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Unfinished basement	N/A
	Number of Occupied Floors ABOVE Grade	2	1	1	1	1	1	2	1	1
	Occupied Floors ABOVE	The main floor is primarily the garage	Neee	Nees	Nees	Neee	None	No.	N====	N = = =
	Grade-Notes	and gym. The upper floor includes the living, eating, and sleeping areas.	None	None	None	None	None	None	None	None
	Depth of Basement Below Grade	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7-8 ft	N/A
	(ft) Basement Size (sq ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	300	N/A
	Basement Floor Construction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Concrete	N/A
	Basement Floor Notes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No obvious cracks or drains. Concrete slab over former exposed dirt,	N/A
									according to interviews.	
	Foundation Walls	N/A	N/A	N/A	Concrete	Concrete	N/A	N/A	Concrete	Concrete, cinder blocks Combination of cmu and concrete. Will
	Foundation Walls Notes	N/A	N/A	N/A	None	None	N/A	N/A	No obvious cracks. One penetration.	confirm.
Occupant Info	Type of Heating System	Forced-air furnace	Forced-air furnace	Forced-air furnace	Forced-air furnace	Forced-air furnace	Forced-air furnace	Forced-air furnace	Baseboard electric	Other
		Forced-air furnace supplies the upstairs			Furnace is in the attic and a heat pump					Equivalent of a window heating and cooling unit, but installed through the
	Heating System Notes	area. A ceiling-mounted electric heater supplies the downstairs area.	None	None	is outside	None	None	None	None	wall. One in the living room, one in
										kitchen. Five cadet wall heaters.
	Type of Heating Fuel	Natural gas, electric	Natural gas	Natural gas	Natural gas	Natural gas	Natural gas	Natural gas	Electric	Electric
	Heating Fuel Notes	None Bathroom fan, kitchen range hood fan,	None Bathroom fan, kitchen range hood fan,	None Bathroom fan, kitchen range hood fan,	None Bathroom fan, central furnace, attic	None Bathroom fan, kitchen range hood fan,	None	None Bathroom fan, kitchen range hood fan,	None	None Bathroom fans, kitchen range hood
	Ventilation System(s)	central furnace	central furnace	central furnace	exhaust fan, kitchen range hood fan	central furnace, attic exhaust fan	Bathroom fan, central furnace	central furnace	Kitchen range hood fan	fan(s)
		There is an automatic exhaust fan that activates anytime the overhead doors								
	Ventilation System Notes	are open for 10 or 15 minutes to prevent	None	Fan in the interview room	None	None	None	None	None	Unknown whether there is an attic fan.
		carbon monoxide buildup. Unknown CFM.								
	Basement Sump?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	N/A
	Sump Pump?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Water in Sump? Basement Sealed?	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A Neither walls nor floor sealed	N/A N/A
	Existing Radon System in Place?	No	No	No	No	No	No	No	No	No
	Existing Radon System in Place?		NO	Unknown–Probably no vapor barrier,			NO	NO	NO	NO
	Subslab Vapor Barrier in Place?	No	Unknown	based on the age of slab.	N/A	NA	Unknown	Unknown	Unknown	Unknown
	Location of Floor Drains?	None	Unknown	None	Two locations: 1) under the bar, and 2)	None	Four total—one in each of two bathrooms, one in the custodian room,	None	Unknown	Unknown
	Location of floor brains:	None	UNKIOWI	None	in the kitchen	None	one in the electrical room	None	UTKHOWI	UTKIOWI
	Location 1	NW area—water line	None. Just bathroom toilet penetrations.	None. Just bathroom toilet penetrations.	Gas comes in above grade in SE corner.	Natural gas line comes through floor in furnace room behind lobby.	Electrical room	No penetrations noted	Water line in basement	Unknown
Location of Utility Penetrations?	Location 2	No other penetrations noted	No penetrations noted	No penetrations noted	No penetrations noted	Floor-mounted heat registers	Custodian room drains	No penetrations noted	No other penetrations noted	Unknown
	Location 3	No other penetrations noted	No penetrations noted	No penetrations noted	No penetrations noted	Drains for bathrooms and sink	No other penetrations noted	No penetrations noted	No other penetrations noted	Unknown
	Gasoline Storage Cans Gas-powered Equipment	Yes Yes	No	No	No	No	No	Unknown Unknown	No	No
Potential Indoor Sources-Source	Paints/Thinners/Strippers	Yes	Unknown	No	Outside in the shed	No	No	Unknown	No	No
Materials	Cleaning Solvents	Yes	Yes	Yes	Yes	Yes	Yes	Unknown Unknown	Yes	Yes
	Oven Cleaners Insecticides	Yes Yes	Unknown Unknown	No	Yes No	No	No	Unknown Unknown	No	No
	Do any occupants smoke?	No	No	No	No	No	No	Unknown	Yes	No
	Notes (last time occupants smoked)	N/A	N/A	N/A	N/A	N/A	N/A	Unknown	Smokes only outside	N/A
	Does the building have an	Yes	No	No	No	No	No	Yes	No	No
	attached garage?	I	1	i					-	-
	Notes (is the car typically in the									
	Notes (is the car typically in the garage?)	Yes	N/A	N/A	N/A	N/A	N/A	No	N/A	N/A
	garage?) Do the occupants have items in	Yes Yes	N/A No	N/A No	N/A No	N/A No	N/A No	No Unknown	N/A No	N/A No
	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often?									
	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often? Last time something was dry-	Yes	No	No	No	No	No	Unknown	No	No
	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often? Last time something was dry- cleaned? Do occupants use solvents at	Yes Weekly Week ago	No N/A N/A	No N/A N/A	No N/A N/A	No N/A N/A	No N/A N/A	Unknown Unknown Unknown	No N/A N/A	No N/A N/A
	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often? Last time something was dry- cleaned? Do occupants use solvents at work?	Yes Weekly Week ago No	No N/A N/A Unknown	No N/A N/A No	No N/A N/A No	No N/A N/A No	No N/A N/A No	Unknown Unknown	No N/A N/A No	No N/A N/A No
	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often? Last time something was dry- cleaned? Do occupants use solvents at	Yes Weekly Week ago	No N/A N/A	No N/A N/A	No N/A N/A	No N/A N/A	No N/A N/A	Unknown Unknown Unknown	No N/A N/A	No N/A N/A
Occupant/	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are	Yes Weekly Week ago No	No N/A N/A Unknown	No N/A N/A No	No N/A N/A No	No N/A N/A No	No N/A N/A No	Unknown Unknown Unknown Unknown	No N/A N/A No	No N/A N/A No
Occupant/ Building Details	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, are clothes washed at work?	Yes Weekly Week ago No N/A	No N/A N/A Unknown N/A	No N/A N/A No N/A	No N/A N/A No N/A	No N/A N/A No N/A	No N/A N/A No N/A	Unknown Unknown Unknown Unknown Unknown	No N/A N/A No N/A	No N/A N/A No N/A
Occupant/ Building Details	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—If so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, are clothes washed at work? Have any pesticides or herbicides been applied around the building	Yes Weekly Week ago No N/A	No N/A N/A Unknown N/A	No N/A N/A No N/A	No N/A N/A No N/A	No N/A N/A No N/A N/A Presumed yes. Applied by outside	No N/A N/A No N/A N/A Outside landscapers applied something	Unknown Unknown Unknown Unknown Unknown	No N/A N/A No N/A	No N/A N/A No N/A
Occupant/ Building Details	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, are clothes washed at work? Have any pesticides or herbicides been applied around the building or in the yard?	Yes Weekly Week ago No N/A N/A	No N/A N/A Unknown N/A N/A	No N/A N/A No N/A N/A	No N/A N/A No N/A N/A	No N/A N/A No N/A N/A	No N/A N/A No N/A N/A	Unknown Unknown Unknown Unknown Unknown Unknown	No N/A N/A No N/A N/A	No N/A N/A No N/A N/A Yes
Occupant/ Building Details	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, are clothes washed at work? Have any pesticides or herbicides been applied around the building or in the yard? If so, what type? Frequency? Date	Yes Weekly Week ago No N/A N/A	No N/A N/A Unknown N/A N/A	No N/A N/A No N/A N/A	No N/A N/A No N/A N/A	No N/A N/A No N/A N/A Presumed yes. Applied by outside	No N/A N/A No N/A N/A Outside landscapers applied something	Unknown Unknown Unknown Unknown Unknown Unknown	No N/A N/A No N/A N/A	No N/A N/A No N/A N/A Yes Green eco-friendly applied outside for
Occupant/ Building Details	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, are clothes washed at work? Have any pesticides or herbicides been applied around the building or in the yard? If so, what type? Frequency? Date of application? Has there been a fire in the	Yes Weekly Week ago No N/A N/A Unknown Unknown	No N/A N/A Unknown N/A N/A Unknown Unknown	No N/A N/A No N/A N/A N/A No	No N/A N/A No N/A N/A N/A N/A N/A	No N/A N/A No N/A N/A Presumed yes. Applied by outside landscape contractors. Unknown	No N/A N/A N/A N/A Outside landscapers applied something in July or August. Rootsall weed killer. Unknown	Unknown Unknown Unknown Unknown Unknown Unknown Unknown	No N/A N/A N/A N/A N/A N/A	No N/A N/A No N/A N/A Yes Green eco-friendly applied outside for spiders in the summertime.
Occupant/ Building Details	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, are clothes washed at work? Have any pesticides or herbicides been applied around the building or in the yard? If so, what type? Frequency? Date of application? Has there been a fire in the building?	Yes Weekly Week ago No N/A N/A Unknown Unknown No	No N/A N/A Unknown N/A N/A Unknown Unknown No	No N/A N/A No N/A N/A N/A No N/A No	No N/A N/A No N/A N/A N/A No Yes	No N/A N/A N/A No N/A N/A Presumed yes. Applied by outside landscape contractors. Unknown No	No N/A N/A N/A N/A Outside landscapers applied something in July or August. Rootsall weed killer. Unknown No	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	No N/A N/A N/A N/A N/A N/A N/A N/A No N/A No No N/A No	No N/A N/A N/A No N/A N/A Yes Green eco-friendly applied outside for spiders in the summertime. No
Occupant/ Building Details	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, are clothes washed at work? Have any pesticides or herbicides been applied around the building or in the yard? If so, what type? Frequency? Date of application? Has there been a fire in the building? Fire: Notes Painting or staining in the last six	Yes Weekly Week ago No N/A N/A Unknown Unknown Unknown No	No N/A N/A Unknown N/A N/A Unknown Unknown No N/A	No N/A N/A N/A N/A N/A N/A No N/A No N/A N/A	No N/A N/A No N/A N/A No N/A Yes Approx. 20 years ago	No N/A N/A N/A No N/A N/A Presumed yes. Applied by outside landscape contractors. Unknown No N/A N/A	No N/A N/A N/A N/A Outside landscapers applied something in July or August. Rootsall weed killer. Unknown No No	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown N/A	No N/A N/A No N/A N/A N/A No N/A No N/A No N/A N/A	No N/A N/A N/A No N/A N/A Yes Green eco-friendly applied outside for spiders in the summertime. No N/A N/A
Occupant/ Building Details	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, are clothes washed at work? Have any pesticides or herbicides been applied around the building or in the yard? If so, what type? Frequency? Date of application? Has there been a fire in the building? Fire: Notes Painting or staining in the last six months?	Yes Weekly Week ago No N/A N/A Unknown Unknown Unknown No No N/A No	No N/A N/A Unknown N/A N/A Unknown Unknown No N/A Unknown	No N/A N/A No N/A N/A N/A No N/A No	No N/A N/A No N/A N/A No N/A Yes Approx. 20 years ago No	No N/A N/A N/A N/A N/A N/A Presumed yes. Applied by outside landscape contractors. Unknown No N/A No No N/A No N/A No	No N/A N/A N/A N/A N/A Outside landscapers applied something in July or August. Rootsall weed killer. Unknown No No N/A No	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown N/A Unknown	No N/A N/A N/A N/A N/A N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A No N/A No N/A No	No N/A N/A N/A N/A N/A N/A Yes Green eco-friendly applied outside for spiders in the summertime. No N/A N/A No
Occupant/ Building Details	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, are clothes washed at work? Have any pesticides or herbicides been applied around the building or in the yard? If so, what type? Frequency? Date of application? Has there been a fire in the building? Fire: Notes Painting or staining in the last six	Yes Weekly Week ago No N/A N/A Unknown Unknown Unknown No	No N/A N/A Unknown N/A N/A Unknown Unknown No N/A	No N/A N/A No N/A N/A N/A No N/A No	No N/A N/A No N/A N/A No N/A Yes Approx. 20 years ago	No N/A N/A N/A No N/A N/A Presumed yes. Applied by outside landscape contractors. Unknown No N/A N/A	No N/A N/A N/A No N/A Outside landscapers applied something in July or August. Rootsall weed killer. Unknown No N/A No N/A NO N/A NVA NVA NVA NVA NVA NVA NVA NVA NVA NV	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown N/A	No N/A N/A No N/A N/A N/A No N/A No N/A No N/A N/A	No N/A N/A No N/A N/A N/A Yes Green eco-friendly applied outside for spiders in the summertime. No N/A
Occupant/ Building Details	garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—if so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, are clothes washed at work? Have any pesticides or herbicides been applied around the building or in the yard? If so, what type? Frequency? Date of application? Has there been a fire in the building? Fire: Notes Painting or staining in the last six months? Painting/Staining Notes	Yes Weekly Week ago No N/A N/A Unknown Unknown Unknown No N/A No N/A	No N/A N/A Unknown N/A N/A Unknown Unknown No N/A Unknown	No N/A N/A No N/A N/A N/A No N/A No N/A N/A	No N/A N/A No N/A N/A No N/A Yes Approx. 20 years ago No	No N/A N/A No N/A N/A Presumed yes. Applied by outside landscape contractors. Unknown No N/A No N/A No N/A No N/A No	No N/A N/A N/A No N/A Outside landscapers applied something in July or August. Rootsall weed killer. Unknown No N/A No N/A N/A No N/A	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown N/A N/A	No N/A N/A No N/A N/A N/A No N/A No N/A N/A	No N/A N/A N/A No N/A N/A Yes Green eco-friendly applied outside for spiders in the summertime. No N/A N/A N/A N/A N/A N/A N/A

 Table B-2

 Field Notes—Property Observations and Interview Results—July 2013

					Field Notes—Property C	Observations and Interview Re	sults—July 2013				
	Property ID	1	5	7	9	10	11	13	24	27	28
	Property Address	117 N 3rd Ave—Fire Station	210 N Main Ave—Community Center	116 N Main Ave-Police Department	121 N Main Ave—Sportsman Bar & Grill	127 N Main Ave—Sales Office	201/205 N Main Ave—Post Office	305 N Main Ave	322 N 1st Ave	304 N 1st Ave	305 N 1st Ave
Property	Property Contact	Abe Rommel Residential	Sean McGill Commercial	Carrie Greene Commercial	Terry Hurd Commercial	Catrina Johnson Office	Bob Welch Office	Shauna Baker Residential	Jason Laycoe Residential	Maureen Kerwood Residential	Diane Geister Residential
	Type of Occupancy Year Constructed	1940s	Unknown	Building in 2000, but slab in 1970s	1929	Unknown	Unknown	Unknown	1921	Original 1910, added in 1930s and 1940s,	Unknown
	Building Sq. Footage (Approx.)	2500	8250	1500	2000	1575	8250	1700	940	remodeled early 2000.	Unknown
	Date/Time	7/29/2013	7/29/13 9:45 AM	7/29/13 9:59 AM	7/30/13 9:18 AM	7/29/13	7/29/13 1:43 PM	7/30/13 1:32 PM	940 N/A	7/30/13 10:32 AM	7/30/13 11:17 AM
C	Bill Beadie	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes
Survey	Thomas Ashton Mike Murray	Yes Yes	Yes Yes	Yes Yes	Yes No	Yes No	Yes No	Yes	N/A N/A	Yes No	Yes No
	Andy Vidourek	Yes	Yes	Yes	No	No	No	No	N/A	No	No
	Occupancy	2 to 4	Variable Occupancy	3 to 4	200 when crowded, average of 60	3	13	One adult, four children	Two adults, one child (13-18) Partial basement and partial	Two adults, one child (13-18)	Two adults, one child (13-18)
	Foundation Type	Slab-on-grade	Slab-on-grade	Slab-on-grade	Full crawlspace	Full crawlspace	Slab-on-grade	Slab-on-grade	crawlspace	Full crawlspace	Full basement
	Foundation Notes	Some cracks visible in the slab. See photos.	None	None	None	Full crawlspace with vapor barrier on soil	None	Floating floor above slab in most of living space.	Basement; crawlspace in areas that don't have a basement.	Full crawlspace	Cracks in basement floor and foundation walls noted
	Number of Occupied Floors	0	0	0	0	0	0	0	dont have a basement.	0	1
	BELOW Grade Occupied Floors BELOW								'		
	Grade-Notes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Unfinished basement	N/A	Basement
	Number of Occupied Floors ABOVE Grade	2	1	1	1	1	1	2	1	1	2
	Occupied Floors ABOVE	The main floor is primarily the garage									
	Grade—Notes	and gym. The upper floor includes the living, eating, and sleeping areas.	None	None	None	None	None	None	None	None	None
	Depth of Basement Below Grade	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7-8 ft	N/A	8 ft
	(ft) Basement Size (sq ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	300	N/A	N/A
	Basement Floor Construction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Concrete	N/A	Concrete
	Basement Floor Notes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No obvious cracks or drains. Concrete slab over former exposed dirt,	N/A	Cracks in floor
									according to interviews.		
	Foundation Walls	N/A	N/A	N/A	Concrete	Concrete	N/A	N/A	Concrete	Concrete, cinder blocks Combination of cmu and concrete. Will	Cinder block and concrete
	Foundation Walls Notes	N/A	N/A	N/A	None	None	N/A	N/A	No obvious cracks. One penetration.	confirm.	N/A
Occupant Info	Type of Heating System	Forced-air furnace	Forced-air furnace	Forced-air furnace	Ductless heat pump system	Forced-air furnace	Forced-air furnace	Forced-air furnace	Baseboard electric	Other	Forced-air furnace
	Heather Costern Nation	Forced-air furnace supplies the upstairs	Nees	Nees	Ductless heat pump system installed	Nees	News	Nees	Need	Equivalent of a window heating and cooling unit, but installed through the	Nees
	Heating System Notes	area. A ceiling-mounted electric heater supplies the downstairs area.	None	None	since last year. It replaced the furnace.	None	None	None	None	wall. One in the living room, one in	None
									5	kitchen. Five cadet wall heaters.	
	Type of Heating Fuel Heating Fuel Notes	Natural gas, electric None	Natural gas None	Natural gas None	Natural gas None	Natural gas None	Natural gas None	Natural gas None	Electric None	None	Natural Gas None
	Ventilation System(s)	Bathroom fan, kitchen range hood fan,	Bathroom fan, kitchen range hood fan,	Bathroom fan, kitchen range hood fan,	Bathroom fan, central furnace, attic	Bathroom fan, kitchen range hood fan,	Bathroom fan, central furnace	Bathroom fan, kitchen range hood fan,	Kitchen range hood fan	Bathroom fans, kitchen range hood	Bathroom fan(s), kitchen range hood
		central furnace There is an automatic exhaust fan that	central furnace	central furnace	exhaust fan, kitchen range hood fan	central furnace, attic exhaust fan		central furnace	interioritarige rised fait	fan(s)	fan(s)
		activates anytime the overhead doors									
	Ventilation System Notes	are open for 10 or 15 minutes to prevent carbon monoxide buildup. Unknown	None	Fan in the interview room	None	None	None	None	None	Unknown whether there is an attic fan.	None
		CFM.									
	Basement Sump? Sump Pump?	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	No N/A	N/A N/A	N/A N/A
	Water in Sump?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Basement Sealed?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Neither walls nor floor sealed	N/A	Neither walls nor floor sealed
	Existing Radon System in Place?	No	No	No	No	No	No	No	No	No	No
							110	110			
	Subslab Vapor Barrier in Place?	No	Unknown	Unknown-Probably no vapor barrier,	N/A	NA	Unknown	Unknown	Unknown	Unknown	Unknown
	Subslab Vapor Barrier in Place?	No	Unknown		N/A					Unknown	
	Subslab Vapor Barrier in Place?	No	Unknown Unknown	Unknown-Probably no vapor barrier,			Unknown Four total—one in each of two bathrooms, one in the custodian room,			Unknown Unknown	
	Location of Floor Drains?	None	Unknown	Unknown–Probably no vapor barrier, based on the age of slab None	N/A Two locations: 1) under the bar, and 2) in the kitchen	NA None Natural gas line comes through floor in	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room	Unknown None	Unknown Unknown	Unknown	Unknown Unknown
Location of Utility Penetrations?	Location of Floor Drains?	None NW area—water line	Unknown None. Just bathroom tollet penetrations	Unknown–Probably no vapor barrier, based on the age of slab None	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE corner.	NA None Natural gas line comes through floor in funace room behind lobby.	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room	Unknown None No penetrations noted	Unknown Unknown Water line in basement	Unknown Unknown	Unknown Unknown No penetrations noted
Location of Utility Penetrations?	Location of Floor Drains?	None	Unknown	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom tollet penetrations	N/A Two locations: 1) under the bar, and 2) in the kitchen	NA None Natural gas line comes through floor in	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room	Unknown None	Unknown Unknown	Unknown	Unknown Unknown
	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans	None NW area—water line No other penetrations noted No other penetrations noted Yes	Unknown None: Just bathroom toilet penetrations No penetrations noted No penetrations noted No	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom toilet penetrations No penetrations noted No penetrations noted No	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE corner. No penetrations noted No penetrations noted No	NA None Natural gas line comes through floor in funace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room Custodian room drains No other penetrations noted No	Unknown None No penetrations noted No penetrations noted Unknown	Unknown Unknown Water line in basement No other penetrations noted No other penetrations noted No	Unknown Unknown Unknown Unknown No	Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes
Penetrations? Potential Indoor	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Painter/Unipment	None NW area—water line No other penetrations noted No other penetrations noted	Unknown None. Just bathroom toliet penetrations No penetrations noted No penetrations noted No No	Unknown—Probably no vapor barrier, based on the age of slab None None. Just bathroom tollet penetrations No penetrations noted No penetrations noted	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE corner. No penetrations noted No penetrations noted No	NA None Natural gas line comes through floor in funace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room Custodian room drains No other penetrations noted	Unknown None No penetrations noted No penetrations noted No penetrations noted Unknown Unknown	Unknown Unknown Water line in basement No other penetrations noted No other penetrations noted	Unknown Unknown Unknown Unknown Unknown	Unknown Unknown No penetrations noted No penetrations noted No penetrations noted
Penetrations?	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinner/Strippers Cleaning Solvents	None NW area—water line No other penetrations noted No other penetrations noted Yes Yes Yes Yes Yes	Unknown None. Just bathroom tollet penetrations No penetrations noted No No Unknown Yes	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom tollet penetrations No penetrations noted No penetrations noted No No No Yes	N/A Iwo locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE comer. No penetrations noted No No Outside in the shed Yes	NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No No No Yes	Unknown Four total—one in each of two battrooms, one in the custodian room, one in the electrical room Electrical room Custodian room drains No other penetrations noted No No Yes Yes Yes	Unknown None No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown	Unknown Unknown Water line in basement No other penetrations noted No other penetrations noted No No No No Yes	Unknown Unknown Unknown Unknown No No No No No	Unknown Unknown No penetrations noted No penetrations noted Yes Yes Yes Yes Yes
Penetrations? Potential Indoor Sources-Source	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinnes/Strippers Cleaning Solvents Oven Cleaners	None NW area—water line No other penetrations noted Yes Yes Yes Yes Yes Yes Yes	Unknown None. Just bathroom tollet penetrations No penetrations noted No No No Unknown Yes Unknown	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom tollet penetrations No penetrations noted No penetrations noted No No No No No No No No No	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE corner. No penetrations noted No penetrations noted No Outside in the shed Yes Yes	NA None Natural gas line comes through floor in funace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No No No Yes No	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room Custodian room drains No other penetrations noted No No Yes Yes No	Unknown None No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown Unknown Unknown Unknown	Unknown Unknown Water line in basement No other penetrations noted No other penetrations noted No No No Yes No	Unknown Unknown Unknown Unknown No No No No No Yes	Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes No
Penetrations? Potential Indoor Sources-Source	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Insecticides	None NW area—water line No other penetrations noted No other penetrations noted Yes Yes Yes Yes Yes	Unknown None. Just bathroom tollet penetrations No penetrations noted No No Unknown Yes	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom tollet penetrations No penetrations noted No penetrations noted No No No Yes	N/A Iwo locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE comer. No penetrations noted No No Outside in the shed Yes	NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No No No Yes	Unknown Four total—one in each of two battrooms, one in the custodian room, one in the electrical room Electrical room Custodian room drains No other penetrations noted No No Yes Yes Yes	Unknown None No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown	Unknown Unknown Water line in basement No other penetrations noted No other penetrations noted No No No No Yes	Unknown Unknown Unknown Unknown No No No No No	Unknown Unknown No penetrations noted No penetrations noted Yes Yes Yes Yes Yes
Penetrations? Potential Indoor Sources-Source	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinnes/Strippers Cleaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (tast time occupants	None NW area—water line No other penetrations noted Yes Yes Yes Yes Yes Yes Yes Yes Yes	Unknown None. Just bathroom tollet penetrations No penetrations noted No No Unknown Yes Unknown Unknown Unknown	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom toilet penetrations No penetrations noted No No No Yes No No No No	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE corner. No penetrations noted No penetrations noted No Outside in the shed Yes Yes No	NA None Natural gas line comes through floor in funace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No No No Yes No No No No No	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room Custodian room drains No other penetrations noted No No Yes Yes No	Unknown None No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown Unknown Unknown Unknown	Unknown Unknown Water line in basement No other penetrations noted No other penetrations noted No No No Yes No No No No	Unknown Unknown Unknown Unknown No No No No Yes No Yes No	Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes No No No
Penetrations? Potential Indoor Sources-Source	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Insecticides Do any occupants smoke?	None NW area—water line No other penetrations noted No other penetrations noted Yes Yes Yes Yes Yes Yes No No N/A	Unknown None. Just bathroom tollet penetrations No penetrations noted No No Unknown Yes Unknown Unknown No No N/A	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom toilet penetrations No penetrations noted No penetrations noted No No No Yes No No No No No No	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE comer. No penetrations noted No No Outside in the shed Yes Yes No No No No No No No No No No	NA None Natural gas line comes through floor in funace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink. No No No Yes No No No No No No No	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room drains No other penetrations noted No Yes Yes No	Unknown None No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	Unknown Unknown Water line in basement No other penetrations noted No No No Yes No No Yes No Yes Smokes only outside	Unknown Unknown Unknown Unknown No No No Yes No No No No No No	Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes No No Yes Within 24 hours
Penetrations? Potential Indoor Sources-Source	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (last time occupants smoked) Does the building have an attached garage?	None NW area—water line No other penetrations noted Yes Yes Yes Yes Yes Yes Yes Yes No No N/A Yes	Unknown None. Just bathroom tollet penetrations No penetrations noted No No Unknown Yes Unknown Unknown Unknown No No N/A No	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom tollet penetrations No penetrations noted No penetrations noted No No Yes No No No No No No No No No No	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE corner. No penetrations noted No penetrations noted No No Outside in the shed Yes Yes No No No No No No No No No No	NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No No No Yes No No No No No No No No No No No No	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the dectrical room Electrical room drains No other penetrations noted No Yes Yes Yes No	Unknown None No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Yes	Unknown Unknown Water line in basement No other penetrations noted No No No Yes No Yes Smokes only outside No	Unknown Unknown Unknown Unknown No No No No Yes No No No No No No No No No No	Unknown Unknown No penetrations noted No penetrations noted Yes Yes Yes Yes No No Yes Within 24 hours No
Penetrations? Potential Indoor Sources-Source	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Disecticides Do any occupants smoke? Notes (last time occupants smoked) Does the building have an	None NW area-water line No other penetrations noted No other penetrations noted Yes Yes Yes Yes Yes Yes No No N/A	Unknown None. Just bathroom tollet penetrations No penetrations noted No No Unknown Yes Unknown Unknown No No N/A	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom toilet penetrations No penetrations noted No penetrations noted No No No Yes No No No No No No	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE comer. No penetrations noted No No Outside in the shed Yes Yes No No No No No No No No No No	NA None Natural gas line comes through floor in funace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink. No No No Yes No No No No No No No	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room drains No other penetrations noted No Yes Yes No	Unknown None No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	Unknown Unknown Water line in basement No other penetrations noted No No No Yes No No Yes No Yes Smokes only outside	Unknown Unknown Unknown Unknown No No No Yes No No No No No No	Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes No No Yes Within 24 hours
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Penetrations? Potential Indoor Sources-Source	Location of Floor Drains? Location 1 Location 2 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (last time occupants smoked) Does the building have an attached garage? Notes (is the car typically in the garage?)	None NW area-water line No other penetrations noted No other penetrations noted Yes Yes Yes Yes Yes No No N/A Yes Yes Yes Yes Yes	Unknown None. Just bathroom toilet penetrations No penetrations noted No No Unknown Unknown Unknown Unknown No N/A No N/A	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom toilet penetrations No penetrations noted No No No Yes No No No No No No No No No	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE corner. No penetrations noted No penetrations noted No Outside in the shed Yes No NA NA	NA None Natural gas line comes through floor in funace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No N/A No N/A	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room Custodian room drains No other penetrations noted No No Yes Yes No No No No No No N/A No N/A No N/A	Unknown No penetrations noted No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown Unknown Unknown Unknown Vnknown Vnknown Vnknown Nn	Unknown Unknown Water line In basement No other penetrations noted No No No No No No Yes No No Yes Smokes only outside No N/A	Unknown Unknown Unknown Unknown No No No Yes No No No No No No N/A	Unknown Unknown No penetrations noted No penetrations noted Yes Yes Yes Yes No No Yes Within 24 hours No No No
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Penetrations? Potential Indoor Sources-Source	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Do any occupants smoke? Notes (last time occupants smoke?) Notes (last time occupants smoke?) Notes (last time occupants smoke?) Does the building have an attached garage? Notes (s the car typically in the garage?) Do the occupants have items in the house diry-cleaned? Dry-clean—If so, how often? Last time something was dry- cleaned?	None NW area—water line No other penetrations noted No other penetrations noted Yes Yes Yes Yes Yes No N/A Yes	Unknown None. Just bathroom tollet penetrations No penetrations noted No No Unknown Yes Unknown Unknown No N/A	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom tollet penetrations No penetrations noted No No No No No No No No No No No No No	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE corner. No penetrations noted No penetrations noted No point in the shed Yes Yes No NA No N/A No N/A N/A N/A	NA None Natural gas line comes through floor in Funace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No NA No NA No N/A No N/A N/A N/A	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room drains No other penetrations noted No No Yes No No No No N/A No N/A No N/A No N/A No N/A N/A	Unknown No penetrations noted No penetrations noted No penetrations noted Unknown	Unknown Unknown Unknown Water line in basement No other penetrations noted No No No No No Yes No No Yes Smokes only outside No N/A N/A N/A N/A	Unknown Unknown Unknown No No No No Yes No No N/A No N/A No N/A System Yes No N/A	Unknown Unknown No penetrations noted No penetrations noted Yes Yes Yes Yes No No No Yes Within 24 hours No No No NA NA NA
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Penetrations? Potential Indoor Sources-Source Materials	Location of Floor Drains? Location 1 Location 2 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (last time occupants smoke?) Does the building have an attached garage? Notes (is the car typically in the garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—If so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, eac tothes washed at work?	None NW area-water line No other penetrations noted Yes Yes Yes Yes Yes No N/A Yes	Unknown None. Just bathroom tollet penetrations No penetrations noted No No Unknown Yes Unknown No N/A N/A N/A N/A N/A N/A N/A N/A	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom toilet penetrations No penetrations noted No penetrations noted No No No No No No No N/A No N/A No N/A No N/A	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE comer. No penetrations noted No penetrations noted No Outside in the shed Yes No No No No No No No No N/A No N/A No N/A No N/A No N/A No N/A	NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink. No N/A	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room drains No other penetrations noted No Yes Yes No No No No No N/A N/A N/A N/A NO N/A N/A NO N/A N/A NO N/A N/A N/A N/A NO N/A N/A N/A N/A NO N/A	Unknown None No penetrations noted No penetrations noted Unknown	Unknown Unknown Unknown Water line in basement No other penetrations noted No No No No No Yes Smokes only outside No N/A No N/A No N/A No N/A No N/A	Unknown Unknown Unknown Unknown No No No No No No No N/A No N/A No N/A Yes 3.4 times per year N/A No N/A	Unknown Unknown Unknown No penetrations noted No penetrations noted Yes Yes Yes Yes Yes No No No No No No No No N/A N/A No N/A N/A Yes Unknown
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Penetrations? Potential Indoor Sources-Source Materials	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (last time occupants smoke?) Does the building have an attached garage? Notes (ast time occupants smoked) Does the building have an attached garage? Notes (is the car typically in the garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—If so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, what types of solvents are used? If so, what type? Frequency? Date of application?	None NUM area—water line No other penetrations noted No other penetrations noted Yes	Unknown None. Just bathroom tollet penetrations No penetrations noted No No No Unknown Yes Unknown No N/A No N/A No N/A No N/A N/A Unknown N/A Unknown Unknown Unknown Unknown Unknown	Unknown—Probably no vapor barrier, based on the age of slab None None. Just bathroom toilet penetrations No penetrations noted No No No No No No No N/A No N/A No N/A No N/A No N/A No N/A No N/A N/A No N/A	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE corner. No penetrations noted No penetrations noted No Outside in the shed Yes No No No No No No No N/A No N/A No N/A No N/A	NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No No No No No No No No N/A No N/A N/A N/A N/A N/A N/A N/A N/A Presumed yes. Applied by outside landscape contractors. Unknown	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the dectrical room Electrical room drains Outer penetrations noted No Ves Yes Yes No No No N/A No N/A No N/A No N/A No N/A N/A No N/A No N/A N/A N/A No N/A N/A No N/A N/A N/A No N/A N/A N/A No N/A N/A N/A No N/A N/A N/A N/A No N/A	Unknown No penetrations noted No penetrations noted No penetrations noted Unknown	Unknown Unknown Unknown Water line in basement No other penetrations noted No No No Yes No Yes Smokes only outside No N/A	Unknown Unknown Unknown Unknown No No No Yes No No N/A No N/A Yes 3.4 times per year N/A No N/A Yes 3.4 times per year N/A No N/A Yes S 3.4 times per year	Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes No No No Yes Within 24 hours No N/A N/A N/A N/A Yes Unknown No Yes Unknown
Penetrations? Potential Indoor Sources-Source Materials	Location of Floor Drains? Location 1 Location 2 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (last time occupants smoke?) Does the building have an attached garage? Notes (is the car typically in the garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—If so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, what type? Frequency? Date of application? Has there been a fire in the building?	None NUM area—water line No other penetrations noted No other penetrations noted Yes Yes Yes Yes Yes No N/A Yes Yes Yes Yes Yes Yes Yes No N/A Yes No N/A Yes Ukeekago No N/A	Unknown None. Just bathroom tollet penetrations No penetrations noted No penetrations noted No No Unknown Unknown Unknown NO N/A NO N/A NO N/A N/A N/A Unknown N/A Unknown Unknown N/A N/A Unknown N/A	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom toilet penetrations No penetrations noted No No No No No No No N/A No N/A No N/A No N/A No N/A No N/A No N/A N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE comer. No penetrations noted No penetrations noted No Outside in the shed Yes No No No No No No No NA No N/A No N/A No N/A	NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No No No No No No No No No N/A No N/A N/A No N/A	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room drains Custodian room drains No other penetrations noted No Yes Yes Yes No No N/A No N/A No N/A No N/A N/A No N/A N/A No N/A	Unknown None No penetrations noted No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown Unknown Unknown Unknown Ves No Unknown	Unknown Unknown Unknown Water line in basement No other penetrations noted No No No Yes No No Yes Smokes only outside N/A	Unknown Unknown Unknown Unknown No No No Yes No No N/A No N/A Yes 3.4 times per year N/A No N/A Yes 3.4 times per year N/A No N/A No N/A No N/A No	Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes No No No No No N/A N/A N/A N/A N/A N/A Yes Unknown No Yes Unknown
Penetrations? Potential Indoor Sources-Source Materials	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (last time occupants smoke?) Does the building have an attached garage? Notes (is the car typically in the garage?) Do the occupants have items in the house dry-cleaned? Dry-clean-if so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, what type? Frequency? Date of application? Have here been a fire in the building? Fire: Notes	None NW area-water line No other penetrations noted No other penetrations noted Yes Yes Yes Yes No N/A Yes Yes Yes Yes Yes Yes Yes Ves Ves Ves No N/A Ves Unknown Unknown N/A	Unknown None. Just bathroom tollet penetrations No penetrations noted No penetrations noted No No Unknown Unknown Unknown No N/A No N/A N/A N/A N/A Unknown N/A Unknown Unknown N/A	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom toilet penetrations No penetrations noted No No No No No No No No N/A No N/A No N/A No N/A No N/A N/A No N/A No N/A N/A	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE corner. No penetrations noted No penetrations noted No Outside in the shed Yes No No No No No No No NA No N/A No N/A No N/A	NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No N/A No N/A N/A N/A N/A N/A N/A N/A Presumed yes Applied by outside landscape contractors. Unknown N/A No No N/A No No N/A No No N/A	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room drains Custodian room drains No other penetrations noted No Yes Yes No No No N/A No N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A Outside landscapers applied something in July or August. Rootsall weed killer. Unknown N/A No No N/A No No N/A No No N/A No No N/A	Unknown None No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown Unknown Unknown Unknown Vnknown Vnknown Unknown	Unknown Unknown Unknown Water line in basement No other penetrations noted No No No No Yes Smokes only outside No N/A	Unknown Unknown Unknown Unknown No No No Yes No No N/A No N/A Yes 3.4 times per year N/A No N/A Yes 3.4 times per year N/A No N/A Yes S 3.4 times per year	Unknown Unknown Unknown No penetrations noted No penetrations noted Yes Yes Yes Yes Yes No No No No No No No No N/A N/A N/A N/A Yes Unknown No Yes Unknown No Yes Unknown No
Penetrations? Potential Indoor Sources-Source Materials	Location of Floor Drains? Location 1 Location 2 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (last time occupants smoke?) Does the building have an attached garage? Notes (is the car typically in the garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—If so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, what type? Frequency? Date of application? Has there been a fire in the building?	None NUM area—water line No other penetrations noted No other penetrations noted Yes Yes Yes Yes Yes No N/A Yes Yes Yes Yes Yes Yes Yes No N/A Yes No N/A Yes Ukeekago No N/A	Unknown None. Just bathroom tollet penetrations No penetrations noted No penetrations noted No No Unknown Unknown Unknown NO N/A NO N/A NO N/A N/A N/A Unknown N/A Unknown Unknown N/A N/A Unknown N/A	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom toilet penetrations No penetrations noted No No No No No No No N/A No N/A No N/A No N/A No N/A No N/A No N/A N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE comer. No penetrations noted No Outside in the shed Yes No Outside in the shed Yes No No No No No No NA No N/A No N/A No N/A No N/A No N/A N/A <	NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No No No No No No No No No N/A No N/A N/A No N/A	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room drains Custodian room drains No other penetrations noted No Yes Yes Yes No No N/A No N/A No N/A No N/A N/A No N/A N/A No N/A	Unknown None No penetrations noted No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown Unknown Unknown Unknown Ves No Unknown	Unknown Unknown Unknown Water line in basement No other penetrations noted No No No Yes No No Yes Smokes only outside N/A	Unknown Unknown Unknown Unknown No No No No No No No N/A No N/A No N/A Yes 3.4 times per year N/A No N/A Yes Automation N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A No N/A	Unknown Unknown Unknown Unknown No penetrations noted No penetrations noted Yes Yes Yes Yes No No No No No No No N/A No N/A No N/A Yes Unknown Yes Unknown Ses No No No Yes Unknown Ses No
Penetrations? Potential Indoor Sources-Source Materials	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Do any occupants smoke? Notes (last time occupants smoked) Does the building have an attached garage? Notes (last time occupants smoked) Does the building have an attached garage? Notes (last cart vpically in the garage?) Do the occupants have items in the house dury-cleaned? Dry-clean-if so, how often? Last time something was dry- cleaned? If so, what types of solvents at work? If so, what types of solvents are used? If so, what type? Frequency? Date of application? Has there been a fire in the building? Fire: Notes	None NW area-water line No other penetrations noted No other penetrations noted Yes Yes Yes Yes No N/A Yes Yes Yes Yes Yes Yes Yes Ves Ves Ves No N/A Ves Unknown Unknown N/A	Unknown None. Just bathroom tollet penetrations No penetrations noted No penetrations noted No No Unknown Unknown Unknown No N/A No N/A N/A N/A N/A Unknown N/A Unknown Unknown N/A	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom toilet penetrations No penetrations noted No No No No No No No No N/A No N/A No N/A No N/A No N/A N/A No N/A No N/A N/A	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE comer. No penetrations noted No penetrations noted No Outside in the shed Yes No No No No No No No No NA No N/A No N/A NA	NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No N/A No N/A N/A N/A N/A N/A N/A N/A Presumed yes Applied by outside landscape contractors. Unknown N/A No No N/A No No N/A No No N/A	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room drains No other penetrations noted No Yes Yes No No No No N/A No N/A No N/A	Unknown None No penetrations noted No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown Unknown Unknown Ves No Unknown N/A	Unknown Unknown Unknown Water line in basement No other penetrations noted No No No No Yes Smokes only outside No N/A	Unknown Unknown Unknown Unknown No No No Yes No No N/A No N/A Yes 3.4 times per year N/A No N/A Yes Roundup about 1 month ago in front yard No N/A	Unknown Unknown Unknown No penetrations noted No penetrations noted Yes Yes Yes Yes Yes No No No No No No No No N/A N/A N/A N/A Yes Unknown No Yes Unknown No Yes Unknown No
Penetrations?	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (ast time occupants smoke? Does the building have an attached garage? Notes (ast time occupants smoked) Does the building have an attached garage? Notes (is the car typically in the garage?) Do the occupants have items in the house dry-cleaned? Dry-clean-if so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, what type? Frequency? Date of application? Has there been a fire in the building? Fire: Notes Painting/staining notes Location 1	None NW areawater line No other penetrations noted No other penetrations noted Yes Veekago No N/A Unknown Unknown No N/A No N/A	Unknown None. 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Floor-mounted heat registers Drains for bathrooms and sink No N/A No N/A No N/A No N/A No N/A<!--</th--><th>Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room drains No other penetrations noted No No Yes Yes No No No NA No N/A N/A No N/A No N/A N/A No N/A No N/A No N/A No N/A No NA NA</th><th>Unknown None No penetrations noted No penetrations noted Unknown Unknown</th><th>Unknown Unknown Unknown Water line in basement No other penetrations noted No other penetrations noted No N/A N/A N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</th><th>Unknown Unknown Unknown Unknown Unknown Unknown No No No No No No No No N/A No N/A Yes 3.4 times per year N/A No N/A No N/A Yes Roundup about 1 month ago in front yard N/A No N/A Yes Roundup about 1 month ago in front yard N/A No N/A No N/A No N/A No N/A No N/A No N/A N/A N/A No N/A N/A N/A N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</th><th>Unknown Unknown Unknown Unknown No penetrations noted No penetrations noted Yes Yes Yes Yes Yes No No No No N/A No N/A No N/A No N/A No N/A Yes Unknown Yes Unknown Yes Unknown Yes Unknown Yes Unknown Kes Yes Unknown Kes No No N/A No No No N/A No No No N/A No No</th></th>	NA None Natural gas line comes through floor in furnace room behind lobby. 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Penetrations? Potential Indoor Sources-Source Materials	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cileaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (last time occupants smoke?) Does the building have an attached garage? Notes (last time occupants smoked) Do sthe building have an attached garage? Notes (last car typically in the garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—If so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, what type? Frequency? Date of application? Have any pesticides or herbicides been applied around the building or in the yard? If so, what type? Frequency? Date of application? Has there been a fire in the building? Fire: Notes Painting or staining in the last six months? Painting or staining notes Location 2	None NW area-water line No other penetrations noted No other penetrations noted Yes Yes Yes Yes No N/A Yes Yes Yes No N/A Yes Ukekiy Weekigo No N/A Unknown Unknown No N/A No N/A No N/A No N/A	Unknown None. Just bathroom tollet penetrations No penetrations noted No penetrations noted No No Unknown Unknown Unknown N/A No N/A No N/A No N/A Unknown N/A Unknown Unknown Unknown Unknown Unknown N/A East by kitchen door	Unknown–Probably no vapor barrier, based on the age of slab None None: Just bathroom tollet penetrations No penetrations noted No No No No No No N/A No N/A No N/A No N/A No N/A No N/A N/A No N/A N/A No N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE comer. No penetrations noted No Outside in the shed Yes No NA No N/A No N/A No N/A No N/A No N/A No N/A NA NA NA NA N/A NA N/A NA N/A NA NA </th <th>NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No No No No No No N/A No N/A N/A N/A N/A N/A N/A Presumed yes. Applied by outside landscape contractors. Unknown N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A N/A No N/A</th> <th>Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the dectrical room Electrical room drains Uncustodian room drains No other penetrations noted No Yes Yes Yes No No N/A No N/A No N/A No N/A No N/A N/A N/A No N/A N/A N/A N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</th> <th>Unknown None No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Yes No Unknown N/A Laundy room N/A</th> <th>Unknown Unknown Unknown Water line in basement No other penetrations noted No No No Yes No No Yes Smokes only outside No N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</th> <th>Unknown Unknown Unknown Unknown Unknown Unknown No No No No No No No N/A No N/A Yes 3-4 times per year N/A No N/A Yes A-4 times per year N/A No N/A Yes A-4 times per year N/A No N/A No N/A No N/A Unknown Unknown May have been painted before new tenant moved in N/A Unknown May have been painted before new tenant moved in N/A</th> <th>Unknown Unknown Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes Yes Within 24 hours No N/A N/A N/A N/A Yes Unknown Yes Unknown No Yes Unknown No Yes Painted much of the upstalis in March 2013 (approximately) N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</th>	NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No No No No No No N/A No N/A N/A N/A N/A N/A N/A Presumed yes. Applied by outside landscape contractors. Unknown N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A N/A No N/A	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the dectrical room Electrical room drains Uncustodian room drains No other penetrations noted No Yes Yes Yes No No N/A No N/A No N/A No N/A No N/A N/A N/A No N/A N/A N/A N/A No N/A	Unknown None No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Yes No Unknown N/A Laundy room N/A	Unknown Unknown Unknown Water line in basement No other penetrations noted No No No Yes No No Yes Smokes only outside No N/A No N/A	Unknown Unknown Unknown Unknown Unknown Unknown No No No No No No No N/A No N/A Yes 3-4 times per year N/A No N/A Yes A-4 times per year N/A No N/A Yes A-4 times per year N/A No N/A No N/A No N/A Unknown Unknown May have been painted before new tenant moved in N/A Unknown May have been painted before new tenant moved in N/A	Unknown Unknown Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes Yes Within 24 hours No N/A N/A N/A N/A Yes Unknown Yes Unknown No Yes Unknown No Yes Painted much of the upstalis in March 2013 (approximately) N/A
Penetrations? Potential Indoor Sources-Source Materials Occupant/ Building Details Subslab	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (ast time occupants smoke? Does the building have an attached garage? Notes (ast time occupants smoked) Does the building have an attached garage? Notes (is the car typically in the garage?) Do the occupants have items in the house dry-cleaned? Dry-clean-if so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, what type? Frequency? Date of application? Has there been a fire in the building? Fire: Notes Painting/staining notes Location 1	None NW areawater line No other penetrations noted No other penetrations noted Yes Veekago No N/A Unknown Unknown No N/A No N/A	Unknown None. 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Floor-mounted heat registers Drains for bathrooms and sink No N/A No N/A No N/A No N/A No N/A<!--</th--><th>Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room drains No other penetrations noted No No Yes Yes No No No NA No N/A N/A No N/A No N/A N/A No N/A No N/A No N/A No N/A No NA NA</th><th>Unknown None No penetrations noted No penetrations noted Unknown Unknown</th><th>Unknown Unknown Unknown Water line in basement No other penetrations noted No other penetrations noted No N/A N/A N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</th><th>Unknown Unknown Unknown Unknown Unknown Unknown No No No No No No No No N/A No N/A Yes 3.4 times per year N/A No N/A No N/A Yes CNA No N/A N/A N/A N/A No N/A N/A N/A N/A N/A No N/A N/A N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</th><th>Unknown Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes Yes No No No No N/A No N/A No N/A No N/A Yes Unknown Yes Unknown Yes Unknown Yes Unknown Yes Painted much of the upstalis in March 2013 (anonzoimately) N/A</th></th>	NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No N/A No N/A No N/A No N/A No N/A </th <th>Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room drains No other penetrations noted No No Yes Yes No No No NA No N/A N/A No N/A No N/A N/A No N/A No N/A No N/A No N/A No NA NA</th> <th>Unknown None No penetrations noted No penetrations noted Unknown Unknown</th> <th>Unknown Unknown Unknown Water line in basement No other penetrations noted No other penetrations noted No N/A N/A N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</th> <th>Unknown Unknown Unknown Unknown Unknown Unknown No No No No No No No No N/A No N/A Yes 3.4 times per year N/A No N/A No N/A Yes CNA No N/A N/A N/A N/A No N/A N/A N/A N/A N/A No N/A N/A N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</th> <th>Unknown Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes Yes No No No No N/A No N/A No N/A No N/A Yes Unknown Yes Unknown Yes Unknown Yes Unknown Yes Painted much of the upstalis in March 2013 (anonzoimately) N/A</th>	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room drains No other penetrations noted No No Yes Yes No No No NA No N/A N/A No N/A No N/A N/A No N/A No N/A No N/A No N/A No NA	Unknown None No penetrations noted No penetrations noted Unknown	Unknown Unknown Unknown Water line in basement No other penetrations noted No other penetrations noted No N/A N/A N/A No N/A	Unknown Unknown Unknown Unknown Unknown Unknown No No No No No No No No N/A No N/A Yes 3.4 times per year N/A No N/A No N/A Yes CNA No N/A N/A N/A N/A No N/A N/A N/A N/A N/A No N/A N/A N/A No N/A	Unknown Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes Yes No No No No N/A No N/A No N/A No N/A Yes Unknown Yes Unknown Yes Unknown Yes Unknown Yes Painted much of the upstalis in March 2013 (anonzoimately) N/A
Penetrations? Potential Indoor Sources-Source Materials Occupant/ Building Details Subslab	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (ast time occupants smoke?) Does the building have an attached garage? Notes (ast time occupants smoked) Does the building have an attached garage? Notes (ast time occupants smoked) Does the building have an attached garage? Notes (as the car typically in the garage?) Do the occupants have items in the house dry-cleaned? Dry-clean-If so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, are clothes washed at work? Have any pesticides or herbicides been applied around the building or in the yard? If so, what type? Frequency? Date of application? Has there been a fire in the building? Fire: Notes Painting or staining notes Location 1 Location 3	None NW area-water line No other penetrations noted Yes Weekly Week ago N/A Unknown Unknown No N/A No N/A No N/A No N/A No N/A No N/A	Unknown None. Just bathroom tollet penetrations No penetrations noted No penetrations noted No No Unknown Unknown Unknown N/A No N/A No N/A N/A Unknown N/A Information from preliminary site visit in	Unknown-Probably no vapor barrier, based on the age of slab None None. Just bathroom tollet penetrations No penetrations noted No penetrations noted No No No No N/A No N/A No N/A No N/A NA No N/A NA NA NA NA NA NA NA NA NA NA NA NA NA	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE comer. No penetrations noted No Outside in the shed Yes No Outside in the shed Yes No N/A No N/A	NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No No No No No No N/A No N/A N/A N/A N/A N/A N/A Presumed yes. Applied by outside landscape contractors. Unknown N/A No N/A N/A N/A N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the dectrical room Electrical room Custodian room drains No other penetrations noted No Yes Yes Yes No No N/A No N/A No N/A No N/A No N/A No N/A N/A No N/A N/A No N/A N/A No N/A	Unknown None No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown Unknown Unknown Unknown Ves No Unknown N/A Laundry room N/A N/A N/A N/A	Unknown Unknown Unknown Water line in basement No other penetrations noted No No No Yes No No Yes Smokes only outside No N/A No N/A	Unknown Unknown Unknown Unknown Unknown No No No No No No No No N/A No N/A Yes 3.4 times per year N/A No N/A Yes A.4 times per year N/A No N/A Yes A.4 times per year N/A No N/A No N/A No N/A No N/A N/A No N/A N/A Yes Roundup about 1 month ago in front yard No N/A Ves Roundup about 1 month ago in front yard No N/A Ves Roundup about 1 month ago in front yard No N/A Unknown May have been painted before new Lenant moved in N/A N/A N/A	Unknown Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes Yes No No No No No No No N/A N/A N/A Yes Unknown Yes Unknown No Yes Unknown No Yes Unknown No Yes Unknown No No Yes Unknown No
Penetrations? Potential Indoor Sources-Source Materials Occupant/ Building Details Subslab Sampling Ports	Location of Floor Drains? Location 1 Location 2 Location 2 Cocation 3 Gasoline Storage Cans Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cileaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (last time occupants smoke?) Do sthe building have an attached garage? Notes (s the car typically in the garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—If so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, what type? Frequency? Date of application? Have any pesticides or herbicides been applied around the building or in the yard? If so, what type? Frequency? Date of application? Has there been a fire in the building? Fire: Notes Painting or staining in the last six months? Painting or staining notes Location 1 Location 3 Location 4	None NW areawater line No other penetrations noted No other penetrations noted Yes Weekly Week ago No N/A Unknown Unknown Unknown No N/A No N/A No N/A No N/A No N/A Near weightlifting equipment Closet under stairs East area near door to upstairs East area near door to upstairs Information from preliminary site visti in	Unknown None. Just bathroom tollet penetrations No penetrations noted No penetrations noted No No Unknown Yes Unknown No N/A No N/A N/A N/A N/A Unknown N/A	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom toilet penetrations No penetrations noted No penetrations noted No No No No No No No N/A N/A No N/A No N/A No N/A N/A No N/A No N/A N/A No N/A No N/A No N/A No N/A N/A No N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A N/A No N/A N/A No N/A N/A No N/A N/A N/A No N/A N/A N/A N/A No N/A N/A No N/A N/A N/A N/A N/A N/A N/A No N/A N/A N/A No N/A N/A N/A No N/A N/A N/A No N/A N/A N/A No N/A N/A N/A N/A N/A N/A No N/A N/A No N/A N/A No N/A N/A N/A No N/A N/A N/A N/A No N/A N/A N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE comer. No penetrations noted No penetrations noted No Outside in the shed Yes No Outside in the shed Yes No NVA No N/A	NA None Natural gas line comes through floor in furnace room behind lobby. Floormounted heat registers Drains for bathrooms and sink. No N/A N	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room Custodian room drains No other penetrations noted No Yes Yes No No No No N/A No N/A No N/A No N/A	Unknown None No penetrations noted No penetrations noted No penetrations noted Unknown N/A Unknown N/A Laundy room N/A N/A N/A Information from preliminary site visit in	Unknown Unknown Unknown Unknown Water line in basement No other penetrations noted No No No No Yes Smokes only outside No N/A	Unknown Unknown Unknown Unknown Unknown Unknown No No No No No No No N/A No N/A No N/A Yes 3.4 times per year N/A No N/A Yes At times per year N/A No N/A	Unknown Unknown Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes Yes Within 24 hours No N/A N/A N/A N/A N/A Yes Unknown Yes Unknown Yes Unknown Yes Painted mustais in March 2013 (approximately) N/A N/A N/A Poperty was not sampled during
Penetrations? Potential Indoor Sources-Source Materials Occupant/ Building Details Subslab	Location of Floor Drains? Location 1 Location 2 Location 3 Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cleaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (ast time occupants smoke?) Does the building have an attached garage? Notes (ast time occupants smoked) Does the building have an attached garage? Notes (ast time occupants smoked) Does the building have an attached garage? Notes (as the car typically in the garage?) Do the occupants have items in the house dry-cleaned? Dry-clean-If so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, are clothes washed at work? Have any pesticides or herbicides been applied around the building or in the yard? If so, what type? Frequency? Date of application? Has there been a fire in the building? Fire: Notes Painting or staining notes Location 1 Location 3	None NW areawater line No other penetrations noted No other penetrations noted Yes No NA Yes Weekly Week ago No N/A N/A N/A N/A N/A No N/A No N/A No N/A No N/A No N/A Near weightlifting equipment Closet under stairs East area near door to upstairs N/A	Unknown None. Just bathroom tollet penetrations No penetrations noted No penetrations noted No No Unknown Yes Unknown Unknown No N/A No N/A No N/A N/A N/A Unknown Unknown Unknown Unknown N/A N/A Unknown Unknown N/A Unknown N/A Information from preliminary site visit in Nov. 2012 was reviewed during July 2013 sampling visit, and no changes to property were confirmed.	Unknown–Probably no vapor barrier, based on the age of slab None None. Just bathroom toilet penetrations No penetrations noted No penetrations noted No No No No No No No N/A No N/A No N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A N/A N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE corner. No penetrations noted No penetrations noted No Outside in the shed Yes No No No No No No No NA No N/A	NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No N/A No N/A N/A N/A N/A N/A Presumed yes. Applied by outside landscape contractors. Unknown No N/A N/A No N/A N/A Information from preliminary site visit in N/A N/A N/A N/A Information from preliminary site visit in N/A	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the electrical room Electrical room drains Custodian room drains No other penetrations noted No Yes Yes No No No N/A No N/A No N/A	Unknown None No penetrations noted No penetrations noted No penetrations noted Unknown N/A Unknown N/A N/A N/A N/A Information from preliminary site visit in Nov. 2012 was reviewed during July 2013 sampling visit, and no changes to	Unknown Unknown Unknown Unknown Water line in basement No other penetrations noted No No No No Yes Smokes only outside No N/A	Unknown Unknown Unknown Unknown Unknown Unknown No N/A No N/A Yes 3-4 times per year N/A Yes 3-4 times per year N/A No N/A Yes Common Solution N/A No No N/A No N/A No No N/A No No N/A No No N/A No N/A	Unknown Unknown Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes No No No No No N/A No N/A No N/A Yes Unknown Yes Unknown Yes Unknown No Yes Painted much of the upstairs in March 2013 (annrowimately) N/A
Penetrations? Potential Indoor Sources-Source Materials Occupant/ Building Details Subslab Sampling Ports	Location of Floor Drains? Location 1 Location 2 Location 2 Cocation 3 Gasoline Storage Cans Gasoline Storage Cans Gas-powered Equipment Paints/Thinners/Strippers Cileaning Solvents Oven Cleaners Insecticides Do any occupants smoke? Notes (last time occupants smoke?) Do sthe building have an attached garage? Notes (s the car typically in the garage?) Do the occupants have items in the house dry-cleaned? Dry-clean—If so, how often? Last time something was dry- cleaned? Do occupants use solvents at work? If so, what types of solvents are used? If so, what type? Frequency? Date of application? Have any pesticides or herbicides been applied around the building or in the yard? If so, what type? Frequency? Date of application? Has there been a fire in the building? Fire: Notes Painting or staining in the last six months? Painting or staining notes Location 1 Location 3 Location 4	None NW area-water line No other penetrations noted No other penetrations noted Yes No N/A Usek ago N/A Unknown Unknown No N/A	Unknown None. Just bathroom tollet penetrations No penetrations noted No No No Unknown Yes Unknown Unknown N/A No N/A No N/A No N/A Unknown N/A	Unknown–Probably no vapor barrier, based on the age of slab None None: Just bathroom tollet penetrations No penetrations noted No penetrations noted No No No No No No N/A No N/A No N/A No N/A No N/A No N/A NA No N/A N/A No N/A No N/A N/A No N/A No N/A No N/A N/A No N/A No N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A No N/A N/A N/A N/A N/A N/A N/A N/A No N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A Two locations: 1) under the bar, and 2) in the kitchen Gas comes in above grade in SE comer. No penetrations noted No penetrations noted No Outside in the shed Yes No Outside in the shed Yes No No NVA No N/A N/A <tr td=""></tr>	NA None Natural gas line comes through floor in furnace room behind lobby. Floor-mounted heat registers Drains for bathrooms and sink No NA No N/A N/A <tr td=""></tr>	Unknown Four total—one in each of two bathrooms, one in the custodian room, one in the dectrical room Electrical room Custodian room drains No other penetrations noted No Yes Yes No No No N/A No NO N/A	Unknown None No penetrations noted No penetrations noted Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Vres No Unknown N/A Unknown N/A Laundy room N/A N/A N/A Information from preliminary site visit in Nov. 2012 was reviewed during July Information from preliminary site visit in Nov. 2012 was reviewed during July Information from preliminary site visit in Nov. 2012 was reviewed during July	Unknown Unknown Unknown Unknown Water line in basement No other penetrations noted No No No Yes Smokes only outside No N/A No N/A	Unknown Unknown Unknown Unknown Unknown Unknown No No No No No No No No No N/A No N/A N/A Yes 3.4 times per year N/A No N/A N/A Yes Roundup about 1 month ago in front yard No N/A No N/A N/A No N/A Unknown May have been painted before new tenant moved in N/A	Unknown Unknown Unknown Unknown No penetrations noted No penetrations noted No penetrations noted Yes Yes Yes Yes Yes No No No No No N/A N/A N/A N/A Yes Unknown No No Yes Unknown No No Yes Unknown No

Table B-3 Field Notes—Indoor Air Sampling—November 2012

	Property ID	1	5	7	9	10	11	13	
Property	Property Address	117 N 3rd Ave-Fire Station	210 N Main Ave—Community	116 N Main Ave-Police	121 N Main Ave—Sportsman Bar	127 N Main Ave—Sales Office	201/205 N Main Ave-Post	305 N Main Ave	
			Center	Department	& Grill		Office		
-	Bill Beadie Thomas Ashton	Yes Yes	Yes Yes	Yes	Yes Yes	Yes	Yes Yes	Yes Yes	
Survey	Mike Murray	Yes	No	Yes	Yes	No	Yes	No	
	Andy Vidourek	Yes	No	Yes	Yes	No	No	No	
	Date/Time	11/15/12 1:10 PM	11/14/12 11:15 AM	11/15/12 9:45 AM	11/12/12 9:55 AM	11/15/12 10:02 AM	11/15/12 10:39 AM	11/16/12 9:34 AM	11
Preliminary	Potential Indoor Sources	None	None	None	None	None	None	None	
Visit Notes	Source Materials (from site visit)	None	None	None	None	None	None	None	
-	Location 1 Indoor Temperature	Downstairs 65	Library office 70	Officer's work counter 70	East end of the bar 70	Kitchen 70	Custodian office 68	Dining room table 1st floor 68	
	Indoor RH%	30	30	30	30	32	30	30	
-	Sample ID No.	1-IA1-111512	5-IA1-111412	7-IA1-111512	9-IA1-111212	10-IA1-111512	11-IA1-111512	13-IA1-111612	
	Canister No.	33558	924	14122	33565	23925	34190	34241	
Indoor Air Sampling—	Regulator No.	33558	924	14122	33565	23925	34190	34241	
Location 1	Regulator Setting	24-HR	24-HR	24-HR	24-HR	24-HR	24-HR	24-HR	
-	Start Date/Time	11/15/12 1:17 PM	11/14/12 11:16 AM	11/15/12 9:45 AM	11/12/12 10:03 AM	11/15/12 10:03 AM	11/15/12 10:40 AM	11/16/12 9:39 AM	11
-	Stop Date/Time Vacuum Gauge Start (in Hg)	11/16/12 1:17 PM -30	11/15/12 12:51 PM -30	11/16/12 12:22 PM -30	11/13/12 2:54 PM -28	-30	11/16/12 1:05 PM -30	11/17/12 11:53 AM -29	
·	Vacuum Gauge Final (in Hg)	-4.5	-3.5	-5	-3.5	-5	-5	-4	
	Observations	None	None	None	None	None	None	None	
	Location 2	Upstairs in TV room	Front room—SW corner	Interview room	Kitchen	Back office	Central workstation	2nd floor	
	Indoor Temperature	70	70	70	70	70	68	68	
	Indoor RH% Sample ID No.	30 1-IA2-111512	30 5-IA2-111412	30 7-IA2-111512	30 9-IA2-111212	30 10-IA2-111512	30 11-IA2-111512	30 13-IA2-111612	
	Canister No.	1-IA2-111512 3748	5-IA2-111412 3734	7-IA2-111512 35241	32130	32107	11-IA2-111512 14010	13-1A2-111612 5600	
Indexe Alia	Regulator No.	3748	3734	35241	32130	32107	14010	5600	
Indoor Air Sampling—	Regulator Setting	24-HR	24-HR	24-HR	24-HR	24-HR	24-HR	24-HR	
Location 2	Start Date/Time	11/15/12 1:18 PM	11/14/12 11:19 AM	11/15/12 9:52 AM	11/12/12 10:02 AM	11/15/12 10:07 AM	11/15/12 10:42 AM	11/16/12 9:46 AM	11
	Stop Date/Time	11/16/12 11:59 AM	11/15/12 12:50 PM	11/16/12 12:08 PM	11/13/12 2:57 PM	11/16/12 10:26 AM	11/16/12 12:45 PM	11/17/12 11:53 AM	11
	Vacuum Gauge Start (in Hg) Vacuum Gauge Final (in Hg)	-30	-30 -3.5	-30 -2.5	-30 -2	-30 -4,5	-30 -4	-30 -5	
	- Could ouge that (in tig)	Canister ran out of vacuum by	0.0	2.0	-	т. с	τ	Canister was brought	
	Observations	the time it was checked the following day.	None	None	None	None	None	downstairs in the morning	
	Location 3	Upstairs hallway	Back room—SW corner	N/A	N/A	Crawlspace	Near customer counter on top of safe	N/A	
	Indoor Temperature	70	70	N/A	N/A	39-56	68	N/A	
	Indoor RH%	30	30	N/A	N/A	63-97	30	N/A	<u> </u>
	Sample ID No. Canister No.	1-IA3-111512 34306	5-IA3-111412 4383	N/A N/A	N/A N/A	10-CS1-111512 31432	11-IA3-111512 5599	N/A N/A	
	Regulator No.	34306	4383	N/A N/A	N/A N/A	31432	5599	N/A	
Indoor Air Sampling—	Regulator Setting	24-HR	24-HR	N/A	N/A	24-HR	24-HR	N/A	
Location 3	Start Date/Time	11/15/12 1:20 PM	11/14/12 11:22 AM	N/A	N/A	11/15/12 10:14 AM	11/15/12 10:43 AM	N/A	11
	Stop Date/Time	11/16/12 1:15 PM	11/15/12 12:53 PM	N/A	N/A	11/16/12 10:28 AM	11/16/12 12:46 PM	N/A	11
	Vacuum Gauge Start (in Hg)	-29 -4.5	-30 -5	N/A N/A	N/A N/A	-30 -1.5	-29.5 -4	N/A N/A	
	Vacuum Gauge Final (in Hg) Observations	None	None	N/A	N/A N/A	None	-4 None	N/A	
	Location 1	By weightlifting equipment	N/A	Near back door	N/A	N/A	NW corner of mail room	Laundry room	
	Sample ID No.	1-SS1-111512	N/A	7-SS1-111512	N/A	N/A	11-SS1-111512	13-SS1-111612	
-	Canister No. Regulator No.	94521 94521	N/A N/A	15748	N/A N/A	N/A N/A	9453 9453	9483 9483	
Subslab	Regulator No. Regulator Setting	94521 30-min	N/A N/A	30-min	N/A N/A	N/A N/A	9453 30-min	9483 30-min	
Sampling— Location 1	Start Date/Time	11/15/12 4:37 PM	N/A N/A	11/15/12 1:10 PM	N/A N/A	N/A	11/15/12 2:35 PM	11/16/12 9:49 AM	
LUCAUUTI	Stop Date/Time	11/15/12 5:09 PM	N/A	11/15/12 1:53 PM	N/A	N/A	11/15/12 3:08 PM	11/16/12 10:30 AM	
	Vacuum Gauge Start (in Hg)	-28	N/A	-29	N/A	N/A	-29.5	-29	
	Vacuum Gauge Final (in Hg)	-4.5	N/A	-4.5	N/A	N/A	-4.5	-2.5	
	Observations Location 2	None Closet under stairs	N/A N/A	None Interrogation room	N/A N/A	N/A N/A	None Central workstation	N/A N/A	
	Sample ID No.	1-SS2-111512	N/A N/A	7-SS2-111512	N/A N/A	N/A N/A	11-SS1-111512	N/A N/A	
	Canister No.	36569	N/A	35690	N/A	N/A	34609	N/A	
Subslab	Regulator No.	36569	N/A	35690	N/A	N/A	34609	N/A	
Sampling—	Regulator Setting	30-min 11/15/12 5:10 PM	N/A	30-min	N/A	N/A	30-min	N/A	
Location 2	Start Date/Time Stop Date/Time	11/15/12 5:10 PM 11/15/12 6:00 PM	N/A N/A	11/15/12 1:29 PM 11/15/12 2:07 PM	N/A N/A	N/A N/A	11/15/12 3:24 PM 11/15/12 4:13 PM	N/A N/A	
	Vacuum Gauge Start (in Hg)	-30	N/A N/A	-28.5	N/A N/A	N/A	-28	N/A N/A	
	Vacuum Gauge Final (in Hg)	-4.5	N/A	-4	N/A	N/A	-4.5	N/A	
	Observations	None	N/A	None	N/A	N/A	None	N/A	
	Location 3	East by door	N/A	Center of building	N/A	N/A	Central east	N/A	
	Sample ID No. Canister No.	1-SS3-111512 9495	N/A N/A	7-SS3-111512 97105	N/A N/A	N/A N/A	11-SS3-111512 9518	N/A N/A	
	Regulator No.	9495	N/A N/A	97105	N/A N/A	N/A N/A	9518	N/A N/A	
	Regulator Setting	30-min	N/A	30-min	N/A	N/A	30-min	N/A	
Subslab Sampling	Start Date/Time	11/15/12 5:23 PM	N/A	11/15/12 2:07 PM	N/A	N/A	11/15/12 3:30 PM	N/A	
Subslab Sampling— Location 3		11/15/12 6:15 PM	N/A	11/15/12 2:44 PM	N/A	N/A	11/15/12 4:05 PM	N/A	
Sampling-	Stop Date/Time	-30	N/A N/A	-30 -4.5	N/A N/A	N/A N/A	-29.5 -4.5	N/A N/A	
Sampling—	Vacuum Gauge Start (in Hg)			-4.5 None	N/A N/A	N/A N/A	-4.5 None	N/A N/A	
Sampling-	Vacuum Gauge Start (in Hg) Vacuum Gauge Final (in Hg)	-4.5 None	N/A		N/A	N/A	By safe	N/A	
Sampling—	Vacuum Gauge Start (in Hg)	-4.5 None N/A	N/A N/A	N/A					1
Sampling—	Vacuum Gauge Start (in Hg) Vacuum Gauge Final (in Hg) Observations Location 4 Sample ID No.	None N/A N/A	N/A N/A	N/A	N/A	N/A	11-SS4-111512	N/A	
Sampling-	Vacuum Gauge Start (in Hg) Vacuum Gauge Final (in Hg) Observations Location 4 Sample ID No. Canister No.	None N/A N/A N/A	N/A N/A N/A	N/A N/A	N/A N/A	N/A	93109	N/A	
Sampling— Location 3	Vacuum Gauge Start (in Hg) Vacuum Gauge Final (in Hg) Observations Location 4 Sample ID No. Canister No. Regulator No.	None N/A N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A	93109 93109	N/A N/A	
Sampling— Location 3	Vacuum Gauge Start (in Hg) Vacuum Gauge Final (in Hg) Observations Location 4 Sample ID No. Canister No.	None N/A N/A N/A	N/A N/A N/A	N/A N/A	N/A N/A	N/A	93109	N/A	
Sampling— Location 3	Vacuum Gauge Start (in Hg) Vacuum Gauge Final (in Hg) Observations Location 4 Sample ID No. Canister No. Regulator No. Regulator Setting	None N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	93109 93109 30-min	N/A N/A N/A N/A N/A	
Subslab Sampling—	Vacuum Gauge Start (in Hg) Vacuum Gauge Final (in Hg) Observations Location 4 Sample ID No. Canister No. Regulator No. Regulator Setting Start Date/Time Stop Date/Time Vacuum Gauge Start (in Hg)	None N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	93109 93109 30-min 11/15/12 4:22 PM 11/15/12 4:58 PM -28.5	N/A N/A N/A N/A N/A N/A	
Sampling— Location 3	Vacuum Gauge Start (in Hg) Vacuum Gauge Final (in Hg) Observations Location 4 Sample ID No. Canister No. Regulator No. Regulator Setting Start Date/Time Stop Date/Time	None N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	93109 93109 30-min 11/15/12 4:22 PM 11/15/12 4:58 PM	N/A N/A N/A N/A N/A	

	1
24	27
322 N 1st Ave	304 N 1st Ave
Yes	Yes
Yes	Yes
No	No
No	No
11/16/12 12:00 AM	11/15/12 8:25 AM
None None	None None
Living room	Kitchen
68	68
30	30
24-IA1-111612	27-IA1-111512
33925	33781
33925	33781
24-HR 11/16/12 11:49 AM	24-HR 11/15/12 8:26 AM
11/17/12 12:02 PM	11/16/12 10:11 AM
-30	-30
-4.5	-5
None	Within 8 feet of windows
Basement	Living room
65	68
30 24-IA2-111612	30 27-IA2-111512
24-IA2-111612 34737	5761
34737	5761
24-HR	24-HR
11/16/12 10:58 AM	11/15/12 8:31 AM
11/17/12 10:28 AM	11/16/12 10:46 AM
-28	-30
-4	-5
None	None
Crawlspace	Crawlspace—center of house
40-50	39-56
85-97	63-97
24-CS1-111512	27-CS1-111512
12330 12330	21013 21013
12330 24-HR	21013 24-HR
11/15/12 11:34 AM	11/15/12 8:53 AM
11/16/12 12:59 PM	11/16/12 10:02 AM
-30	-28
-30 -5	-0.5
	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers
-5	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate
-5 None	-0.5 Some exposed soll visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil.
-5 None N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A N/A
-5 None N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90–95% of soil. N/A N/A N/A N/A
-5 None N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90–95% of soil. N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A	-0.5 Some exposed soll visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soll. N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A	-0.5 Some exposed soll visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soll. N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90–95% of soil. N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A N/A N/A N/A N/A N/A N/A
-5 None N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A N/A N/A N/A N/A N/A N/A
-5 None N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A
-5 None N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A
-5 None N/A N	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A
-5 None N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A
-5 None N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A <
-5 None N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A
-5 None N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A
-5 None N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A
-5 None N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A
-5 None N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A
-5 None N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A
-5 None N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 00-95% of soil. N/A N/A
-5 None N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A
-5 None N/A	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A
-5 None N/A N	-0.5 Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90-95% of soil. N/A N/A

Table B-4 Field Notes—Indoor Air Sampling—July 2013

	Property ID	1	5	7	9	10	11	13	24	27	28
Property	Property Address	117 N 3rd Ave—Fire Station	210 N Main Ave—Community	116 N Main Ave—Police	121 N Main Ave—Sportsman Bar	127 N Main Ave—Sales Office	201/205 N Main Ave-Post	305 N Main Ave	322 N 1st Ave	304 N 1st Ave	305 N 1st Ave
	Bill Beadie	Yes	Center Yes	Department Yes	& Grill Yes	Yes	Office Yes	Yes	N/A	Yes	Yes
	Thomas Ashton	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes
Survey	Mike Murray Andy Vidourek	Yes	Yes Yes	Yes	No	No	No Yes	Yes	N/A N/A	No	No
	Date/Time	7/29/13 12:00 PM	7/30/13 10:18 AM	7/29/13 10:09 AM	7/29/13 10:40 AM	7/29/13 11:45 AM	7/29/13 12:33 PM	7/30/13 1:30 PM	N/A	7/30/2013 10:30	7/30/2013 11:15
Preliminary	Potential Indoor Sources	None	None	None	None	None	None	None	N/A	None	Yes
Visit Notes	Source Materials (from site visit)	None	None	None	None	None	None	None	N/A	None	Paints, Thinners/Strippers, Coating Material in basemen
	Location 1	Downstairs	Library office	Officer's work counter	East end of the bar	Kitchen	Custodian office	Dining room table 1st floor	N/A	Kitchen	Basement
	Indoor Temperature	72	72	72	72	72	72	72	N/A	72	70
	Indoor RH% Sample ID No.	35 1-IA1-072913	40 5-IA1-073013	35 7-IA1-072913	35 9-IA1-072913	35 10-IA1-072913	35 11-IA1-072913	40 13-IA1-073013	N/A N/A	40 27-IA1-073013	40 28-IA1-073013
In da an Ala	Canister No.	10978	94301	14113	12938	34749	5365	1588	N/A	9421	21009
Indoor Air Sampling—	Regulator No.	10978	94301	14113	12938	34749	5365	1588	N/A	9421	21009
Location 1	Regulator Setting Start Date/Time	24-HR 7/29/13 12:00 PM	24-HR 7/30/13 10:18 AM	24-HR 7/29/13 10:04 AM	24-HR 7/29/13 10:51 AM	24-HR 7/29/13 11:46 AM	24-HR 7/29/13 12:34 PM	24-HR 7/30/13 1:36 PM	N/A N/A	24-HR 7/30/13 10:52 AM	24-HR 7/30/13 12:01 PM
	Stop Date/Time	7/30/13 2:21 PM	7/31/13 12:27 PM	7/30/13 9:09 AM	7/30/13 9:31 AM	7/30/13 2:12 PM	7/30/13 12:55 PM	7/31/13 2:56 PM	N/A	7/31/13 11:03 AM	7/31/13 10:20 AM
	Vacuum Gauge Start (in Hg)	-30	-30	-30	-28	-30	-28	-30	N/A	-30	-30
	Vacuum Gauge Final (in Hg) Observations	-5.5 None	-4.5 None	-5 None	-5 None	-5 None	-4 None	-5.5 None	N/A N/A	-5 None	-4 None
	Location 2	Upstairs in TV room	Front room—SW corner	Interview room	Kitchen	Back office	Central workstation	2nd floor	N/A	Living room	Main Floor
	Indoor Temperature	72	72	72	72	72	72	72	N/A	72	70
	Indoor RH% Sample ID No.	35 1-IA2-072913	40 5-IA2-073013	35 7-IA2-072913	35 9-IA2-072913	35 10-IA2-072913	35 11-IA2-072913	40 13-IA2-073013	N/A N/A	40 27-IA2-073013	40 28-IA2-073013
	Canister No.	10791	5763	5086	13439	1565	33909	33376	N/A	1568	5667
ndoor Air ampling—	Regulator No.	10791 24-HR	5763 24-HR	5086	13439 24-HR	1565	33909 24-HR	33376 24-HR	N/A	1568 24-HR	5667
ocation 2	Regulator Setting Start Date/Time	24-HR 7/29/13 12:03 PM	24-HR 7/30/13 10:07 AM	24-HR 7/29/13 10:05 AM	24-HR 7/29/13 10:43 AM	24-HR 7/29/13 11:46 AM	24-HR 7/29/13 12:36 PM	24-HR 7/30/13 1:39 PM	N/A N/A	24-HR 7/30/13 10:51 AM	24-HR 7/30/13 12:03 PM
	Stop Date/Time	7/30/13 12:48 PM	7/31/13 12:35 PM	7/30/13 9:11 AM	7/30/13 12:17 PM	7/30/13 12:44 PM	7/30/13 12:54 PM	7/31/13 2:56 PM	N/A	7/31/13 10:59 AM	7/31/13 2:17 PM
	Vacuum Gauge Start (in Hg)	-30	-30	-29	-30	-30	-30	-30	N/A	-28	-30
	Vacuum Gauge Final (in Hg)	-5	-5	-1 None	-4 Position in kitchen slightly altered	-4.5 None	-3 None	-2.5	N/A	-4	-4.5 None
	Observations Location 3	None Upstairs hallway	None Back room—SW corner	N/A	from original N/A	Crawlspace	None Near customer counter on top	None N/A	N/A N/A	None Crawlspace—center of house	
				N/A N/A	N/A N/A		of safe		N/A N/A		Upstairs 2nd Story
	Indoor Temperature Indoor RH%	72 35	72 40	N/A N/A	N/A N/A	63 73	72 35	N/A N/A	N/A N/A	63 80	70 40
	Sample ID No.	1-IA3-072913	5-IA3-073013	N/A	N/A	10-CS1-072913	11-IA3-072913	N/A	N/A	27-CS1-073013	28-IA3-073013
	Canister No.	5664 5664	4214 4214	N/A N/A	N/A N/A	12958 12958	11026 11026	N/A N/A	N/A N/A	14869 14869	9418 9418
Indoor Air ampling—	Regulator No. Regulator Setting	24-HR	4214 24-HR	N/A N/A	N/A N/A	12958 24-HR	24-HR	N/A N/A	N/A N/A	24-HR	9418 24-HR
Location 3	Start Date/Time	7/29/13 12:04 PM	7/30/13 10:14 AM	N/A	N/A	7/29/13 11:48 AM	7/29/13 12:38 PM	N/A	N/A	7/30/13 10:52 AM	7/30/13 12:06 PM
	Stop Date/Time Vacuum Gauge Start (in Hg)	7/30/13 2:19 PM -29.5	7/31/13 3:05 PM -29	N/A N/A	N/A N/A	7/30/13 12:48 PM -30	7/30/13 12:53 PM -29	N/A N/A	N/A N/A	7/31/13 11:07 AM -29.5	7/31/13 1:05 PM -30
	Vacuum Gauge Start (in Hg) Vacuum Gauge Final (in Hg)	-29.5	-29 -5	N/A N/A	N/A N/A	-30	-29 -3.5	N/A N/A	N/A N/A	-29.5	-30
	Observations	None	None	N/A	N/A	None	None	N/A	N/A	Some exposed soil visible in vapor barrier gaps. Estimate that vapor barrier covers 90–95% of soil	None
	Location 1	By weightlifting equipment	East by kitchen door	Near back door	N/A	N/A	NW corner of mail room	Laundry room	N/A	N/A	N/A
	Sample ID No. Canister No.	1-SS1-072913 37419	5-SS1-073013 34100	7-SS1-072913 31796	N/A N/A	N/A N/A	11-SS1-073113	13-SS1-073013 30827	N/A	N/A	N/A N/A
C I I I.	Regulator No.		•	51770			37713			N/A	
Subslab	Regulator Setting	37419	34100	31796	N/A	N/A	37713 37713	30827	N/A N/A	N/A N/A	N/A
ampling-		30-min	30-min	30-min	N/A	N/A N/A	37713 30-min	30-min	N/A N/A	N/A N/A	N/A N/A
	Start Date/Time	30-min 7/29/13 12:22 PM	30-min 7/30/13 10:16 AM	30-min 7/29/13 10:21 AM	N/A N/A	N/A N/A N/A	37713 30-min 7/31/13 1:02 PM	30-min 7/30/13 1:40 PM	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
		30-min	30-min	30-min	N/A	N/A N/A	37713 30-min	30-min	N/A N/A	N/A N/A	N/A N/A
	Start Date/Time Stop Date/Time Vacuum Gauge Start (in Hg) Vacuum Gauge Final (in Hg)	30-min 7/29/13 12:22 PM 7/29/13 12:52 PM -29.5 -5	30-min 7/30/13 10:16 AM 7/30/13 11:00 AM -30 -5	30-min 7/29/13 10:21 AM 7/29/13 10:51 AM -29.5 -5	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	37713 30-min 7/31/13 1:02 PM 7/31/13 1:39 PM -30 -5	30-min 7/30/13 1:40 PM 7/30/13 2:11 PM -28 -5	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A
	Start Date/Time Stop Date/Time Vacuum Gauge Start (in Hg) Vacuum Gauge Final (in Hg) Observations	30-min 7/29/13 12:22 PM 7/29/13 12:52 PM -29:5 -5 None	30-min 7/30/13 10:16 AM 7/30/13 11:00 AM -30 -5 None	30-min 7/29/13 10:21 AM 7/29/13 10:51 AM -29.5 -5 None	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	37713 30-min 7/31/13 1:32 PM 7/31/13 1:39 PM -30 -5 None	30-min 7/30/13 1:40 PM 7/30/13 2:11 PM -28 -5 None	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A
	Start Date/Time Stop Date/Time Vacuum Gauge Start (in Hg) Vacuum Gauge Final (in Hg) Observations Location 2 Sample ID No.	30-min 7/29/13 12:22 PM 7/29/13 12:52 PM -29.5 -5 None Closet under stairs 1-SS2-072913	30-min 7/30/13 10:16 AM 7/30/13 11:00 AM -30 -5 None Central closet 5-SS2-073013	30-min 7/29/13 10:21 AM 7/29/13 10:51 AM -29.5 -5 None Interrogation room 7:SS2-072913	N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A	37713 30-min 7/31/13 1:02 PM 7/31/13 1:39 PM -30 -5 None Central workstation 11-SS2-073113	30-min 7/30/13 1:40 PM 7/30/13 2:11 PM -28 -5 None N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A
	Start Date/Time Stop Date/Time Vacuum Gauge Start (in Hg) Vacuum Gauge Final (in Hg) Observations Location 2 Sample ID No. Canister No.	30-min 7/29/13 12:22 PM 7/29/13 12:52 PM -29.5 -5 None Closet under stairs 1-SS2-072913 31795	30-min 7/30/13 10:16 AM 7/30/13 11:00 AM -30 -5 None Central closet 5-552-073013 12031	30-min 7/29/13 10:21 AM 7/29/13 10:51 AM -29.5 -5 None Interrogation room 7-5S2-072913 34169	N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	37713 30-min 7/31/13 1:02 PM 7/31/13 1:39 PM -30 -5 None Central workstation 11-552-073113 35649	30-min 7/30/13 1:40 PM 7/30/13 2:11 PM -28 -5 None N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A
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Sampling— Location 2	Start Date/Time Stop Date/Time Vacuum Gauge Start (in Hg) Vacuum Gauge Start (in Hg) Observations Location 2 Sample ID No. Canister No. Regulator Setting Start Date/Time Stop Date/Time Vacuum Gauge Start (in Hg) Vacuum Gauge Start (in Hg) Vacuum Gauge Start (in Hg) Cobservations Location 3 Sample ID No. Canister No. Regulator Setting Start Date/Time Stop Date/Time Stop Date/Time Stop Date/Time Start Date/Time Start Date/Time Start Date/Time Start Date/Time Start Date/Time Start Date/Time Start Date/Time Start Date/Time Start Date/Time Date/Time Location 4 Sample ID No. Canister No.	30-min 7/29/13 12:22 PM 7/29/13 12:22 PM -29.5 -5 None Closet under stairs 1-SS2-072913 31795 30-min 7/29/13 12:17 PM 7/29/13 12:17 PM 7/29/13 12:17 PM 7/29/13 12:47 PM -29.5 -5 None East by door 1-SS3-072913 15770 30-min 7/29/13 1:20 PM 7/29/13 1:20 PM 7/29/13 1:50 PM -28 -5 None N/A N/A N/A N/A	30-min 7/30/13 10:16 AM 7/30/13 11:00 AM -30 -5 None Central closet 5:552-073013 12031 12031 12031 330-min 7/30/13 10:11 AM 7/30/13 10:11 AM 7/30/13 10:57 AM -30 -5 None N/A N/A N/A N/A N/A N/A N/A N/A	30-min 7/29/13 10:51 AM -29.5 -5 None Interrogation room 7-552-072913 34169 34169 30-min 7/29/13 11:10 AM 7/29/13 11:10 AM 7/29/13 11:10 AM -29.5 -5 None Center of building 7-553-072913 37795 30-min 7/29/13 10:31 AM 7/29/13 10:31 AM	N/A	N/A N/A	37713 30-min 7/31/13 1:02 PM 7/31/13 1:39 PM -30 -5 None Central workstation 11-552-073113 35649 30-min 7/31/13 12:52 PM 7/31/13 12:52 PM -29 -5 None Central east 11-553-073113 3299 3207113 3208 40 40 40 40 40 40 40 40 40 40	30-min 7/30/13 1:40 PM 7/30/13 2:11 PM -28 -5 None N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A	N/A N/A	N/A N/A
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Subslab ampling— .ocation 2 Subslab ampling— .ocation 3 Subslab ampling—	Start Date/Time Stop Date/Time Vacuum Gauge Start (in Hg) Vacuum Gauge Start (in Hg) Observations Location 2 Sample ID No. Canister No. Regulator Setting Start Date/Time Stop Date/Time Vacuum Gauge Start (in Hg) Vacuum Gauge Start (in Hg) Vacuum Gauge Start (in Hg) Cobservations Location 3 Sample ID No. Canister No. Regulator Setting Start Date/Time Stop Date/Time Stop Date/Time Stop Date/Time Start Date/Time Start Date/Time Start Date/Time Start Date/Time Start Date/Time Start Date/Time Start Date/Time Start Date/Time Start Date/Time Date/Time Location 4 Sample ID No. Canister No.	30-min 7/29/13 12:22 PM 7/29/13 12:52 PM -29.5 -5 None Closet under stairs 1:5S2-072913 31795 31795 31795 31795 31795 31795 31795 30-min 7/29/13 12:17 PM 7/29/13 12:17 PM 7/29/13 12:17 PM 7/29/13 12:17 PM 7/29/13 12:17 PM -29.5 -5 None East by door 1:5S3-072913 15770 15770 30-min 7/29/13 1:20 PM 7/29/13 1:50 PM -28 -5 None N/A N/A N/A N/A N/A N/A	30-min 7/30/13 10:16 AM 7/30/13 11:00 AM -30 -5 None Central closet 5-SS2-073013 12031 12031 12031 12031 12031 12031 12031 300- 7/30/13 10:11 AM 7/30/13 10:57 AM -30 -5 None N/A N/A N/A N/A N/A N/A N/A N/A	30-min 7/29/13 10:51 AM -29.5 -5 None Interrogation room 7-552-072913 34169 34169 30-min 7/29/13 11:10 AM 7/29/13 11:10 AM 7/29/13 11:10 AM -29.5 -5 None Center of building 7-553-072913 37795 30-min 7/29/13 10:31 AM 7/29/13 10:31 AM	N/A N/A	N/A N/A	37713 30-min 7/31/13 1:02 PM 7/31/13 1:02 PM -30 -5 None Central workstation 11-552-073113 35649 30-min 7/31/13 12:52 PM -29 -5 None Central east 11-553-073113 3299 3299 3299 30-min 7/31/13 12:21 PM 7/31/13 12:51 PM 7/31/13 12:51 PM 7/31/13 12:51 PM	30-min 7/30/13 1:40 PM 7/30/13 2:11 PM -28 -5 None N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A	N/A N/A	N/A
Subslab ampling— .ocation 2 Subslab ampling— .ocation 3	Start Date/Time Stop Date/Time Vacuum Gauge Start (in Hg) Observations Location 2 Sample ID No. Canister No. Regulator Setting Start Date/Time Stop Date/Time Vacuum Gauge Start (in Hg) Vacuum Gauge Start (in Hg) Vacuum Gauge Start (in Hg) Observations Location 3 Sample ID No. Canister No. Regulator Setting Start Date/Time Stop Date/Time Vacuum Gauge Final (in Hg) Observations Location 4 Sample ID No. Canister No. Regulator Setting Start Date/Time Stop Date/Time Vacuum Gauge Final (in Hg) Observations Location 4 Sample ID No. Canister No. Regulator No. Regulator Setting Start Date/Time Stop Date/Time	30-min 7/29/13 12:22 PM 7/29/13 12:22 PM -29.5 -5 None Closet under stairs 1-SS2-072913 31795 30-min 7/29/13 12:17 PM 7/29/13 12:47 PM 7/29/13 12:47 PM -29.5 -5 None East by door 1-SS3-072913 15770 15770 30-min 7/29/13 1:20 PM 7/29/13 1:20 PM 7/29/13 1:50 PM -28 -5 None N/A N/A N/A N/A N/A N/A	30-min 7/30/13 11:0:16 AM 7/30/13 11:00 AM -30 -5 None Central closet 5-SS2-073013 12031 30-min 7/30/13 10:11 AM 7/30/13 10:57 AM -30 -5 None N/A N/A N/A N/A N/A N/A N/A N/A	30-min 7/29/13 10:21 AM 7/29/13 10:51 AM -29.5 -5 None Interrogation room 7-SS2-072913 34169 34169 30-min 7/29/13 11:10 AM 7/29/13 11:10 AM 7/29/13 11:10 AM 7/29/13 11:10 AM -29.5 -5 None Center of building 7-SS3-072913 37795 30-min 7/29/13 10:31 AM 7/29/13 1	N/A N/A	N/A N/A	37713 30-min 7/31/13 1:32 PM -30 -5 None Central workstation 11-552-073113 35649 30-min 7/31/13 12:52 PM -29 -5 None Central east 11-553-073113 3299 30-min 7/31/13 12:21 PM 7/31/13 12:21 PM 7/31/13 12:51 PM 7/31/13 12:51 PM 7/31/13 155 PM 7/31/13 15 PM 7/31/13 1:56 PM	30-min 7/30/13 1:40 PM 7/30/13 2:11 PM -28 -5 None N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A	N/A N/A	N/A N/A
Subslab ampling— .ocation 2 Subslab ampling— .ocation 3	Start Date/Time Stop Date/Time Vacuum Gauge Final (in Hg) Observations Location 2 Sample ID No. Canister No. Regulator Setting Start Date/Time Stop Date/Time Vacuum Gauge Start (in Hg) Vacuum Gauge Start (in Hg) Vacuum Gauge Start (in Hg) Observations Location 3 Sample ID No. Canister No. Regulator No. Regulator No. Regulator Setting Start Date/Time Vacuum Gauge Start (in Hg) Vacuum Gauge Start (in Hg) Costervations Location 4 Sample ID No. Canister No. Regulator Setting Start Date/Time	30-min 7/29/13 12:22 PM 7/29/13 12:52 PM -29.5 -5 None Closet under stairs 1:5S2-072913 31795 31795 31795 31795 31795 31795 31795 30-min 7/29/13 12:17 PM 7/29/13 12:17 PM 7/29/13 12:17 PM 7/29/13 12:17 PM 7/29/13 12:17 PM -29.5 -5 None East by door 1:5S3-072913 15770 15770 30-min 7/29/13 1:20 PM 7/29/13 1:50 PM -28 -5 None N/A N/A N/A N/A N/A N/A	30-min 7/30/13 10:16 AM 7/30/13 11:00 AM -30 -5 None Central closet 5-SS2-073013 12031 12031 12031 12031 12031 12031 3300- 7/30/13 10:11 AM 7/30/13 10:57 AM -30 -5 None N/A N/A N/A N/A N/A N/A N/A N/A	30-min 7/29/13 10:21 AM 7/29/13 10:51 AM -29.5 -5 None Interrogation room 7-SS2-072913 34169 340-min 7/29/13 11:10 AM 7/29/13 11:10 AM -29.5 -5 None Center of building 7-SS3-072913 37795 37795 37795 37795 37795 37795 37795 37795 37795 37795 37795 30-min 7/29/13 11:01 AM 7/29/13 11:01 AM 7/29/13 11:01 AM 7/29/13 11:01 AM 7/29/13 11:01 AM 7/29/13 11:01 AM 7/29/13 11:01 AM N/A N/A N/A N/A N/A	N/A N/A	N/A N/A	37713 30-min 7/31/13 1:02 PM 7/31/13 1:02 PM -30 -5 None Central workstation 11-552-073113 35649 30-min 7/31/13 12:52 PM -29 -5 None Central east 11-553-073113 3299 3299 3299 30-min 7/31/13 12:21 PM 7/31/13 12:51 PM 7/31/13 12:51 PM 7/31/13 12:51 PM	30-min 7/30/13 1:40 PM 7/30/13 2:11 PM -28 -5 None N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A	N/A N/A	N/A N/A

Table B-5 Field Notes—Soil Gas Sampling

	Property ID	1	5	10	11
Site Details	Property Address	117 N 3rd Ave—Fire Station	210 N Main Ave—Community Center	127 N Main Ave—Sales Office	201/205 N Main Ave—Post Office
	Type of Occupancy	Office	Commercial	Office	Office
	Survey Team	N/A	Mike Murray, Andy Vidourek	N/A	Andy Vidourek
	Port Install Date	11/13/2012	11/14/2012	11/13/2012	11/14/2012
	Outdoor Temp	N/A	60	N/A	62
	Outdoor RH%	N/A	85	N/A	85
	Wind Speed (MPH)	N/A	3	N/A	6
Port Install	Wind Direction	N/A	Ν	N/A	NNW
Details	Significant Precipitation in Last 24 Hrs?	No	No	No	No
	Ground Cover Outside Building	Asphalt concrete	Asphalt concrete	Asphalt concrete	Asphalt concrete
	Soil-Gas Port ID	1-SG-01	5-SG-01	10-SG-01	11-SG-01
	Port Depth	6 ft bgs	6 ft bgs	5.5 ft bgs	6 ft bgs
	Depth to GW	GW not encountered during install	GW not encountered during install	4 ft bgs	GW not encountered during install
	Location 1	1-SG-01	5-SG-01	10-SG-01	11-SG-01
	Sample ID No.	1-SG1-111512	5-SG1-111512	N/A	11-SG1-111612
	Canister/Regulator No.	36476	33727	N/A	12040
	Regulator Setting	30-min	30-min	N/A	30-min
o "	Start Date/Time	11/15/12 8:35 AM	11/15/12 10:17 AM	N/A	11/16/12 7:26 AM
Sampling Details - Nov.	Stop Date/Time	11/15/12 9:21 AM	11/15/12 10:58 AM	N/A	11/16/12 8:10 AM
2012	Vacuum Gauge Start (in Hg)	-30	-28	N/A	-29
	Vacuum Gauge Final (in Hg)	-4.8	-4.5	N/A	-4.5
	Observations	None	None	Not sampled during November 2012 sampling event because of shallow GW level.	None
	Location 1	1-SG-01	5-SG-01	10-SG-01	11-SG-01
	Sample ID No.	N/A	5-SG1-073013	N/A	11-SG1-073113
	Canister/Regulator No.	N/A	37786	N/A	37414
	Regulator Setting	N/A	30-min	N/A	30-min
Sampling	Start Date/Time	N/A	7/30/13 9:19 AM	N/A	7/31/13 10:27 AM
Details - July	Stop Date/Time	N/A	7/30/13 10:00 AM	N/A	7/31/13 11:03 AM
2013	Vacuum Gauge Start (in Hg)	N/A	-30	N/A	-29
	Vacuum Gauge Final (in Hg)	N/A	-5	N/A	-4
	Observations	Not sampled during July 2013 sampling event because of shallow GW level.	None	Not sampled during July 2013 sampling event because of shallow GW level.	None

Table B-5 Field Notes—Soil Gas Sampling

	Drop orty ID	13	24	27	28
	Property ID	13	24	21	28
Site Details	Property Address	305 N Main Ave	322 N 1st Ave	304 N 1st Ave	305 N 1st Ave
	Type of Occupancy	Residential	Residential	Residential	Residential
	Survey Team	Mike Murray, Andy Vidourek	Mike Murray, Andy Vidourek	Andy Vidourek	Mike Murray, Andy Vidourek
	Port Install Date	11/13/2012	11/13/2012	11/13/2012	7/29/2013
	Outdoor Temp	70	74	71	74
	Outdoor RH%	72	66	66	66
	Wind Speed (MPH)	2	3	5	3
Port Install	Wind Direction	NW	NW	NNW	NW
Details	Significant Precipitation in Last 24 Hrs?	No	No	No	No
	Ground Cover Outside Building	Grass	Grass	Grass	Grass
	Soil-Gas Port ID	13-SG-01	24-SG-01	27-SG-01	28-SG-01
	Port Depth	6 ft bgs	6 ft bgs	6 ft bgs	5 ft bgs
	Depth to GW	GW not encountered during install	GW not encountered during install	GW not encountered during install	6 ft bgs
	Location 1	13-SG-01	24-SG-01	27-SG-01	N/A
	Sample ID No.	13-SG1-111512	24-SG1-111512	27-SG1-111512	N/A
	Canister/Regulator No.	30818	97101	36414	N/A
	Regulator Setting	30-min	30-min	30-min	N/A
о II	Start Date/Time	11/15/12 11:34 AM	11/15/12 12:35 PM	11/15/12 11:38 AM	N/A
Sampling Details - Nov.	Stop Date/Time	11/15/12 12:15 PM	11/15/12 1:16 PM	11/15/12 12:26 PM	N/A
2012	Vacuum Gauge Start (in Hg)	-27	-28	-30	N/A
	Vacuum Gauge Final (in Hg)	-4	-4	-4	N/A
	Observations	None	None	None	Port installed in July 2013
	Location 1	13-SG-01	24-SG-01	27-SG-01	28-SG-01
	Sample ID No.	13-SG1-073013	24-SG1-073013	27-SG1-072913	28-SG1-073013
	Canister/Regulator No.	9311	36374	37341	1348
	Regulator Setting	30-min	30-min	30-min	30-min
Sampling	Start Date/Time	7/30/13 1:13 PM	7/30/13 2:49 PM	7/29/13 3:22 PM	7/30/13 2:30 PM
Details - July	Stop Date/Time	7/30/13 1:54 PM	7/30/13 3:37 PM	7/29/13 4:08 PM	7/30/13 3:17 PM
2013	Vacuum Gauge Start (in Hg)	-30	-29.5	-30	-30
	Vacuum Gauge Final (in Hg)	-4	-4.5	-4	-5
	Observations	None	None	None	None

Table B-5 Field Notes—Soil Gas Sampling

	Property ID	44	45	46
Site Details	Property Address	122 N Main Ave—Vacant Lot—Former Park Laundry	126 N Main Ave—Vacant Lot—Laundry Adjacent Property	Main Ave/Mill Street—Vacant Lot
	Type of Occupancy	Vacant Lot	Vacant Lot	Vacant Lot
	Survey Team	Andy Vidourek	Andy Vidourek	Mike Murray, Andy Vidourek
	Port Install Date	11/13/2012	11/13/2012	11/13/2012
	Outdoor Temp	60	60	60
	Outdoor RH%	89	89	85
	Wind Speed (MPH)	6	5	4
Port Install	Wind Direction	NNW	NNW	NNW
Details	Significant Precipitation in Last 24 Hrs?	No	No	No
	Ground Cover Outside Building	Grass	Grass	Grass
	Soil-Gas Port ID	44-SG-01	45-SG-01	46-SG-01
	Port Depth	5.5 ft bgs	6 ft bgs	6 ft bgs
	Depth to GW	4.5 ft bgs	GW not encountered during install	GW not encountered during install
	Location 1	44-SG-01	45-SG-01	46-SG-01
	Sample ID No.	N/A	45-SG1-111512	46-SG1-111512
	Canister/Regulator No.	N/A	37750	37749
	Regulator Setting	N/A	30-min	30-min
	Start Date/Time	N/A	11/15/12 9:10 AM	11/15/12 10:20 AM
Sampling Details - Nov.	Stop Date/Time	N/A	11/15/12 9:52 AM	11/15/12 11:08 AM
2012	Vacuum Gauge Start (in Hg)	N/A	-30	-30
2012	Vacuum Gauge Final (in Hg)	N/A	-4.4	-3.5
	Observations	Not sampled during November 2012 sampling event because of shallow GW level.	On first attempt, canister 34091 had only -5 inches vacuum. Swapped out canister and tried again. Second canister operated well.	None
	Location 1	44-SG-01	45-SG-01	46-SG-01
	Sample ID No.	44-SG1-073113	45-SG1-073113	46-SG1-073013
	Canister/Regulator No.	37717	37697	33400
	Regulator Setting	30-min	30-min	30-min
Sampling	Start Date/Time	7/31/13 9:17 AM	7/31/13 8:54 AM	7/30/13 9:10 AM
Details - July	Stop Date/Time	7/31/13 10:00 AM	7/31/13 9:32 AM	7/30/13 9:48 AM
2013	Vacuum Gauge Start (in Hg)	-30	-29	-29
	Vacuum Gauge Final (in Hg)	-4	-5	-5
	Observations	None	None	None

Table B-6 Field Notes—Outdoor Background Air

	Property ID	OA1	OA2	OA3
Property Details	Location	Living Center—behind entrance sign	Behind El Rancho Viejo Restaurant	Davis Park
	Survey Team	Bill Beadie, Thomas Ashton	Bill Beadie, Thomas Ashton	Bill Beadie, Thomas Ashton
	Outdoor Temperature	39-56°F	39-56°F	39-56°F
Nov. 2012 Background	Outdoor RH%	63-97%	63-97%	63-97%
	Wind Speed Average	2 MPH	2 MPH	2 MPH
	Wind Speed Average	From north	From north	From north
	Significant Precipitation in the Last 24 Hrs?	No	No	No
	Significant Precipitation in the Last 24 Hrs?	OA1-111512	OA2-111512	OA3-111512
	•	20938	34485	33938
	Canister/Regulator No.		24-HR	
Sample 1	Regulator Setting	24-HR		24-HR
	Start Date/Time	Thursday, November 15, 2012, 09:37 AM	Thursday, November 15, 2012, 09:27 AM	Thursday, November 15, 2012, 09:18 AM
	Stop Date/Time	Friday, November 16, 2012, 08:47 AM	Friday, November 16, 2012, 08:57 AM	Friday, November 16, 2012, 09:04 AM
	Vacuum Gauge Start (in. Hg)	-29.5	-30	-30
	Vacuum Gauge Final (in. Hg)	-5	0	-5
	Observations	None	0 inches of vacuum remaining after 24hr.	None
Nov. 2012 Background Sample 2	Outdoor Temperature	40-50°F	40-50°F	40-50°F
	Outdoor RH%	85-97%	85-97%	85-97%
	Wind Speed Average	1.1 MPH	1.1 MPH	1.1 MPH
	Wind Direction Average	From east	From east	From east
	Significant Precipitation in the Last 24 Hrs?	Yes	Yes	Yes
	Sample ID	OA1-111612	OA2-111612	OA3-111612
	Canister/Regulator No.	31435	9417	9925
	Regulator Setting	24-HR	24-HR	24-HR
	Start Date/Time	Friday, November 16, 2012, 08:50 AM	Friday, November 16, 2012, 08:59 AM	Friday, November 16, 2012, 09:06 AM
	Stop Date/Time	Saturday, November 17, 2012, 09:22 AM	Saturday, November 17, 2012, 09:22 AM	Saturday, November 17, 2012, 11:43 AM
	Vacuum Gauge Start (in. Hg)	-29	-30	-30
	Vacuum Gauge Final (in. Hg)	-4.5	0	-5
	Observations	Rain overnight, sampling inlet protected by funnel.	Rain overnight, sampling inlet protected by funnel. 0 inches of vacuum remaining after 24hr.	Rain overnight, sampling inlet protected by funne
	Outdoor Temperature	62	62	62
	Outdoor RH%	74	74	76
	Wind Speed Average	4.7 MPH	4.7 MPH	4.7 MPH
July 2013 Background Sample 1	Wind Direction Average	From NW	From NW	From NW
	Significant Precipitation in the Last 24 Hrs?	No	No	No
	Sample ID	OA1-072913	OA2-072913	OA3-072913
	Canister/Regulator No.	5361	32109	10988
	Regulator Setting	24-HR	24-HR	24-HR
	Start Date/Time	7/29/13 11:32 AM	7/29/13 11:25 AM	7/29/13 11:17 AM
	Stop Date/Time	7/30/13 11:28 AM	7/30/13 9:38 AM	7/30/13 12:56 PM
	Vacuum Gauge Start (in. Hg)	-30	-29.5	-29
	Vacuum Gauge Final (in. Hg)	-5	-5	-5
	Observations	None	None	None
-	Outdoor Temperature	69	70	70
	Outdoor RH%	71	72	72
	Wind Speed Average	6.1 MPH	6.1 MPH	6.1 MPH
	Wind Direction Average	From NW	From NW	From NW
	Significant Precipitation in the Last 24 Hrs?	No	No	No
	Sample ID	OA1-073013	OA2-073013	OA3-073013
		34496	34198	12957
July 2013	Canister/Regulator No			
Background	Canister/Regulator No.		24-HR	24-HR
	Regulator Setting	24-HR	24-HR 7/30/13 1:15 PM	24-HR 7/30/13 1:22 PM
Background	Regulator Setting Start Date/Time	24-HR 7/30/13 1:05 PM	7/30/13 1:15 PM	7/30/13 1:22 PM
Background	Regulator Setting Start Date/Time Stop Date/Time	24-HR 7/30/13 1:05 PM 7/31/13 12:15 PM	7/30/13 1:15 PM 7/31/13 2:33 PM	7/30/13 1:22 PM 7/31/13 3:13 PM
Background	Regulator Setting Start Date/Time Stop Date/Time Vacuum Gauge Start (in. Hg)	24-HR 7/30/13 1:05 PM	7/30/13 1:15 PM	7/30/13 1:22 PM
Background	Regulator Setting Start Date/Time Stop Date/Time	24-HR 7/30/13 1:05 PM 7/31/13 12:15 PM -30	7/30/13 1:15 PM 7/31/13 2:33 PM -29.5	7/30/13 1:22 PM 7/31/13 3:13 PM -30



PHOTOGRAPHS

Project Name: Project Number: 8006.31.03 Location:

Former Park Laundry Site Ridgefield, WA

INDOOR AIR—PRELIMINARY VISIT

Photograph 1. Storage closet at the Fire Station, November 2012.



Photograph 2. Floor penetrations in the custodial closet of the Post Office, November 2012.





Photograph 3. Basement at 322 N 1st Avenue, November 2012.

Photographs

Project Name:Former PartProject Number:8006.31.03Location:Ridgefield,

Former Park Laundry Site r: 8006.31.03 Ridgefield, WA



Photograph 4. Using the Hapsite GC/MS to locate indoor sources of the chemicals of concern, November 2012.



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Photographs

Project Name:Former Park Laundry SiteProject Number:8006.31.03Location:Ridgefield, WA

INDOOR AIR—SAMPLING

Photograph 5. Indoor air sampling at the Fire Station, November 2012.



Photograph 6. Indoor air sampling at the Sportsman Bar & Grill, November 2012.





PHOTOGRAPHS

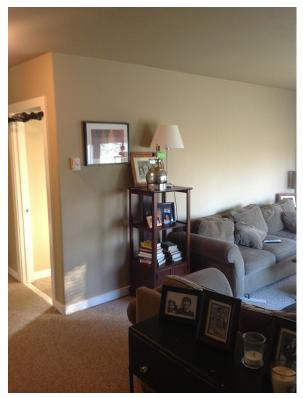
Project Name: Project Number: 8006.31.03 Location:

Former Park Laundry Site Ridgefield, WA

Photograph 7. Air sampling of the crawlspace under the Sales Office, November 2012.



Photograph 8. Indoor air sampling in the living room of 304 N 1st Avenue, November 2012.



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