

Jefferson County Foundation, Inc.

October 27, 2020

Via email

Mr. Patrick Burch
Technical Analyst
Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304

Re: Rockwool Topographical Map resubmission

Mr. Burch:

We hope you are well.

We have noted that Rockwool recently submitted an updated topographical map (Exhibit A), as part of its application for registration (WVR108876) under the Multi-sector Stormwater General Permit (MSGP) (WV0111457). On our evaluation of the map, we find it to be woefully inadequate and urge you to take corrective action.

The requirement for the topographical map in B.18.A.a.1.C in all recent iterations of the General Permit (the 2014 MSGP at B.19.A.1.a.3.; the 2019 MSGP at B.18.A.a.1.C; and the 2020 MSGP at B.17.A.1.a.3.) are identical and require the applicant to provide:

“A topographical map (or other map if a topographic map is unavailable), extending one mile beyond the property boundaries of the facility, depicting the facility and each of its intake and discharge structures, springs, other surface water bodies, and drinking water wells listed in public records or otherwise known to the applicant in the map area...”¹

Rockwool’s topographical map fails to meet these standards in several critical ways.

1. The map does not extend one mile beyond the property boundaries of the facility.
2. The map does not depict the facility.
3. The map does not depict all surface water bodies.
4. The map does not depict drinking water wells listed in public records

¹ The Multi-sector was submitted under the 2014 MGP, the 2019 MGP took effect while the application was in public comment, and the 2020 permit may take effect before this permit is either denied or approved. 2014 MGP Section B.18.A.a.1.C page 30. 2019 MGP Section B.19.A.1.a.3. page 31. 2020 MGP Section B.17.A.1.a.3. page 37.

This map depicts neither the facility nor the property limits of the facility. Instead, the map depicts the LOD which is much smaller than the property boundaries. This map is provided as part of the MSGP registration application, and therefore the construction LOD is irrelevant. What is relevant is the area of impact which the property boundary and facility are more appropriately used to delineate.

The map does not extend one mile beyond the property boundaries of the facility. Instead the map extends one mile from the very center of their construction limit of disturbance (LOD). This is not a small point as the property of the facility is itself one mile long². By measuring in this way, Rockwool has reduced the area of interest by 1,924 acres, effectively cutting it in half. When one mile is measured from the facility boundary, the resulting area is 3,935 acres, but when a one mile radius is measured from the center of the facility, the encompassed area is only 2010 acres (Exhibit B).

The map does not depict drinking water wells listed in public records. This is obviously a critical error with massive repercussions, demonstrating that Rockwool couldn't be bothered to include these wells or knowingly excluded them, and it further demonstrates their disregard for the importance of groundwater in this area.

Rockwool excluded at least two well head protection areas: 1. Fox Glenn Utilities (PWS ID WV3301908), now owned by Jefferson Utilities, Inc. Rockwool understands that the Fox Glen water supply wells are within the Rockwool industrial area of influence, because they formally included the Fox Glen Utilities Source Water Protection Plan on bloc in the Groundwater Protection Plan submitted for both Rockwool's Construction Stormwater and its Multi-Sector Permit.

Even worse, Rockwool failed to identify or depict the North Jefferson Elementary School Well Head Protection Area (NJE WWHPA). Only one of the above-mentioned wells is even identified on the map provided by Rockwool. These are depicted in the topographical map for the Route 9 sewer and included here for illustration (Exhibit C).

There are several other wells that are clearly known to Rockwool and ERM within one mile of the perimeter of the facility as they were included in the Jefferson Orchards VRP (taken over by Rockwool in 2018) and which was prepared by ERM, the same consultant used for the current MSGP responses submitted to you. (Exhibit D)³.

There are literally hundreds⁴ of private drinking water wells within one mile of Rockwool's property perimeter. It is well known by Jefferson Utilities, Inc., a close associate of and water provider to Rockwool and ERM, that a great majority of the residential area surrounding Rockwool

² As measured on the tax assessors map, Parcel ID IAS 08 1200010000, <https://www.mapwv.gov/parcel/>, last accessed 10-16-2020.

³ Jefferson Orchards Voluntary Remediation Plan Application dated 6-20-2017, Page 276 Exhibit D

⁴ Outside of the Fox glen (marked in Blue) development there are more than 275 parcels with dwellings likely all of which are to be provided water from private drinking water wells. Exhibit B

has no utility-provided water. Each residence relies on a private drinking water well. The Fox Glen Development is the only residential area within one mile of Rockwool to be serviced by a Utility and all other residences and businesses rely on private drinking water wells. This has been widely discussed with Rockwool by citizens and public representatives. It strains credulity that Rockwool and consultant ERM are not aware of these wells.

We the public, with considerably less resources than a large company like Rockwool and a consulting firm that literally specializes in doing this type of evaluation, were able to identify many more wells within the area of interest as compared to the three that Rockwool and ERM denoted (Exhibit B). Further, we found that with a simple form and a nominal fee submitted to the county Health department, one can obtain a list of drinking water wells for an area or list of parcels (Exhibit E). It appears that neither Rockwool nor ERM took this easy step to further characterize the drinking water well inventory within the area of interest.

The identification and understanding of these items and their relation and juxtaposition is critical for Rockwool's informed operation with the goal of protecting groundwater resources. Therefore, we insist the DEP require Rockwool to produce an accurate complete map this permit section. Furthermore, we reiterate our concern that the MGP is not an appropriate permitting instrument for Rockwool due to the novel and unique processes being implemented by Rockwool and the severe groundwater sensitivity at this site. Rockwool should be required to obtain an individual permit.

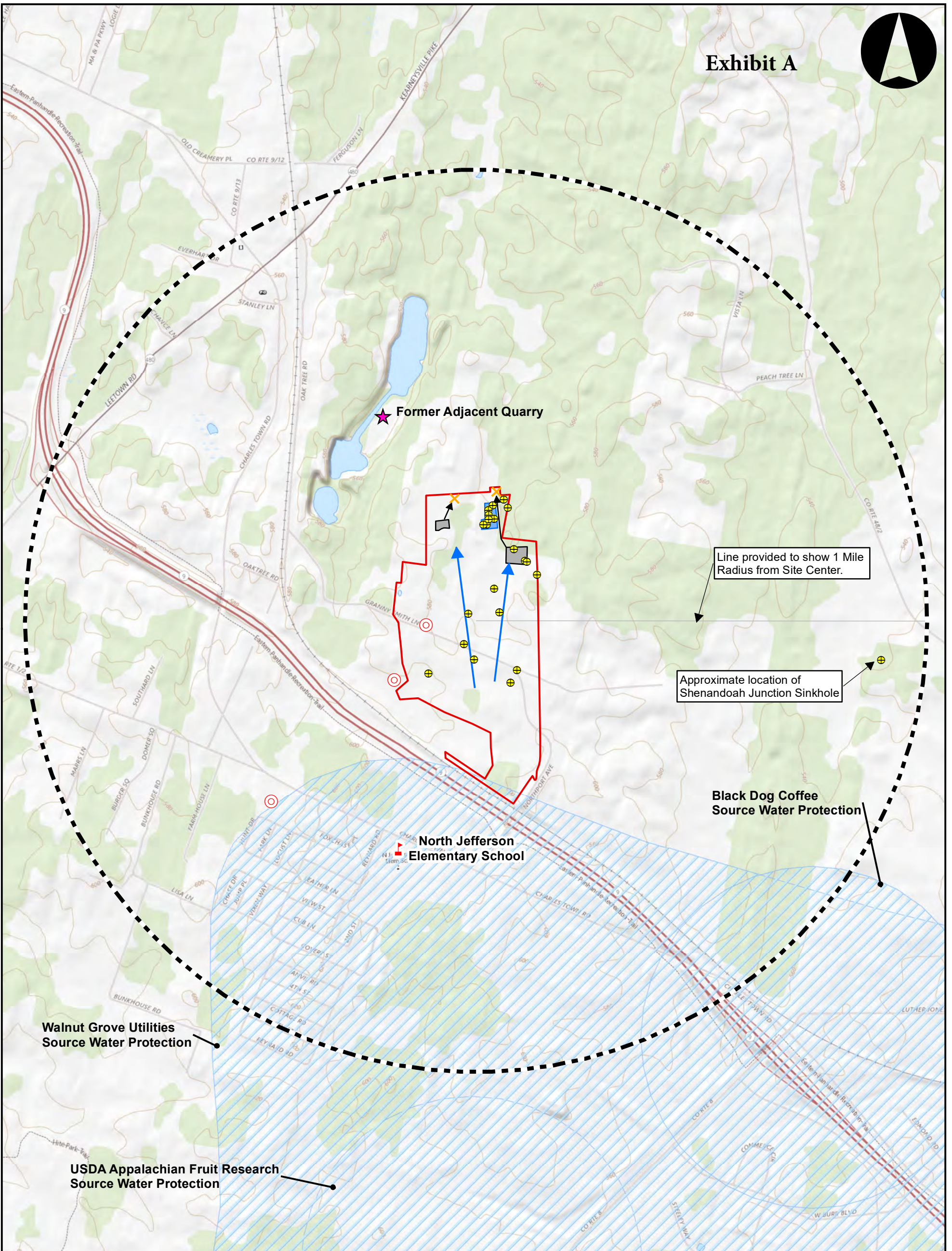
Thank you for your attention to this important matter.

Best regards,



Dr. Christine Wimer
President,
Jefferson County Foundation

CC: Katheryn D Emery katheryn.d.emery@wv.gov
Yogesh Patel yogesh.p.patel@wv.gov
Michelle Price-Fay price-fay.michelle@epa.gov



Line provided to show 1 Mile Radius from Site Center.

Approximate location of Shenandoah Junction Sinkhole

Black Dog Coffee Source Water Protection

Walnut Grove Utilities Source Water Protection

USDA Appalachian Fruit Research Source Water Protection

North Jefferson Elementary School

Former Adjacent Quarry

Legend

Drinking Water Well	RAN-5 Facility Boundary (LOD)
Documented Sinkhole	Site Buffer (1-Mile Radius)
School Location	Outfall Basin
Outfall Location	Rainwater Re-Use Pond
Outfall Flow	Source Water Protection Area
Estimated Groundwater Flow	Zone of Critical Concern
Location of Former Quarry	Well Head Protection Area
	Zone of Peripheral Concern

Scale:
 1:13,000
 1 Inch = 0.21 Miles

0 625 1,250 2,500
 Feet

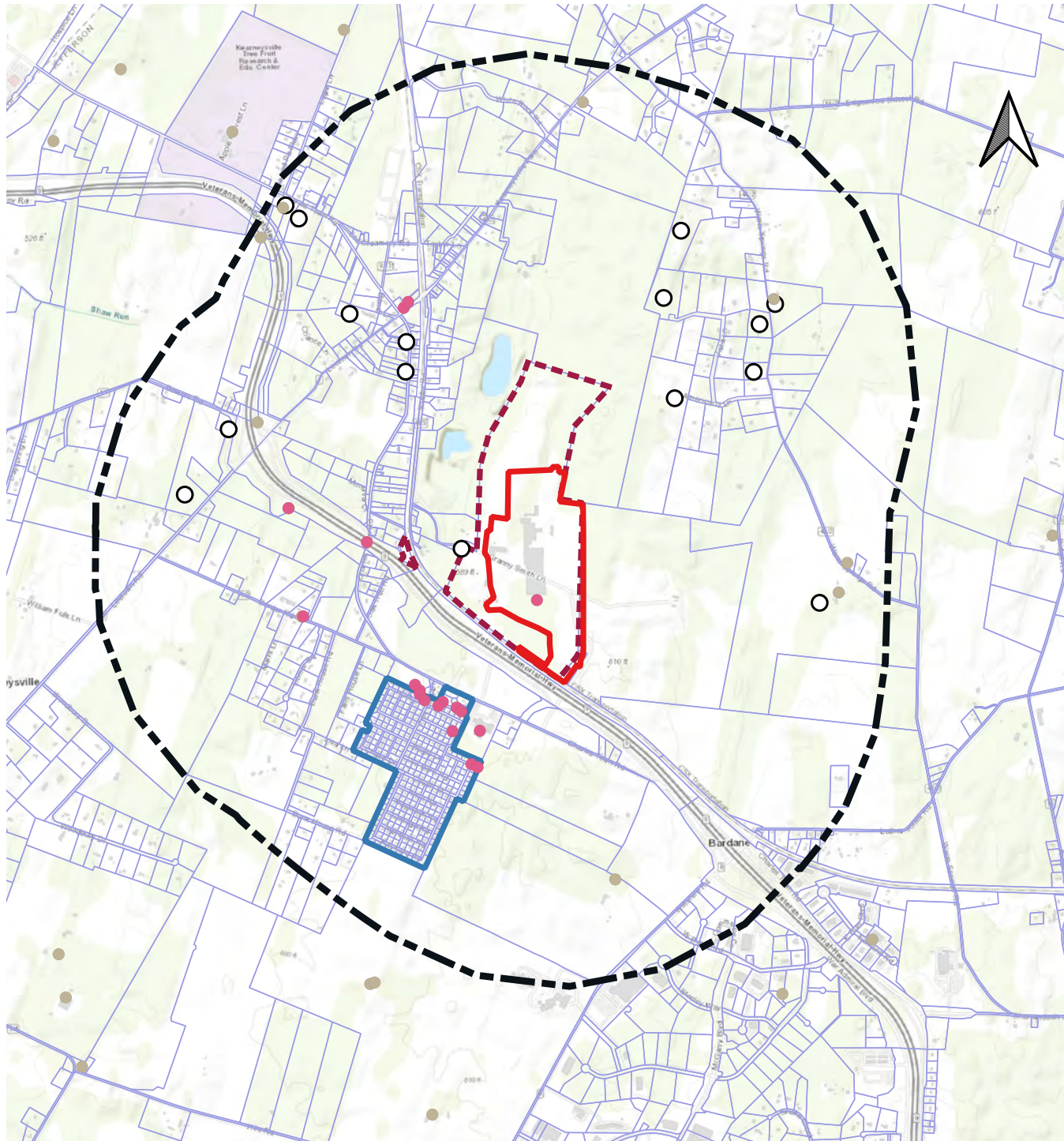
Date: 10/13/2020








RAN-5 Facility and Surrounding Area
 Source Water Protection Area Data
 Rockwool, Inc.
 Ranson, Jefferson County, WV

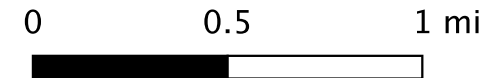


Exhibit B

Known wells within 1 mile of Rockwool property boundary



-  Rockwool parcel
 -  Rockwool property 1 mile buffer
 -  Fox Glen subdivision
 -  2020Parcels-wdata-wvalues2-3-9-20
 -  Wells from VRP report
 -  NWISMapperExport
 -  JCF residential wells survey (2-day)
- ESRI Topo



Sources:

LOD provided by WV DEP

Parcels available at Jefferson County Assessor's Office, <https://jefferson.wvassessor.com/index.php/mapping-data/shapefiles>

Groundwater wells from Voluntary Remediation Plan: [https://dep.wv.gov/pio/Documents/Settlements%20and%20Orders/Rockwool/VRP%2017031%20Jefferson%20Orchards%20VRP%20Application%20\(6-20-2017\).pdf](https://dep.wv.gov/pio/Documents/Settlements%20and%20Orders/Rockwool/VRP%2017031%20Jefferson%20Orchards%20VRP%20Application%20(6-20-2017).pdf)

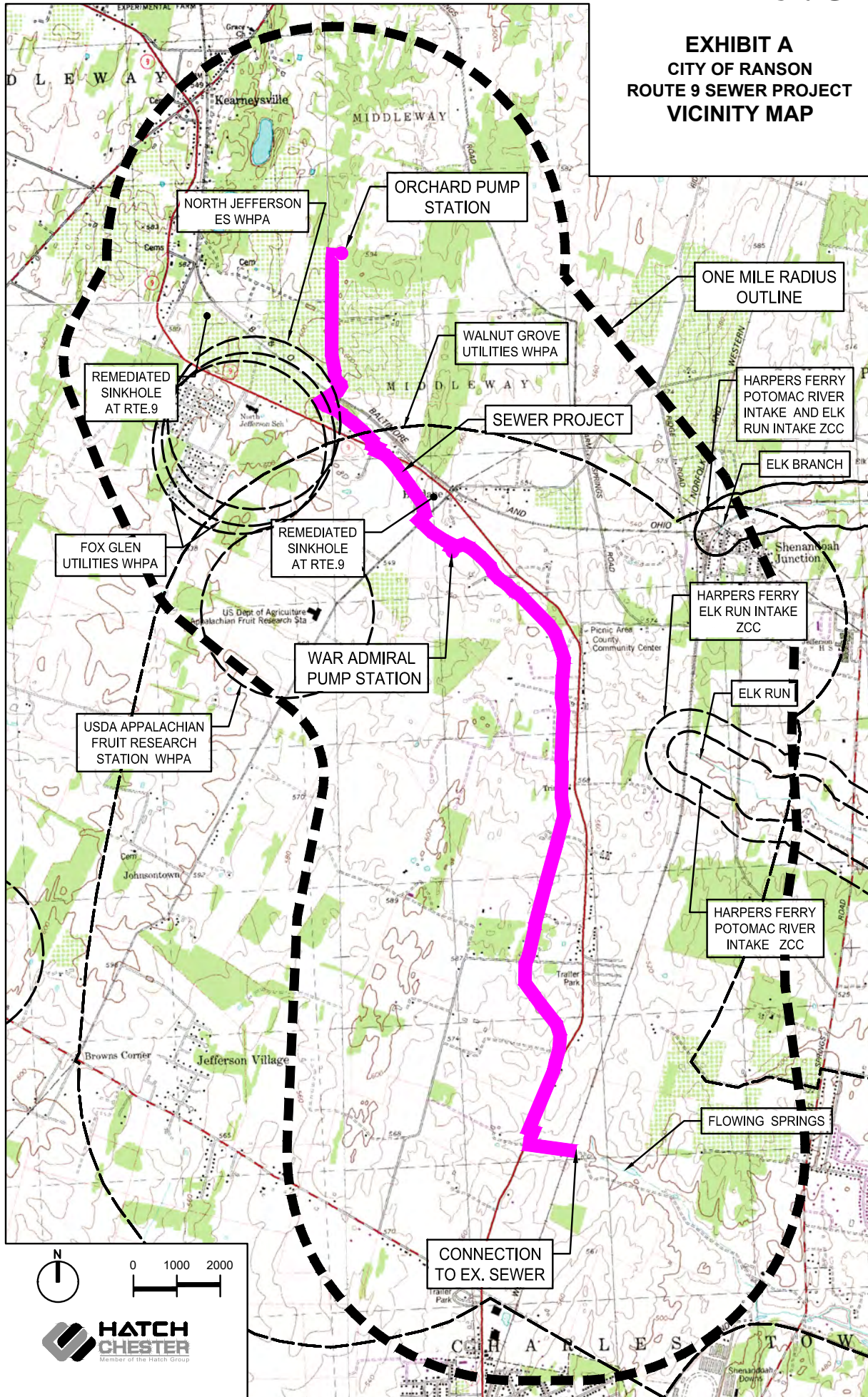
USGS groundwater well locations for Jefferson County: United States Geological Survey, National Water Information System, Water Data for the Nation. NWIS Mapper: https://nwis.waterdata.usgs.gov/w/nwis/gw_point_data downloaded Oct 23, 2020

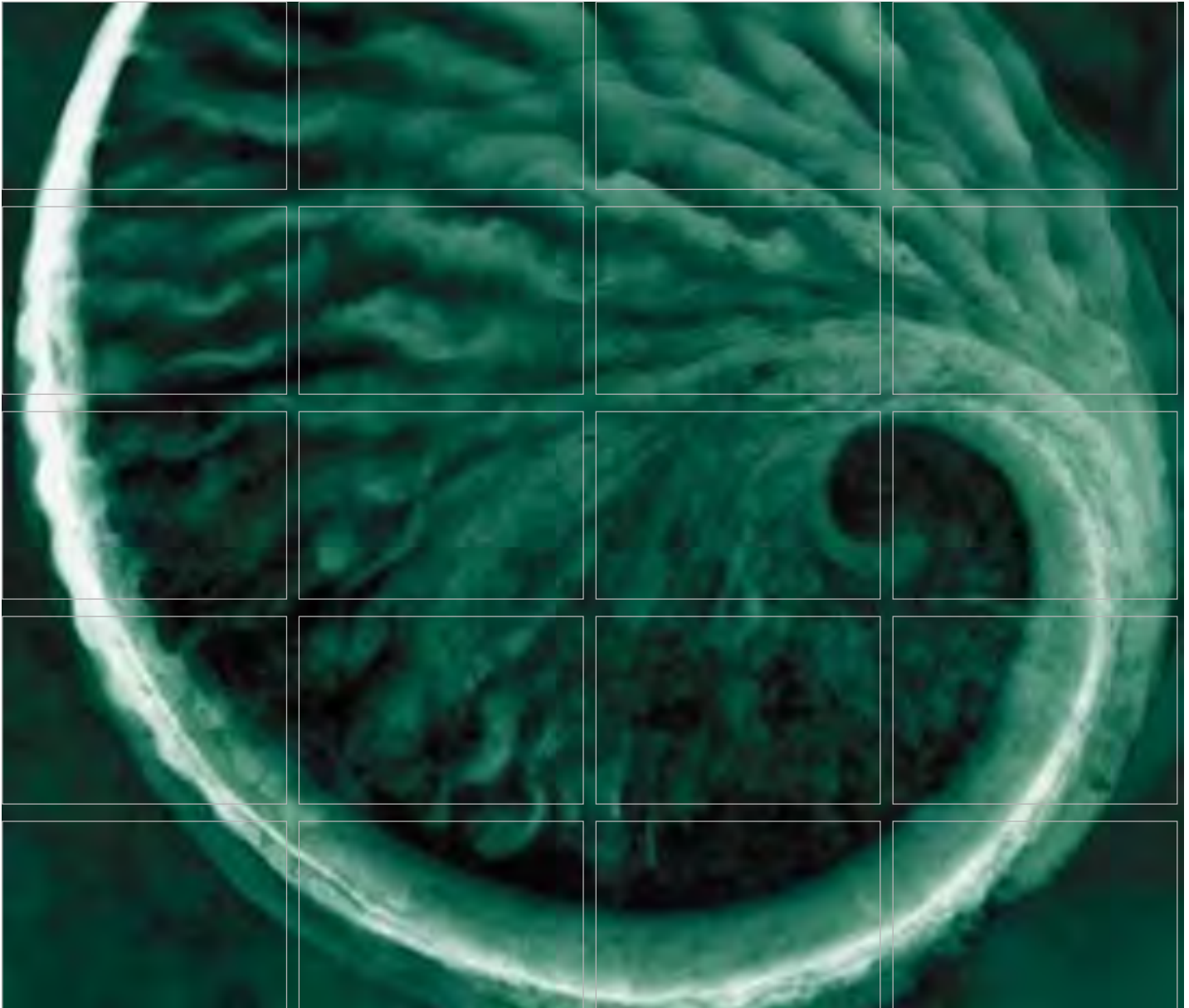
JCF residential well data are a select subset of known and verified well locations.

ESRI World Topographic Map

Exhibit C

EXHIBIT A CITY OF RANSON ROUTE 9 SEWER PROJECT VICINITY MAP





Application to Participate in Voluntary Remediation Program

*Jefferson Orchards, Inc.
365 Granny Smith Lane
Kearneysville, West Virginia*

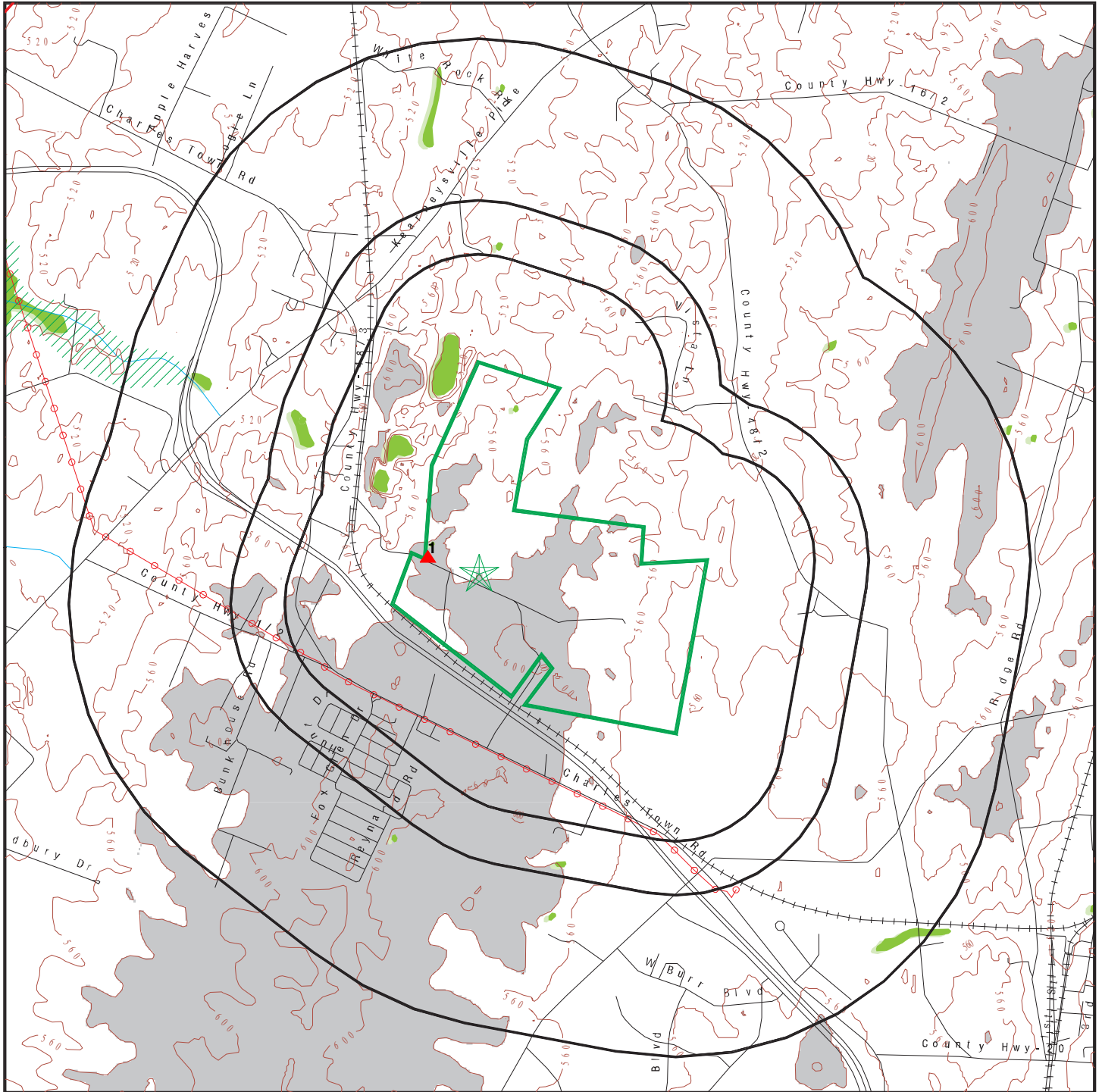
June 2017

Environmental Resources Management, Inc.
204 Chase Drive
Hurricane, West Virginia 25526
(304) 757-4777
www.erm.com

The business of sustainability



SECONDARY MAP - 4865892.9S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Contour Lines

County Boundary

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area



SITE NAME: Jefferson Orchard Inc.
ADDRESS: Northport Avenue
 Shenandoah Junction WV 25442
LAT/LONG: 39.375994 / 77.878059

CLIENT: ERM Mid-Atlantic
CONTACT: David Connelly
INQUIRY #: 4865892.9s
DATE: March 01, 2017 11:07 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A3	USGS40001303817	1/2 - 1 Mile SSW
4	USGS40001303892	1/2 - 1 Mile West
A8	USGS40001303823	1/2 - 1 Mile SW
B9	USGS40001303833	1/2 - 1 Mile SW
B10	USGS40001303828	1/2 - 1 Mile SW
C13	USGS40001303798	1/2 - 1 Mile SSW
C14	USGS40001303794	1/2 - 1 Mile SSW
15	USGS40001303865	1/2 - 1 Mile WSW
16	USGS40001303906	1/2 - 1 Mile WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

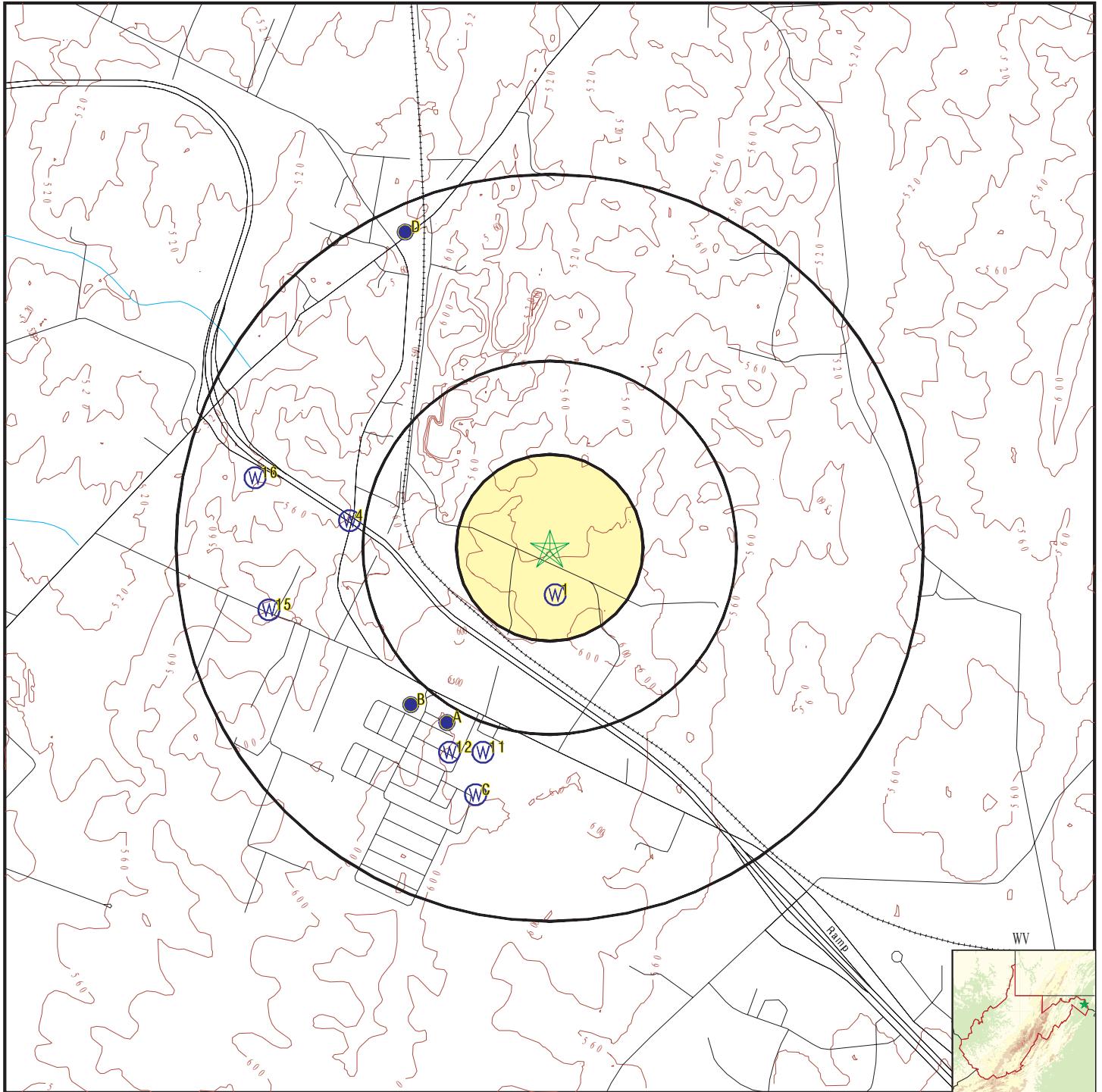
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
D17	WV9919064	1/2 - 1 Mile NNW

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	WVWELL1705	1/8 - 1/4 Mile South
A2	WVWELL0014	1/2 - 1 Mile SSW
A5	WVWELL0718	1/2 - 1 Mile SSW
B6	WVWELL0717	1/2 - 1 Mile SW
B7	WVWELL0716	1/2 - 1 Mile SW
11	WVWELL1709	1/2 - 1 Mile SSW
12	WVWELL1196	1/2 - 1 Mile SSW
D18	WVWELL1721	1/2 - 1 Mile NNW

PHYSICAL SETTING SOURCE MAP - 4865892.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Oil, gas or related wells



<p>SITE NAME: Jefferson Orchard Inc. ADDRESS: Northport Avenue Shenandoah Junction WV 25442 LAT/LONG: 39.375994 / 77.878059</p>	<p>CLIENT: ERM Mid-Atlantic CONTACT: David Connelly INQUIRY #: 4865892.2s DATE: March 01, 2017 10:22 am</p>
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
South
1/8 - 1/4 Mile
Higher

WV WELLS WVWELL1705

Id number:	723	Pwsid:	WV9919024
Sys name:	JEFFERSON ORCHARD LABOR CAMP		
Facility id:	565685		
Fac name:	WV9919024#01		
City:	KEARNEYSVILLE	County:	JEFFERSON
Act status:	A	Water type:	Groundwater
Owner type:	Private	Daily prod:	0
Sys popula:	25	Sys type:	Non Community
Latitude:	39.374167	Longitude:	-77.877778
Elevation:	0	Updated:	Not Reported
Wdate:	Not Reported		
Descriptio:	Not Reported		
User initi:	Not Reported	Gudi statu:	No
Sourcetype:	Karst	Whp radius:	2000
Prod gpd:	1250	Conv facto:	50
Calc pop:	25	Seasonbegi:	7/1/00
Season end:	10/31/00	Facility type:	Well

A2
SSW
1/2 - 1 Mile
Higher

WV WELLS WVWELL0014

Id number:	102	Pwsid:	WV3301908
Sys name:	FOX GLEN UTILITIES		
Facility id:	564067		
Fac name:	WELL #1		
City:	KEARNEYSVILLE	County:	JEFFERSON
Act status:	A	Water type:	Groundwater
Owner type:	Private	Daily prod:	0
Sys popula:	683	Sys type:	Community
Latitude:	39.369167	Longitude:	-77.882778
Elevation:	0	Updated:	Not Reported
Wdate:	Not Reported		
Descriptio:	Not Reported		
User initi:	Not Reported	Gudi statu:	No
Sourcetype:	Karst	Whp radius:	2000
Prod gpd:	0	Conv facto:	0
Calc pop:	0	Seasonbegi:	Not Reported
Season end:	Not Reported	Facility type:	Well

A3
SSW
1/2 - 1 Mile
Higher

FED USGS USGS40001303817

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-WV		
Formal name:	USGS West Virginia Water Science Center		
Monloc Identifier:	USGS-392208077525801		
Monloc name:	Jef-0477		
Monloc type:	Well		
Monloc desc:	Original station name was JP161		
Huc code:	02070004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.3689891
Longitude:	-77.8824959	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:	600.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Valley and Ridge aquifers		
Formation type:	Beekmantown Group		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	441
Welldepth units:	ft	Wellholedepth:	441
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

4
West
1/2 - 1 Mile
Lower

FED USGS USGS40001303892

Org. Identifier:	USGS-WV		
Formal name:	USGS West Virginia Water Science Center		
Monloc Identifier:	USGS-392237077531801		
Monloc name:	Jef-0375		
Monloc type:	Well		
Monloc desc:	Original station name was 2102005		
Huc code:	02070004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.3770446
Longitude:	-77.8880516	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	575.00
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Valley and Ridge aquifers		
Formation type:	Beekmantown Group		
Aquifer type:	Not Reported		
Construction date:	19230101	Welldepth:	170
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A5
SSW
1/2 - 1 Mile
Higher

WV WELLS VVWELL0718

Id number:	2028	Pwsid:	WV3301908
Sys name:	FOX GLEN UTILITIES		
Facility id:	564067		
Fac name:	WELL #5		
City:	KEARNEYSVILLE	County:	JEFFERSON
Act status:	A	Water type:	Groundwater
Owner type:	Private	Daily prod:	0
Sys popula:	683	Sys type:	Community
Latitude:	39.369444	Longitude:	-77.883611
Elevation:	0	Updated:	Not Reported
Wdate:	Not Reported		
Descriptio:	Not Reported		
User initi:	Not Reported	Gudi statu:	No
Sourcetype:	Karst	Whp radius:	2000
Prod gpd:	0	Conv facto:	0
Calc pop:	0	Seasonbegi:	Not Reported
Season end:	Not Reported	Facility type:	Well

B6
SW
1/2 - 1 Mile
Higher

WV WELLS VVWELL0717

Id number:	2027	Pwsid:	WV3301908
Sys name:	FOX GLEN UTILITIES		
Facility id:	564067		
Fac name:	WELL #4		
City:	KEARNEYSVILLE	County:	JEFFERSON
Act status:	A	Water type:	Groundwater
Owner type:	Private	Daily prod:	0
Sys popula:	683	Sys type:	Community
Latitude:	39.370278	Longitude:	-77.885278
Elevation:	0	Updated:	Not Reported
Wdate:	Not Reported		
Descriptio:	Not Reported		
User initi:	Not Reported	Gudi statu:	No
Sourcetype:	Karst	Whp radius:	2000
Prod gpd:	0	Conv facto:	0
Calc pop:	0	Seasonbegi:	Not Reported
Season end:	Not Reported	Facility type:	Well

B7
SW
1/2 - 1 Mile
Higher

WV WELLS VVWELL0716

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Id number:	2026	Pwsid:	WV3301908
Sys name:	FOX GLEN UTILITIES		
Facility id:	564067		
Fac name:	WELL #3		
City:	KEARNEYSVILLE	County:	JEFFERSON
Act status:	A	Water type:	Groundwater
Owner type:	Private	Daily prod:	0
Sys popula:	683	Sys type:	Community
Latitude:	39.37	Longitude:	-77.885
Elevation:	0	Updated:	Not Reported
Wdate:	Not Reported		
Descriptio:	Not Reported		
User initi:	Not Reported	Gudi statu:	No
Sourcetype:	Karst	Whp radius:	2000
Prod gpd:	0	Conv facto:	0
Calc pop:	0	Seasonbegi:	Not Reported
Season end:	Not Reported	Facility type:	Well

**A8
SW
1/2 - 1 Mile
Higher**

FED USGS USGS40001303823

Org. Identifier:	USGS-WV		
Formal name:	USGS West Virginia Water Science Center		
Monloc Identifier:	USGS-392209077530301		
Monloc name:	Jef-0478		
Monloc type:	Well		
Monloc desc:	Original station name was JP159		
Huc code:	02070004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.3692669
Longitude:	-77.8838849	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:	600.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Valley and Ridge aquifers		
Formation type:	Beekmantown Group		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	421
Welldepth units:	ft	Wellholedepth:	421
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**B9
SW
1/2 - 1 Mile
Higher**

FED USGS USGS40001303833

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-WV		
Formal name:	USGS West Virginia Water Science Center		
Monloc Identifier:	USGS-392211077530701		
Monloc name:	Jef-0491		
Monloc type:	Well		
Monloc desc:	Original station name was JP162		
Huc code:	02070004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.3698225
Longitude:	-77.884996	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:	600.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Valley and Ridge aquifers		
Formation type:	Beekmantown Group		
Aquifer type:	Not Reported		
Construction date:	19830101	Welldepth:	500
Welldepth units:	ft	Wellholedepth:	500
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**B10
SW
1/2 - 1 Mile
Higher**

FED USGS USGS40001303828

Org. Identifier:	USGS-WV		
Formal name:	USGS West Virginia Water Science Center		
Monloc Identifier:	USGS-392210077530601		
Monloc name:	Jef-0479		
Monloc type:	Well		
Monloc desc:	Original station name was JP158		
Huc code:	02070004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.3695447
Longitude:	-77.8847182	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:	600.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Valley and Ridge aquifers		
Formation type:	Beekmantown Group		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	403
Welldepth units:	ft	Wellholedepth:	403
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

11
SSW
1/2 - 1 Mile
Higher

WV WELLS WVWELL1709

Id number:	727	Pwsid:	WV9919031
Sys name:	NORTH JEFFERSON ELEMENTARY SCHOOL		
Facility id:	565692		
Fac name:	WELL #1		
City:	KEARNEYSVILLE	County:	JEFFERSON
Act status:	A	Water type:	Groundwater
Owner type:	Local	Daily prod:	0
Sys popula:	526	Sys type:	Non Transient Non Community
Latitude:	39.368056	Longitude:	-77.881389
Elevation:	0	Updated:	Not Reported
Wdate:	Not Reported		
Descriptio:	Not Reported		
User initi:	Not Reported	Gudi statu:	Not Reported
Sourcetype:	Karst	Whp radius:	2000
Prod gpd:	13150	Conv facto:	25
Calc pop:	526	Seasonbegi:	Not Reported
Season end:	Not Reported	Facility type:	Well

12
SSW
1/2 - 1 Mile
Higher

WV WELLS WVWELL1196

Id number:	2502	Pwsid:	WV3301908
Sys name:	FOX GLEN UTILITIES		
Facility id:	564067		
Fac name:	WELL 6		
City:	KEARNEYSVILLE	County:	JEFFERSON
Act status:	A	Water type:	Groundwater
Owner type:	Private	Daily prod:	0
Sys popula:	683	Sys type:	Community
Latitude:	39.368056	Longitude:	-77.883056
Elevation:	0	Updated:	Not Reported
Wdate:	Not Reported		
Descriptio:	Not Reported		
User initi:	Not Reported	Gudi statu:	No
Sourcetype:	Karst	Whp radius:	2000
Prod gpd:	0	Conv facto:	0
Calc pop:	0	Seasonbegi:	Not Reported
Season end:	Not Reported	Facility type:	Well

C13
SSW
1/2 - 1 Mile
Higher

FED USGS USGS40001303798

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-WV		
Formal name:	USGS West Virginia Water Science Center		
Monloc Identifier:	USGS-392159077525601		
Monloc name:	Jef-0476		
Monloc type:	Well		
Monloc desc:	Original station name was JP160		
Huc code:	02070004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.3664892
Longitude:	-77.8819404	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:	590.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Valley and Ridge aquifers		
Formation type:	Beekmantown Group		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	468
Welldepth units:	ft	Wellholedepth:	468
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

C14
SSW
1/2 - 1 Mile
Higher

FED USGS USGS40001303794

Org. Identifier:	USGS-WV		
Formal name:	USGS West Virginia Water Science Center		
Monloc Identifier:	USGS-392158077525301		
Monloc name:	Jef-0578		
Monloc type:	Well		
Monloc desc:	Orig staname Fox Glen Utilit. #5 well		
Huc code:	02070004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.3663417
Longitude:	-77.8815722	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	600
Vert measure units:	feet	Vertacc measure val:	010
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Valley and Ridge aquifers		
Formation type:	Conococheague Group		
Aquifer type:	Unconfined single aquifer		
Construction date:	19990319	Welldepth:	300
Welldepth units:	ft	Wellholedepth:	300
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

15
WSW **FED USGS** **USGS40001303865**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-WV		
Formal name:	USGS West Virginia Water Science Center		
Monloc Identifier:	USGS-392225077533201		
Monloc name:	Jef-0635		
Monloc type:	Well		
Monloc desc:	Jane Demoss		
Huc code:	02070004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.3735833
Longitude:	-77.8920833	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	574
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Global Positioning System		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Valley and Ridge aquifers		
Formation type:	Beekmantown Group		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	105
Welldepth units:	ft	Wellholedepth:	105
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

2004-04-20	43.08	

16
WNW **FED USGS** **USGS40001303906**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-WV		
Formal name:	USGS West Virginia Water Science Center		
Monloc Identifier:	USGS-392243077533501		
Monloc name:	Jef-0378		
Monloc type:	Well		
Monloc desc:	Original staname was 037176 HOLLIS-LOWMAN		
Huc code:	02070004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	39.3787112
Longitude:	-77.892774	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	540.00
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Valley and Ridge aquifers		
Formation type:	Beekmantown Group		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	65
Construction date:	Not Reported	Wellholeddepth:	Not Reported
Welldepth units:	ft		
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1974-09-19	29	

**D17
NNW
1/2 - 1 Mile
Lower**

FRDS PWS WV9919064

Epa region:	03	State:	WV
Pwsid:	WV9919064		
Pwsname:	JEFFERSON ORCHARD BAKERY		
City served:	Not Reported	State served:	WV
Zip served:	Not Reported	Fips county:	54037
Status:	Closed	Pop srvd:	25
Pwssvconn:	15	Source:	Groundwater
Pws type:	TNCWS	Owner:	Private
Contact:	JEFFERSON ORCHARD BAKERY		
Contact name:	Not Reported		
Contact phone:	304-725-9149	Contact address1:	PO BOX 700
Contact address2:	Not Reported	Contact city:	KEARNEYSVILLE
Contact state:	WV	Contact zip:	25430
Activity code:	I		

Location Information:

Name:	JEFFERSON ORCHARD BAKERY		
Pwstypcd:	TNCWS	Primsrccd:	GW
Popserved:	25		
Add1:	PO BOX 700		
Add2:	Not Reported		
City:	KEARNEYSVILLE	State:	WV
Zip:	25430	Phone:	304-725-9149
Cityserv:	Not Reported	Cntyserv:	Not Reported
Stateserv:	WV	Zipserv:	Not Reported

PWS ID:	WV9919064		
Date Initiated:	9108	Date Deactivated:	Not Reported
PWS Name:	JEFFERSON ORCHARD BAKERY		
	PO BOX 700		
	KEARNEYSVILLE, WV 25430		

Addressee / Facility: System Owner/Responsible Party
RONALD STONAKER
PO BOX 700
KEARNEYSVILLE, WV 25430

Facility Latitude:	39 23 17	Facility Longitude:	077 53 08
City Served:	Not Reported		
Treatment Class:	Untreated	Population:	00000025

Violations information not reported.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

ENFORCEMENT INFORMATION:

System Name:	JEFFERSON ORCHARD BAKERY		
Violation Type:	Monitoring, Regular		
Contaminant:	NITRATE		
Compliance Period:	1994-01-01 - 1994-12-31		
Violation ID:	9500808		
Enforcement Date:	1994-12-20	Enf. Action:	State Formal NOV Issued
System Name:	JEFFERSON ORCHARD BAKERY		
Violation Type:	Monitoring, Regular		
Contaminant:	NITRATE		
Compliance Period:	1994-01-01 - 1994-12-31		
Violation ID:	9500808		
Enforcement Date:	1994-12-20	Enf. Action:	State Public Notif Requested

**D18
NNW
1/2 - 1 Mile
Lower**

WV WELLS VVWELL1721

Id number:	741	Pwsid:	WV9919059
Sys name:	SHEETZ STORE #137		
Facility id:	565717		
Fac name:	WELL		
City:	Not Reported	County:	JEFFERSON
Act status:	A	Water type:	Groundwater
Owner type:	Private	Daily prod:	0
Sys popula:	750	Sys type:	Non Community
Latitude:	39.388333	Longitude:	-77.885278
Elevation:	0	Updated:	Not Reported
Wdate:	Not Reported		
Descriptio:	Not Reported		
User initi:	Not Reported	Gudi statu:	No
Sourcetype:	Karst	Whp radius:	2000
Prod gpd:	18750	Conv factio:	25
Calc pop:	750	Seasonbegi:	Not Reported
Season end:	Not Reported	Facility type:	Well



Well and Septic Information Request Form

Exhibit E

1948 Wiltshire Road Suite 1
Kearneysville, WV 25430

Email: JeffersonENV@wv.gov Fax: 304-728-3314

This form must be filled out completely – Incomplete forms will be returned.

There is a \$10.00 file search fee - per file

Please allow up to 72 business hours for your request to be processed.

Date: _____

Requester's Name: _____

Requester's Phone and Email: _____

Current Owner: _____

Previous Owner: _____

Physical Address: _____

Subdivision, Lot, and Section: _____

Most Current Deed Book Number: _____ Deed Page Number: _____

Number of Acreage: _____

Number of Bedrooms _____

Are You Requesting Perc Results? _____

Has there been a Dwelling on This Lot? _____ If Yes, Year Built? _____

Credit Card Payment:

Please note: We are unable to process American Express

Establishment/Card Holder Name: _____

Account # _____

Expiration Date: _____ Security Code: _____ Amount: **\$10.00 each**

Signature: _____