

June 2, 2017
2110268

Mr. Jason Berndt
Michigan Department of Environmental Quality
Resource Management Division
Community Drinking Water Unit
P.O. Box 30241
Lansing, MI 48909-7741

RE: Village of Vicksburg, Kalamazoo County, MI,
Wellhead Protection Grant, Quarterly Progress Report

Dear Mr. Berndt:

On behalf of the Village of Vicksburg, we are submitting the Progress Report for the third quarter. The quarterly report form and minutes are attached. Please contact me if you have any questions or need additional information.

Sincerely,

Prein&Newhof



Michael A. Schwartz, P.E.

MAS:ms

Enclosures: Progress Report
Minutes
Agenda (June 1, 2017)

cc: Tracy Locey, Village of Vicksburg (via email)



Wellhead Protection Grant Program

Quarterly Team Meeting Progress Report

A Quarterly Team Meeting Progress Report must be submitted once each quarter during the agreement period. To complete the report, **list the activities from Table 2: Grant Assistance Tabulation that were in progress during the quarter for which you are submitting the report.** Enter the completion date or the anticipated completion date of those activities as well as any comments that are relevant to the completion date. Please submit report to MDEQ.

Community: Village of Vicksburg

Date: 06/01/2017

Activity From Table 2 (located in the agreement)	Anticipated Completion Date	Comments
Quarterly Meetings (Consulting services)	09/30/2017	Quarterly meeting - agendas, minutes, quarterly reports, annual report, meeting attendance and coordination, etc. Copies of public information developed
Public Education (Consulting Services)	09/30/2017	Public education activities conducted throughout year. Receipts for promotional items purchased.
Contaminant Source Inventory (Consulting Services)	09/30/2017	Updated contaminant source inventory

Team Member Signatures:

Michael Schwartz
Jeff Reichert
Bill Brumleve
Stephen Goss
Michael Tichauer

Printed Name:

Michael Schwartz
Jeff Reichert
Bill Brumleve
Stephen Goss
Michael Tichauer

Michigan Department of Environmental Quality
Resource Management Division
Community Drinking Water Unit
Attention: Jason Berndt
P.O. Box 30241
Lansing Michigan 48909-7741

Village of Vicksburg
WELLHEAD PROTECTION PROGRAM
Team Meeting – June 1, 2017 (Quarter 3)

MINUTES

1. Wellhead Protection Team – Attendance and Team Members

Name	Organization	Email
<input checked="" type="checkbox"/> Michael Schwartz	Prein&Newhof	mschwartz@preinnewhof.com
<input type="checkbox"/> Jim Mallery	Village of Vicksburg - Manager	jmallery@vicksburgmi.org
<input checked="" type="checkbox"/> Jeff Reicherts	Kalamazoo County Health Department	JDREIC@kalcounty.com
<input type="checkbox"/> Thomas Fevig	Bridge Organics	thomasfevig@aol.com
<input checked="" type="checkbox"/> Steve Goss	Vicksburg Community Schools	sgoss@vicksburgschools.org
<input type="checkbox"/> Tracy Locey	Brady Township	tlocey@vicksburgmi.org
<input checked="" type="checkbox"/> Michael Tichvon	Angels Crossing Golf, Village	Tichvon12@hotmail.com
<input type="checkbox"/> Randy Schippers	Village DPW	<u>rschippers@vicksburgmi.org</u>
<input type="checkbox"/> Drik VanKrimpen	Sunset Lake Association	cobra1550@schtwp.org
<input checked="" type="checkbox"/> William Brumleve	Village Citizen	billbrumleve@hotmail.com
<input type="checkbox"/> Tracy McMillan	South County Fire Authority	<u>tcmillan@skcfa.org</u>
<input type="checkbox"/> Bill Hunts	Vicksburg – Planning Commission	<u>Hoots123@aol.com</u>
<input type="checkbox"/> Don Ulsh	Schoolcraft Township	dulsch@schtwp.org

Mr. Schwartz welcomed everyone to the meeting. Sign-in sheet was passed around for signatures along with an agenda (copy enclosed).

2. Grant Status – The current proposed grant was discussed

- Major section update – Contaminated source inventory (Chapter 3)
- Final Maps of the contaminated sources and report was discussed along with the list of sources. The list increased by approximately 13 new sites since it was last updated in 2012.
- P&N to update the 3-Ring binders (approximately 5) with updated chapter 3.
- New large maps of contaminated sites will be laminated for community events.
- Copy of revised Chapter 3 – Included with minutes

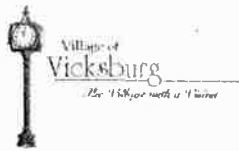
- 2017-2018 Grant – Village will apply for another year of grants. Discussed products and promotional material to purchase with grant to attract people to display tables. Discusses numerous items and will look at carabiners (re new supply), along with re-usable shopping bags and can coolers.
- Discussion is to request \$4,000 for promotional materials
- Group signed commitment forms. Tracy at the Village will obtain remaining signatures.

3. Public Education and Participation – the following items were outlined:

- Public Education Opportunities – 2017 Taste of Vicksburg – July 15th. Table with display will be used. Times of tent will be determined. Volunteers will be needed to staff table. A survey will likely be performed on public education.
- Public Education Opportunities – 2017 VCS Tailgate (fall) – September 8, 2017. Tent will be coordinated with Vicksburg Schools.
- Inform and involve community about wellhead protection – Village used website to highlighted household hazardous waste information.
- Village is now promoting Rain Barrel Sale, “Connect the Drops” and Kanoe the Kazoo. Copy of information is included with minutes
- Inform and involve community about wellhead protection – Newsletter Document (2) – Topic suggested to be new CSI maps and report
- Vicksburg Community Schools involvement (Red & White publication) – will work on publishing articles. Articles have been published
- Sunset Association Meeting – Date to be determined (June 7, 13, or 14). Material provided to Ron Smith for distribution at meeting. Materials included: “Septic Tanks – Why should I pump my tank”, Can my water softener discharge to my onsite sewage treatment system?”, and 4 page brochure , “Practical tips for home and yard”. Copy of information is included with minutes
- Jeff at Health Department to get trending results on the HHW use for the Village.

4. Next Meeting – All meetings at 11:45 am

- Thursday August 31, 2017 (Quarter 4)



Protect Your Water

The Village of Vicksburg is committed to providing a safe water system. Click on the links below for further information and learn how you can Protect Your Water.



Other Areas of Interest in Kalamazoo County:

New class offered in Kalamazoo on how to design and build your own rain garden (<http://kalamazooriver.org/MRG>) – image attached

"Connecting the Drops" is a community film competition about our connection to water. The competition and screening is aimed at raising awareness of the importance and perils of water from storm to stream. We're excited to partner with Public Media Network on this stormwater education project. Deadline to enter is July 31, 2017. More information at <http://kalamazooriver.org/connectingthedrops/>

An annual event since 2003, Kanoe the Kazoo and its many hosts work together to offer guided paddle trips along the Kalamazoo River, tributary streams, and local inland lakes to area citizens. Our mission is to introduce residents and visitors to the beauty and recreational opportunities in our own backyard. This year we are excited to announce many fun and unique paddle trips from May – September. Check out the roster below for specific information on each paddle trip. Grab your kayak or canoe and join us on the river this summer! (Schedule and additional information available at <http://kalamazooriver.org/events/kanoe-the-kazoo/>)

The More You Know...

Abandoned Wells (How to Identify and What To Do): Abandoned Wells

A Citizen's Guide to Auto & Boat Care: A Citizen Guide for Boat and Auto Care

A Citizen's Guide to Native Landscaping: A Citizen Guide for Native Landscaping

A Citizen's Guide to Cold Weather Practices A Citizen Guide for Cold Weather Practices

A Citizen's Guide to Stormwater A Citizen Guide to Stormwater

Consumer Confidence Drinking Water Quality Report: CCR 2013; CCR2014; CCR 2015

Household Hazardous Waste: Citizens Guide to Household Hazardous Waste

Household Hazardous Waste (How to Dispose of Items): Dispose of Household Waste – Updated October 2014

Illicit Discharge Educational Information: KzoWater Illicit Discharge Brochure 2013

Storm Water Pollution Prevention Initiative: Storm Water Prevention Initiative Final Report August 2012

Wellhead Protection Program Plan: 2012-09 Vicksburg Wellhead Protection Plan

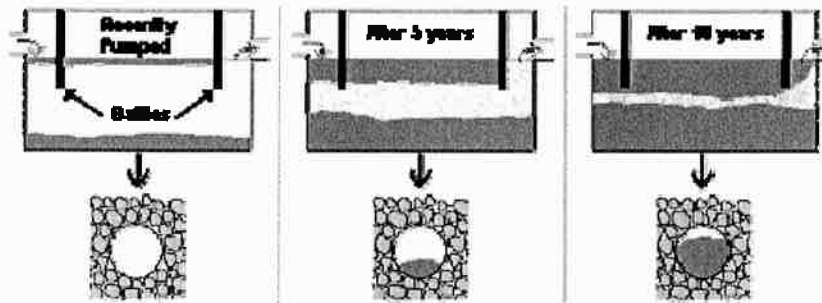
Wellhead Protection Area Map: WHP Area Map

Wellhead Protection 2016-2017 Program

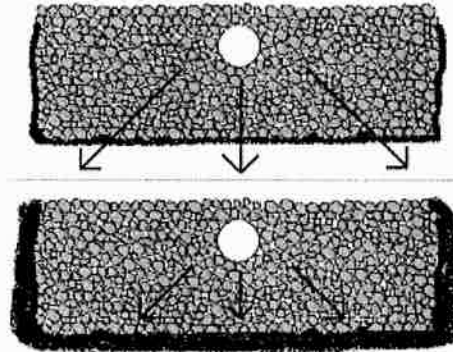


SEPTIC TANKS – WHY SHOULD I PUMP MY TANK?

The picture below is a side view of a septic tank depicting solids accumulating in the tank through the course of several years. Below the tanks are cross-sections of septic field pipe with blockages forming due to a tank that is not pumped out often enough.



An additional concern with onsite sewage treatment systems is the build up of biomat in the soil. Biomat consists of microorganisms and their waste products. It forms where the absorption system stone and soil contact each other. A small amount of biomat is normal; however, if the wastewater contains excessive amounts of solids, then the organisms in the biomat will feed on the increased amount of nutrients and the layer will thicken. As the biomat thickens, the flow of water out of the absorption area will slow. Eventually the wastewater will surface on the ground. To protect the onsite sewage treatment system against excessive sludge, pump the tank every 2 to 3 years.

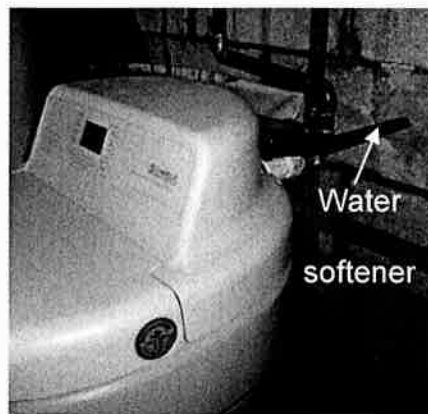


Photos and information courtesy of DuPage County Health Department:
http://www.dupagehealth.org/ehs/ws/fs/sds_care.asp

CAN MY WATER SOFTENER DISCHARGE TO MY ONSITE SEWAGE TREATMENT SYSTEM?

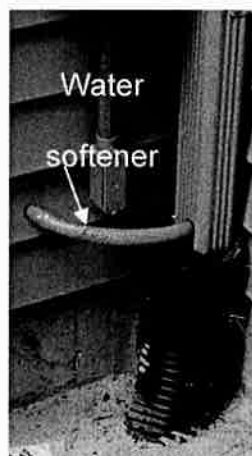
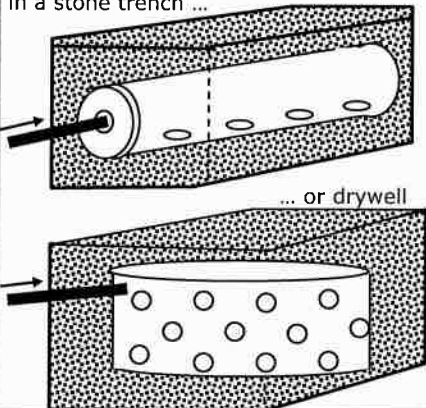
Water from a recharging water softener should avoid the onsite sewage treatment system to decrease the volume and salinity of the liquid treated by the onsite sewage treatment system. Preferred methods for managing water softener discharge include:

- constructing a subsurface, tile trench using a perforated pipe surrounded by stone or other similar aggregate
- draining the discharge on the surface of the ground, away from the area of the onsite sewage treatment system, although the salty water may kill grass or leave an iron stain
- connecting the water softener discharge to its own drywell, separate from the onsite sewage treatment system



Alternate methods for water softener discharge

Water softener discharged to an approximately 10-foot perforated pipe in a stone trench ...



An air gap protects your water supply

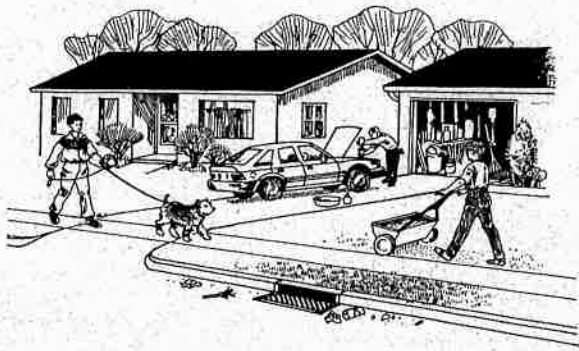


connection for
water softener
discharge line

air "gap"

connection to sewer
line

Although not recommended, salt-rich water from a recharging water softener may be discharged to an onsite sewage treatment system. However, using a sanitary **air gap** prevents a potential back-up of sewage from contaminating the water supply through the softener's discharge hose. Diverting water softener discharge from entering the septic tank is most preferred.



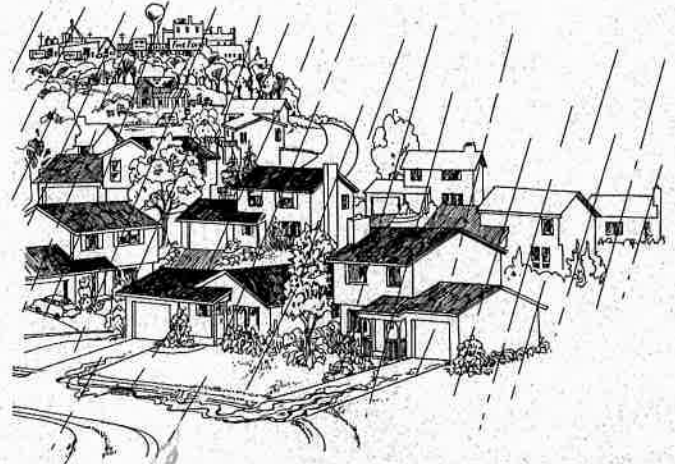
PRACTICAL TIPS FOR HOME AND YARD

TO IMPROVE WATER QUALITY

It's an unfortunate fact of life — many of our streams and lakes have been polluted. It may be a surprise, however, to learn that water pollution often starts right where you live.

Water pollution begins when development alters the natural environment. Removing vegetation and replacing it with streets, rooftops and driveways greatly decreases the amount of water soaking into the soil. As a consequence, the amount of water running off to streams and lakes increases dramatically.

How does rainwater get from street to stream? Nearly every city street has storm sewer inlets, which open into a network of underground pipes. These storm sewers *do not* go to a sewage treatment plant but flow *directly* to streams and lakes. Most storm sewer systems are designed to remove water quickly during a storm. This allows pollutants to reach streams and lakes at a rapid pace. Rainwater can also move over the land to the nearest stream or lake, picking up pollutants on its way.



It all adds up. Pollutants washed into storm sewers from dozens of streets and hundreds of homes can become major problems for streams and lakes.

Where do these pollutants come from and how do they affect our streams and lakes?

Soil, or sediment, can come from wherever there is bare soil. When it rains, the soil is carried to the nearest stream or lake. The sediment can:

- cover the gravel on the bottom of the stream that the fish use for spawning;
- cover the gravel that provides habitat for aquatic insects, which provide food for fish;
- when suspended in the water, block light needed for aquatic plants to grow;
- carry other substances, such as fertilizers or pesticides to the water.

Nutrients, mainly phosphorus and nitrogen, can come from many sources. Fertilizers, pet waste, improperly functioning septic tanks, grass clippings, leaves and other yard wastes are all sources of nutrients. Certain levels of nutrients naturally occur in our waters. When more nutrients are added, excessive algae and other aquatic plants grow.

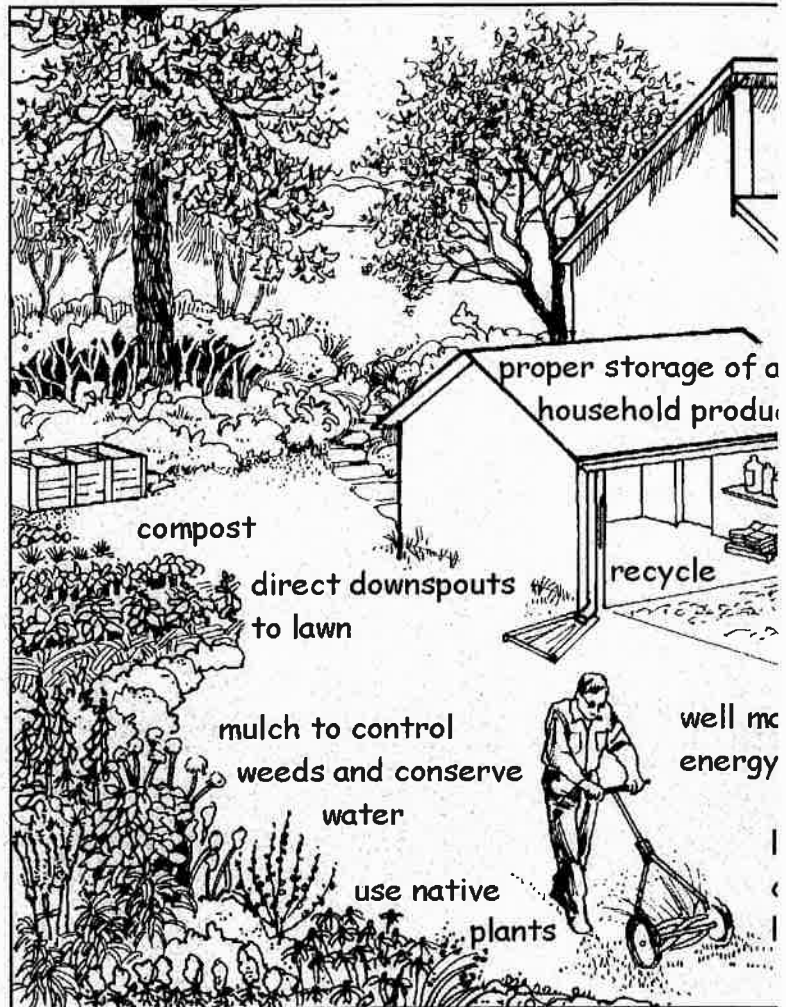
Many products used in and around the home contain toxic ingredients. Household cleaners, paints, pesticides and automotive products such as oil, gas and antifreeze can all be toxic to aquatic plants and animals.



It really doesn't matter whether you live in the city or small . . . whether you have a lot of money to invest in our streams and lakes. Here are some ways you can

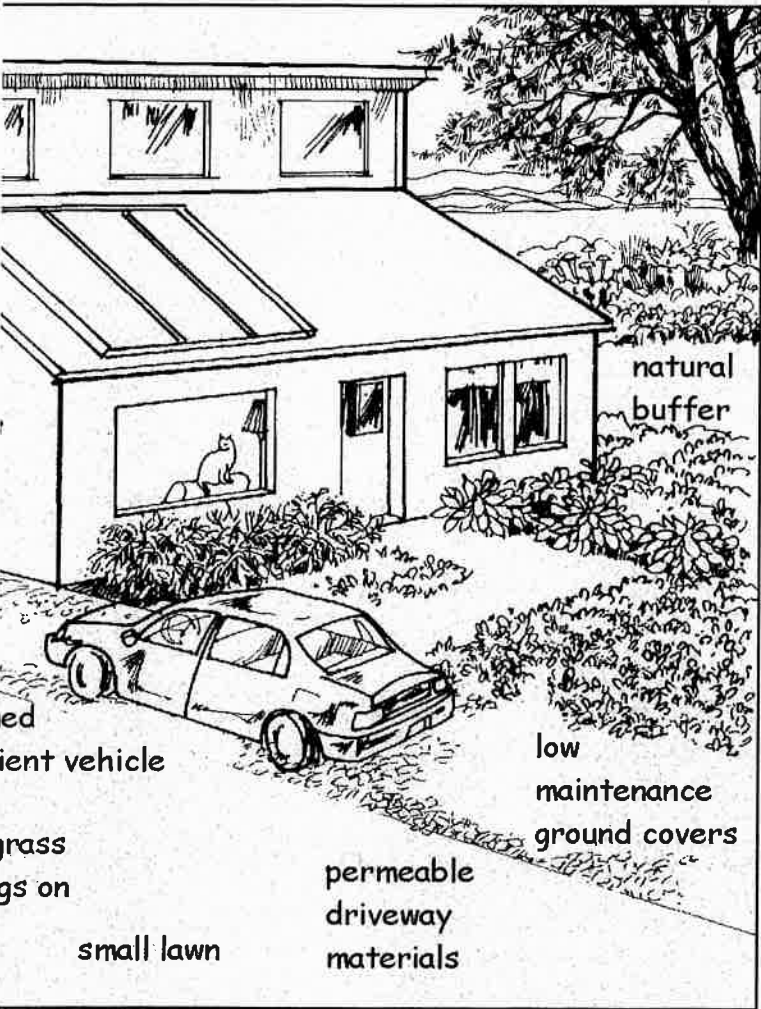
Yard Care

- 💧 Leave grass clippings on your lawn. They will decompose, providing nitrogen for your lawn.
- 💧 Compost leaves and other yard trimmings. Compost will gradually release nutrients to your lawn, and helps retain moisture in the soil.
- 💧 Keep grass clippings and leaves away from storm drains, ditches, lakes, and streams.
- 💧 Keep your grass at least three inches high. Taller grass has deeper roots, so it tolerates dry conditions.
- 💧 Allow thick vegetation such as trees, shrubs and groundcover to grow along waterways to slow rainwater runoff and soak up pollutants.
- 💧 Select plants that have low requirements for water, fertilizers, and pesticides. Native plants that are adapted to local conditions are best.
- 💧 Animal wastes contain nutrients as well as bacteria. Pick up after your pets and dispose of the wastes in the toilet, or bury it in your yard.
- 💧 Maintain or create vegetated low areas, or swales, near the roads and other areas where rainwater collects to allow it to soak into the ground.
- 💧 Direct gutters and downspouts to vegetated or gravel areas to allow the rainwater to soak into the ground. Splash blocks also help reduce erosion.
- 💧 Use permeable paving surfaces such as wood decks, bricks, or interlocking stones to let rainwater soak into the ground.
- 💧 Seed bare soil and cover it with mulch as soon as possible. Install and maintain adequate soil erosion control measures any time soils are exposed.
- 💧 Use low or no phosphorus fertilizers, especially near water.



- 💧 Use non-chemical methods to eliminate insects and other pests.
- 💧 Test your soil before applying fertilizer. Some soils already contain enough phosphorus for plant growth.
- 💧 Do not apply fertilizers or pesticides before or during rain, or near a river, lake or drainage ditch.
- 💧 Use slow release fertilizers on sandy soils or steep slopes where the potential for runoff is high.
- 💧 Calibrate your applicator before applying pesticides or fertilizers. As equipment ages, annual adjustments may be needed.

ne country . . . whether your home is large or
your yard or just a little. You can help protect
elp.



Hazardous Household Products

- Store all potentially polluting materials inside or under cover.
- Take prevention and containment measures for leaks and spills from outdoor storage tanks, and during refueling.
- Do not wash paintbrushes, scrub buckets, rags, etc. onto the ground or into a storm drain.

Septic System Care

- Inspect your septic system annually.
- Pump out your septic system every three to five years for a three-bedroom house with a 1,000-gallon tank. Smaller tanks should be pumped more often.
- Use household chemicals sparingly. Some may kill the bacteria which break down the waste in your septic system.
- Know the location of your septic drainfield. Keep vehicles off it. Don't plant trees and shrubs close by. Don't cover the drainfield with a hard surface such as concrete, asphalt, or decks.
- Use less water to avoid overloading your septic system.
- Use your kitchen garbage disposal sparingly. Heavy use adds large amounts of solids, which shorten the time between septic tank pumpings.

Vehicle Care

- Wash cars, boats and other vehicles on the lawn so the water can soak into the ground.
- Use little or no detergent to wash your vehicle. High pressure washing reduces the need for soap and reduces the amount of water needed.
- Keep cars tuned up and in good operating condition. Check for drips and repair leaks immediately to keep oils off the pavement.
- Sweep paved areas instead of hosing them down.
- Use kitty litter or other adsorbent material on oil or other leaks, and dispose of it in a waste container.
- Recycle used motor oil by taking it to a service station or local recycling center. Do not dump used motor oil down storm drains or on the ground.



Community Action

- 💧 Get involved in storm drain stenciling activities. Stenciling reminds people to keep pollutants away from storm drains.
- 💧 Participate in clean-up activities near your local waterway.
- 💧 Write or call your elected representatives to express your concerns and encourage legislation to protect water resources.
- 💧 Get involved in local planning and zoning decisions and stormwater management plans.
- 💧 Encourage your local officials to develop erosion and sediment control ordinances.
- 💧 Promote environmental education. Help educate people in your community about how they can help protect water quality. Get your community groups involved.

Do Your Part!!!

To learn more about nonpoint source pollution and what can be done to protect our water resources, contact a Department of Environmental Quality Nonpoint Source staff member at one of the following locations:

Cadillac District Office
231-775-3960

Grand Rapids District Office
616-356-0500

Jackson District Office
517-780-7690

Kalamazoo District Office
269-567-3500

Lansing District Office
517-335-6010

Lansing Nonpoint Source Unit
517-335-1180

Saginaw Bay District Office
989-686-8025

S.E. Michigan District Office
734-953-8905

Upper Peninsula District Office
906-346-8300

Adapted with permission from the University of Wisconsin-Extension (UWEX) and the Wisconsin Department of Natural Resources

Michigan Department of Environmental Quality
Water Division
Jennifer M. Granholm, Governor
Steven E. Chester, Director

www.michigan.gov/deq
1-800-662-9278



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DEQ Michigan Department of Environmental Quality

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Chapter 3 – Contaminant Source Inventory

Village of Vicksburg

Wellhead Protection Plan

May 2017

2110268

I. CONTAMINANT SOURCE INVENTORY

Prein&Newhof conducted an inventory of potential contaminant sources in the study area including the Village of Vicksburg and parts of Schoolcraft Township and Brady Township in Kalamazoo County, Michigan. The approximate study area encompasses Sections 9 – 16, and 21 -28 of T04S, R11W and Sections 7, 8, 17-20, 29 and 30 of T04S, R10W. The following databases were used to locate sites within this area:

National Priority List (Superfund)
CERCLIS – Comprehensive Environmental Response, Compensation, and Liability Information System
Facility Index System
Toxic Chemical Release Inventory System
Toxic Substances Control Act
Emergency Response Notification System (ERNS)
State Hazardous Waste Sites, Act 307 (Part 201) sites
Hazardous waste generators (RCRA small and large quantity generators)
RCRA TSD – Transportation, Storage, and Disposal Facilities for Hazardous Waste Landfills
State of Michigan LUST Sites – Leaking Underground Storage Tanks
State of Michigan UST's – Underground Storage Tanks
State of Michigan Waste Data System
State of Michigan Oil and Gas Well Permits
National Pollutant Discharge Elimination System (NPDES) permits
Groundwater Discharge Permits

In addition to the database search, local knowledge of potential contamination sites was incorporated. The sites identified are listed in the accompanying table and are mapped on the enclosed figure.

Although several sites in the databases were identified in the study area, most were located outside of the delineated wellhead protection area. The sites outside the wellhead protection area consisted of underground storage tank (UST) sites both open and closed where no reported releases have occurred, leaking underground storage tank (LUST) sites both open and closed,

hazardous waste handlers listed in the EPA Resource Conservation and Recovery Act Information (RCRAInfo) database and/or in the MDEQ Waste Data System (WDS), State of Michigan Part 201 sites of environmental cleanup, and sites listed in the Toxic Release Inventory (TRI) database. There are several sites where a known release of contamination has occurred, some of these sites have achieved “closure” from regulatory agencies, and several are open contaminated sites. Multiple sites are noted in the “Comments” column of the Contaminant Source Inventory table as “Remediation Services”. These sites are known or suspected methamphetamine bust sites. In general, these sites are not considered a significant risk. Their current status is listed in the table, when known.

There were 14 sites located inside the wellhead protection area. The sites consisted of Michigan Part 211 Active and Closed underground storage tank sites, sites listed in the EPA Resource Conservation and Recovery Act Information database as being handlers of hazardous waste, and sites in the Toxics Release Inventory database.

There were three sites inside the wellhead protection area that are listed as Closed UST sites (Sites 16, 19, and 21). At each of these sites, the underground fuel tanks that were in place have been removed and there is no report of a release at any of these locations. There is one site that is an Active UST site (Site 14). There are two, 1,000 gallon diesel tanks at this site. There are three sites which are hazardous waste handlers Sites 43, 44, and 45), but no reported releases have occurred at these sites. Site 44, Summit Polymers, is a hazardous waste handler that also reports on release of toxic chemicals due to release of methyl ethyl ketone to the atmosphere. There were no reported releases to land or water from this site, but unspecified violations under RCRA were reported. The remaining sites (Sites 66, 67, 70, 72, 85, 86 and 87) are Liquid

Figures

Contaminant Inventory Maps

Village of Vicksburg

Kalamazoo County, Michigan

Wellhead Protection Plan

May 2017



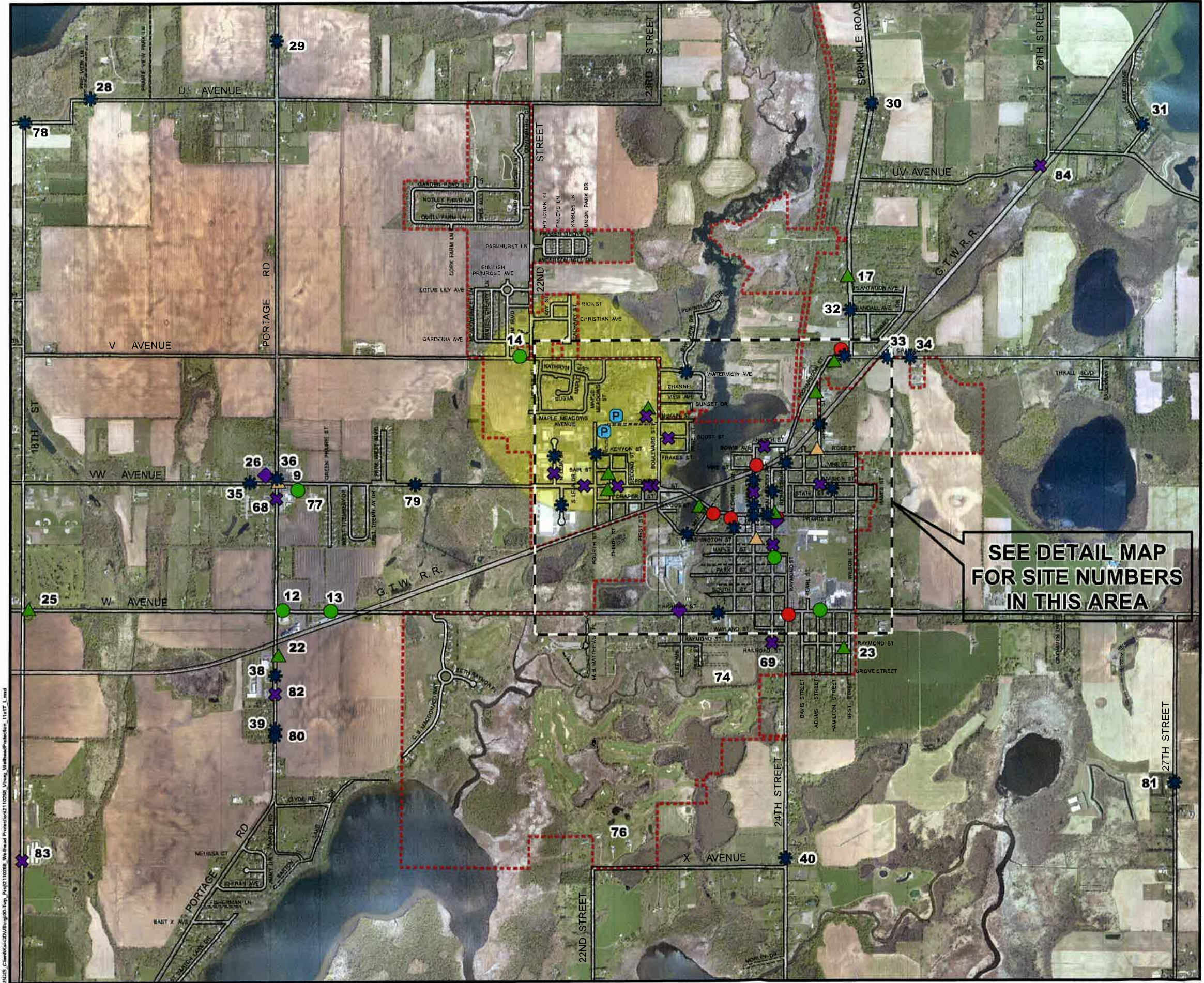
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1 inch = 2,000 feet

LEGEND

- Wellhead Delineation Area
- Village Boundary
- Production Wells
- LUST - Active
- LUST - Closed
- Part 211 - Active Tanks
- Part 211 - Closed Tanks
- MI Part 201 Site
- EPA Sites
- MDEQ WDS Site

SEE DETAIL MAP
FOR SITE NUMBERS
IN THIS AREA



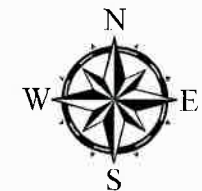
Village of Vicksburg

Kalamazoo County, Michigan

Wellhead Protection Plan

- Detail Area -

May 2017

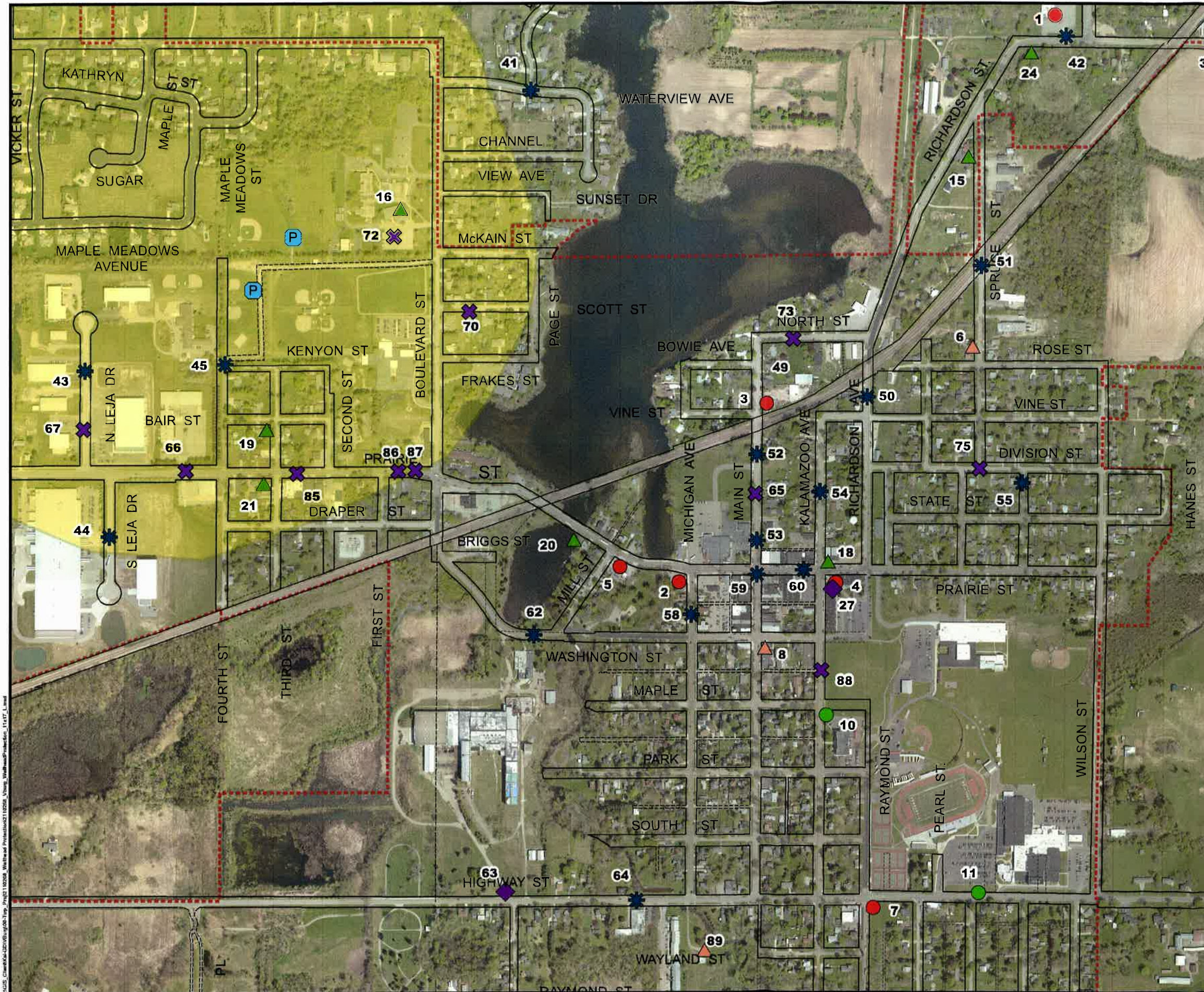


0 600 1,200 Ft

1 inch = 600 feet

LEGEND

- Wellhead Delineation Area
- Village Boundary
- Production Wells
- LUST - Active
- LUST - Closed
- Part 211 - Active Tanks
- Part 211 - Closed Tanks
- MI Part 201 Site
- EPA Sites
- MDEQ WDS Site



Table

Contaminant Inventory Table

**VILLAGE OF VICKSBURG
WELLHEAD PROTECTION PLAN**

CONTAMINANT SOURCE INVENTORY

Map ID	Name & Address	Why it is a Potential Source	Source of Information	Risk Category	Status	Comments
1	Express Mart 5205 East V Avenue Vicksburg, MI 49097	LUST MDEQ WDS	Database Search	2	Open LUST Site	1 UST removed from ground, 3 USTs in use, gasoline release, Notice of migration
2	Hiemstras Sunoco/Fred's Total 200 W Prairie St Vicksburg, MI 49097	LUST RCRAINFO CESQG MAPID-5 MDEQ WDS	Database Search	2	Open LUST Site	6 USTs removed from ground, gasoline release and "unknown" release
3	Vicksburg Dept. Of Public Works 210 N Main St Vicksburg, MI 49097	LUST RCRAINFO MDEQ WDS	Database Search	2	Open LUST Site	3 USTs removed from ground, gasoline and diesel release
4	Vicksburg Pontiac Sales 200 E Prairie St Vicksburg, MI 49097	LUST LAND USE RESTRICTION MDEQ WDS	Database Search	2	Open LUST Site	2 USTs removed from ground, used oil and "other" release
5	Speedway #6615 223 W Prairie St Vicksburg, MI 49097	LUST RCRAINFO CESQG MDEQ WDS	Database Search	2	Open LUST Site	2 USTs removed from ground, 4 USTs currently in use, diesel release
6	Ackerman Oil Co 507 N Spruce St Vicksburg, MI 49097	LUST LAND USE RESTRICTION	Database Search	2	Closed LUST Site	Diesel release, 1 UST removed from ground, closed with deed restrictions
7	Vicksburg Shell 601 S Richardson St Vicksburg, MI 49097	LUST WDS	Database Search	2	Open LUST Site	1 UST removed from ground, 6 USTs currently in use

**VILLAGE OF VICKSBURG
WELLHEAD PROTECTION PLAN**

CONTAMINANT SOURCE INVENTORY

Map ID	Name & Address	Why it is a Potential Source	Source of Information	Risk Category	Status	Comments
8	California Toning 201 S Main St Vicksburg, MI 49097	LUST	Database Search	2	Closed LUST Site	1 UST removed from ground
9	Simmons Ford Inc 13485 Portage Rd Vicksburg, MI 49097	LUST RCRAINFO	Database Search	2	Closed LUST Site	Used oil release, 1 UST removed from ground
10	Vicksburg PS/Bus Garage Hobart St Vicksburg, MI 49097	UST MDEQ WDS	Database Search	4	Active UST	3 USTs removed from ground, 1 UST in use; Liquid Industrial Waste Generator
11	Vicksburg High School 501 E Highway St Vicksburg, MI 49097	UST MDEQ-MDS	Database Search	4	Active UST	2 USTs temporarily out of use
12	Kiwi & Co 1646 E W Ave Vicksburg, MI 49097	UST	Database Search	4	Active UST	2 USTs currently in use
13	Max Ulrich 2194 E W Ave Vicksburg, MI 49097	UST	Database Search	4	Active UST	1 UST currently in use
14	Max Ulrich 2195 E V Ave Vicksburg, MI 49097	UST	Database Search	3	Active UST	2 USTs currently in use
15	Brady Township Hall 13123 S 24TH St Vicksburg, MI 49097	UST	Database Search	4	Closed UST	1 UST removed from ground

**VILLAGE OF VICKSBURG
WELLHEAD PROTECTION PLAN**

CONTAMINANT SOURCE INVENTORY

Map ID	Name & Address	Why it is a Potential Source	Source of Information	Risk Category	Status	Comments
16	Bronson Vicksburg Hospital 13326 N Boulevard St Vicksburg, MI 49097	UST MDEQ WDS	Database Search	3	Closed UST	1 UST removed from ground Liquid Industrial Waste Generator
17	C.m. Simmons Excavating Co 12692 Sprinkle Rd Vicksburg, MI 49097	UST	Database Search	4	Closed UST	3 USTs removed from ground
18	Clifford Raifsnider/R&D Auto Sv 201 E Prairie St Vicksburg, MI 49097	UST MDEQ WDS	Database Search	4	Closed UST	5 USTs removed from ground
19	Donald Ely 115 N 3rd St Vicksburg, MI 49097	UST RCRAINFO CESQG MDEQ WDS	Database Search	3	Closed UST	1 UST removed from ground
20	DTK Real Estate LLC/Cole Chevy 343 W Prairie St Vicksburg, MI 49097	UST RCRAINFO MDEQ WDS CESQG	Database Search	4	Closed UST	5 USTs removed from ground
21	Gerald D Lash 709 W Prairie St Vicksburg, MI 49097	UST RCRAINFO MDEQ WDS	Database Search	3	Closed UST	2 USTs removed from ground
22	H & H Feed & Grain 14093 Portage Rd Vicksburg, MI 49097	UST MDEQ WDS	Database Search	4	Closed UST	2 USTs removed from ground

**VILLAGE OF VICKSBURG
WELLHEAD PROTECTION PLAN**

CONTAMINANT SOURCE INVENTORY

Map ID	Name & Address	Why it is a Potential Source	Source of Information	Risk Category	Status	Comments
23	Midway Molds 702 E Raymond Rd Vicksburg, MI 49097	UST	Database Search	4	Closed UST	3 USTs removed from ground
24	Pat Hjertos (hetrick) 5216 E V Ave Vicksburg, MI 49097	UST MDEQ WDS	Database Search	4	Closed UST	1 UST closed in ground
25	States Golf Course 20 E W Ave Vicksburg, MI 49097	UST	Database Search	4	Closed UST	1 UST removed from ground
26	B & L Auto Center 13432 Portage Road Vicksburg, MI 49097	PART 201 SITE MDEQ WDS	Database Search	2	Inactive	Benzene; Ethylbenzene; iron, lead, Toluene; Xylenes contamination. No actions taken to address contamination
27	Vicksburg Laundry & Dry Cleaners 110 Harding Court Vicksburg, MI 49097	PART 201 SITE MDEQ WDS	Database Search	2	Part 201	Benzene; Ethylbenzene; PCE; Xylenes
28	Michigan State Police 400 E U Avenue Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	Remediation Services, Suspected methamphetamine bust or traffic accident site, not in Kalamazoo County HD list of Methamphetamine Bust properties

**VILLAGE OF VICKSBURG
WELLHEAD PROTECTION PLAN**

CONTAMINANT SOURCE INVENTORY

Map ID	Name & Address	Why it is a Potential Source	Source of Information	Risk Category	Status	Comments
29	Mark Harsha Residence 11817 Portage Rd Vicksburg, MI 49097	RCRAINFO CESQG MDEQ WDS	Database Search	4	No Known Contamination	Remediation Services, Suspected methamphetamine bust or traffic accident site, not in Kalamazoo County HD list of Methamphetamine Bust properties
30	County of Kalamazoo Sheriff 12000 Sprinkle Dr Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	Remediation Services, Suspected methamphetamine bust or traffic accident site, not in Kalamazoo County HD list of Methamphetamine Bust properties
31	City of Kalamazoo 12100 W Indian Lake Dr Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	Remediation Services, Methamphetamine bust at a home on 9/11/08. Status from Kalamazoo County Health Department is "Cleaned".
32	Jaworski Chiropractic Healthcare 12840 Sprinkle Dr Vicksburg, MI 49097	RCRAINFO CESQG MDEQ WDS	Database Search	4	No Known Contamination	
33	Stewart Sutherland Inc 5411 E V Avenue Vicksburg, MI 49097	RCRAINFO TRIS MDEQ WDS	Database Search	4	No Known Contamination	TRI Reporter
34	Schultz MFG Co 5500 E V Avenue Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	

**VILLAGE OF VICKSBURG
WELLHEAD PROTECTION PLAN**

CONTAMINANT SOURCE INVENTORY

Map ID	Name & Address	Why it is a Potential Source	Source of Information	Risk Category	Status	Comments
35	County of Kalamazoo Sherriff 1424 E VW Avenue Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	Remediation Services, Suspected methamphetamine bust or traffic accident site, not in Kalamazoo County HD list of Methamphetamine Bust properties
36	Vicksburg Chrysler Plymouth 13475 Portage Rd Vicksburg, MI 49097	RCRAINFO CESQG MDEQ WDS	Database Search	4	No Known Contamination	
37						Duplicate – See No. 9
38	Triple S Plastics 14300 Portage Rd Vicksburg, MI 49097	RCRAINFO CESQG MDEQ WDS	Database Search	4	No Known Contamination	
39	City of Kalamazoo 14462 Portage Rd Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	Remediation Services - Methamphetamine bust outdoors on 10/22/08. Status from Kalamazoo County Health Department is “No action needed”.
40	City of Kalamazoo 14963 S 24th St Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	Remediation Services - Methamphetamine bust in outbuilding on 6/05/08. Status from Kalamazoo County Health Department is “No action needed”.

**VILLAGE OF VICKSBURG
WELLHEAD PROTECTION PLAN**

CONTAMINANT SOURCE INVENTORY

Map ID	Name & Address	Why it is a Potential Source	Source of Information	Risk Category	Status	Comments
41	County of Kalamazoo Sherriff 12397 Bayview Dr Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	Remediation Services - Methamphetamine bust at a house on 2/12/07. Kalamazoo County Health Department - "Cleaned".
42	Rental House 5216 E V Avenue Vicksburg, MI 49097	RCRAINFO	Database Search	4	No Known Contamination	
43	Kepco Inc 145 N Leja Dr Vicksburg, MI 49097	RCRAINFO LQG TRIS MDEQ WDS	Database Search	3	No Known Contamination	TRI Reporter
44	Summit Polymers 115 S. Leja Dr Vicksburg, MI 49097	RCRAINFO LQG TRIS MDEQ WDS	Database Search	3	No Known Contamination	TRI Reporter RCRA Violations Reported
45	A and O Mold and Engineering 301 N 4 th St Vicksburg, MI 49097	RCRAINFO CESQG MDEQ WDS	Database Search	3	No Known Contamination	
46						Duplicate – See No. 19
47						Duplicate – See No. 21
48						Duplicate – See No. 20
49						Duplicate – See No. 3

VILLAGE OF VICKSBURG
WELLHEAD PROTECTION PLAN

CONTAMINANT SOURCE INVENTORY

Map ID	Name & Address	Why it is a Potential Source	Source of Information	Risk Category	Status	Comments
50	Michigan State Police 207 N Richardson Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	Remediation Services - Methamphetamine bust in outbuilding on 3/18/08. Status from Kalamazoo County Health Department is "Cleaned".
51	Associated Applications Inc 514 N Spruce St Vicksburg, MI 49097	RCRAINFO CESQG MDEQ WDS	Database Search	4	No Known Contamination	
52	City of Kalamazoo 152 N Main Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	Remediation Services - Methamphetamine bust in apartment on 6/23/10. Status from Kalamazoo County Health Department is "Condemned".
53	Ameritech Corp 120 N Main St Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	
54	Village of Vicksburg Hall 126 N Kalamazoo St #A Vicksburg, MI 49097	PCS NPDES	Database Search	4	No Known Contamination	Enforcement Action
55	Co of Kalamazoo Sherriff 208 Elm St Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	Remediation services - Methamphetamine bust in house on 7/16/09. Status from Kalamazoo County Health Department is "No action needed".

**VILLAGE OF VICKSBURG
WELLHEAD PROTECTION PLAN**

CONTAMINANT SOURCE INVENTORY

Map ID	Name & Address	Why it is a Potential Source	Source of Information	Risk Category	Status	Comments
56						Duplicate – See No. 5
57						Duplicate – See No. 2
58	City of Kalamazoo 116 S Michigan Ave Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination, inactive	Remediation services - Methamphetamine bust in house on 9/14/09. Status from Kalamazoo County Health Department is “No action needed”.
59	Country Printing and Graphics 109 S Main St Vicksburg, MI 49097	RCRAINFO CESQG	Database Search	4	No Known Contamination	
60	Frederick Construction 123 E Prairie St Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	
61						Duplicate – See No. 18
62	Bridge Organics Co 311 W Washington Vicksburg, MI 49097	RCRAINFO LQG MDEQ WDS	Database Search	4	No Known Contamination	Hazardous waste biennial reporter, no violations
63	Fox River Paper Company 300 W. Highway St. Vicksburg, MI 49097	PART 201 SITE RCRAINFO TRIS MDEQ WDS	Database Search	2		Formal Enforcement Action 1998 Releases to Land, Notice of migration
64	Houghton Mfg 213 W Highway St Vicksburg, MI 49097	RCRAINFO SQG MDEQ WDS	Database Search	4	No Known Contamination	

**VILLAGE OF VICKSBURG
WELLHEAD PROTECTION PLAN**

CONTAMINANT SOURCE INVENTORY

Map ID	Name & Address	Why it is a Potential Source	Source of Information	Risk Category	Status	Comments
65	Hardings Market 151 ½ N. Main Vicksburg, MI 49097	MDEQ WDS	Database Search	4	No Known Contamination	Liquid Industrial Waste Generator
66	Victor Plastics 820 W Prairie St Vicksburg, MI 49097	MDEQ WDS	Database Search	3	No Known Contamination	Liquid Industrial Waste Generator
67	Beacon Tool 111 N Leja Dr Vicksburg, MI 49097	MDEQ WDS	Database Search	3	No Known Contamination	Liquid Industrial Waste Generator
68	Vicksburg Classic Cars 13562 Portage Rd Vicksburg, MI 49097	MDEQ WDS	Database Search	4	No Known Contamination	Liquid Industrial Waste Generator
69	Schmidt Grinding 202 E Raymond St Vicksburg, MI 49097	MDEQ WDS	Database Search	4	No Known Contamination	Liquid Industrial Waste Generator
70	Howard Mears 208 N Boulevard Vicksburg, MI 49097	MDEQ WDS	Database Search	3	No Known Contamination	Liquid Industrial Waste Generator
71						Duplicate – See No. 10
72	Rambling Road Pediatrics 13324 N Boulevard Vicksburg, MI 49097	MDEQ WDS	Database Search	3	No Known Contamination	Liquid Industrial Waste Generator

**VILLAGE OF VICKSBURG
WELLHEAD PROTECTION PLAN**

CONTAMINANT SOURCE INVENTORY

Map ID	Name & Address	Why it is a Potential Source	Source of Information	Risk Category	Status	Comments
73	Vicksburg Tune and Trim Shop 132 North Street Vicksburg, MI 49097	MDEQ WDS	Database Search	4	No Known Contamination	Liquid Industrial Waste Generator
74	Abandoned WWTP Sludge Impoundment Area		Wellhead Committee	4	No Known Contamination	
75	Kalamazoo Oil Co Spruce and Division Vicksburg, MI 49097	MDEQ WDS	Database Search	4	No Known Contamination	Liquid Industrial Waste Generator
76	Angels Crossing Golf Course 3600 E W Avenue Vicksburg, MI 49097	AST	Wellhead Committee	4	No Known Contamination	
77	Farmland Equip., Inc. 1728 E VW Ave Vicksburg, MI 49097	UST MDEQ WDS	Database Search	4	Active UST	1 UST currently in use
78	County of Kalamazoo Sherriff 18 th St. & West U Ave. Vicksburg, MI 49097	RCRAINFO	Database Search	4	No Known Contamination	Remediation Services, Suspected methamphetamine bust or traffic accident site, not in Kalamazoo County HD list of Methamphetamine Bust properties
79	County of Kalamazoo Sherriff 2474 E VW Ave. Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	Remediation Services, Suspected methamphetamine bust or traffic accident site, not in Kalamazoo County HD list of Methamphetamine Bust properties

**VILLAGE OF VICKSBURG
WELLHEAD PROTECTION PLAN**

CONTAMINANT SOURCE INVENTORY

Map ID	Name & Address	Why it is a Potential Source	Source of Information	Risk Category	Status	Comments
80	Kalamazoo Valley Enforcement 14500 Portage Rd. Vicksburg, MI 49097	RCRAINFO MDEQ WDS	Database Search	4	No Known Contamination	Remediation Services, Suspected methamphetamine bust or traffic accident site, not in Kalamazoo County HD list of Methamphetamine Bust properties
81	Payla Meadows LLC-CAFO 14570 27 th St. Vicksburg, MI 49097	NPDES	Database Search	4	No Known Contamination	Permit Expired 2015
82	Triple S Plastics 14320 Portage Rd. Vicksburg, MI 49097	MDEQ WDS	Database Search	4	No Known Contamination	Liquid industrial waste generator
83	Schoolcraft Egg Inc. 14981 S. 18 th Street Vicksburg, MI 49097	MDEQ WDS	Database Search	4	No Known Contamination	Chicken Egg Production
84	County of Kalamazoo Sheriff UV Ave Vicksburg, MI 49097	MDEQ WDS	Database Search	4	No Known Contamination	Remediation services – Methamphetamine lab.
85	Beacon Tool 625 W. Prairie St. Vicksburg, MI 49097	MDEQ WDS	Database Search	3	No Known Contamination	Liquid Industrial Waste Generator
86	Kay Molding 2615 W. Prairie St. Vicksburg, MI 49097	MDEQ WDS	Database Search	3	No Known Contamination	Liquid Industrial Waste Generator

VILLAGE OF VICKSBURG WELLHEAD PROTECTION PLAN

CONTAMINANT SOURCE INVENTORY

Map ID	Name & Address	Why it is a Potential Source	Source of Information	Risk Category	Status	Comments
87	Heimstras Automotive 402 W. Prairie St. Vicksburg, MI 49097	MDEQ WDS	Database Search	3	No Known Contamination	Liquid Industrial Waste Generator
88	Specialty Farms 24 th Avenue Vicksburg, MI 49097	MDEQ WDS	Database Search	4	No Known Contamination	Liquid Industrial Waste Generator
89	Village of Vicksburg 199 W. Hwy St. Vicksburg, MI 49097	LUST	Database Search	2	Closed LUST Site	Diesel release, 1 UST removed from ground.

LIST OF ACRONYMS USED

AIRS Aeromatic Information Retrieval System
 AST Above ground storage tank
 BTEX Organic compounds benzene, toluene, ethylbenzene and xylene isomers
 CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System.
 CERC-NFRAP CERCLIS sites designated as No Further Remedial Action Planned.
 CESQG Conditionally Exempt Small Quantity Generator under RCRIS
 DOCKET Enforcement docket used to manage and track information on civil judicial enforcement cases for all environmental statutes.
 FINDS Facility Index System (EPA)
 ICIS Integrated Compliance Information System (EPA)
 LPG Light phase gas
 LQG Large Quantity Generator under RCRIS
 LUST Leaking underground storage tank system
 MDEQ Michigan Department of Environmental Quality
 NPDES National Pollutant Discharge Elimination System
 NPL National Priority List (Superfund)
 RCRIS Resource Conservation and Recovery Information System

VILLAGE OF VICKSBURG WELLHEAD PROTECTION PLAN

CONTAMINANT SOURCE INVENTORY

RCRAINFO	
SQG	Resource Conservation and Recovery Act Information
STD	Small Quantity Generator under RCRIS
TRI	Storage tank division of the MDEQ
UST	Toxic Release Inventory System
SHWS	Underground storage tank registered with the State of Michigan.
WDS	State Hazardous Waste Site
	Waste Data System

EXPLANATION OF RISK CATEGORY USED

1. Site inside wellhead protection area with known contamination.
2. Site outside of wellhead protection area with known contamination.
3. Site inside wellhead protection area with no known contamination.
4. Site outside of wellhead protection area with no known contamination.

Appendix A

Abandoned Well Plugging Records

Abandoned Well Plugging Record

Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.



Import ID:

Tax No:	Permit No:	County: Kalamazoo		Township: Schoolcraft	
Well ID: 39000015048		Town/Range: 04S 11W	Section: 14	WSSN:	Source ID/Well No:
		Distance and Direction from Road Intersection: 100 FT. EAST OF TREMBLAY			
		Well Owner: SAM COOPER			
		Well Address: 13623 TREMBLAY SCHOOLCRAFT, MI 49087		Owner Address: 13623 TREMBLAY SCHOOLCRAFT, MI 49087	
		Measurement Method:			

Date of Well Plugging: 5/15/2000	Well Use: Household	Casing Status after Plugging: 1.00 ft. above grade
Well Construction Type: Unknown	Date Well Constructed:	Reason for Abandoning Well: Other
		Abandonment Method: Unknown
		Drilling Record:
Casing Type: Steel - galvanized		Pumping Equipment Removed: Yes
Diameter: 1.25 in. to 20.00 ft. depth		Equipment Removed: Unknown
Measured Well Depth: 20 ft. Well Diameter:		

Note: Cutting casing off 4 feet below grade is recommended.

[illegible]**Plugging Remarks:**

Note: Plugging from well bottom up to ground surface is required.

[illegible]



Abandoned Well Plugging Record

Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.



Import ID:

Tax No:	Permit No:	County: Kalamazoo	Township: Schoolcraft	
Well ID: 39000015265 Elevation: 846 ft. Latitude: 42.09727775 Longitude: -85.57216667 Measurement Method: Address Matching-House Number		Town/Range: 04S 11W	Section: 27	
		WSSN:		Source ID/Well No:
		Distance and Direction from Road Intersection: 100 FEET S OF XY AVE, 30 FEET W OF FISHERMANS LANE		
		Well Owner: LESTER & ARLEEN PARSONS		
Well Address: 1242 FISHERMANS LANE VICKSBURG, MI 49087		Owner Address: 1242 FISHERMANS LANE VICKSBURG, MI 49087		

Date of Well Plugging: 2/7/2001	Well Use: Household	Casing Status after Plugging: 4.00 ft. below grade
Well Construction Type: Unknown	Date Well Constructed:	Reason for Abandoning Well: Well no longer needed
Casing Type: Steel - unknown Diameter: 2.00 in. to 21.00 ft. depth		Abandonment Method: Unknown
		Drilling Record:
		Pumping Equipment Removed: Yes
		Equipment Removed: Unknown
Measured Well Depth: 21 ft. Well Diameter:		

Note: Cutting casing off 4 feet below grade is recommended.

Plugging Material	From (ft)	To (ft)	Quantity	Quantity Unit
Neat cement	0.00	21.00	2.00	Bags

Plugging Remarks:

Note: Plugging from well bottom up to ground surface is required.

Certification: Unknown Registration No: Registered Contractor:	Business Name: LESTER & ARLENE PARSONS Address:
Remarks:	Water Well Contractor's Certification This well was plugged under my supervision and this report is true to the best of my knowledge and belief.
	Signature of Registered Contractor Date





Abandoned Well Plugging Record

Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.



Import ID:

Tax No:	Permit No:	County: Kalamazoo	Township: Schoolcraft
Well ID: 39000015823 Elevation: Latitude: Longitude: Measurement Method:		Town/Range: 04S 11W	Section: 13
		Distance and Direction from Road Intersection: AT SITE OF TEST HOLE #2, WHICH IS 30' SOUTH AND WEST OF WELL #9 WELL 11	
		Well Owner: FOX RIVER PAPER COMPANY	
		Well Address:	Owner Address: 300 WEST HIGHWAY STREET VICKSBURG, MI 49097

Date of Well Plugging: 7/11/2001	Well Use: Type II public	Casing Status after Plugging: 2.00 ft. below grade
Well Construction Type: Unknown	Date Well Constructed:	Reason for Abandoning Well: Well no longer needed
Casing Type: Steel - unknown Diameter: 10.00 in. to 50.90 ft. depth		Abandonment Method: Unknown
		Drilling Record:
		Pumping Equipment Removed: Yes
		Equipment Removed: Unknown
Measured Well Depth: 70.9 ft. Well Diameter:		

Note: Cutting casing off 4 feet below grade is recommended.

Plugging Material	From (ft)	To (ft)	Quantity	Quantity Unit
Bentonite slurry	70.90	50.90	15.00	Bags
Neat cement	50.90	2.00	21.00	Bags

Plugging Remarks:

Note: Plugging from well bottom up to ground surface is required.

Certification: Water Well Drilling Contractor Registration No: 34-2097 Registered Contractor:	Business Name: PEERLESS-MIDWEST, INC. Address:
Remarks:	Water Well Contractor's Certification This well was plugged under my supervision and this report is true to the best of my knowledge and belief.
	Signature of Registered Contractor Date

Abandoned Well Plugging Record

Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.



Import ID:

Tax No:	Permit No:	County: Kalamazoo	Township: Schoolcraft		
Well ID: 39000016227		Town/Range: 04S 11W	Section: 16	WSSN:	Source ID/Well No:
		Distance and Direction from Road Intersection: 75' S. OF E. VW			
		Well Owner: JIM BYAS			
		Well Address: 554 E. VW SCHOOLCRAFT, MI 49097	Owner Address: 554 E. VW SCHOOLCRAFT, MI 49097		
Elevation:					
Latitude:					
Longitude:					
Measurement Method:					

Date of Well Plugging: 5/21/2000	Well Use: Household	Casing Status after Plugging: 1.00 ft. above grade
Well Construction Type: Unknown	Date Well Constructed:	Reason for Abandoning Well: Well no longer needed
Casing Type: Steel - unknown Diameter: 1.25 in. to		Abandonment Method: Unknown Drilling Record:
		Pumping Equipment Removed: Yes Equipment Removed: Unknown
Measured Well Depth:	Well Diameter:	

Note: Cutting casing off 4 feet below grade is recommended.

[illegible]**Plugging Remarks:**

Note: Plugging from well bottom up to ground surface is required.

[illegible]



Abandoned Well Plugging Record

Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.



Import ID:

Tax No:	Permit No:	County: Kalamazoo	Township: Schoolcraft	
Well ID: 39000016295 Elevation: Latitude: Longitude: Measurement Method:		Town/Range: 04S 11W	Section: 13	
		WSSN:		Source ID/Well No:
		Distance and Direction from Road Intersection: 300' W. OF BOULEVARD ST., 250' S. OF RR TRACKS		
		Well Owner: FOX RIVER PAPER		
Well Address: MI		Owner Address: VICKSBURG, MI		

Date of Well Plugging: 10/18/2001	Well Use: Type II public	Casing Status after Plugging: 2.00 ft. below grade
Well Construction Type: Unknown	Date Well Constructed:	Reason for Abandoning Well: Well no longer needed
Casing Type: Steel - unknown		Abandonment Method: Pumped through grout pipe
Diameter: 9999.00 in. to		Drilling Record:
		Pumping Equipment Removed: Yes
		Equipment Removed: Drop pipe
Measured Well Depth: 78 ft. Well Diameter:		

Note: Cutting casing off 4 feet below grade is recommended.

Plugging Material	From (ft)	To (ft)	Quantity	Quantity Unit
Neat cement	2.00	78.00	48.00	Bags

Plugging Remarks:

Note: Plugging from well bottom up to ground surface is required.

Certification: Water Well Drilling Contractor Registration No: 34-2097 Registered Contractor:	Business Name: PEERLESS-MIDWEST, INC. Address:
Remarks:	Water Well Contractor's Certification This well was plugged under my supervision and this report is true to the best of my knowledge and belief.
	Signature of Registered Contractor Date



Completion is required under authority of Part 127 Act 368 PA 1978.
Failure to comply is a misdemeanor.

<p>Remarks:</p> <p>Equipment Removed: REMOVED JET PUMP AND TANK</p> <p>Coordinate Source: Google Well address geocoding</p>	<p align="center">Water Well Contractor's Certification</p> <p>This well was plugged under my supervision and this report is true to the best of my knowledge and belief.</p> <div style="display: flex; justify-content: space-between;"> Signature of Registered Contractor Date </div>
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Completion is required under authority of Part 127 Act 368 PA 1978.
Failure to comply is a misdemeanor.

Contractor 2/22/2005 9:01 AM



Abandoned Well Plugging Record

Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.



Import ID:

Tax No:	Permit No:	County: Kalamazoo	Township: Schoolcraft	
Well ID: 39000017265 Elevation: Latitude: Longitude: Measurement Method:		Town/Range: 04S 11W	Section: 23	
		WSSN:		Source ID/Well No:
		Distance and Direction from Road Intersection: E. of Portage Rd.		
		Well Owner: Todd Batts		
		Well Address: 14879 Baron Lake Drive Schoolcraft, MI 49087	Owner Address: 14879 Baron Lake Drive Schoolcraft, MI 49087	

Date of Well Plugging: 5/25/2005	Well Use: Household	Casing Status after Plugging: 3.00 ft. below grade
Well Construction Type: Unknown	Date Well Constructed:	Reason for Abandoning Well: Well in disrepair
Casing Type: Steel - black		Abandonment Method: Poured from surface
Diameter: 2.00 in. to 43.00 ft. depth		Drilling Record:
		Pumping Equipment Removed: Yes
		Equipment Removed: Drop pipe
Measured Well Depth: 43 ft. Well Diameter:		

Note: Cutting casing off 4 feet below grade is recommended.

Plugging Material	From (ft)	To (ft)	Quantity	Quantity Unit
Bentonite chips/pellets	0.00	43.00	2.00	Bags

Plugging Remarks:

Note: Plugging from well bottom up to ground surface is required.

Certification: Water Well Drilling Contractor Registration No: 80-0112 Registered Contractor: Richard Slevatz	Business Name: Earl Sanders & Son Inc. Address: 72819 M-40 Highway Lawton, MI 49065
Remarks:	Water Well Contractor's Certification This well was plugged under my supervision and this report is true to the best of my knowledge and belief.
	Signature of Registered Contractor Date



Abandoned Well Plugging Record

Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.



Import ID:

Tax No:	Permit No:	County: Kalamazoo	Township: Schoolcraft
Well ID: 39000018106 Elevation: Latitude: 42.12029 Longitude: -85.5623 Measurement Method: GPS Std Positioning Svc SA Off		Town/Range: 04S 11W	Section: 14
		WSSN:	Source ID/Well No: 390000009871
		Distance and Direction from Road Intersection: N. of W Ave.	
		Well Owner: Shauna Phillips	
		Well Address: 13572 E. Tremblay Vicksburg, MI 49097	Owner Address: 13572 E. Tremblay Vicksburg, MI 49097

Date of Well Plugging: 3/29/2006	Well Use: Household	Casing Status after Plugging: 3.00 ft. below grade
Well Construction Type: Other	Date Well Constructed:	Reason for Abandoning Well: Well in disrepair
Casing Type: Steel - black Diameter: 1.25 in. to 30.00 ft. depth		Abandonment Method: Poured from surface
		Drilling Record:
		Pumping Equipment Removed: No
		Equipment Removed:
Measured Well Depth: 30 ft. Well Diameter:		

Note: Cutting casing off 4 feet below grade is recommended.

Plugging Material	From (ft)	To (ft)	Quantity	Quantity Unit
Bentonite chips/pellets	0.00	30.00	1.00	Bags

Plugging Remarks:

Note: Plugging from well bottom up to ground surface is required.

Certification: Water Well Drilling Contractor Registration No: 80-0112 Registered Contractor: Richard Slevatz	Business Name: Earl Sanders & Son Inc. Address: 72819 M-40 Highway Lawton, MI 49065
Remarks: Well Construction Type: hand driven	Water Well Contractor's Certification This well was plugged under my supervision and this report is true to the best of my knowledge and belief. Signature of Registered Contractor Date



Abandoned Well Plugging Record

Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.



Import ID:

Tax No:	Permit No:	County: Kalamazoo	Township: Schoolcraft
Well ID: 39000018116 Elevation: Latitude: Longitude: Measurement Method:	Town/Range: 04S 11W	Section: 9	WSSN:
	Source ID/Well No:		
	Distance and Direction from Road Intersection:		
	Well Owner: KEITH LOCKWOOD		
Well Address: 12882 SOUTH 18TH ST. VICKSBURG, MI 49097		Owner Address: 12882 SOUTH 18TH ST. VICKSBURG, MI 49097	

Date of Well Plugging: 9/24/2005	Well Use: Household	Casing Status after Plugging: 0.50 ft. above grade
Well Construction Type: Unknown	Date Well Constructed:	Reason for Abandoning Well: Well no longer needed
Casing Type: Steel - unknown Diameter: 1.25 in. to		Abandonment Method: Unknown
Measured Well Depth: 30 ft. Well Diameter:		Drilling Record:
		Pumping Equipment Removed: Yes
		Equipment Removed: Unknown

Note: Cutting casing off 4 feet below grade is recommended.

Plugging Material	From (ft)	To (ft)	Quantity	Quantity Unit
Bentonite chips/pellets	0.00	19.00	0.25	Bags

Plugging Remarks:

Note: Plugging from well bottom up to ground surface is required.

Certification: Unknown Registration No: Registered Contractor:	Business Name: Address:
Remarks:	Water Well Contractor's Certification This well was plugged under my supervision and this report is true to the best of my knowledge and belief.
	Signature of Registered Contractor Date

Abandoned Well Plugging Record

Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.



Import ID:

Tax No:		Permit No:		County: Kalamazoo		Township: Schoolcraft	
<div style="font-size: 2em; font-weight: bold; margin-bottom: 10px;">Well ID: 39000020437</div> <div> Elevation: Latitude: 42.11438 Longitude: -85.58836 Measurement Method: GPS Std Positioning Svc SA Off </div>				Town/Range: 04S 11W		Section: 16	
				WSSN:		Source ID/Well No:	
				Distance and Direction from Road Intersection: North west corner of 18th street and W Avenue			
				Well Owner: States Golf Course			
				Well Address: 20 1/2 East W Avenue Vicksburg, MI 49097		Owner Address: 50 East W Avenue Vicksburg, MI 49097	

Date of Well Plugging: 9/2/2011	Well Use: Household	Casing Status after Plugging: 4.00 ft. below grade
Well Construction Type: Sand/Gravel Well	Date Well Constructed:	Reason for Abandoning Well: Well in disrepair
Casing Type: Steel - black Diameter: 4.00 in. to 35.00 ft. depth		Abandonment Method: Poured from surface
Measured Well Depth: 35 ft. Well Diameter: 4 in.		Drilling Record:
		Pumping Equipment Removed: No Equipment Removed:

Note: Cutting casing off 4 feet below grade is recommended.

[illegible]**Plugging Remarks:**

Note: Plugging from well bottom up to ground surface is required.

Certification: Water Well Drilling Contractor Registration No: 75-1794 Registered Contractor: Richard Clark Remarks:	Business Name: Clark Well Drilling Address: 26344 M-60 Mendon, MI 49072 <p align="center">Water Well Contractor's Certification</p> <p>This well was plugged under my supervision and I hereby certify that the work complies with Part 127 Act 368 PA 1978 and the well code.</p> <div> <div>Signature of Registered Contractor</div> <div>Date</div> </div>
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Village of Vicksburg
WELLHEAD PROTECTION PROGRAM
June 1, 2017 (Quarter 3)

AGENDA

- 1. Wellhead Protection Team – Introductions**
 - Circulate Sign-In Sheet
- 2. Grant Status**
 - 2016-2017 Grant
 - Public Education –
 - Major section update – Contaminated source inventory
 - 2017-2018 Grant
 - Sign Forms
- 3. Public Education and Participation**
 - Public Education Opportunities – 2017 Taste of Vicksburg – July?
 - Public Education Opportunities – 2017 VCS Tailgate (fall) – September 8, 2017
 - Inform and involve community about wellhead protection – Newsletter Document – Village used website to highlighted household hazardous waste information.
 - Village is now promoting Rain Barrel Sale, “Connect the Drops” and Kanoe the Kazoo.
 - Inform and involve community about wellhead protection – Newsletter Document – suggest new CSI maps and report
 - Vicksburg Community Schools involvement (Red & White publication)
 - Sunset Association Meeting – Wednesday June 7th at 6:00 at Sunset Lake Park Pavilion
- 4. Next Meeting – All meetings at 11:45 am**
 - Thursday August 31, 2017 (Quarter 4)