

Public Water Supply
Source Water Assessment
For
Selbyville Water Department

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Sussex County, Delaware



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Introduction

In 1974, the United States Congress passed the Safe Drinking Water Act (SDWA). This Act is to protect public health by regulating the nation's public drinking water supply (EPA, 1974). Amendments to the SDWA passed in 1996 required each State to complete a Source Water Assessment for each public drinking water system (EPA, 1997). The United States Environmental Protection Agency (EPA) approved Delaware's Source Water Assessment Plan in October 1999.

The Delaware's Citizens Technical Advisory Committee (CTAC) developed the Delaware's Source Water Assessment Plan (SWAP). The committee is composed of scientists, water industry professionals, conservation groups, government agencies, and interested citizens.

The EPA mandates that an Assessment be available to the public. The purpose of this document is to provide information to help drinking-water system operators identify the potential threats to their drinking water supply and work to protect these drinking water sources.

The Assessment includes four maps:

- 1) The Base Map shows the location of the system and each well.
 - 2) The Delineation Map shows the boundaries of the well's source water area. The source of the well's water is called the wellhead protection area(s).
 - 3) The Discrete Source Map identifies the location of the sources of known contaminants within the wellhead protection area.
 - 4) The Land Use Map shows land use within the wellhead protection area(s).
- Using these maps and the supporting tables, DNREC identifies the potential sources of contamination and assesses the susceptibility of public-water sources to these contaminants.

The DHSS-Office of Drinking Water (ODW) samples all public wells and performs the analysis in their Certified Drinking Water Laboratory. They provide the chemical and biological analysis information for the Assessments. They also provide the daily population of persons served by the system.

Location and Population Served

Selbyville Water Department is located on the east side of Route 113 and north of the Maryland state line in Sussex County, Delaware (Appendix A, Map 1). This public water supply system provides water to an average daily population of 2157 consumers from

January 1 to December 31. It distributes the water through 1068 residential service connections and 144 commercial connections.

Geology and Hydrogeology

Hydrogeology is the study of the interrelationships of geologic processes and materials with groundwater. These materials are deposited over geologic time with changes in the earth's environment. These deposits become layers. Some materials can easily transmit water while others slow its movement. Materials that transmit water are aquifers; those that stop its movement are confining layers. The Source Water Assessment Protection Program (SWAPP) identifies three types of aquifers; unconfined, confined, and semiconfined.

The water table aquifer is an unconfined aquifer because there are no confining beds between the saturated materials and the ground surface. A confining bed overlies a confined aquifer (Figure 1). These confining layers are generally composed of silts or clays. A leaky confining layer usually overlies semiconfined aquifers. An aquifer may be semiconfined aquifer because the overlying confining layer does not extend far enough laterally to inhibit vertical movement of water.

The public supply wells are screened in unconfined Columbia Group – Pocomoke aquifer (Table 1). In the Selbyville area, the unconfined Columbia aquifer is a lithologically complex hydrogeologic unit consisting of one surficial and three subsurface formations. These formations were deposited during different depositional environments including marine delta, estuarine, fluvial, swamp, marsh, and lagoonal (Ramsey and Schenck, 1990). The Cypress Swamp Formation is the surficial unit. In descending order, the Omar, Beaverdam, and Bethany Formations underlie the Cypress Swamp Formation.

The Cypress Swamp Formation (Andres and Howard, 2003) is the surficial unit in the Selbyville area ((Tomlinson et al., 2013). It was deposited in fresh water swamp, pond, marsh dune, and stream environments (Andres and Klingbeil, 2006). The upper part of the Formation is multi-colored, thinly bedded quartzose sand to silty fine sand. Thin beds of fine to coarse sand, sandy silt, clayey silt, organic silt, and peat are also found. In the lowermost 3 to 6 feet of the Formation, thin beds of dark-colored, organic rich, clayey silt are often found. Where these beds are absent, fine sand to fine sandy silt is present (Andres and Howard, 2003). The Cypress Swamp Formation lies unconformably over the Omar Formation.

The Omar Formation (Jordan, 1962) consists of interbedded, gray to dark gray, quartz sands and silts that range in thickness from a few inches to more than 10 feet. Layers of clay are found within the fine, well-sorted sands. Sands can contain some plant matter, wood fragments, some of which are lignitic (Ramsey, 2010b).

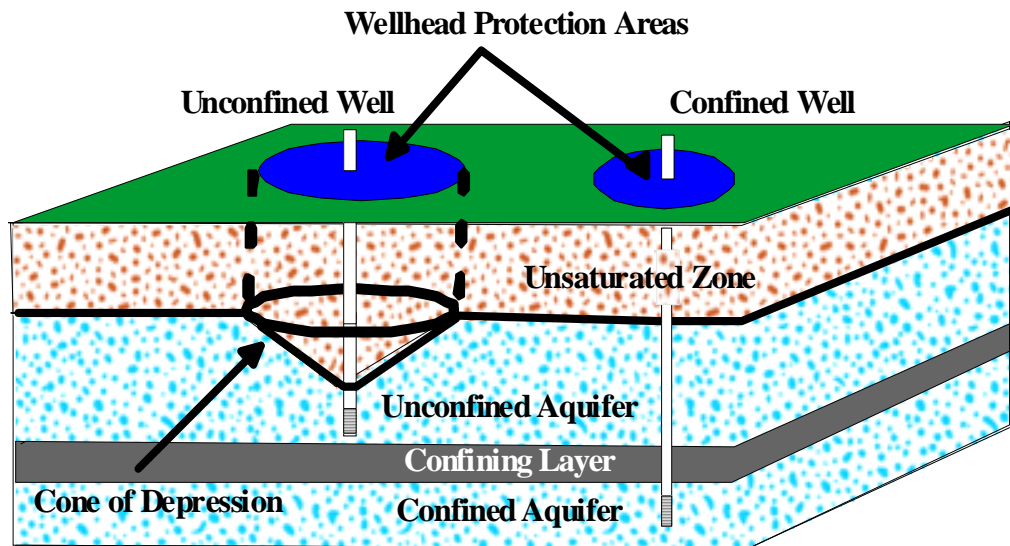


Figure 1. Wellhead Protection Areas

The source of most drinking water in Delaware is from aquifers. The water table aquifer is unconfined because there are no confining beds between the saturated materials and the ground surface. A confining bed overlies a confined aquifer. Unconfined aquifers draw down the water table creating a cone of depression.

Regional mapping by Ramsey (2010) modifies the description of the Omar Formation from that of Jordan (1962). The Omar Formation consists of quartzose, greenish-gray to light-yellow, homogeneous, fine to very fine sand with scattered medium to coarse laminae commonly overlain by dark-greenish-gray, silty clay to clayey silt. Scattered beds of shell and fossilized oyster shell of the species *Crassostrea virginica* commonly known as the Atlantic oyster are found within the Omar Formation. Coarse sand and gravel intermingled with organic-rich horizons with stumps and logs of cypress trees are found at both the base of the Omar Formation and at the top of the silty clay (Ramsey, 2010b).

The major subsurface units of the Columbia Group aquifer that subcrop the surficial units include the Pliocene- aged Beaverdam Formation and the upper Miocene-aged Bethany Formation (Ramsey and Schenck, 1990).

The Beaverdam Formation is a heterogeneous unit ranging from very coarse sand with pebbles to silty clay. It is interpreted to be a Late Pliocene fluvial to estuarine deposit. At the land surface, the predominant lithologies are white to mottled light-gray and reddish brown, silty to clayey, fine to coarse sand. The sands of the Beaverdam Formation are

differentiated from the upper sands of the Cypress Swamp and Omar Formations by its white silt matrix that gives samples a milky appearance when wet (Ramsey, 2010a, b).

The Sands of the Bethany Formation subcrop the Beaverdam Formation and become a part of the unconfined Columbia Group aquifer throughout most of the area. The Pocomoke aquifer is in the Bethany Formation. The Bethany Formation is aged to the late middle Miocene (Benson, 1990; Miller et al., 2003; Owens and Denny, 1979), to perhaps Pliocene (Miller et al., 2003). Because of the lack of diagnostic fossils or other materials that can be age-dated, the age estimates are poorly constrained (Andres, 2004).

The Bethany Formation is comprised of sequences of silty and clayey beds with discontinuous lenses of sand (Andres, 1986; Ramsey, 2003). The thickness of the Bethany Formation varies and reflects the change in depositional environments during the infilling of the sedimentary basin and the subsequent erosional truncation (Andres, 1986). The upper muddy silt beds at the top of the Bethany Formation are missing over much of the area. Where the silt beds are absent, sands of the Bethany Formation are hydraulically connected with those of the Beaverdam Formation, forming a thick and highly productive unconfined aquifer system (Talley, 1988).

Public Water Supply Well Information

When a public well is drilled, the driller files a Completion Report. The Completion Report contains the construction details and a Formation Log. The construction details include the diameter of the well, the depth of the well, and the length of the screen. The length of the screen and its depth determines the screen interval.

How much water the well can pump is limited to the capacity of the pump and how much water the aquifer can produce. This is called the well capacity. It is reported in gallons per minute (gpm). Hydrologists determine the aquifer the well pumps water from by the depth of the screen interval. They use geologic information from the Delaware Geological Survey (DGS) and historical well permitting records to construct a geologic profile to identify the aquifer. The information about the construction, operation, and aquifer assignment of the wells serving Selbyville Water Department are in Table 1.

This assessment identified additional wells associated with Selbyville Water Department (Appendix E, Table 17).

Table 1. Well Construction Data

Completion Reports filed by the well driller includes information about the construction and operation of each well.

DNREC ID	Local ID	Year Constructed	Well Capacity (gpm)	Diameter (inches)	Screen Interval (fbgs)	Aquifer
59416	3A	1985	500	12	75-100	Columbia Grp. - Pocomoke
100905	4B	1994	500	12	75-100	Columbia Grp. - Pocomoke
227016	5C	2009	450	10	70-100	Columbia Grp. - Pocomoke
241525	PW-CR#2	2013	500	12	92-122	Columbia Grp. - Pocomoke
241528	PW-CR#1	2013	500	12	90-120	Columbia Grp. - Pocomoke

* fbgs = feet below ground surface

Wellhead Protection Area Delineation

The mapping of the wellhead protection area is called delineation. Wellhead protection areas are surface and subsurface areas surrounding public water supply wells that contribute water to the well. The delineation identifies land use and land use activities within the wellhead protection area that may adversely affect the quantity or quality of ground water pumped by the well.

The wellhead protection area for Selbyville Water Department contains two well fields with five wells (Appendix A, Map 2). The individual wellhead protection areas for each of the wells screened in the unconfined aquifer were delineated using a computer model (Table 2a). The SWAPP uses the term well field to refer to the area where multiple wells belonging to the same system are located. The delineation of the well fields at Selbyville Water Department is approximately 108 acres (Table 2b).

Wells pumping less than 50,000 gallons per day are delineated using a fixed radius of 150 feet. Wellhead protection areas for public wells that pump 50,000 gallons per day or greater are delineated using a computer model. Because public wells are often constructed with a design capacity greater than the amount of water that will be withdrawn, the design capacity is not used to determine the delineation method.

Table 2a. Aquifer Type and Delineation Method

Wellhead protection areas are delineated based on the well type of aquifer and the pumping capacity of the well (DNREC, 1999)

DNREC ID	Local ID	Aquifer	Aquifer Type	Delineation Method
59416	3A	Columbia Grp - Pocomoke	Unconfined	WhAEM 2000
100905	4B	Columbia Grp - Pocomoke	Unconfined	WhAEM 2000
227016	5C	Columbia Grp - Pocomoke	Unconfined	WhAEM 2000
241525	PW-CR#2	Columbia Grp - Pocomoke	Unconfined	WhAEM 2000
241528	PW-CR#3	Columbia Grp - Pocomoke	Unconfined	WhAEM 2000

Table 2b. Delineated Source Water Areas

The individual wellhead protection areas for this system overlap and are displayed on the map as one area

Well Field	Wells	Acreage	Vulnerability
South	59416	45.53	High
South	100905	45.53	High
South	227016	45.53	High
North	241525	62.31	High
North	241528	62.31	High

If the well withdraws 50,000 gallons per day or greater, the well will require an allocation permit. An allocation permit requires the owner submit water use data. In the absence of water use records, it is the policy of the Department to follow an established set of assumptions. The Department uses a value of 120 gallons per person per day based on the Office of Drinking Water data for population. Multiplying the number of persons reported by 120 gallons per day computes a reasonable daily water use value. If the

computed value is less than 50,000 gallons per day, the well is delineated using a 150 foot fixed radius. If it is greater than 50,000 gallons per day, the well is delineated using a model.

Based on population data, the wellhead protection area for this system was delineated using the geohydrology computer model Wellhead Analytic Element Model (WhAEM). The U. S. EPA developed WhAEM for use in source water assessments (Kraemer, 2010).

Ground water models are computer generated representations of the hydrogeologic system. The modeler builds the modeled system using topographic maps and stream flow data. Good modeling practices require a balance between the realism of the model and the practical limitations of using parameters to generate the resulting ground-water flow model (Kraemer, 2010). However, WhAEM offers more realism than previous EPA models.

WhAEM 2000 allows the modeler to set parameters to simulate the hydrologic conditions the study area. These include the amount of precipitation as recharge, aquifer properties, and the duration of time that is being modeled (Table 2c).

Once the model is calibrated, the information about the well including pumping rates, well radius, particles, and release depth are inserted into the model to simulate water withdrawal (Table 2d). Each well at Selbyville Water Department was modeled independently at the rate indicated in Table 2d.

Because of the limitation of the WhAEM model, the delineated wellhead protection area is conservative. It may be larger than a capture zone produced by a more complex model. However, without additional data required for more complex modeling, WhAEM delineations do provide wellhead protection areas that protect the public drinking water supply.

Complete information regarding WhAEM can be found on the EPA website, <http://www.epa.gov/athens/software/whaem/index.html>.

Vulnerability Determination

The vulnerability is the relative ease that contaminants, if released into a wellhead protection area, could enter a public supply well at concentrations that may affect public health. The vulnerability is determined by reviewing the aquifer characteristics, well integrity, and screen depth. Individual wells are ranked as having low, medium, or high vulnerability (DNREC, 1999). The ranking considers the type of aquifer, hydrogeologic setting, well construction, and geographical setting.

Table 2c. Model Parameters

Property	Value	Units	Reference
Duration	5	Years	DNREC, (1999)
Recharge	12	Inches/Year	Johnston, (1973)
Porosity	0.2	Percent	Freeze and Cherry, (1979)
Hydraulic Conductivity	75-100	Feet/Day	Andres and Klingbeil, (2006)
Base of Aquifer	-115	msl	Andres and Klingbeil, (2006)

Table 2d. Model Settings

DNREC ID	Pumping Rate (ft³/day)	Well Radius (feet)	Number of Particles	Release Depth (Elevation)
59416	37402.00	0.50	20	-51.5
100905	37402.20	0.50	20	-51.5
227016	34131.37	0.43	20	-49
241525	21402.00	0.50	20	-72
241528	21402.27	0.50	20	-67

Selbyville Water Department uses five wells to provide drinking water to the system. These wells are classified as having a high vulnerability because their screens begin at a depth of less than 100 feet and no significant clay layers exist between the ground surface and the well screen (Figure 2). As an unconfined well capable of pumping over 50,000 gallons per day, the wellhead protection areas are delineated using a computer model that simulates ground-water flow.

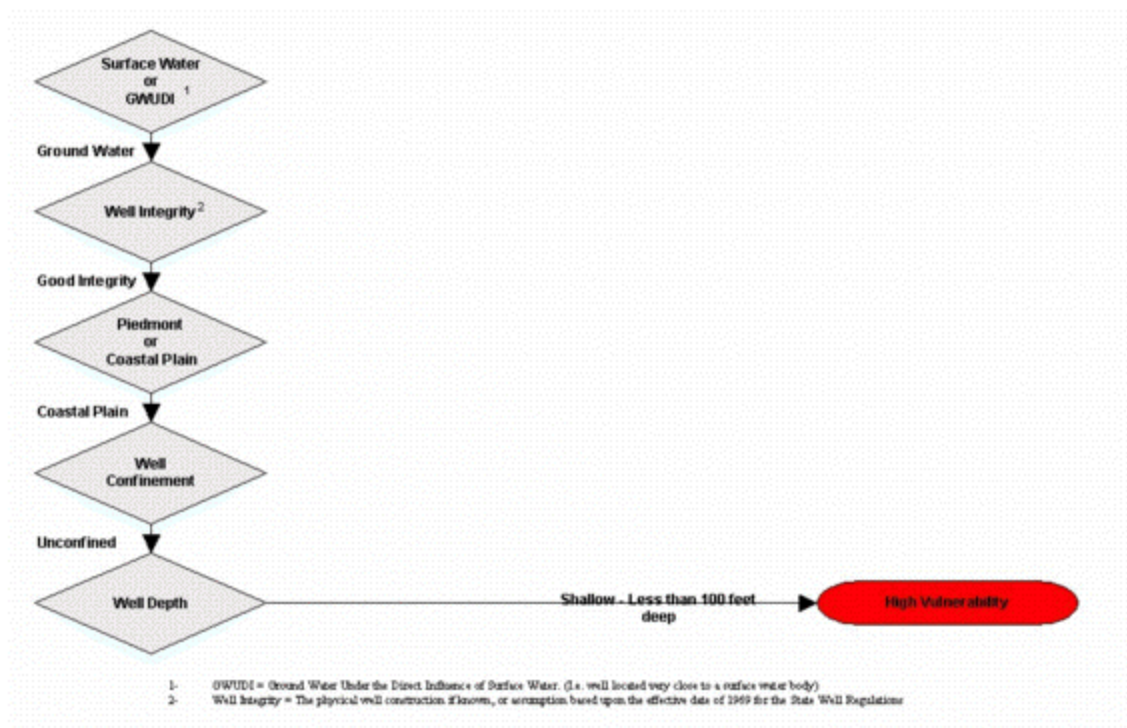


Figure 2. Vulnerability Determination

The vulnerability determination uses a flow diagram based on the well’s location, construction, and type of aquifer.

Existing and Potential Sources of Contamination

The U.S. EPA’s Safe Drinking Water Act Amendments of 1996 required States to determine the susceptibility of public drinking water wells to contamination (U.S. EPA, 1996). The two general types of contaminants are discrete sources and non-point sources. Ground water can also contain naturally occurring contaminants.

Discrete Sources

Discrete sources of contamination originate from an identifiable source. Examples of discrete sources are large on-site septic or underground storage tank (Table 3). The inventory of facilities that produce discrete sources of contamination is a product of DNREC’s *Whole Basin Assessment Reports* (DNREC, 1998, 2001a, 2001b, and 2005). These datasets are routinely updated.

The facility type and the analytical data determine the contaminant potential rating for a discrete source contaminant. Discrete source contaminants enter aquifers by infiltration through the ground. They enter the drinking water supply when they are drawn into wells. The Source Water Assessment rates the contamination potential from discrete sources as, negligible, low, medium, or high.

There are six discrete sources of potential contamination in the wellhead protection area for Selbyville Water Department. These sites have elevated contaminant potentials that may influence the drinking water resources (Appendix A, Map 3).

Table 3. Types of Discrete Sources of Contamination

Discrete sources of contamination are generated or manufactured from an identifiable source. The contamination released from these discrete sources may occur at concentrations that can be quantified.

Underground Storage Tanks	Large On-Site Septic
Landfills/Dumps	Wastewater Spray Irrigation
National Pollutant Discharge Elimination System	Hazardous Waste Generators
State and Federal Superfund Sites	Waste Sludge Application
Animal Feedlot Operations	Combined Sewer Overflows
Tire Piles	Dredge Spoils
Toxic Release Inventory	Domestic Septic Systems
Pesticide Loading, Mixing, & Storage Facility	Salvage Yards

Current data also indicates that there are twelve domestic septic systems in the wellhead protection area for wells 241525 and 241528. There are approximately 0.26 domestic septic systems per acre (Appendix A, Map 3). These wells have a low contaminant potential for nutrients and a negligible contaminant potential for pathogens, petroleum hydrocarbons, pesticides, PCBs, other organic compounds, metals, and other inorganic compounds (Appendix B, Tables 7).

Current data indicates that there are four underground storage tank facilities within the wellhead protection area for public wells 59416, 100905, and 227016 (Appendix A, Map 3).

Bodies Market, MAPID: UT5787 has a low contaminant potential for petroleum hydrocarbons and a negligible contaminant potential for nutrients, pathogens, pesticides, PCBs, other organic compounds, metals, and other inorganic compounds (Appendix B, Table 7).

Bodies Market, MAPID: UT5439 has a low contaminant potential for petroleum hydrocarbons and a negligible contaminant potential for nutrients, pathogens,

pesticides, PCBs, other organic compounds, metals, and other inorganic compounds (Appendix B, Table 7).

Warehouse, MAPID: UT6404 has a high contaminant potential for petroleum hydrocarbons and a negligible contaminant potential for nutrients, pathogens, pesticides, PCBs, other organic compounds, metals, and other inorganic compounds (Appendix B, Table 7).

Hickman and Willey Inc., MAPID: UT5808 has a high contaminant potential for petroleum hydrocarbons and a negligible contaminant potential for nutrients, pathogens, pesticides, PCBs, other organic compounds, metals, and other inorganic compounds (Appendix B, Table 7).

Current data indicates that there is an abandoned confined animal feed operation MAPID: AE657 within the wellhead protection area for public wells 241525 and 241528 (Appendix A, Map 3). The well field has a medium contaminant potential for nutrients, pathogens, pesticides, PCBs, other organic compounds, metals, and other inorganic compounds from this site. There is a negligible contaminant potential for petroleum hydrocarbons (Appendix B, Table 7).

Current data indicates that there is an underground storage tank facility (Hitchens Brothers, MAPID: UST5439) within the wellhead protection area for public wells 241525 and 241528 (Appendix A, Map 3). The well field has a low contaminant potential for petroleum hydrocarbons and a negligible contaminant potential for nutrients, pathogens, pesticides, PCBs, other organic compounds, metals, and other inorganic compounds from this site (Appendix B, Table 7).

The contaminant potential from all discrete sources within the wellhead protection area for 59416, 100905, and 227016 is high for petroleum hydrocarbons and negligible for nutrients, pathogens, pesticides, PCBs, other organic compounds, metals, and other inorganic compounds (Appendix B, Table 8).

The contaminant potential from all discrete sources within the wellhead protection area for public wells 241525 and 241528 is medium for nutrients, pathogens, pesticides, other organic compounds, metals, and other inorganic compounds from this site. There is a low contaminant potential for petroleum hydrocarbons and a negligible contaminant potential for PCBs (Appendix B, Table 8).

The contaminant potential to the Selbyville Water Department system is high for petroleum hydrocarbons and medium for nutrients, pathogens, pesticides, other organic compounds, metals, and other inorganic compounds and negligible for PCBs (Appendix B, Table 9).

Non-Point Source Contamination

Non-point source contamination is generated from land use activities and natural processes (Figure 3). They do not have an identifiable point where they enter the water. Like discrete source contaminants, non-point source contaminants enter ground water by infiltrating the land surface.

By analyzing aerial images, tables were generated to rate contaminant potential for land uses and land covers. The Land Use and Land Cover tables evaluate the probability that one or more of these non-point source contaminants will be present or generated by the associated land use or cover. This contamination potential is rated as, negligible, low, medium, or high. The individual contaminant potential based on land use was determined for each well.

Based on the 2002 Land Use and Land Cover (Appendix A, Map 4), approximately 45 percent of the total wellhead protection area for the system contains commercial land uses. Residential and land use and cropland are each approximately 19 percent (Figure 3).

The contaminant potential from each type of land use within the wellhead protection areas is detailed in Appendix B, Table 10.

The contaminant potential from all land use and land cover within the wellhead protection area for public wells 59416, 100905, and 227016 is high for nutrients and medium for pathogens, petroleum hydrocarbons, pesticides, PCBs, other organics, metals, and other inorganic compounds (Appendix B, Table 11).

The contaminant potential from all land use and land cover within the wellhead protection area for public wells 241525 and 241528 is high for nutrients and medium for pathogens, petroleum hydrocarbons, pesticides, PCBs, other organics, metals, and other inorganic compounds (Appendix B, Table 11).

Roads and Railroads

Roads and railroads are potential sources of contaminants. Maintenance of these thoroughfares such as salting, herbicide application, or a release of toxic materials could affect water quality. In addition, the operation of improperly maintained vehicles may deposit contaminants on these surfaces.

There are 1.42 miles of roadways and 0.25 miles of railroads within Selbyville Water Department (Table 4, Map 4). Small and private roads are not included in the assessment because of the lack of consistent data across the State.

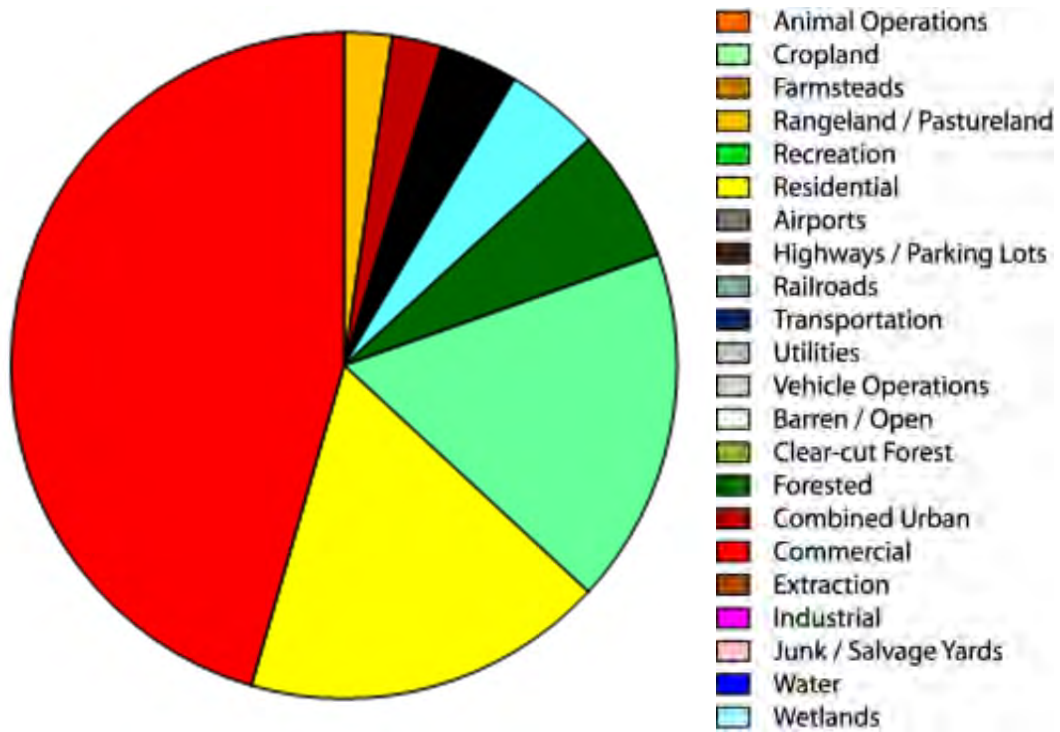


Figure 3. Land Use in Wellhead Protection Area

Land Use is determined by evaluating aerial images projected in Geographic Imaging Systems software programs. Land use tables are used to determine the contaminant potential associated with each land use category.

Table 4. Roads and Railways found within the Wellhead Protection Area

Well	Conduit	Miles
59416,100905,227016	Rail	0.25
59416,100905,227016	Road	1.17
241525 - 241528	Road	1.24

Water Quality

DHSS-Office of Drinking Water tests raw ground water samples to determine the quality of the drinking water (DHSS, 2002). Raw water samples are taken before the water is treated. These results are referred to as analytical data. The DHSS-Office of Drinking Water uses guidelines established by the EPA and State Regulations to set drinking water standards. These standards set a Maximum Contaminant Level (MCL) for each contaminant (EPA, 1996).

The State of Delaware identifies “contaminants of concern” as regulated substances with primary and secondary maximum contaminant levels and unregulated substances as listed in the State of Delaware Regulations Governing Public Water Systems revised March 31, 1991 (DNREC, 1996).

Delaware has also adopted State drinking water standards for several contaminants that are more protective than National drinking water standards and a Health Advisory Limit for sodium. The associated MCL is considered the Drinking Water Standard. Any change in the MCL designation by the EPA or the DHSS is incorporated into the source water assessments (DNREC, 1999). In the table heading for analytical data the distinction between primary, secondary, health advisory limit, and State standard is stated and the analyte is noted accordingly.

Enforcement of water quality standards is the responsibility of DHSS ODW. The primary focus of ODW is to assure that finished water meets the Drinking Water Standards. Public water providers use treatment methods to achieve compliance. Examples of treatment methods include, but not limited to, filtration, disinfection, fluoridation, and softening.

The DNREC Source Water Assessment and Protection Program is responsible for evaluating raw water to determine the possible sources of contaminants. By evaluating what types of contaminants and their concentrations, public water providers can determine if a problem exists and what treatment method to use to improve the quality of water they provide.

Naturally Occurring Contaminants

Several naturally occurring potential contaminants may be identified as part of the Source Water Assessment. These include iron, chloride, sodium, radon, radium, manganese, arsenic, and sulfate.

Analytical Data

Data from the DHSS-Office of Drinking Water's analytical database was reviewed for raw/untreated water quality data for the past five years.

The data from wells 59416 exceeded drinking water for methyl tert-butyl ether (MTBE), manganese, and iron. Concentrations of sodium were greater than one-half the health advisory limit (Appendix C, Table 14).

The data from well 100905 exceeded drinking water for manganese and iron (Appendix C, Table 14).

The data from well 227016 exceeded drinking water standards for color, iron, manganese, and methyl tert-butyl ether (MTBE). Concentrations of sodium were greater than one-half the health advisory limit (Appendix C, Table 14).

The data from wells 241525 exceeded drinking water for methyl tert-butyl ether (MTBE) (Appendix C, Table 14).

The data from well 241528 exceeded drinking water standards for iron and manganese. Concentrations of sodium were greater than one-half the health advisory limit (Appendix C, Table 14).

Water Treatment Methods

The DHSS Office of Drinking Water regulates water quality. They sample both raw and finished drinking water produced by public wells. Systems can treat raw water to reduce or remove contaminants. Treatment methods include filtering, softening, disinfection, and ion exchange. Treated water is considered finished water. This assessment focuses on the untreated, raw ground water source water.

Selbyville Water Department public water system uses several treatment methods. The water is adjusted for pH and fluoride is added. The system removes iron by permanganate and filtration. Gaseous chlorination is used to disinfect the water.

The quality of water delivered to the consumer is monitored by DHSS-Office of Drinking Water. Community systems are required to supply their customers with a Consumer Confidence Reports. For more information about the water treatment used please, contact Selbyville Water Department or the DHSS Office of Drinking Water at (302) 741-8630

Susceptibility Determination

The vulnerability looks at the public supply well's construction and geographic location. The susceptibility rating evaluates the possibility that that public supply well might draw contaminated water at concentrations of concern to public health. The susceptibility rating is determined by reviewing the vulnerability of the well, the discrete source contaminant inventory, land use contaminant potential, and the analytical data.

The Delaware Source Water Assessment and Protection Program identify eight classes of contaminants (Table 5). The susceptibility determination is ranked on a scale from no susceptibility to having a documented water sample that exceeded drinking-water standards (DNREC, 1999).

Table 5. Contaminant Classes

The Delaware Source Water Assessment and Protection Program identify eight classes of contaminants. The grouping of contaminants in classes presents a simpler method to determine the susceptibility rating.

Contaminant Class	Examples
Other Inorganic Compounds	Fluoride, Chloride, pH, Sulfate, Radon, Radium,
Metals	Copper, Arsenic, Iron, Manganese
Nutrients	Nitrate, Nitrite
Other Organic Compounds	Vinyl Chloride, PCE, TCE
Pathogens	Coliform Bacteria, Cryptosporidium, Giardia
Pesticides	Alachlor, Atrazine, Glyphosate
Petroleum Hydrocarbons	Gasoline, Heating Oil, Benzene, Toluene
Polychlorinated Biphenyls	PCB

Contaminant Inventory

There are discrete sources of potential contamination in the well field (wellhead protection area) for Selbyville Water Department public water system. These discrete sources have elevated contaminant potentials that may affect the drinking water. The contaminant potential from all discrete sources is high for petroleum hydrocarbons, and medium for nutrients, pathogens, petroleum hydrocarbons, pesticides, other organic compounds, metals, and other inorganic compounds. There is a negligible contaminant potential for PCBs (Appendix B, Table 9).

The contaminant potential from land use / land cover is high for nutrients and medium for pathogens, petroleum hydrocarbons, pesticides, PCBs, other organic compounds, metals and other inorganic compounds (Appendix B, Table 12).

Water Quality and Susceptibility

According to the Source Water Assessment Plan, susceptibility ratings require adjustment if the analytical data finds levels of a contaminant equal to, or greater than one-half the maximum contaminant level.

The petroleum hydrocarbons susceptibility rating for wells 59416, 227016, and 241525 were adjusted. They were adjusted because the analytical data showed the concentrations of methyl tert-butyl ether (MTBE) exceeded drinking water standards (Appendix C, Table 14).

The metals susceptibility ratings for wells 59416, 100905, 227016, and 241528 were adjusted. They were adjusted because the analytical data showed the concentrations of iron and manganese exceeded drinking water (Appendix C, Table 14).

Individual Susceptibility

The wells at Selbyville Water Department have different characteristics. They vary in depth, location, date drilled, and pumping rate. These differences influence the delineation of the wellhead protection area, the vulnerability determination, and the contaminant inventory. This water system has two wellhead protection areas for the system that occupy one well field. A Susceptibility Assessment was performed for each wellhead protection area. Each source of contaminant (discrete, land use, or analytical data) was rated according to its contaminant class. The well's vulnerability determination is also considered. The susceptibility for each wellhead protection area was ranked by the highest source contaminant's susceptibility.

The wellhead protection area for well 59416 is exceedingly susceptible to petroleum hydrocarbons and metals based on the analytical data. It has a very high susceptibility for nutrients from land use activities. It has a high susceptibility to pathogens, pesticides, PCBs, other organic compounds, and other inorganic compounds due to land use activities (Appendix B, Table 13).

The wellhead protection area for well 100905 is exceedingly susceptible to metals based on analytical data. It has a very high susceptibility for nutrients from land use activities and a very high susceptibility for petroleum hydrocarbons based on discrete sources. It has a high susceptibility to pathogens, pesticides, PCBs, other organic compounds, and other inorganic compounds due to land use activities (Appendix B, Table 13).

The wellhead protection area for well 227016 is exceedingly susceptible to petroleum hydrocarbons and metals based on analytical data. It has a very high susceptibility for nutrients from land use activities. It has a high susceptibility to pathogens, pesticides, PCBs, other organic compounds, and other inorganic compounds due to land use activities (Appendix B, Table 13).

The wellhead protection area for well 241525 is exceedingly susceptible to petroleum hydrocarbons based on analytical data. It has a very high susceptibility for nutrients from land use activities. It has high susceptibility for pathogens, pesticides, PCBs, other organic compounds, metals, and other inorganic compounds (Appendix B, Table 13).

The wellhead protection area for well 241528 is exceedingly susceptible to metals based on analytical data. There is a very high susceptibility for nutrients from land use activities. It has high susceptibility for pathogens, petroleum hydrocarbons, pesticides, PCBs, other organic compounds, and other inorganic compounds (Appendix B, Table 13).

System Susceptibility

Within a public water system, each well could have different susceptibility rating. The system susceptibility ranks the wells as a group. Selbyville Water Department is exceedingly susceptible to petroleum hydrocarbons and metals based on analytical data. It has very high susceptibility to nutrients and a high susceptibility to pathogens, pesticides, PCBs, other organic compounds, and other inorganic compounds (Table 6).

Table 6. System Susceptibility Rating

The system susceptibility ranks the wells as a group. An individual well can dramatically raise a system’s rating.

Susceptibility	Contaminant Class
Exceeds	Petroleum Hydrocarbons Metals
Very High	Nutrients
High	Pathogens Pesticides PCBs Other Organic Compounds Other Inorganic Compounds

Summary

The Delaware Department of Natural Resources and Environmental Control's (DNREC) Division of Water Resources has completed the Source Water Assessment for the public water supply wells for Selbyville Water Department. This Assessment is required under the 1996 amendments to the Safe Drinking Water Act. The compiling of this assessment followed the methods specified in the State of Delaware Source Water Assessment Plan (DNREC, 1999).

Selbyville Water Department uses five wells to provide drinking water to the system. These wells are classified as having a high vulnerability because their screens begin at a depth of less than 100 feet and no significant clay layers exist between the ground surface and the well screen. As an unconfined well capable of pumping over 50,000 gallons per day, the wellhead protection areas are delineated using a computer model that simulates ground-water flow.

Selbyville Water Department is located on the east side of Route 113 and north of the Maryland state line in Sussex County, Delaware. This public water supply system provides water to an average daily population of 2157 consumers from January 1 to December 31. It distributes the water through 1068 residential service connections and 144 commercial connections.

There are discrete sources of potential contamination in the well field (wellhead protection area) for Selbyville Water Department public water system. These discrete sources have elevated contaminant potentials that may affect the drinking water. The contaminant potential from all discrete sources is high for petroleum hydrocarbons, and medium for nutrients, pathogens, petroleum hydrocarbons, pesticides, other organic compounds, metals, and other inorganic compounds. There is a negligible contaminant potential for PCBs.

Based on the 2002 Land Use and Land Cover approximately 45 percent of the total wellhead protection area for the system contains commercial land uses. Residential and land use and cropland are each approximately 19 percent.

Data from the DHSS-Office of Drinking Water's analytical database was reviewed for raw/untreated water quality data for the past five years. The data showed exceedances of methyl tert-butyl ether (MTBE), manganese, and iron. Concentrations of sodium were greater than one-half the health advisory limit.

Selbyville Water Department is exceedingly susceptible to petroleum hydrocarbons and metals. It has very high susceptibility to nutrients and a high susceptibility to pathogens, pesticides, PCBs, other organic compounds, and other inorganic compounds.

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Appendix A

Maps

Map 1: Base Map

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Please contact the Source Water Assessment and Protection

Program at Phone: (302) 739-9945 or Fax: (302) 739-2296

to request more information regarding this map.

Map 2: Delineation Map

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Please contact the Source Water Assessment and Protection

Program at Phone: (302) 739-9945 or Fax: (302) 739-2296

to request more information regarding this map.

Map 3: Discrete Source Map

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Please contact the Source Water Assessment and Protection

Program at Phone: (302) 739-9945 or Fax: (302) 739-2296

to request more information regarding this map.

Appendix B

Tables

Table 7. Contaminant Potential from Individual Types of Discrete Sources by WHPA

DNREC stores information of known discrete sources of contamination in databases. This information is accessed and used to rate the contaminant potential from each source. The contaminant potential is rated for each of the eight-contaminant classes. It is reported as negligible (NEG), LOW, medium (MED.), and HIGH for each wellhead protection area.

Wellhead Protection Area	Discrete Sources	Map ID	Nutrients	Pathogens	Petroleum Hydrocarbons	Pesticides	PCBs	Other Organic Compounds	Metals	Other Inorganic Compounds
59416- 100905-227016	Bodies Market	UT5787	Neg.	Neg.	Low	Neg.	Neg.	Neg.	Neg.	Neg.
59416- 100905-227016	Bodies Market	UT5439	Neg.	Neg.	Low	Neg.	Neg.	Neg.	Neg.	Neg.
59416- 100905-227016	Warehouse	UT6404	Neg.	Neg.	High	Neg.	Neg.	Neg.	Neg.	Neg.
59416- 100905-227016	Hickman and Willey Inc.	UT5808	Neg.	Neg.	High	Neg.	Neg.	Neg.	Neg.	Neg.
241525- 242528	Out of Operation	AE657	Med.	Med.	Neg.	Med.	Neg.	Med.	Med.	Med.
241525- 242528	Hitchens Bros.	UT5439	Neg.	Neg.	Low	Neg.	Neg.	Neg.	Neg.	Neg.
241525- 242528	Domestic Septic System	None	Low	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.

Table 8. Contaminant Potential from Combined Total Discrete Sources by WHPA

DNREC stores information of known discrete sources of contamination in databases. This information is accessed and used to rate the contaminant potential from each source. The contaminant potential is rated for each of the eight-contaminant classes. It is reported as negligible (NEG), LOW, medium (MED.), and HIGH for each wellhead protection area.

Wellhead Protection Area Summary	Discrete Sources	Nutrients	Pathogens	Petroleum Hydrocarbons	Pesticides	PCBs	Other Organic Compounds	Metals	Other Inorganic Compounds
59416- 100905- 227016	All	Neg.	Neg.	High	Neg.	Neg.	Neg.	Neg.	Neg.
241525- 242528	All	Med.	Med.	Low	Med.	Neg.	Med.	Med.	Med.

Table 9. Contaminant Potential from Total Discrete Sources by System

DNREC stores information of known discrete sources of contamination in databases. This information is accessed and used to rate the contaminant potential from each source. The contaminant potential is rated for each of the eight-contaminant classes. It is reported as negligible (NEG), LOW, medium (MED.), and HIGH for the system.

System Summary	Nutrients	Pathogens	Petroleum Hydrocarbons	Pesticides	PCBs	Other Organic Compounds	Metals	Other Inorganic Compounds
Overall	Med.	Med.	High	Med.	Neg.	Med.	Med.	Med.

Table 10. Contaminant Potential from each Land Use within WHPA

DNREC identifies land use from aerial images. Each land use has specific contaminants associated with it. The contaminant potential is rated for each of the eight-contaminant classes. It is reported as negligible (NEG), LOW, medium (MED.), and HIGH for each wellhead protection area.

WHPA	Land Use	Area (acres)	Percent	Nutrients	Pathogens	Petroleum Hydrocarbons	Pesticides	PCBs	Other Organic Compounds	Metals	Other Inorganic Compounds
59416- 100905- 227016	Combined Urban	2.77	6.09	Neg.	Neg.	Med.	Med.	Neg.	Med.	Neg.	Neg.
59416- 100905- 227016	Commercial	29.14	63.96	Med.	Neg.	Med.	Med.	Med.	Med.	Med.	Med.
59416- 100905- 227016	Cropland	2.46	5.4	High	Neg.	Neg.	Med.	Neg.	Neg.	Neg.	Med.
59416- 100905- 227016	Forested	1.54	3.4	Neg.	Neg.	Neg.	Med.	Neg.	Neg.	Neg.	Neg.
59416- 100905- 227016	Residential	8.22	18.05	Med.	Med.	Med.	Med.	Neg.	Neg.	Neg.	Neg.
59416- 100905- 227016	Wetland	1.4	3.08	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
241525- 242528	Combined Urban	< 0.01	< 0.01	Neg.	Neg.	Low	Low	Neg.	Low	Neg.	Neg.
241525- 242528	Commercial	19.85	31.85	Med.	Neg.	Med.	Med.	Med.	Med.	Med.	Med.
241525- 242528	Cropland	16.17	25.94	High	Neg.	Neg.	Med.	Neg.	Neg.	Neg.	Med.
241525- 242528	Forested	5.39	8.64	Neg.	Neg.	Neg.	Med.	Neg.	Neg.	Neg.	Neg.
241525- 242528	Highways / Parking Lots	4.11	6.59	Neg.	Neg.	Med.	Neg.	Neg.	Med.	Med.	Med.
241525- 242528	Rangeland / Pastureland	2.5	4.02	Med.	Med.	Neg.	Med.	Neg.	Neg.	Neg.	Neg.
241525- 242528	Residential	10.74	17.23	Med.	Med.	Med.	Med.	Neg.	Neg.	Neg.	Neg.
241525- 242528	Wetland	3.55	5.69	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.

Table 11. Contaminant Potential from Total Land Use within WHPA

DNREC identifies land use from aerial images. Each land use has specific contaminants associated with it. The contaminant potential is rated for each of the eight-contaminant classes. It is reported as negligible (NEG), LOW, medium (MED.), and HIGH for each wellhead protection area.

WHPA Summary	Land Use	Area (acres)	Nutrients	Pathogens	Petroleum Hydrocarbons	Pesticides	PCBs	Other Organic Compounds	Metals	Other Inorganic Compounds
59416- 100905- 227016	All	45.53	High	Med.	Med.	Med.	Med.	Med.	Med.	Med.
241525- 242528	All	62.31	High	Med.	Med.	Med.	Med.	Med.	Med.	Med.

Table 12. Contaminant Potential from Total Land Use within the System

DNREC identifies land use from aerial images. Each land use has specific contaminants associated with it. The contaminant potential is rated for each of the eight-contaminant classes. It is reported as negligible (NEG), low, medium (MED.), and high for the system.

System Summary	Nutrients	Pathogens	Petroleum Hydrocarbons	Pesticides	PCBs	Other Organic Compounds	Metals	Other Inorganic Compounds
Overall	High	Med.	Med.	Med.	Med.	Med.	Med.	Med.

Table 13. Individual Wellhead Protection Area Susceptibility

The vulnerability determination examines the possibility of a contaminant being drawn into a public drinking water through the well. The susceptibility rating evaluates the probability of a contaminant, if present, could enter the water supply. The susceptibility ratings for each of the eight-contaminant classes are reported as; very low, low, medium (med.), high, very high, and exceeds standards for each wellhead protection area.

Wellhead Protection Area	Based On	Vulnerability	Nutrients	Pathogens	Petroleum Hydrocarbons	Pesticides	PCBs	Other Organic Compounds	Metals	Other Inorganic Compounds
59416	Discrete Sources	High	Low	Low	Very High	Low	Low	Low	Low	Low
59416	Land Use	High	Very High	High	High	High	High	High	High	High
59416	Analytical Data	High	-	-	Exceeds	-	-	-	Exceeds	-
59416	Overall	High	Very High	High	Exceeds	High	High	High	Exceeds	High
100905	Discrete Sources	High	Low	Low	Very High	Low	Low	Low	Low	Low
100905	Land Use	High	Very High	High	High	High	High	High	High	High
100905	Analytical Data	High	-	-	-	-	-	-	Exceeds	-
100905	Overall	High	Very High	High	Very High	High	High	High	Exceeds	High
227016	Discrete Sources	High	Low	Low	Very High	Low	Low	Low	Low	Low
227016	Land Use	High	Very High	High	High	High	High	High	High	High
227016	Analytical Data	High	-	-	Exceeds	-	-	-	Exceeds	-
227016	Overall	High	Very High	High	Exceeds	High	High	High	Exceeds	High
241525	Discrete Sources	High	High	High	Med.	High	Low	High	High	High
241525	Land Use	High	Very High	High	High	High	High	High	High	High
241525	Analytical Data	High	-	-	Exceeds	-	-	-	-	-
241525	Overall	High	Very High	High	Exceeds	High	High	High	High	High
241528	Discrete Sources	High	High	High	Med.	High	Low	High	High	High
241528	Land Use	High	Very High	High	High	High	High	High	High	High
241528	Analytical Data	High	-	-	-	-	-	-	Exceeds	-
241528	Overall	High	Very High	High	High	High	High	High	Exceeds	High

Appendix C. Analytical Data

Table 12: Available Analytical Data

The DHSS Office of Drinking Water analyzes water samples for public drinking water systems. They have provided the last five years of data for this assessment. Because no Raw Water samples were taken and no treatment is indicated for this system, the data is for Finished Water. All standards refer to the maximum contaminant limit (MCL) established by the EPA except as noted. National Secondary Drinking Water Standards are noted by *, Health Advisory Limits by **, and State of Delaware Standards by ***.

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	59416	1,1,1,2-TETRACHLOROETHANE	11/4/2009	0	Unregulated	µg/L
Organic	59416	1,1,1-TRICHLOROETHANE	11/4/2009	0	200	µg/L
Organic	59416	1,1,2,2-TETRACHLOROETHANE	11/4/2009	0	Unregulated	µg/L
Organic	59416	1,1,2-TRICHLOROETHANE	11/4/2009	0	5	µg/L
Organic	59416	1,1-DICHLOROETHANE	11/4/2009	0	7	µg/L
Organic	59416	1,1-DICHLOROETHYLENE	11/4/2009	0	7	µg/L
Organic	59416	1,1-DICHLOROPROPENE	11/4/2009	0	Unregulated	µg/L
Organic	59416	1,2,3-TRICHLOROBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	59416	1,2,3-TRICHLOROPROPANE	11/4/2009	0	Unregulated	µg/L
Organic	59416	1,2,4-TRICHLOROBENZENE	11/4/2009	0	70	µg/L
Organic	59416	1,2,4-TRIMETHYLBENZENE	11/4/2009	0	70	µg/L
Organic	59416	1,2-DIBROMO-3-CHLOROPROPANE	11/4/2009	0	0.2	µg/L
Organic	59416	1,2-DICHLOROETHANE	11/4/2009	0	5	µg/L
Organic	59416	1,2-DICHLOROPROPANE	11/4/2009	0	Unregulated	µg/L
Organic	59416	1,3,5-TRIMETHYLBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	59416	1,3-DICHLOROPROPANE	11/4/2009	0	Unregulated	µg/L
Organic	59416	2,2-DICHLOROPROPANE	11/4/2009	0	Unregulated	µg/L
Inorganics	59416	ALKALINITY, TOTAL	11/4/2009	18	Unregulated	mg/L
Petroleum Hydrocarbon	59416	BENZENE	11/4/2009	0	5	µg/L
Organic	59416	BROMOBENZENE	11/4/2009	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	59416	BROMOCHLOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	59416	BROMODICHLOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	59416	BROMOFORM	11/4/2009	0	TTHM (80)	µg/L
Organic	59416	BROMOMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	59416	CARBON TETRACHLORIDE	11/4/2009	0	5	µg/L
Inorganics	59416	*CHLORIDE	11/4/2009	16.7	250	mg/L
Organic	59416	CHLOROBENZENE	11/4/2009	0	100	µg/L
Organic	59416	CHLOROETHANE	11/4/2009	0	Unregulated	µg/L
Organic	59416	CHLOROFORM	11/4/2009	0	TTHM (80)	µg/L
Organic	59416	CHLOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	59416	CIS-1,2-DICHLOROETHYLENE	11/4/2009	0	70	µg/L
Organic	59416	CIS-1,3-DICHLOROPROPENE	11/4/2009	0	Unregulated	µg/L
Pathogens	59416	COLIFORM (TCR)	11/4/2009	0	0	cfu
Organic	59416	DIBROMOCHLOROMETHANE	11/4/2009	0	5	µg/L
Organic	59416	DIBROMOMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	59416	DICHLORODIFLUOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	59416	DICHLOROMETHANE	11/4/2009	0	5	µg/L
Petroleum Hydrocarbon	59416	ETHYLBENZENE	11/4/2009	0	700	µg/L
Organic	59416	ETHYLENE DIBROMIDE	11/4/2009	0	0.05	µg/L
Inorganics	59416	*FLUORIDE	11/4/2009	0	2	mg/L
Inorganics	59416	*HARDNESS, TOTAL (AS CaCO3)	11/4/2009	10.9	200	mg/L
Organic	59416	HEXACHLOROBUTADIENE	11/4/2009	0	Unregulated	µg/L
Metals	59416	*IRON	11/4/2009	9.06	0.3	mg/L
Organic	59416	ISOPROPYLBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	59416	M-DICHLOROBENZENE	11/4/2009	0	Unregulated	µg/L
Petroleum Hydrocarbon	59416	***METHYL TERT-BUTYL ETHER	11/4/2009	12.9	10	µg/L
Organic	59416	NAPHTHALENE	11/4/2009	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	59416	N-BUTYLBENZENE	11/4/2009	0	Unregulated	µg/L
Nutrient	59416	NITRATE	11/4/2009	0	10	mg/L
Nutrient	59416	NITRITE	11/4/2009	0	1	mg/L
Organic	59416	N-PROPYLBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	59416	O-CHLOROTOLUENE	11/4/2009	0	Unregulated	µg/L
Organic	59416	O-DICHLOROBENZENE	11/4/2009	0	600	µg/L
Organic	59416	P-CHLOROTOLUENE	11/4/2009	0	Unregulated	µg/L
Organic	59416	P-DICHLOROBENZENE	11/4/2009	0	75	µg/L
Organic	59416	P-ISOPROPYLTOLUENE	11/4/2009	0	Unregulated	µg/L
Organic	59416	SEC-BUTYLBENZENE	11/4/2009	0	Unregulated	µg/L
Metals	59416	**SODIUM	11/4/2009	13.2	20	mg/L
Organic	59416	STYRENE	11/4/2009	0	100	µg/L
Inorganics	59416	*SULFATE	11/4/2009	33	250	mg/L
Inorganics	59416	*TDS	11/4/2009	144	500	mg/L
Organic	59416	TERT-BUTYLBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	59416	***TETRACHLOROETHYLENE	11/4/2009	0	1	µg/L
Petroleum Hydrocarbon	59416	TOLUENE	11/4/2009	0	1,000	µg/L
Organic	59416	TRANS-1,2-DICHLOROETHYLENE	11/4/2009	0	100	µg/L
Organic	59416	TRANS-1,3-DICHLOROPROPENE	11/4/2009	0	Unregulated	µg/L
Organic	59416	***TRICHLOROETHYLENE	11/4/2009	0	1	µg/L
Organic	59416	TRICHLOROFLUOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	59416	***VINYL CHLORIDE	11/4/2009	0	1	µg/L
Petroleum Hydrocarbon	59416	XYLENES, TOTAL	11/4/2009	0	10,000	µg/L
Organic	59416	1,1,1,2-TETRACHLOROETHANE	5/5/2010	0	Unregulated	µg/L
Organic	59416	1,1,1-TRICHLOROETHANE	5/5/2010	0	200	µg/L
Organic	59416	1,1,2,2-TETRACHLOROETHANE	5/5/2010	0	Unregulated	µg/L
Organic	59416	1,1,2-TRICHLOROETHANE	5/5/2010	0	5	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	59416	1,1-DICHLOROETHANE	5/5/2010	0	7	µg/L
Organic	59416	1,1-DICHLOROETHYLENE	5/5/2010	0	7	µg/L
Organic	59416	1,1-DICHLOROPROPENE	5/5/2010	0	Unregulated	µg/L
Organic	59416	1,2,3-TRICHLOROBENZENE	5/5/2010	0	Unregulated	µg/L
Organic	59416	1,2,3-TRICHLOROPROPANE	5/5/2010	0	Unregulated	µg/L
Organic	59416	1,2,4-TRICHLOROBENZENE	5/5/2010	0	70	µg/L
Organic	59416	1,2,4-TRIMETHYLBENZENE	5/5/2010	0	70	µg/L
Organic	59416	1,2-DIBROMO-3-CHLOROPROPANE	5/5/2010	0	0.2	µg/L
Organic	59416	1,2-DICHLOROETHANE	5/5/2010	0	5	µg/L
Organic	59416	1,2-DICHLOROPROPANE	5/5/2010	0	Unregulated	µg/L
Organic	59416	1,3,5-TRIMETHYLBENZENE	5/5/2010	0	Unregulated	µg/L
Organic	59416	1,3-DICHLOROPROPANE	5/5/2010	0	Unregulated	µg/L
Organic	59416	2,2-DICHLOROPROPANE	5/5/2010	0	Unregulated	µg/L
Inorganics	59416	ALKALINITY, TOTAL	5/5/2010	22	Unregulated	mg/L
Petroleum Hydrocarbon	59416	BENZENE	5/5/2010	0	5	µg/L
Organic	59416	BROMOBENZENE	5/5/2010	0	Unregulated	µg/L
Organic	59416	BROMOCHLOROMETHANE	5/5/2010	0	Unregulated	µg/L
Organic	59416	BROMODICHLOROMETHANE	5/5/2010	0	Unregulated	µg/L
Organic	59416	BROMOFORM	5/5/2010	0	TTHM (80)	µg/L
Organic	59416	BROMOMETHANE	5/5/2010	0	Unregulated	µg/L
Organic	59416	CARBON TETRACHLORIDE	5/5/2010	0	5	µg/L
Inorganics	59416	*CHLORIDE	5/5/2010	15.4	250	mg/L
Organic	59416	CHLOROBENZENE	5/5/2010	0	100	µg/L
Organic	59416	CHLOROETHANE	5/5/2010	0	Unregulated	µg/L
Organic	59416	CHLOROFORM	5/5/2010	0	TTHM (80)	µg/L
Organic	59416	CHLOROMETHANE	5/5/2010	0	Unregulated	µg/L
Organic	59416	CIS-1,2-DICHLOROETHYLENE	5/5/2010	0	70	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	59416	CIS-1,3-DICHLOROPROPENE	5/5/2010	0	Unregulated	µg/L
Organic	59416	DIBROMOCHLOROMETHANE	5/5/2010	0	5	µg/L
Organic	59416	DIBROMOMETHANE	5/5/2010	0	Unregulated	µg/L
Organic	59416	DICHLORODIFLUOROMETHANE	5/5/2010	0	Unregulated	µg/L
Organic	59416	DICHLOROMETHANE	5/5/2010	0	5	µg/L
Petroleum Hydrocarbon	59416	ETHYLBENZENE	5/5/2010	0	700	µg/L
Organic	59416	ETHYLENE DIBROMIDE	5/5/2010	0	0.05	µg/L
Inorganics	59416	*FLUORIDE	5/5/2010	0	2	mg/L
Inorganics	59416	*HARDNESS, TOTAL (AS CaCO3)	5/5/2010	16.2	200	mg/L
Organic	59416	HEXACHLOROBUTADIENE	5/5/2010	0	Unregulated	µg/L
Metals	59416	*IRON	5/5/2010	8.4	0.3	mg/L
Organic	59416	ISOPROPYLBENZENE	5/5/2010	0	Unregulated	µg/L
Organic	59416	M-DICHLOROBENZENE	5/5/2010	0	Unregulated	µg/L
Petroleum Hydrocarbon	59416	***METHYL TERT-BUTYL ETHER	5/5/2010	17.8	10	µg/L
Organic	59416	NAPHTHALENE	5/5/2010	0	Unregulated	µg/L
Organic	59416	N-BUTYLBENZENE	5/5/2010	0	Unregulated	µg/L
Nutrient	59416	NITRATE	5/5/2010	0	10	mg/L
Nutrient	59416	NITRATE-NITRITE	5/5/2010	0	10	mg/L
Nutrient	59416	NITRITE	5/5/2010	0	1	mg/L
Organic	59416	N-PROPYLBENZENE	5/5/2010	0	Unregulated	µg/L
Organic	59416	O-CHLOROTOLUENE	5/5/2010	0	Unregulated	µg/L
Organic	59416	O-DICHLOROBENZENE	5/5/2010	0	600	µg/L
Organic	59416	P-CHLOROTOLUENE	5/5/2010	0	Unregulated	µg/L
Organic	59416	P-DICHLOROBENZENE	5/5/2010	0	75	µg/L
Inorganics	59416	*PH	5/5/2010	5.8	6.5-8.6	pH Units
Organic	59416	P-ISOPROPYLTOLUENE	5/5/2010	0	Unregulated	µg/L
Organic	59416	SEC-BUTYLBENZENE	5/5/2010	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Metals	59416	**SODIUM	5/5/2010	13.2	20	mg/L
Organic	59416	STYRENE	5/5/2010	0	100	µg/L
Inorganics	59416	*SULFATE	5/5/2010	35.8	250	mg/L
Inorganics	59416	*TDS	5/5/2010	120	500	mg/L
Organic	59416	TERT-BUTYLBENZENE	5/5/2010	0	Unregulated	µg/L
Organic	59416	***TETRACHLOROETHYLENE	5/5/2010	0	1	µg/L
Petroleum Hydrocarbon	59416	TOLUENE	5/5/2010	0	1,000	µg/L
Organic	59416	TRANS-1,2-DICHLOROETHYLENE	5/5/2010	0	100	µg/L
Organic	59416	TRANS-1,3-DICHLOROPROPENE	5/5/2010	0	Unregulated	µg/L
Organic	59416	***TRICHLOROETHYLENE	5/5/2010	0	1	µg/L
Organic	59416	TRICHLOROFLUOROMETHANE	5/5/2010	0	Unregulated	µg/L
Organic	59416	***VINYL CHLORIDE	5/5/2010	0	1	µg/L
Petroleum Hydrocarbon	59416	XYLENES, TOTAL	5/5/2010	0	10,000	µg/L
Petroleum Hydrocarbon	59416	***METHYL TERT-BUTYL ETHER	6/7/2010	19.7	10	µg/L
Petroleum Hydrocarbon	59416	***METHYL TERT-BUTYL ETHER	7/8/2010	18	10	µg/L
Petroleum Hydrocarbon	59416	***METHYL TERT-BUTYL ETHER	8/2/2010	0	10	µg/L
Organic	59416	DIBROMOACETIC ACID	8/16/2010	0	Unregulated	µg/L
Organic	59416	MONOBROMOACETIC ACID	8/16/2010	0	Unregulated	µg/L
Organic	59416	TRICHLOROACETIC ACID	8/16/2010	0	Unregulated	µg/L
Organic	59416	TRICHLOROACETIC ACID	8/16/2010	0	Unregulated	µg/L
Organic	59416	1,1,1,2-TETRACHLOROETHANE	9/1/2010	0	Unregulated	µg/L
Organic	59416	1,1,1-TRICHLOROETHANE	9/1/2010	0	200	µg/L
Organic	59416	1,1,2,2-TETRACHLOROETHANE	9/1/2010	0	Unregulated	µg/L
Organic	59416	1,1,2-TRICHLOROETHANE	9/1/2010	0	5	µg/L
Organic	59416	1,1-DICHLOROETHANE	9/1/2010	0	7	µg/L
Organic	59416	1,1-DICHLOROETHYLENE	9/1/2010	0	7	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	59416	1,1-DICHLOROPROPENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	1,2,3-TRICHLOROBENZENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	1,2,3-TRICHLOROPROPANE	9/1/2010	0	Unregulated	µg/L
Organic	59416	1,2,4-TRICHLOROBENZENE	9/1/2010	0	70	µg/L
Organic	59416	1,2,4-TRIMETHYLBENZENE	9/1/2010	0	70	µg/L
Organic	59416	1,2-DIBROMO-3-CHLOROPROPANE	9/1/2010	0	0.2	µg/L
Organic	59416	1,2-DICHLOROETHANE	9/1/2010	0	5	µg/L
Organic	59416	1,2-DICHLOROPROPANE	9/1/2010	0	Unregulated	µg/L
Organic	59416	1,3,5-TRIMETHYLBENZENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	1,3-DICHLOROPROPANE	9/1/2010	0	Unregulated	µg/L
Organic	59416	2,2-DICHLOROPROPANE	9/1/2010	0	Unregulated	µg/L
Petroleum Hydrocarbon	59416	BENZENE	9/1/2010	0	5	µg/L
Organic	59416	BROMOBENZENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	BROMOCHLOROMETHANE	9/1/2010	0	Unregulated	µg/L
Organic	59416	BROMODICHLOROMETHANE	9/1/2010	0	Unregulated	µg/L
Organic	59416	BROMOFORM	9/1/2010	0	TTHM (80)	µg/L
Organic	59416	BROMOMETHANE	9/1/2010	0	Unregulated	µg/L
Organic	59416	CARBON TETRACHLORIDE	9/1/2010	0	5	µg/L
Organic	59416	CHLOROBENZENE	9/1/2010	0	100	µg/L
Organic	59416	CHLOROETHANE	9/1/2010	0	Unregulated	µg/L
Organic	59416	CHLOROFORM	9/1/2010	0	TTHM (80)	µg/L
Organic	59416	CHLOROMETHANE	9/1/2010	0	Unregulated	µg/L
Organic	59416	CIS-1,2-DICHLOROETHYLENE	9/1/2010	0	70	µg/L
Organic	59416	CIS-1,3-DICHLOROPROPENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	DIBROMOCHLOROMETHANE	9/1/2010	0	5	µg/L
Organic	59416	DIBROMOMETHANE	9/1/2010	0	Unregulated	µg/L
Organic	59416	DICHLORODIFLUOROMETHANE	9/1/2010	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	59416	DICHLOROMETHANE	9/1/2010	0	5	µg/L
Petroleum Hydrocarbon	59416	ETHYLBENZENE	9/1/2010	0	700	µg/L
Organic	59416	ETHYLENE DIBROMIDE	9/1/2010	0	0.05	µg/L
Organic	59416	HEXACHLOROBUTADIENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	ISOPROPYLBENZENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	M-DICHLOROBENZENE	9/1/2010	0	Unregulated	µg/L
Petroleum Hydrocarbon	59416	***METHYL TERT-BUTYL ETHER	9/1/2010	17.2	10	µg/L
Organic	59416	NAPHTHALENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	N-BUTYLBENZENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	N-PROPYLBENZENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	O-CHLOROTOLUENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	O-DICHLOROBENZENE	9/1/2010	0	600	µg/L
Organic	59416	P-CHLOROTOLUENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	P-DICHLOROBENZENE	9/1/2010	0	75	µg/L
Organic	59416	P-ISOPROPYLTOLUENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	SEC-BUTYLBENZENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	STYRENE	9/1/2010	0	100	µg/L
Organic	59416	TERT-BUTYLBENZENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	***TETRACHLOROETHYLENE	9/1/2010	0	1	µg/L
Petroleum Hydrocarbon	59416	TOLUENE	9/1/2010	0	1,000	µg/L
Organic	59416	TRANS-1,2-DICHLOROETHYLENE	9/1/2010	0	100	µg/L
Organic	59416	TRANS-1,3-DICHLOROPROPENE	9/1/2010	0	Unregulated	µg/L
Organic	59416	***TRICHLOROETHYLENE	9/1/2010	0	1	µg/L
Organic	59416	TRICHLOROFLUOROMETHANE	9/1/2010	0	Unregulated	µg/L
Organic	59416	***VINYL CHLORIDE	9/1/2010	0	1	µg/L
Petroleum Hydrocarbon	59416	XYLENES, TOTAL	9/1/2010	0	10,000	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Petroleum Hydrocarbon	59416	***METHYL TERT-BUTYL ETHER	10/13/2010	8.4	10	µg/L
Petroleum Hydrocarbon	59416	***METHYL TERT-BUTYL ETHER	11/15/2010	28.2	10	µg/L
Petroleum Hydrocarbon	59416	***METHYL TERT-BUTYL ETHER	12/21/2010	27.8	10	µg/L
Petroleum Hydrocarbon	59416	***METHYL TERT-BUTYL ETHER	1/19/2011	28.1	10	µg/L
Petroleum Hydrocarbon	59416	***METHYL TERT-BUTYL ETHER	2/16/2011	38.7	10	µg/L
Petroleum Hydrocarbon	59416	***METHYL TERT-BUTYL ETHER	3/17/2011	43.1	10	µg/L
Petroleum Hydrocarbon	59416	***METHYL TERT-BUTYL ETHER	4/25/2011	28	10	µg/L
Organic	59416	1,1,1,2-TETRACHLOROETHANE	4/2/2013	0	Unregulated	µg/L
Organic	59416	1,1,1-TRICHLOROETHANE	4/2/2013	0	200	µg/L
Organic	59416	1,1,2,2-TETRACHLOROETHANE	4/2/2013	0	Unregulated	µg/L
Organic	59416	1,1,2-TRICHLOROETHANE	4/2/2013	0	5	µg/L
Organic	59416	1,1-DICHLOROETHANE	4/2/2013	0	7	µg/L
Organic	59416	1,1-DICHLOROETHYLENE	4/2/2013	0	7	µg/L
Organic	59416	1,1-DICHLOROPROPENE	4/2/2013	0	Unregulated	µg/L
Organic	59416	1,2,3-TRICHLOROBENZENE	4/2/2013	0	Unregulated	µg/L
Organic	59416	1,2,3-TRICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L
Organic	59416	1,2,3-TRICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L
Organic	59416	1,2,4-TRICHLOROBENZENE	4/2/2013	0	70	µg/L
Organic	59416	1,2,4-TRIMETHYLBENZENE	4/2/2013	0	70	µg/L
Organic	59416	1,2-DIBROMO-3-CHLOROPROPANE	4/2/2013	0	0.2	µg/L
Organic	59416	1,2-DIBROMO-3-CHLOROPROPANE	4/2/2013	0	0.2	µg/L
Organic	59416	1,2-DICHLOROETHANE	4/2/2013	0	5	µg/L
Organic	59416	1,2-DICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L
Organic	59416	1,3,5-TRIMETHYLBENZENE	4/2/2013	0	Unregulated	µg/L
Organic	59416	1,3-DICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L
Organic	59416	2,2-DICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	59416	2,4,5-T	4/2/2013	0	Unregulated	µg/L
Organic	59416	2,4,5-TP	4/2/2013	0	50	µg/L
Organic	59416	2,4-D	4/2/2013	0	70	µg/L
Organic	59416	3-HYDROXYCARBOFURAN	4/2/2013	0	Unregulated	µg/L
Pesticide	59416	ACIFLUORFEN	4/2/2013	0	Unregulated	µg/L
Pesticide	59416	ALDICARB	4/2/2013	0	3	µg/L
Pesticide	59416	ALDICARB SULFONE	4/2/2013	0	4	µg/L
Pesticide	59416	ALDICARB SULFOXIDE	4/2/2013	0	2	µg/L
Pesticide	59416	ALDRIN	4/2/2013	0	Unregulated	µg/L
Inorganics	59416	ALKALINITY, TOTAL	4/2/2013	17	Unregulated	mg/L
Metals	59416	ANTIMONY, TOTAL	4/2/2013	0	0.006	mg/L
PCBs	59416	AROCLOR 1016	4/2/2013	0	0.5	µg/L
PCBs	59416	AROCLOR 1221	4/2/2013	0	0.5	µg/L
PCBs	59416	AROCLOR 1232	4/2/2013	0	0.5	µg/L
PCBs	59416	AROCLOR 1242	4/2/2013	0	0.5	µg/L
PCBs	59416	AROCLOR 1248	4/2/2013	0	0.5	µg/L
PCBs	59416	AROCLOR 1254	4/2/2013	0	0.5	µg/L
PCBs	59416	AROCLOR 1260	4/2/2013	0	0.5	µg/L
Metals	59416	ARSENIC	4/2/2013	0.0006	0.01	mg/L
Pesticide	59416	ATRAZINE	4/2/2013	0	3	µg/L
Metals	59416	BARIUM	4/2/2013	0.1274	1	mg/L
Pesticide	59416	BAYGON	4/2/2013	0	Unregulated	µg/L
Petroleum Hydrocarbon	59416	BENZENE	4/2/2013	0	5	µg/L
Pesticide	59416	BENZO(A)PYRENE	4/2/2013	0	0.2	µg/L
Metals	59416	BERYLLIUM, TOTAL	4/2/2013	0	0.004	mg/L
Pesticide	59416	BHC-GAMMA	4/2/2013	0	0.2	µg/L
Organic	59416	BROMOBENZENE	4/2/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	59416	BROMOCHLOROMETHANE	4/2/2013	0	Unregulated	µg/L
Organic	59416	BROMODICHLOROMETHANE	4/2/2013	0	Unregulated	µg/L
Organic	59416	BROMOFORM	4/2/2013	0	TTHM (80)	µg/L
Organic	59416	BROMOMETHANE	4/2/2013	0	Unregulated	µg/L
Pesticide	59416	BUTACHLOR	4/2/2013	0	Unregulated	µg/L
Metals	59416	CADMIUM	4/2/2013	0	0.005	mg/L
Pesticide	59416	CARBARYL	4/2/2013	0	Unregulated	µg/L
Pesticide	59416	CARBOFURAN	4/2/2013	0	40	µg/L
Organic	59416	CARBON TETRACHLORIDE	4/2/2013	0	5	µg/L
Organic	59416	CARBON, TOTAL	4/2/2013	3.6	Unregulated	mg/L
Organic	59416	CHLORDANE	4/2/2013	0	2	mg/L
Inorganics	59416	*CHLORIDE	4/2/2013	16.2	250	mg/L
Organic	59416	CHLOROBENZENE	4/2/2013	0	100	µg/L
Organic	59416	CHLOROETHANE	4/2/2013	0	Unregulated	µg/L
Organic	59416	CHLOROFORM	4/2/2013	0	TTHM (80)	µg/L
Organic	59416	CHLOROMETHANE	4/2/2013	0	Unregulated	µg/L
Metals	59416	CHROMIUM	4/2/2013	0.0012	0.1	mg/L
Organic	59416	CIS-1,2-DICHLOROETHYLENE	4/2/2013	0	70	µg/L
Organic	59416	CIS-1,3-DICHLOROPROPENE	4/2/2013	0	Unregulated	µg/L
Pathogens	59416	COLIFORM (TCR)	4/2/2013	0	0	cfu
	59416	CONDUCTIVITY @ 25 C UMHOS/CM	4/2/2013	158	Unregulated	UMHO/CM
Metals	59416	*COPPER, FREE	4/2/2013	0.0065	1	mg/L
Pesticide	59416	DALAPON	4/2/2013	0	200	µg/L
Organic	59416	DI(2-ETHYLHEXYL) ADIPATE	4/2/2013	0	400	µg/L
Organic	59416	DI(2-ETHYLHEXYL) PHTHALATE	4/2/2013	0	6	µg/L
Organic	59416	DIBROMOCHLOROMETHANE	4/2/2013	0	5	µg/L
Organic	59416	DIBROMOMETHANE	4/2/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Pesticide	59416	DICAMBA	4/2/2013	0	Unregulated	µg/L
Organic	59416	DICHLORODIFLUOROMETHANE	4/2/2013	0	Unregulated	µg/L
Organic	59416	DICHLOROMETHANE	4/2/2013	0	5	µg/L
Pesticide	59416	DIELDRIN	4/2/2013	0	Unregulated	µg/L
Pesticide	59416	DINOSEB	4/2/2013	0	7	µg/L
Pesticide	59416	ENDRIN	4/2/2013	0	2	µg/L
Petroleum Hydrocarbon	59416	ETHYLBENZENE	4/2/2013	0	700	µg/L
Organic	59416	ETHYLENE DIBROMIDE	4/2/2013	0	0.05	µg/L
Organic	59416	ETHYLENE DIBROMIDE	4/2/2013	0	0.05	µg/L
Inorganics	59416	*FLUORIDE	4/2/2013	0	2	mg/L
Inorganics	59416	FREE RESIDUAL CHLORINE	4/2/2013	0	MRDL=4.3	mg/L
Inorganics	59416	*HARDNESS, TOTAL (AS CaCO3)	4/2/2013	8.3	200	mg/L
Organic	59416	HEPTACHLOR	4/2/2013	0	0.2	µg/L
Organic	59416	HEPTACHLOR EPOXIDE	4/2/2013	0	0.2	µg/L
Pesticide	59416	HEXACHLOROBENZENE	4/2/2013	0	1	µg/L
Organic	59416	HEXACHLOROBUTADIENE	4/2/2013	0	Unregulated	µg/L
Pesticide	59416	HEXACHLOROCYCLOPENTADIENE	4/2/2013	0	Unregulated	µg/L
Organic	59416	HYDROGEN SULFIDE	4/2/2013	0	Unregulated	µg/L
Metals	59416	*IRON	4/2/2013	12.2	0.3	mg/L
Organic	59416	ISOPROPYLBENZENE	4/2/2013	0	Unregulated	µg/L
Pesticide	59416	LASSO	4/2/2013	0	0.2	µg/L
Metals	59416	LEAD	4/2/2013	0	0.015	mg/L
Metals	59416	*MANGANESE	4/2/2013	0.0663	0.05	mg/L
Organic	59416	M-DICHLOROBENZENE	4/2/2013	0	Unregulated	µg/L
Metals	59416	MERCURY	4/2/2013	0	0.002	mg/L
Pesticide	59416	METHIOCARB	4/2/2013	0	Unregulated	mg/L
Pesticide	59416	METHOMYL	4/2/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	59416	METHOXYCHLOR	4/2/2013	0	40	µg/L
Petroleum Hydrocarbon	59416	***METHYL TERT-BUTYL ETHER	4/2/2013	21.1	10	µg/L
Pesticide	59416	METOLACHLOR	4/2/2013	0	Unregulated	µg/L
Pesticide	59416	METRIBUZIN	4/2/2013	0	Unregulated	µg/L
Organic	59416	NAPHTHALENE	4/2/2013	0	Unregulated	µg/L
Organic	59416	N-BUTYLBENZENE	4/2/2013	0	Unregulated	µg/L
Metals	59416	***NICKEL	4/2/2013	0.003	0.1	mg/L
Nutrient	59416	NITRATE	4/2/2013	0	10	mg/L
Nutrient	59416	NITRITE	4/2/2013	0	1	mg/L
Organic	59416	N-PROPYLBENZENE	4/2/2013	0	Unregulated	µg/L
Organic	59416	O-CHLOROTOLUENE	4/2/2013	0	Unregulated	µg/L
Organic	59416	O-DICHLOROBENZENE	4/2/2013	0	600	µg/L
Pesticide	59416	OXAMYL	4/2/2013	0	200	µg/L
Organic	59416	P-CHLOROTOLUENE	4/2/2013	0	Unregulated	µg/L
Organic	59416	P-DICHLOROBENZENE	4/2/2013	0	75	µg/L
Organic	59416	PENTACHLOROPHENOL	4/2/2013	0	1	µg/L
Inorganics	59416	*PH	4/2/2013	6.24	6.5-8.6	pH Units
Inorganics	59416	*PH	4/2/2013	5.64	6.5-8.6	pH Units
Inorganics	59416	*PH	4/2/2013	5.64	6.5-8.6	pH Units
Pesticide	59416	PICLORAM	4/2/2013	0	500	µg/L
Organic	59416	P-ISOPROPYLTOLUENE	4/2/2013	0	Unregulated	µg/L
Pesticide	59416	PROPACHLOR	4/2/2013	0	Unregulated	µg/L
Organic	59416	SEC-BUTYLBENZENE	4/2/2013	0	Unregulated	µg/L
Metals	59416	SELENIUM	4/2/2013	0	0.01	mg/L
Pesticide	59416	SIMAZINE	4/2/2013	0	4	µg/L
Metals	59416	**SODIUM	4/2/2013	12.6	20	mg/L
Organic	59416	STYRENE	4/2/2013	0	100	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Inorganics	59416	*SULFATE	4/2/2013	36.9	250	mg/L
Inorganics	59416	*TDS	4/2/2013	138	500	mg/L
Organic	59416	TERT-BUTYLBENZENE	4/2/2013	0	Unregulated	µg/L
Organic	59416	***TETRACHLOROETHYLENE	4/2/2013	0	1	µg/L
Metals	59416	THALLIUM, TOTAL	4/2/2013	0	0.002	mg/L
Petroleum Hydrocarbon	59416	TOLUENE	4/2/2013	0	1,000	µg/L
Pesticide	59416	TOXAPHENE	4/2/2013	0	3	µg/L
Organic	59416	TRANS-1,2-DICHLOROETHYLENE	4/2/2013	0	100	µg/L
Organic	59416	TRANS-1,3-DICHLOROPROPENE	4/2/2013	0	Unregulated	µg/L
Organic	59416	***TRICHLOROETHYLENE	4/2/2013	0	1	µg/L
Organic	59416	TRICHLOROFLUOROMETHANE	4/2/2013	0	Unregulated	µg/L
Metals	59416	URANIUM-238	4/2/2013	0	0.03	mg/L
Organic	59416	***VINYL CHLORIDE	4/2/2013	0	1	µg/L
Petroleum Hydrocarbon	59416	XYLENES, TOTAL	4/2/2013	0	10,000	µg/L
Organic	100905	1,1,1,2-TETRACHLOROETHANE	11/4/2009	0	Unregulated	µg/L
Organic	100905	1,1,1-TRICHLOROETHANE	11/4/2009	0	200	µg/L
Organic	100905	1,1,2,2-TETRACHLOROETHANE	11/4/2009	0	Unregulated	µg/L
Organic	100905	1,1,2-TRICHLOROETHANE	11/4/2009	0	5	µg/L
Organic	100905	1,1-DICHLOROETHANE	11/4/2009	0	7	µg/L
Organic	100905	1,1-DICHLOROETHYLENE	11/4/2009	0	7	µg/L
Organic	100905	1,1-DICHLOROPROPENE	11/4/2009	0	Unregulated	µg/L
Organic	100905	1,2,3-TRICHLOROBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	100905	1,2,3-TRICHLOROPROPANE	11/4/2009	0	Unregulated	µg/L
Organic	100905	1,2,4-TRICHLOROBENZENE	11/4/2009	0	70	µg/L
Organic	100905	1,2,4-TRIMETHYLBENZENE	11/4/2009	0	70	µg/L
Organic	100905	1,2-DIBROMO-3-CHLOROPROPANE	11/4/2009	0	0.2	µg/L
Organic	100905	1,2-DICHLOROETHANE	11/4/2009	0.57	5	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	100905	1,2-DICHLOROPROPANE	11/4/2009	0	Unregulated	µg/L
Organic	100905	1,3,5-TRIMETHYLBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	100905	1,3-DICHLOROPROPANE	11/4/2009	0	Unregulated	µg/L
Organic	100905	2,2-DICHLOROPROPANE	11/4/2009	0	Unregulated	µg/L
Inorganics	100905	ALKALINITY, TOTAL	11/4/2009	25	Unregulated	mg/L
Petroleum Hydrocarbon	100905	BENZENE	11/4/2009	0	5	µg/L
Organic	100905	BROMOBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	100905	BROMOCHLOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	100905	BROMODICHLOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	100905	BROMOFORM	11/4/2009	0	TTHM (80)	µg/L
Organic	100905	BROMOMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	100905	CARBON TETRACHLORIDE	11/4/2009	0	5	µg/L
Inorganics	100905	*CHLORIDE	11/4/2009	17.4	250	mg/L
Organic	100905	CHLOROBENZENE	11/4/2009	0	100	µg/L
Organic	100905	CHLOROETHANE	11/4/2009	0	Unregulated	µg/L
Organic	100905	CHLOROFORM	11/4/2009	0	TTHM (80)	µg/L
Organic	100905	CHLOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	100905	CIS-1,2-DICHLOROETHYLENE	11/4/2009	0	70	µg/L
Organic	100905	CIS-1,3-DICHLOROPROPENE	11/4/2009	0	Unregulated	µg/L
Pathogens	100905	COLIFORM (TCR)	11/4/2009	0	0	cfu
Organic	100905	DIBROMOCHLOROMETHANE	11/4/2009	0	5	µg/L
Organic	100905	DIBROMOMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	100905	DICHLORODIFLUOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	100905	DICHLOROMETHANE	11/4/2009	0	5	µg/L
Petroleum Hydrocarbon	100905	ETHYLBENZENE	11/4/2009	0	700	µg/L
Organic	100905	ETHYLENE DIBROMIDE	11/4/2009	0	0.05	µg/L
Inorganics	100905	*FLUORIDE	11/4/2009	0	2	mg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Inorganics	100905	*HARDNESS, TOTAL (AS CaCO ₃)	11/4/2009	8.6	200	mg/L
Organic	100905	HEXACHLOROBUTADIENE	11/4/2009	0	Unregulated	µg/L
Metals	100905	*IRON	11/4/2009	7.34	0.3	mg/L
Organic	100905	ISOPROPYLBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	100905	M-DICHLOROBENZENE	11/4/2009	0	Unregulated	µg/L
Petroleum Hydrocarbon	100905	***METHYL TERT-BUTYL ETHER	11/4/2009	0	10	µg/L
Organic	100905	NAPHTHALENE	11/4/2009	0	Unregulated	µg/L
Organic	100905	N-BUTYLBENZENE	11/4/2009	0	Unregulated	µg/L
Nutrient	100905	NITRATE	11/4/2009	0	10	mg/L
Nutrient	100905	NITRITE	11/4/2009	0	1	mg/L
Organic	100905	N-PROPYLBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	100905	O-CHLOROTOLUENE	11/4/2009	0	Unregulated	µg/L
Organic	100905	O-DICHLOROBENZENE	11/4/2009	0	600	µg/L
Organic	100905	P-CHLOROTOLUENE	11/4/2009	0	Unregulated	µg/L
Organic	100905	P-DICHLOROBENZENE	11/4/2009	0	75	µg/L
Inorganics	100905	*PH	11/4/2009	6.2	6.5-8.6	pH Units
Organic	100905	P-ISOPROPYLTOLUENE	11/4/2009	0	Unregulated	µg/L
Organic	100905	SEC-BUTYLBENZENE	11/4/2009	0	Unregulated	µg/L
Metals	100905	**SODIUM	11/4/2009	9	20	mg/L
Organic	100905	STYRENE	11/4/2009	0	100	µg/L
Inorganics	100905	*SULFATE	11/4/2009	3.6	250	mg/L
Inorganics	100905	*TDS	11/4/2009	104	500	mg/L
Organic	100905	TERT-BUTYLBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	100905	***TETRACHLOROETHYLENE	11/4/2009	0	1	µg/L
Petroleum Hydrocarbon	100905	TOLUENE	11/4/2009	0	1,000	µg/L
Organic	100905	TRANS-1,2-DICHLOROETHYLENE	11/4/2009	0	100	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	100905	TRANS-1,3-DICHLOROPROPENE	11/4/2009	0	Unregulated	µg/L
Organic	100905	***TRICHLOROETHYLENE	11/4/2009	0	1	µg/L
Organic	100905	TRICHLOROFLUOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	100905	***VINYL CHLORIDE	11/4/2009	0	1	µg/L
Petroleum Hydrocarbon	100905	XYLENES, TOTAL	11/4/2009	0	10,000	µg/L
Petroleum Hydrocarbon	100905	***METHYL TERT-BUTYL ETHER	6/7/2010	0	10	µg/L
Petroleum Hydrocarbon	100905	***METHYL TERT-BUTYL ETHER	7/8/2010	0	10	µg/L
Petroleum Hydrocarbon	100905	***METHYL TERT-BUTYL ETHER	8/2/2010	0	10	µg/L
Petroleum Hydrocarbon	100905	***METHYL TERT-BUTYL ETHER	9/15/2010	0	10	µg/L
Petroleum Hydrocarbon	100905	***METHYL TERT-BUTYL ETHER	10/13/2010	0	10	µg/L
Petroleum Hydrocarbon	100905	***METHYL TERT-BUTYL ETHER	11/15/2010	0	10	µg/L
Pathogens	100905	COLIFORM (TCR)	12/21/2010	0	0	cfu
Petroleum Hydrocarbon	100905	***METHYL TERT-BUTYL ETHER	12/21/2010	0	10	µg/L
Petroleum Hydrocarbon	100905	***METHYL TERT-BUTYL ETHER	1/19/2011	0	10	µg/L
Petroleum Hydrocarbon	100905	***METHYL TERT-BUTYL ETHER	2/16/2011	4	10	µg/L
Petroleum Hydrocarbon	100905	***METHYL TERT-BUTYL ETHER	3/17/2011	4.3	10	µg/L
Petroleum Hydrocarbon	100905	***METHYL TERT-BUTYL ETHER	4/25/2011	3.2	10	µg/L
Organic	100905	1,1,1,2-TETRACHLOROETHANE	4/2/2013	0	Unregulated	µg/L
Organic	100905	1,1,1-TRICHLOROETHANE	4/2/2013	0	200	µg/L
Organic	100905	1,1,2,2-TETRACHLOROETHANE	4/2/2013	0	Unregulated	µg/L
Organic	100905	1,1,2-TRICHLOROETHANE	4/2/2013	0	5	µg/L
Organic	100905	1,1-DICHLOROETHANE	4/2/2013	0	7	µg/L
Organic	100905	1,1-DICHLOROETHYLENE	4/2/2013	0	7	µg/L
Organic	100905	1,1-DICHLOROPROPENE	4/2/2013	0	Unregulated	µg/L
Organic	100905	1,2,3-TRICHLOROBENZENE	4/2/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	100905	1,2,3-TRICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L
Organic	100905	1,2,3-TRICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L
Organic	100905	1,2,4-TRICHLOROBENZENE	4/2/2013	0	70	µg/L
Organic	100905	1,2,4-TRIMETHYLBENZENE	4/2/2013	0	70	µg/L
Organic	100905	1,2-DIBROMO-3-CHLOROPROPANE	4/2/2013	0	0.2	µg/L
Organic	100905	1,2-DIBROMO-3-CHLOROPROPANE	4/2/2013	0	0.2	µg/L
Organic	100905	1,2-DICHLOROETHANE	4/2/2013	0.54	5	µg/L
Organic	100905	1,2-DICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L
Organic	100905	1,3,5-TRIMETHYLBENZENE	4/2/2013	0	Unregulated	µg/L
Organic	100905	1,3-DICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L
Organic	100905	2,2-DICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L
Organic	100905	2,4,5-T	4/2/2013	0	Unregulated	µg/L
Organic	100905	2,4,5-TP	4/2/2013	0	50	µg/L
Organic	100905	2,4-D	4/2/2013	0	70	µg/L
Organic	100905	3-HYDROXYCARBOFURAN	4/2/2013	0	Unregulated	µg/L
Pesticide	100905	ACIFLUORFEN	4/2/2013	0	Unregulated	µg/L
Pesticide	100905	ALDICARB	4/2/2013	0	3	µg/L
Pesticide	100905	ALDICARB SULFONE	4/2/2013	0	4	µg/L
Pesticide	100905	ALDICARB SULFOXIDE	4/2/2013	0	2	µg/L
Pesticide	100905	ALDRIN	4/2/2013	0	Unregulated	µg/L
Inorganics	100905	ALKALINITY, TOTAL	4/2/2013	25	Unregulated	mg/L
Metals	100905	ANTIMONY, TOTAL	4/2/2013	0	0.006	mg/L
PCBs	100905	AROCLOR 1016	4/2/2013	0	0.5	µg/L
PCBs	100905	AROCLOR 1221	4/2/2013	0	0.5	µg/L
PCBs	100905	AROCLOR 1232	4/2/2013	0	0.5	µg/L
PCBs	100905	AROCLOR 1242	4/2/2013	0	0.5	µg/L
PCBs	100905	AROCLOR 1248	4/2/2013	0	0.5	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
PCBs	100905	AROCLOR 1254	4/2/2013	0	0.5	µg/L
PCBs	100905	AROCLOR 1260	4/2/2013	0	0.5	µg/L
Metals	100905	ARSENIC	4/2/2013	0.0005	0.01	mg/L
Pesticide	100905	ATRAZINE	4/2/2013	0	3	µg/L
Metals	100905	BARIUM	4/2/2013	0.0542	1	mg/L
Pesticide	100905	BAYGON	4/2/2013	0	Unregulated	µg/L
Petroleum Hydrocarbon	100905	BENZENE	4/2/2013	0	5	µg/L
Pesticide	100905	BENZO(A)PYRENE	4/2/2013	0	0.2	µg/L
Metals	100905	BERYLLIUM, TOTAL	4/2/2013	0	0.004	mg/L
Pesticide	100905	BHC-GAMMA	4/2/2013	0	0.2	µg/L
Organic	100905	BROMOBENZENE	4/2/2013	0	Unregulated	µg/L
Organic	100905	BROMOCHLOROMETHANE	4/2/2013	0	Unregulated	µg/L
Organic	100905	BROMODICHLOROMETHANE	4/2/2013	0	Unregulated	µg/L
Organic	100905	BROMOFORM	4/2/2013	0	TTHM (80)	µg/L
Organic	100905	BROMOMETHANE	4/2/2013	0	Unregulated	µg/L
Pesticide	100905	BUTACHLOR	4/2/2013	0	Unregulated	µg/L
Metals	100905	CADMIUM	4/2/2013	0	0.005	mg/L
Pesticide	100905	CARBARYL	4/2/2013	0	Unregulated	µg/L
Pesticide	100905	CARBOFURAN	4/2/2013	0	40	µg/L
Organic	100905	CARBON TETRACHLORIDE	4/2/2013	0	5	µg/L
Organic	100905	CARBON, TOTAL	4/2/2013	4.5	Unregulated	mg/L
Organic	100905	CHLORDANE	4/2/2013	0	2	mg/L
Inorganics	100905	*CHLORIDE	4/2/2013	16.3	250	mg/L
Organic	100905	CHLOROBENZENE	4/2/2013	0	100	µg/L
Organic	100905	CHLOROETHANE	4/2/2013	0	Unregulated	µg/L
Organic	100905	CHLOROFORM	4/2/2013	0	TTHM (80)	µg/L
Organic	100905	CHLOROMETHANE	4/2/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Metals	100905	CHROMIUM	4/2/2013	0.003	0.1	mg/L
Organic	100905	CIS-1,2-DICHLOROETHYLENE	4/2/2013	0	70	µg/L
Organic	100905	CIS-1,3-DICHLOROPROPENE	4/2/2013	0	Unregulated	µg/L
Pathogens	100905	COLIFORM (TCR)	4/2/2013	0	0	cfu
	100905	CONDUCTIVITY @ 25 C UMHOS/CM	4/2/2013	106	Unregulated	UMHO/CM
Metals	100905	*COPPER, FREE	4/2/2013	0.004	1	mg/L
Pesticide	100905	DALAPON	4/2/2013	0	200	µg/L
Organic	100905	DI(2-ETHYLHEXYL) ADIPATE	4/2/2013	0	400	µg/L
Organic	100905	DI(2-ETHYLHEXYL) PHTHALATE	4/2/2013	0	6	µg/L
Organic	100905	DIBROMOCHLOROMETHANE	4/2/2013	0	5	µg/L
Organic	100905	DIBROMOMETHANE	4/2/2013	0	Unregulated	µg/L
Pesticide	100905	DICAMBA	4/2/2013	0	Unregulated	µg/L
Organic	100905	DICHLORODIFLUOROMETHANE	4/2/2013	0	Unregulated	µg/L
Organic	100905	DICHLOROMETHANE	4/2/2013	0	5	µg/L
Pesticide	100905	DIELDRIN	4/2/2013	0	Unregulated	µg/L
Pesticide	100905	DINOSEB	4/2/2013	0	7	µg/L
Pesticide	100905	ENDRIN	4/2/2013	0	2	µg/L
Petroleum Hydrocarbon	100905	ETHYLBENZENE	4/2/2013	0	700	µg/L
Organic	100905	ETHYLENE DIBROMIDE	4/2/2013	0	0.05	µg/L
Organic	100905	ETHYLENE DIBROMIDE	4/2/2013	0	0.05	µg/L
Inorganics	100905	*FLUORIDE	4/2/2013	0	2	mg/L
Inorganics	100905	*HARDNESS, TOTAL (AS CaCO3)	4/2/2013	9.3	200	mg/L
Organic	100905	HEPTACHLOR	4/2/2013	0	0.4	µg/L
Organic	100905	HEPTACHLOR EPOXIDE	4/2/2013	0	0.2	µg/L
Pesticide	100905	HEXACHLOROBENZENE	4/2/2013	0	1	µg/L
Organic	100905	HEXACHLOROBUTADIENE	4/2/2013	0	Unregulated	µg/L
Pesticide	100905	HEXACHLOROCYCLOPENTADIENE	4/2/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	100905	HYDROGEN SULFIDE	4/2/2013	0	Unregulated	µg/L
Metals	100905	*IRON	4/2/2013	7.95	0.3	mg/L
Organic	100905	ISOPROPYLBENZENE	4/2/2013	0	Unregulated	µg/L
Pesticide	100905	LASSO	4/2/2013	0	0.2	µg/L
Metals	100905	LEAD	4/2/2013	0.0017	0.015	mg/L
Metals	100905	*MANGANESE	4/2/2013	0.056	0.05	mg/L
Organic	100905	M-DICHLOROBENZENE	4/2/2013	0	Unregulated	µg/L
Metals	100905	MERCURY	4/2/2013	0	0.002	mg/L
Pesticide	100905	METHIOCARB	4/2/2013	0	Unregulated	mg/L
Pesticide	100905	METHOMYL	4/2/2013	0	Unregulated	µg/L
Organic	100905	METHOXYCHLOR	4/2/2013	0	40	µg/L
Petroleum Hydrocarbon	100905	***METHYL TERT-BUTYL ETHER	4/2/2013	0	10	µg/L
Pesticide	100905	METOLACHLOR	4/2/2013	0	Unregulated	µg/L
Pesticide	100905	METRIBUZIN	4/2/2013	0	Unregulated	µg/L
Organic	100905	NAPHTHALENE	4/2/2013	0	Unregulated	µg/L
Organic	100905	N-BUTYLBENZENE	4/2/2013	0	Unregulated	µg/L
Metals	100905	***NICKEL	4/2/2013	0.0006	0.1	mg/L
Nutrient	100905	NITRATE	4/2/2013	0	10	mg/L
Nutrient	100905	NITRITE	4/2/2013	0	1	mg/L
Organic	100905	N-PROPYLBENZENE	4/2/2013	0	Unregulated	µg/L
Organic	100905	O-CHLOROTOLUENE	4/2/2013	0	Unregulated	µg/L
Organic	100905	O-DICHLOROBENZENE	4/2/2013	0	600	µg/L
Pesticide	100905	OXAMYL	4/2/2013	0	200	µg/L
Organic	100905	P-CHLOROTOLUENE	4/2/2013	0	Unregulated	µg/L
Organic	100905	P-DICHLOROBENZENE	4/2/2013	0	75	µg/L
Organic	100905	PENTACHLOROPHENOL	4/2/2013	0	1	µg/L
Inorganics	100905	*PH	4/2/2013	5.96	6.5-8.6	pH Units

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Inorganics	100905	*PH	4/2/2013	6.3	6.5-8.6	pH Units
Inorganics	100905	*PH	4/2/2013	5.96	6.5-8.6	pH Units
Pesticide	100905	PICLORAM	4/2/2013	0	500	µg/L
Organic	100905	P-ISOPROPYLTOLUENE	4/2/2013	0	Unregulated	µg/L
Pesticide	100905	PROPACHLOR	4/2/2013	0	Unregulated	µg/L
Organic	100905	SEC-BUTYLBENZENE	4/2/2013	0	Unregulated	µg/L
Metals	100905	SELENIUM	4/2/2013	0	0.01	mg/L
Pesticide	100905	SIMAZINE	4/2/2013	0	4	µg/L
Metals	100905	**SODIUM	4/2/2013	10	20	mg/L
Organic	100905	STYRENE	4/2/2013	0	100	µg/L
Inorganics	100905	*SULFATE	4/2/2013	5.1	250	mg/L
Inorganics	100905	*TDS	4/2/2013	128	500	mg/L
Organic	100905	TERT-BUTYLBENZENE	4/2/2013	0	Unregulated	µg/L
Organic	100905	***TETRACHLOROETHYLENE	4/2/2013	0	1	µg/L
Metals	100905	THALLIUM, TOTAL	4/2/2013	0	0.002	mg/L
Petroleum Hydrocarbon	100905	TOLUENE	4/2/2013	0	1,000	µg/L
Pesticide	100905	TOXAPHENE	4/2/2013	0	3	µg/L
Organic	100905	TRANS-1,2-DICHLOROETHYLENE	4/2/2013	0	100	µg/L
Organic	100905	TRANS-1,3-DICHLOROPROPENE	4/2/2013	0	Unregulated	µg/L
Organic	100905	***TRICHLOROETHYLENE	4/2/2013	0	1	µg/L
Organic	100905	TRICHLOROFLUOROMETHANE	4/2/2013	0	Unregulated	µg/L
Metals	100905	URANIUM-238	4/2/2013	0	0.03	mg/L
Organic	100905	***VINYL CHLORIDE	4/2/2013	0	1	µg/L
Petroleum Hydrocarbon	100905	XYLENES, TOTAL	4/2/2013	0	10,000	µg/L
Pesticide	227016	.ALPHA.-BHC	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	.BETA.-BHC	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	.DELTA.-BHC	4/15/2009	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	227016	1,1,1,2-TETRACHLOROETHANE	4/15/2009	0	Unregulated	µg/L
Organic	227016	1,1,1-TRICHLOROETHANE	4/15/2009	0	200	µg/L
Organic	227016	1,1,2,2-TETRACHLOROETHANE	4/15/2009	0	Unregulated	µg/L
Organic	227016	1,1,2-TRICHLOROETHANE	4/15/2009	0	5	µg/L
Organic	227016	1,1-DICHLOROETHANE	4/15/2009	0	7	µg/L
Organic	227016	1,1-DICHLOROETHYLENE	4/15/2009	0	7	µg/L
Organic	227016	1,1-DICHLOROPROPENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	1,2,3-TRICHLOROBENZENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	1,2,3-TRICHLOROPROPANE	4/15/2009	0	Unregulated	µg/L
Organic	227016	1,2,3-TRICHLOROPROPANE	4/15/2009	0	Unregulated	µg/L
Organic	227016	1,2,4-TRICHLOROBENZENE	4/15/2009	0	70	µg/L
Organic	227016	1,2,4-TRIMETHYLBENZENE	4/15/2009	0	70	µg/L
Organic	227016	1,2-DIBROMO-3-CHLOROPROPANE	4/15/2009	0	0.2	µg/L
Organic	227016	1,2-DIBROMO-3-CHLOROPROPANE	4/15/2009	0	0.2	µg/L
Organic	227016	1,2-DICHLOROETHANE	4/15/2009	0	5	µg/L
Organic	227016	1,2-DICHLOROPROPANE	4/15/2009	0	Unregulated	µg/L
Organic	227016	1,3,5-TRIMETHYLBENZENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	1,3-DICHLOROPROPANE	4/15/2009	0	Unregulated	µg/L
Organic	227016	2,2-DICHLOROPROPANE	4/15/2009	0	Unregulated	µg/L
Organic	227016	2,4,5-TP	4/15/2009	0	50	µg/L
Organic	227016	2,4-D	4/15/2009	0	70	µg/L
Organic	227016	2-CHLOROETHYL VINYL ETHER	4/15/2009	0	Unregulated	µg/L
Organic	227016	2-HEXANONE	4/15/2009	0	Unregulated	µg/L
Organic	227016	3-HYDROXYCARBOFURAN	4/15/2009	0	Unregulated	µg/L
Organic	227016	ACENAPHTHENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	ACENAPHTHYLENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	ACETONE	4/15/2009	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Pesticide	227016	ACRYLONITRILE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	ALDICARB	4/15/2009	0	3	µg/L
Pesticide	227016	ALDICARB SULFONE	4/15/2009	0	4	µg/L
Pesticide	227016	ALDICARB SULFOXIDE	4/15/2009	0	4	µg/L
Pesticide	227016	ALDRIN	4/15/2009	0	Unregulated	µg/L
Inorganics	227016	ALKALINITY, TOTAL	4/15/2009	28.6	Unregulated	mg/L
Organic	227016	ALLYL CHLORIDE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	ALPHA-CHLORDANE	4/15/2009	0	Unregulated	µg/L
Organic	227016	ANTHRACENE	4/15/2009	0	Unregulated	µg/L
Metals	227016	ANTIMONY, TOTAL	4/15/2009	0	0.006	mg/L
PCBs	227016	AROCLOR 1016	4/15/2009	0	0.5	µg/L
PCBs	227016	AROCLOR 1221	4/15/2009	0	0.5	µg/L
PCBs	227016	AROCLOR 1232	4/15/2009	0	0.5	µg/L
PCBs	227016	AROCLOR 1242	4/15/2009	0	0.5	µg/L
PCBs	227016	AROCLOR 1248	4/15/2009	0	0.5	µg/L
PCBs	227016	AROCLOR 1254	4/15/2009	0	0.5	µg/L
PCBs	227016	AROCLOR 1260	4/15/2009	0	0.5	µg/L
Metals	227016	ARSENIC	4/15/2009	0	0.01	mg/L
Metals	227016	ASBESTOS	4/15/2009	0	7	MFL
Pesticide	227016	ATRAZINE	4/15/2009	0	3	µg/L
Metals	227016	BARIUM	4/15/2009	0.054	1	mg/L
Petroleum Hydrocarbon	227016	BENZENE	4/15/2009	0	5	µg/L
Pesticide	227016	BENZO(A)ANTHRACENE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	BENZO(A)PYRENE	4/15/2009	0	0.2	µg/L
Pesticide	227016	BENZO(B)FLUORANTHENE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	BENZO(G,H,I)PERYLENE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	BENZO(K)FLUORANTHENE	4/15/2009	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Metals	227016	BERYLLIUM, TOTAL	4/15/2009	0	0.004	mg/L
Pesticide	227016	BHC-GAMMA	4/15/2009	0	0.2	µg/L
Organic	227016	BROMOBENZENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	BROMOCHLOROMETHANE	4/15/2009	0	Unregulated	µg/L
Organic	227016	BROMODICHLOROMETHANE	4/15/2009	0	Unregulated	µg/L
Organic	227016	BROMOFORM	4/15/2009	0	TTHM (80)	µg/L
Organic	227016	BROMOMETHANE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	BUTACHLOR	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	BUTYLBENZYL PHTHALATE	4/15/2009	0	Unregulated	µg/L
Metals	227016	CADMIUM	4/15/2009	0	0.005	mg/L
Pesticide	227016	CARBARYL	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	CARBOFURAN	4/15/2009	0	40	µg/L
Organic	227016	CARBON DISULFIDE	4/15/2009	0	Unregulated	µg/L
Organic	227016	CARBON TETRACHLORIDE	4/15/2009	0	5	µg/L
Organic	227016	CARBON, TOTAL	4/15/2009	7	Unregulated	mg/L
Organic	227016	CHLORDANE	4/15/2009	0	2	mg/L
Inorganics	227016	*CHLORIDE	4/15/2009	12.1	250	mg/L
Organic	227016	CHLOROBENZENE	4/15/2009	0	100	µg/L
Organic	227016	CHLOROETHANE	4/15/2009	0	Unregulated	µg/L
Organic	227016	CHLOROFORM	4/15/2009	0	TTHM (80)	µg/L
Organic	227016	CHLOROMETHANE	4/15/2009	0	Unregulated	µg/L
Metals	227016	CHROMIUM	4/15/2009	0	0.1	mg/L
Pesticide	227016	CHRYSENE	4/15/2009	0	Unregulated	mg/L
Organic	227016	CIS-1,2-DICHLOROETHYLENE	4/15/2009	0	70	µg/L
Organic	227016	CIS-1,3-DICHLOROPROPENE	4/15/2009	0	Unregulated	µg/L
Pathogens	227016	COLIFORM (TCR)	4/15/2009	0	0	cfu
	227016	*COLOR	4/15/2009	70	15	CU

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Inorganics	227016	CYANIDE	4/15/2009	0	0.2	mg/L
Pesticide	227016	DALAPON	4/15/2009	0	200	µg/L
Organic	227016	DI(2-ETHYLHEXYL) ADIPATE	4/15/2009	0	400	µg/L
Organic	227016	DI(2-ETHYLHEXYL) PHTHALATE	4/15/2009	0	6	µg/L
Organic	227016	DIBENZO(A,H)ANTHRACENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	DIBROMOCHLOROMETHANE	4/15/2009	0	5	µg/L
Organic	227016	DIBROMOMETHANE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	DICAMBA	4/15/2009	0	Unregulated	µg/L
Organic	227016	DICHLORODIFLUOROMETHANE	4/15/2009	0	Unregulated	µg/L
Organic	227016	DICHLOROMETHANE	4/15/2009	0	5	µg/L
Pesticide	227016	DIELDRIN	4/15/2009	0	Unregulated	µg/L
Organic	227016	DIETHYL PHTHALATE	4/15/2009	0	Unregulated	µg/L
Organic	227016	DIMETHYL PHTHALATE	4/15/2009	0	Unregulated	µg/L
Organic	227016	DI-N-BUTYL PHTHALATE	4/15/2009	0	Unregulated	µg/L
Organic	227016	DI-N-OCTYL PHTHALATE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	DINOSEB	4/15/2009	0	7	µg/L
Pesticide	227016	DIQUAT	4/15/2009	0	20	µg/L
Pesticide	227016	ENDOSULFAN I	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	ENDOSULFAN II	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	ENDOSULFAN SULFATE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	ENDOTHALL	4/15/2009	0	100	µg/L
Pesticide	227016	ENDRIN	4/15/2009	0	2	µg/L
Pesticide	227016	ENDRIN ALDEHYDE	4/15/2009	0	Unregulated	µg/L
Organic	227016	ETHYL METHACRYLATE	4/15/2009	0	Unregulated	µg/L
Petroleum Hydrocarbon	227016	ETHYLBENZENE	4/15/2009	0	700	µg/L
Organic	227016	ETHYLENE DIBROMIDE	4/15/2009	0	0.05	µg/L
Organic	227016	ETHYLENE DIBROMIDE	4/15/2009	0	0.05	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	227016	FLUORANTHENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	FLUORENE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	GAMMA-CHLORDANE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	GLYPHOSATE	4/15/2009	0	700	µg/L
Inorganics	227016	*HARDNESS, TOTAL (AS CaCO3)	4/15/2009	18.2	200	mg/L
Organic	227016	HEPTACHLOR	4/15/2009	0	0.4	µg/L
Organic	227016	HEPTACHLOR EPOXIDE	4/15/2009	0	0.2	µg/L
Pesticide	227016	HEXACHLOROBENZENE	4/15/2009	0	1	µg/L
Pesticide	227016	HEXACHLOROBENZENE	4/15/2009	0	1	µg/L
Organic	227016	HEXACHLOROBUTADIENE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	HEXACHLOROCYCLOPENTADIENE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	HEXACHLOROCYCLOPENTADIENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	IDENO(1,2,3-CD)PYRENE	4/15/2009	0	Unregulated	µg/L
Metals	227016	*IRON	4/15/2009	5.67	0.3	mg/L
Organic	227016	ISOPROPYLBENZENE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	LASSO	4/15/2009	0	0.2	µg/L
Metals	227016	*MANGANESE	4/15/2009	0.054	0.05	mg/L
Organic	227016	M-DICHLOROBENZENE	4/15/2009	0	Unregulated	µg/L
Metals	227016	MERCURY	4/15/2009	0	0.002	mg/L
Metals	227016	MERCURY	4/15/2009	0	0.002	mg/L
Pesticide	227016	METHOMYL	4/15/2009	0	Unregulated	µg/L
Organic	227016	METHOXYCHLOR	4/15/2009	0	40	µg/L
Organic	227016	METHYL ETHYL KETONE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	METHYL IODINE	4/15/2009	0	Unregulated	µg/L
Organic	227016	METHYL ISOBUTYL KETONE	4/15/2009	0	Unregulated	µg/L
Organic	227016	METHYL METHACRYLATE	4/15/2009	0	Unregulated	µg/L
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	4/15/2009	0	10	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Pesticide	227016	METOLACHLOR	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	METRIBUZIN	4/15/2009	0	Unregulated	µg/L
Organic	227016	NAPHTHALENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	NAPHTHALENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	N-BUTYLBENZENE	4/15/2009	0	Unregulated	µg/L
Metals	227016	***NICKEL	4/15/2009	0	0.1	mg/L
Nutrient	227016	NITRATE	4/15/2009	0	10	mg/L
Nutrient	227016	NITRITE	4/15/2009	0	1	mg/L
Organic	227016	N-PROPYLBENZENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	O-CHLOROTOLUENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	O-DICHLOROBENZENE	4/15/2009	0	600	µg/L
Pesticide	227016	OXAMYL	4/15/2009	0	600	µg/L
Petroleum Hydrocarbon	227016	O-XYLENE	4/15/2009	0	See Total	µg/L
Organic	227016	PARA-PARA DDD	4/15/2009	0	Unregulated	µg/L
Organic	227016	PARA-PARA DDE	4/15/2009	0	Unregulated	µg/L
Organic	227016	PARA-PARA DDT	4/15/2009	0	Unregulated	µg/L
Organic	227016	P-CHLOROTOLUENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	P-DICHLOROBENZENE	4/15/2009	0	75	µg/L
Organic	227016	PENTACHLOROPHENOL	4/15/2009	0	1	µg/L
Inorganics	227016	*PH	4/15/2009	5.79	6.5-8.6	pH Units
Organic	227016	PHENANTHRENE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	PICLORAM	4/15/2009	0	500	µg/L
Organic	227016	P-ISOPROPYLTOLUENE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	PROPACHLOR	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	PYRENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	SEC-BUTYLBENZENE	4/15/2009	0	Unregulated	µg/L
Metals	227016	SELENIUM	4/15/2009	0	0.01	mg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
	227016	SILICA	4/15/2009	24.1	Unregulated	mg/L
Pesticide	227016	SIMAZINE	4/15/2009	0	4	µg/L
Metals	227016	**SODIUM	4/15/2009	8.72	20	mg/L
Organic	227016	STYRENE	4/15/2009	0	100	µg/L
Inorganics	227016	*SULFATE	4/15/2009	0	250	mg/L
Inorganics	227016	*TDS	4/15/2009	86	500	mg/L
	227016	TEMPERATURE (CENTIGRADE)	4/15/2009	18	Unregulated	C
Organic	227016	TERT-BUTYLBENZENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	***TETRACHLOROETHYLENE	4/15/2009	0	1	µg/L
Organic	227016	TETRAHYDROFURAN	4/15/2009	0	Unregulated	µg/L
Metals	227016	THALLIUM, TOTAL	4/15/2009	0	0.002	mg/L
Petroleum Hydrocarbon	227016	TOLUENE	4/15/2009	0	1,000	µg/L
Pesticide	227016	TOXAPHENE	4/15/2009	0	3	µg/L
Organic	227016	TRANS-1,2-DICHLOROETHYLENE	4/15/2009	0	100	µg/L
Organic	227016	TRANS-1,3-DICHLOROPROPENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	TRANS-1,4-DICHLORO-2-BUTENE	4/15/2009	0	Unregulated	µg/L
Organic	227016	***TRICHLOROETHYLENE	4/15/2009	0	1	µg/L
Organic	227016	TRICHLOROFLUOROMETHANE	4/15/2009	0	Unregulated	µg/L
Pesticide	227016	TRIFLURALIN	4/15/2009	0	Unregulated	µg/L
Organic	227016	TURBIDITY	4/15/2009	0.28	Unregulated	NTU
Organic	227016	TURBIDITY	4/15/2009	0.1	Unregulated	NTU
Organic	227016	VINYL ACETATE	4/15/2009	0	Unregulated	µg/L
Organic	227016	***VINYL CHLORIDE	4/15/2009	0	1	µg/L
Petroleum Hydrocarbon	227016	XYLENE, META AND PARA	4/15/2009	0	See Total	µg/L
Petroleum Hydrocarbon	227016	XYLENES, TOTAL	4/15/2009	0	10,000	µg/L
Organic	227016	1,1,1,2-TETRACHLOROETHANE	8/5/2009	0	Unregulated	µg/L
Organic	227016	1,1,1-TRICHLOROETHANE	8/5/2009	0	200	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	227016	1,1,2,2-TETRACHLOROETHANE	8/5/2009	0	Unregulated	µg/L
Organic	227016	1,1,2-TRICHLOROETHANE	8/5/2009	0	5	µg/L
Organic	227016	1,1-DICHLOROETHANE	8/5/2009	0	7	µg/L
Organic	227016	1,1-DICHLOROETHYLENE	8/5/2009	0	7	µg/L
Organic	227016	1,1-DICHLOROPROPENE	8/5/2009	0	Unregulated	µg/L
Organic	227016	1,2,3-TRICHLOROBENZENE	8/5/2009	0	Unregulated	µg/L
Organic	227016	1,2,3-TRICHLOROPROPANE	8/5/2009	0	Unregulated	µg/L
Organic	227016	1,2,4-TRICHLOROBENZENE	8/5/2009	0	70	µg/L
Organic	227016	1,2,4-TRIMETHYLBENZENE	8/5/2009	0	70	µg/L
Organic	227016	1,2-DIBROMO-3-CHLOROPROPANE	8/5/2009	0	0.2	µg/L
Organic	227016	1,2-DICHLOROETHANE	8/5/2009	0	5	µg/L
Organic	227016	1,2-DICHLOROPROPANE	8/5/2009	0	Unregulated	µg/L
Organic	227016	1,3,5-TRIMETHYLBENZENE	8/5/2009	0	Unregulated	µg/L
Organic	227016	1,3-DICHLOROPROPANE	8/5/2009	0	Unregulated	µg/L
Organic	227016	2,2-DICHLOROPROPANE	8/5/2009	0	Unregulated	µg/L
Inorganics	227016	ALKALINITY, TOTAL	8/5/2009	17	Unregulated	mg/L
Metals	227016	ANTIMONY, TOTAL	8/5/2009	0	0.006	mg/L
Metals	227016	ARSENIC	8/5/2009	0	0.01	mg/L
Metals	227016	BARIUM	8/5/2009	0.0644	1	mg/L
Petroleum Hydrocarbon	227016	BENZENE	8/5/2009	0	5	µg/L
Metals	227016	BERYLLIUM, TOTAL	8/5/2009	0	0.004	mg/L
Organic	227016	BROMOBENZENE	8/5/2009	0	Unregulated	µg/L
Organic	227016	BROMOCHLOROMETHANE	8/5/2009	0	Unregulated	µg/L
Organic	227016	BROMODICHLOROMETHANE	8/5/2009	0	Unregulated	µg/L
Organic	227016	BROMOFORM	8/5/2009	0	TTHM (80)	µg/L
Organic	227016	BROMOMETHANE	8/5/2009	0	Unregulated	µg/L
Metals	227016	CADMIUM	8/5/2009	0	0.005	mg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	227016	CARBON TETRACHLORIDE	8/5/2009	0	5	µg/L
Inorganics	227016	*CHLORIDE	8/5/2009	15.8	250	mg/L
Organic	227016	CHLOROBENZENE	8/5/2009	0	100	µg/L
Organic	227016	CHLOROETHANE	8/5/2009	0	Unregulated	µg/L
Organic	227016	CHLOROFORM	8/5/2009	0	TTHM (80)	µg/L
Organic	227016	CHLOROMETHANE	8/5/2009	0	Unregulated	µg/L
Metals	227016	CHROMIUM	8/5/2009	0.0025	0.1	mg/L
Organic	227016	CIS-1,2-DICHLOROETHYLENE	8/5/2009	0	70	µg/L
Organic	227016	CIS-1,3-DICHLOROPROPENE	8/5/2009	0	Unregulated	µg/L
Pathogens	227016	COLIFORM (TCR)	8/5/2009	0	0	cfu
Organic	227016	DIBROMOCHLOROMETHANE	8/5/2009	0	5	µg/L
Organic	227016	DIBROMOMETHANE	8/5/2009	0	Unregulated	µg/L
Organic	227016	DICHLORODIFLUOROMETHANE	8/5/2009	0	Unregulated	µg/L
Organic	227016	DICHLOROMETHANE	8/5/2009	0	5	µg/L
Petroleum Hydrocarbon	227016	ETHYLBENZENE	8/5/2009	0	700	µg/L
Organic	227016	ETHYLENE DIBROMIDE	8/5/2009	0	0.05	µg/L
Inorganics	227016	*FLUORIDE	8/5/2009	0	2	mg/L
Inorganics	227016	FREE RESIDUAL CHLORINE	8/5/2009	0	MRDL=4.0	mg/L
Inorganics	227016	FREE RESIDUAL CHLORINE	8/5/2009	0	MRDL=4.1	mg/L
Inorganics	227016	FREE RESIDUAL CHLORINE	8/5/2009	0	MRDL=4.2	mg/L
Inorganics	227016	*HARDNESS, TOTAL (AS CaCO3)	8/5/2009	0	200	mg/L
Organic	227016	HEXACHLOROBUTADIENE	8/5/2009	0	Unregulated	µg/L
Metals	227016	*IRON	8/5/2009	5.42	0.3	mg/L
Organic	227016	ISOPROPYLBENZENE	8/5/2009	0	Unregulated	µg/L
Metals	227016	LEAD	8/5/2009	0	0.015	mg/L
Metals	227016	*MANGANESE	8/5/2009	0.0547	0.05	mg/L
Organic	227016	M-DICHLOROBENZENE	8/5/2009	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Metals	227016	MERCURY	8/5/2009	0	0.002	mg/L
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	8/5/2009	1.32	10	µg/L
Organic	227016	NAPHTHALENE	8/5/2009	0	Unregulated	µg/L
Organic	227016	N-BUTYLBENZENE	8/5/2009	0	Unregulated	µg/L
Metals	227016	***NICKEL	8/5/2009	0.0005	0.1	mg/L
Nutrient	227016	NITRATE	8/5/2009	0	10	mg/L
Nutrient	227016	NITRITE	8/5/2009	0	1	mg/L
Organic	227016	N-PROPYLBENZENE	8/5/2009	0	Unregulated	µg/L
Organic	227016	O-CHLOROTOLUENE	8/5/2009	0	Unregulated	µg/L
Organic	227016	O-DICHLOROBENZENE	8/5/2009	0	600	µg/L
Organic	227016	P-CHLOROTOLUENE	8/5/2009	0	Unregulated	µg/L
Organic	227016	P-DICHLOROBENZENE	8/5/2009	0	75	µg/L
Inorganics	227016	*PH	8/5/2009	5.5	6.5-8.6	pH Units
Organic	227016	P-ISOPROPYLTOLUENE	8/5/2009	0	Unregulated	µg/L
Organic	227016	SEC-BUTYLBENZENE	8/5/2009	0	Unregulated	µg/L
Metals	227016	SELENIUM	8/5/2009	0	0.01	mg/L
Metals	227016	**SODIUM	8/5/2009	12.5	20	mg/L
Organic	227016	STYRENE	8/5/2009	0	100	µg/L
Inorganics	227016	*SULFATE	8/5/2009	20.1	250	mg/L
Inorganics	227016	*TDS	8/5/2009	148	500	mg/L
Organic	227016	TERT-BUTYLBENZENE	8/5/2009	0	Unregulated	µg/L
Organic	227016	***TETRACHLOROETHYLENE	8/5/2009	0	1	µg/L
Metals	227016	THALLIUM, TOTAL	8/5/2009	0	0.002	mg/L
Petroleum Hydrocarbon	227016	TOLUENE	8/5/2009	0	1,000	µg/L
Organic	227016	TRANS-1,2-DICHLOROETHYLENE	8/5/2009	0	100	µg/L
Organic	227016	TRANS-1,3-DICHLOROPROPENE	8/5/2009	0	Unregulated	µg/L
Organic	227016	***TRICHLOROETHYLENE	8/5/2009	0	1	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	227016	TRICHLOROFLUOROMETHANE	8/5/2009	0	Unregulated	µg/L
Metals	227016	URANIUM-238	8/5/2009	0	0.03	mg/L
Organic	227016	***VINYL CHLORIDE	8/5/2009	0	1	µg/L
Petroleum Hydrocarbon	227016	XYLENES, TOTAL	8/5/2009	0	10,000	µg/L
Organic	227016	1,1,1,2-TETRACHLOROETHANE	11/4/2009	0	Unregulated	µg/L
Organic	227016	1,1,1-TRICHLOROETHANE	11/4/2009	0	200	µg/L
Organic	227016	1,1,2,2-TETRACHLOROETHANE	11/4/2009	0	Unregulated	µg/L
Organic	227016	1,1,2-TRICHLOROETHANE	11/4/2009	0	5	µg/L
Organic	227016	1,1-DICHLOROETHANE	11/4/2009	0	7	µg/L
Organic	227016	1,1-DICHLOROETHYLENE	11/4/2009	0	7	µg/L
Organic	227016	1,1-DICHLOROPROPENE	11/4/2009	0	Unregulated	µg/L
Organic	227016	1,2,3-TRICHLOROBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	227016	1,2,3-TRICHLOROPROPANE	11/4/2009	0	Unregulated	µg/L
Organic	227016	1,2,4-TRICHLOROBENZENE	11/4/2009	0	70	µg/L
Organic	227016	1,2,4-TRIMETHYLBENZENE	11/4/2009	0	70	µg/L
Organic	227016	1,2-DIBROMO-3-CHLOROPROPANE	11/4/2009	0	0.2	µg/L
Organic	227016	1,2-DICHLOROETHANE	11/4/2009	0	5	µg/L
Organic	227016	1,2-DICHLOROPROPANE	11/4/2009	0	Unregulated	µg/L
Organic	227016	1,3,5-TRIMETHYLBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	227016	1,3-DICHLOROPROPANE	11/4/2009	0	Unregulated	µg/L
Organic	227016	2,2-DICHLOROPROPANE	11/4/2009	0	Unregulated	µg/L
Inorganics	227016	ALKALINITY, TOTAL	11/4/2009	21	Unregulated	mg/L
Petroleum Hydrocarbon	227016	BENZENE	11/4/2009	0	5	µg/L
Organic	227016	BROMOBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	227016	BROMOCHLOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	227016	BROMODICHLOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	227016	BROMOFORM	11/4/2009	0	TTHM (80)	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	227016	BROMOMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	227016	CARBON TETRACHLORIDE	11/4/2009	0	5	µg/L
Inorganics	227016	*CHLORIDE	11/4/2009	15.7	250	mg/L
Organic	227016	CHLOROBENZENE	11/4/2009	0	100	µg/L
Organic	227016	CHLOROETHANE	11/4/2009	0	Unregulated	µg/L
Organic	227016	CHLOROFORM	11/4/2009	0	TTHM (80)	µg/L
Organic	227016	CHLOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	227016	CIS-1,2-DICHLOROETHYLENE	11/4/2009	0	70	µg/L
Organic	227016	CIS-1,3-DICHLOROPROPENE	11/4/2009	0	Unregulated	µg/L
Pathogens	227016	COLIFORM (TCR)	11/4/2009	0	0	cfu
Organic	227016	DIBROMOCHLOROMETHANE	11/4/2009	0	5	µg/L
Organic	227016	DIBROMOMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	227016	DICHLORODIFLUOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	227016	DICHLOROMETHANE	11/4/2009	0	5	µg/L
Petroleum Hydrocarbon	227016	ETHYLBENZENE	11/4/2009	0	700	µg/L
Organic	227016	ETHYLENE DIBROMIDE	11/4/2009	0	0.05	µg/L
Inorganics	227016	*FLUORIDE	11/4/2009	0	2	mg/L
Inorganics	227016	*HARDNESS, TOTAL (AS CaCO ₃)	11/4/2009	8.8	200	mg/L
Organic	227016	HEXACHLOROBUTADIENE	11/4/2009	0	Unregulated	µg/L
Metals	227016	*IRON	11/4/2009	9.01	0.3	mg/L
Organic	227016	ISOPROPYLBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	227016	M-DICHLOROBENZENE	11/4/2009	0	Unregulated	µg/L
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	11/4/2009	3.63	10	µg/L
Organic	227016	NAPHTHALENE	11/4/2009	0	Unregulated	µg/L
Organic	227016	N-BUTYLBENZENE	11/4/2009	0	Unregulated	µg/L
Nutrient	227016	NITRATE	11/4/2009	0	10	mg/L
Nutrient	227016	NITRITE	11/4/2009	0	1	mg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	227016	N-PROPYLBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	227016	O-CHLOROTOLUENE	11/4/2009	0	Unregulated	µg/L
Organic	227016	O-DICHLOROBENZENE	11/4/2009	0	600	µg/L
Organic	227016	P-CHLOROTOLUENE	11/4/2009	0	Unregulated	µg/L
Organic	227016	P-DICHLOROBENZENE	11/4/2009	0	75	µg/L
Inorganics	227016	*PH	11/4/2009	6.3	6.5-8.6	pH Units
Organic	227016	P-ISOPROPYLTOLUENE	11/4/2009	0	Unregulated	µg/L
Organic	227016	SEC-BUTYLBENZENE	11/4/2009	0	Unregulated	µg/L
Metals	227016	**SODIUM	11/4/2009	11.5	20	mg/L
Organic	227016	STYRENE	11/4/2009	0	100	µg/L
Inorganics	227016	*SULFATE	11/4/2009	15	250	mg/L
Inorganics	227016	*TDS	11/4/2009	110	500	mg/L
Organic	227016	TERT-BUTYLBENZENE	11/4/2009	0	Unregulated	µg/L
Organic	227016	***TETRACHLOROETHYLENE	11/4/2009	0	1	µg/L
Petroleum Hydrocarbon	227016	TOLUENE	11/4/2009	0	1,000	µg/L
Organic	227016	TRANS-1,2-DICHLOROETHYLENE	11/4/2009	0	100	µg/L
Organic	227016	TRANS-1,3-DICHLOROPROPENE	11/4/2009	0	Unregulated	µg/L
Organic	227016	***TRICHLOROETHYLENE	11/4/2009	0	1	µg/L
Organic	227016	TRICHLOROFLUOROMETHANE	11/4/2009	0	Unregulated	µg/L
Organic	227016	***VINYL CHLORIDE	11/4/2009	0	1	µg/L
Petroleum Hydrocarbon	227016	XYLENES, TOTAL	11/4/2009	0	10,000	µg/L
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	6/7/2010	5.1	10	µg/L
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	7/8/2010	4.5	10	µg/L
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	8/2/2010	6.5	10	µg/L
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	9/15/2010	4.6	10	µg/L
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	10/13/2010	2.6	10	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	11/15/2010	6.9	10	µg/L
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	12/21/2010	6.9	10	µg/L
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	1/19/2011	6.6	10	µg/L
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	2/16/2011	27.9	10	µg/L
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	3/17/2011	21.2	10	µg/L
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	4/25/2011	34.5	10	µg/L
Pathogens	227016	COLIFORM (TCR)	8/2/2011	0	0	cfu
Pathogens	227016	COLIFORM (TCR)	8/17/2012	0	0	cfu
Pathogens	227016	COLIFORM (TCR)	9/24/2012	0	0	cfu
Pathogens	227016	COLIFORM (TCR)	10/15/2012	0	0	cfu
Organic	227016	1,1,1,2-TETRACHLOROETHANE	4/2/2013	0	Unregulated	µg/L
Organic	227016	1,1,1-TRICHLOROETHANE	4/2/2013	0	200	µg/L
Organic	227016	1,1,2,2-TETRACHLOROETHANE	4/2/2013	0	Unregulated	µg/L
Organic	227016	1,1,2-TRICHLOROETHANE	4/2/2013	0	5	µg/L
Organic	227016	1,1-DICHLOROETHANE	4/2/2013	0	7	µg/L
Organic	227016	1,1-DICHLOROETHYLENE	4/2/2013	0	7	µg/L
Organic	227016	1,1-DICHLOROPROPENE	4/2/2013	0	Unregulated	µg/L
Organic	227016	1,2,3-TRICHLOROBENZENE	4/2/2013	0	Unregulated	µg/L
Organic	227016	1,2,3-TRICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L
Organic	227016	1,2,3-TRICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L
Organic	227016	1,2,4-TRICHLOROBENZENE	4/2/2013	0	70	µg/L
Organic	227016	1,2,4-TRIMETHYLBENZENE	4/2/2013	0	70	µg/L
Organic	227016	1,2-DIBROMO-3-CHLOROPROPANE	4/2/2013	0	0.2	µg/L
Organic	227016	1,2-DIBROMO-3-CHLOROPROPANE	4/2/2013	0	0.2	µg/L
Organic	227016	1,2-DICHLOROETHANE	4/2/2013	0	5	µg/L
Organic	227016	1,2-DICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	227016	1,3,5-TRIMETHYLBENZENE	4/2/2013	0	Unregulated	µg/L
Organic	227016	1,3-DICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L
Organic	227016	2,2-DICHLOROPROPANE	4/2/2013	0	Unregulated	µg/L
Organic	227016	2,4,5-T	4/2/2013	0	Unregulated	µg/L
Organic	227016	2,4,5-TP	4/2/2013	0	50	µg/L
Organic	227016	2,4-D	4/2/2013	0	70	µg/L
Organic	227016	3-HYDROXYCARBOFURAN	4/2/2013	0	Unregulated	µg/L
Pesticide	227016	ACIFLUORFEN	4/2/2013	0	Unregulated	µg/L
Pesticide	227016	ALDICARB	4/2/2013	0	3	µg/L
Pesticide	227016	ALDICARB SULFONE	4/2/2013	0	4	µg/L
Pesticide	227016	ALDICARB SULFOXIDE	4/2/2013	0	2	µg/L
Pesticide	227016	ALDRIN	4/2/2013	0	Unregulated	µg/L
Inorganics	227016	ALKALINITY, TOTAL	4/2/2013	25	Unregulated	mg/L
Metals	227016	ANTIMONY, TOTAL	4/2/2013	0	0.006	mg/L
PCBs	227016	AROCLOR 1016	4/2/2013	0	0.5	µg/L
PCBs	227016	AROCLOR 1221	4/2/2013	0	0.5	µg/L
PCBs	227016	AROCLOR 1232	4/2/2013	0	0.5	µg/L
PCBs	227016	AROCLOR 1242	4/2/2013	0	0.5	µg/L
PCBs	227016	AROCLOR 1248	4/2/2013	0	0.5	µg/L
PCBs	227016	AROCLOR 1254	4/2/2013	0	0.5	µg/L
PCBs	227016	AROCLOR 1260	4/2/2013	0	0.5	µg/L
Metals	227016	ARSENIC	4/2/2013	0.0007	0.01	mg/L
Pesticide	227016	ATRAZINE	4/2/2013	0	3	µg/L
Metals	227016	BARIUM	4/2/2013	0.0787	1	mg/L
Pesticide	227016	BAYGON	4/2/2013	0	Unregulated	µg/L
Petroleum Hydrocarbon	227016	BENZENE	4/2/2013	0	5	µg/L
Pesticide	227016	BENZO(A)PYRENE	4/2/2013	0	0.2	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Metals	227016	BERYLLIUM, TOTAL	4/2/2013	0	0.004	mg/L
Pesticide	227016	BHC-GAMMA	4/2/2013	0	0.2	µg/L
Organic	227016	BROMOBENZENE	4/2/2013	0	Unregulated	µg/L
Organic	227016	BROMOCHLOROMETHANE	4/2/2013	0	Unregulated	µg/L
Organic	227016	BROMODICHLOROMETHANE	4/2/2013	0	Unregulated	µg/L
Organic	227016	BROMOFORM	4/2/2013	0	TTHM (80)	µg/L
Organic	227016	BROMOMETHANE	4/2/2013	0	Unregulated	µg/L
Pesticide	227016	BUTACHLOR	4/2/2013	0	Unregulated	µg/L
Metals	227016	CADMIUM	4/2/2013	0	0.005	mg/L
Pesticide	227016	CARBARYL	4/2/2013	0	Unregulated	µg/L
Pesticide	227016	CARBOFURAN	4/2/2013	0	40	µg/L
Organic	227016	CARBON TETRACHLORIDE	4/2/2013	0	5	µg/L
Organic	227016	CARBON, TOTAL	4/2/2013	7.2	Unregulated	mg/L
Organic	227016	CHLORDANE	4/2/2013	0	2	mg/L
Inorganics	227016	*CHLORIDE	4/2/2013	15.1	250	mg/L
Organic	227016	CHLOROBENZENE	4/2/2013	0	100	µg/L
Organic	227016	CHLOROETHANE	4/2/2013	0	Unregulated	µg/L
Organic	227016	CHLOROFORM	4/2/2013	0	TTHM (80)	µg/L
Organic	227016	CHLOROMETHANE	4/2/2013	0	Unregulated	µg/L
Metals	227016	CHROMIUM	4/2/2013	0.003	0.1	mg/L
Organic	227016	CIS-1,2-DICHLOROETHYLENE	4/2/2013	0	70	µg/L
Organic	227016	CIS-1,3-DICHLOROPROPENE	4/2/2013	0	Unregulated	µg/L
Pathogens	227016	COLIFORM (TCR)	4/2/2013	0	0	cfu
	227016	CONDUCTIVITY @ 25 C UMHOS/CM	4/2/2013	123	Unregulated	UMHO/CM
Metals	227016	*COPPER, FREE	4/2/2013	0.188	1	mg/L
Pesticide	227016	DALAPON	4/2/2013	0	200	µg/L
Organic	227016	DI(2-ETHYLHEXYL) ADIPATE	4/2/2013	0	400	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	227016	DI(2-ETHYLHEXYL) PHTHALATE	4/2/2013	0	6	µg/L
Organic	227016	DIBROMOCHLOROMETHANE	4/2/2013	0	5	µg/L
Organic	227016	DIBROMOMETHANE	4/2/2013	0	Unregulated	µg/L
Pesticide	227016	DICAMBA	4/2/2013	0	Unregulated	µg/L
Organic	227016	DICHLORODIFLUOROMETHANE	4/2/2013	0	Unregulated	µg/L
Organic	227016	DICHLOROMETHANE	4/2/2013	0	5	µg/L
Pesticide	227016	DIELDRIN	4/2/2013	0	Unregulated	µg/L
Pesticide	227016	DINOSEB	4/2/2013	0	7	µg/L
Pesticide	227016	ENDRIN	4/2/2013	0	2	µg/L
Petroleum Hydrocarbon	227016	ETHYLBENZENE	4/2/2013	0	700	µg/L
Organic	227016	ETHYLENE DIBROMIDE	4/2/2013	0	0.05	µg/L
Organic	227016	ETHYLENE DIBROMIDE	4/2/2013	0	0.05	µg/L
Inorganics	227016	*FLUORIDE	4/2/2013	0	2	mg/L
Inorganics	227016	*HARDNESS, TOTAL (AS CaCO3)	4/2/2013	8.9	200	mg/L
Organic	227016	HEPTACHLOR	4/2/2013	0	0.4	µg/L
Organic	227016	HEPTACHLOR EPOXIDE	4/2/2013	0	0.2	µg/L
Pesticide	227016	HEXACHLOROBENZENE	4/2/2013	0	1	µg/L
Organic	227016	HEXACHLOROBUTADIENE	4/2/2013	0	Unregulated	µg/L
Pesticide	227016	HEXACHLOROCYCLOPENTADIENE	4/2/2013	0	Unregulated	µg/L
Organic	227016	HYDROGEN SULFIDE	4/2/2013	0	Unregulated	µg/L
Metals	227016	*IRON	4/2/2013	11.4	0.3	mg/L
Organic	227016	ISOPROPYLBENZENE	4/2/2013	0	Unregulated	µg/L
Pesticide	227016	LASSO	4/2/2013	0	0.2	µg/L
Metals	227016	LEAD	4/2/2013	0.0046	0.015	mg/L
Metals	227016	*MANGANESE	4/2/2013	0.0564	0.05	mg/L
Organic	227016	M-DICHLOROBENZENE	4/2/2013	0	Unregulated	µg/L
Metals	227016	MERCURY	4/2/2013	0	0.002	mg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Pesticide	227016	METHIOCARB	4/2/2013	0	Unregulated	mg/L
Pesticide	227016	METHOMYL	4/2/2013	0	Unregulated	µg/L
Organic	227016	METHOXYCHLOR	4/2/2013	0	40	µg/L
Petroleum Hydrocarbon	227016	***METHYL TERT-BUTYL ETHER	4/2/2013	3.61	10	µg/L
Pesticide	227016	METOLACHLOR	4/2/2013	0	Unregulated	µg/L
Pesticide	227016	METRIBUZIN	4/2/2013	0	Unregulated	µg/L
Organic	227016	NAPHTHALENE	4/2/2013	0	Unregulated	µg/L
Organic	227016	N-BUTYLBENZENE	4/2/2013	0	Unregulated	µg/L
Metals	227016	***NICKEL	4/2/2013	0.0005	0.1	mg/L
Nutrient	227016	NITRATE	4/2/2013	0	10	mg/L
Nutrient	227016	NITRATE-NITRITE	4/2/2013	0	10	mg/L
Nutrient	227016	NITRITE	4/2/2013	0	1	mg/L
Organic	227016	N-PROPYLBENZENE	4/2/2013	0	Unregulated	µg/L
Organic	227016	O-CHLOROTOLUENE	4/2/2013	0	Unregulated	µg/L
Organic	227016	O-DICHLOROBENZENE	4/2/2013	0	600	µg/L
Pesticide	227016	OXAMYL	4/2/2013	0	200	µg/L
Organic	227016	P-CHLOROTOLUENE	4/2/2013	0	Unregulated	µg/L
Organic	227016	P-DICHLOROBENZENE	4/2/2013	0	75	µg/L
Organic	227016	PENTACHLOROPHENOL	4/2/2013	0	1	µg/L
Inorganics	227016	*PH	4/2/2013	0	6.5-8.6	pH Units
Inorganics	227016	*PH	4/2/2013	6.39	6.5-8.6	pH Units
Inorganics	227016	*PH	4/2/2013	5.24	6.5-8.6	pH Units
Pesticide	227016	PICLORAM	4/2/2013	0	500	µg/L
Organic	227016	P-ISOPROPYLTOLUENE	4/2/2013	0	Unregulated	µg/L
Pesticide	227016	PROPACHLOR	4/2/2013	0	Unregulated	µg/L
Organic	227016	SEC-BUTYLBENZENE	4/2/2013	0	Unregulated	µg/L
Metals	227016	SELENIUM	4/2/2013	0	0.01	mg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Pesticide	227016	SIMAZINE	4/2/2013	0	4	µg/L
Metals	227016	**SODIUM	4/2/2013	12.3	20	mg/L
Organic	227016	STYRENE	4/2/2013	0	100	µg/L
Inorganics	227016	*SULFATE	4/2/2013	14	250	mg/L
Inorganics	227016	*TDS	4/2/2013	134	500	mg/L
Organic	227016	TERT-BUTYLBENZENE	4/2/2013	0	Unregulated	µg/L
Organic	227016	***TETRACHLOROETHYLENE	4/2/2013	0	1	µg/L
Metals	227016	THALLIUM, TOTAL	4/2/2013	0	0.002	mg/L
Petroleum Hydrocarbon	227016	TOLUENE	4/2/2013	0	1,000	µg/L
Pesticide	227016	TOXAPHENE	4/2/2013	0	3	µg/L
Organic	227016	TRANS-1,2-DICHLOROETHYLENE	4/2/2013	0	100	µg/L
Organic	227016	TRANS-1,3-DICHLOROPROPENE	4/2/2013	0	Unregulated	µg/L
Organic	227016	***TRICHLOROETHYLENE	4/2/2013	0	1	µg/L
Organic	227016	TRICHLOROFLUOROMETHANE	4/2/2013	0	Unregulated	µg/L
Metals	227016	URANIUM-238	4/2/2013	0	0.03	mg/L
Organic	227016	***VINYL CHLORIDE	4/2/2013	0	1	µg/L
Petroleum Hydrocarbon	227016	XYLENES, TOTAL	4/2/2013	0	10,000	µg/L
Pathogens	227016	COLIFORM (TCR)	9/22/2014	0	0	cfu
Pathogens	227016	COLIFORM (TCR)	9/22/2014	0	0	cfu
Pathogens	227016	COLIFORM (TCR)	10/20/2014	0	0	cfu
Pathogens	227016	COLIFORM (TCR)	12/5/2014	0	0	cfu
Organic	241525	1,1,1,2-TETRACHLOROETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	1,1,1,2-TETRACHLOROETHANE	3/22/2013	0	200	µg/L
Organic	241525	1,1,1-TRICHLOROETHANE	3/22/2013	0	200	µg/L
Organic	241525	1,1,1-TRICHLOROETHANE	3/22/2013	0	200	µg/L
Organic	241525	1,1,2,2-TETRACHLOROETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	1,1,2,2-TETRACHLOROETHANE	3/22/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	241525	1,1,2-TRICHLOROETHANE	3/22/2013	0	5	µg/L
Organic	241525	1,1,2-TRICHLOROETHANE	3/22/2013	0	5	µg/L
Organic	241525	1,1-DICHLOROETHANE	3/22/2013	0	7	µg/L
Organic	241525	1,1-DICHLOROETHANE	3/22/2013	0	7	µg/L
Organic	241525	1,1-DICHLOROETHYLENE	3/22/2013	0	7	µg/L
Organic	241525	1,1-DICHLOROETHYLENE	3/22/2013	0	7	µg/L
Organic	241525	1,1-DICHLOROPROPENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	1,1-DICHLOROPROPENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	1,2,3-TRICHLOROBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	1,2,3-TRICHLOROBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	1,2,3-TRICHLOROPROPANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	1,2,3-TRICHLOROPROPANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	1,2,4-TRICHLOROBENZENE	3/22/2013	0	70	µg/L
Organic	241525	1,2,4-TRICHLOROBENZENE	3/22/2013	0	70	µg/L
Organic	241525	1,2,4-TRIMETHYLBENZENE	3/22/2013	0	70	µg/L
Organic	241525	1,2,4-TRIMETHYLBENZENE	3/22/2013	0	70	µg/L
Organic	241525	1,2-DIBROMO-3-CHLOROPROPANE	3/22/2013	0	0.2	µg/L
Organic	241525	1,2-DIBROMO-3-CHLOROPROPANE	3/22/2013	0	0.2	µg/L
Organic	241525	1,2-DICHLOROETHANE	3/22/2013	0	5	µg/L
Organic	241525	1,2-DICHLOROETHANE	3/22/2013	0	5	µg/L
Organic	241525	1,2-DICHLOROPROPANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	1,2-DICHLOROPROPANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	1,3,5-TRIMETHYLBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	1,3,5-TRIMETHYLBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	1,3-DICHLOROPROPANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	1,3-DICHLOROPROPANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	2,2-DICHLOROPROPANE	3/22/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	241525	2,2-DICHLOROPROPANE	3/22/2013	0	Unregulated	µg/L
Petroleum Hydrocarbon	241525	BENZENE	3/22/2013	0	5	µg/L
Petroleum Hydrocarbon	241525	BENZENE	3/22/2013	0	5	µg/L
Organic	241525	BROMOBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	BROMOBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	BROMOCHLOROMETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	BROMOCHLOROMETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	BROMODICHLOROMETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	BROMODICHLOROMETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	BROMOFORM	3/22/2013	0	TTHM (80)	µg/L
Organic	241525	BROMOFORM	3/22/2013	0	TTHM (80)	µg/L
Organic	241525	BROMOMETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	BROMOMETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	CARBON TETRACHLORIDE	3/22/2013	0	5	µg/L
Organic	241525	CARBON TETRACHLORIDE	3/22/2013	0	5	µg/L
Organic	241525	CHLOROBENZENE	3/22/2013	0	100	µg/L
Organic	241525	CHLOROBENZENE	3/22/2013	0	100	µg/L
Organic	241525	CHLOROETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	CHLOROETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	CHLOROFORM	3/22/2013	0	TTHM (80)	µg/L
Organic	241525	CHLOROFORM	3/22/2013	0	TTHM (80)	µg/L
Organic	241525	CHLOROMETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	CHLOROMETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	CIS-1,2-DICHLOROETHYLENE	3/22/2013	0	70	µg/L
Organic	241525	CIS-1,2-DICHLOROETHYLENE	3/22/2013	0	70	µg/L
Organic	241525	CIS-1,3-DICHLOROPROPENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	CIS-1,3-DICHLOROPROPENE	3/22/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	241525	DIBROMOCHLOROMETHANE	3/22/2013	0	5	µg/L
Organic	241525	DIBROMOCHLOROMETHANE	3/22/2013	0	5	µg/L
Organic	241525	DIBROMOMETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	DIBROMOMETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	DICHLORODIFLUOROMETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	DICHLORODIFLUOROMETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	DICHLOROMETHANE	3/22/2013	0	5	µg/L
Organic	241525	DICHLOROMETHANE	3/22/2013	0	5	µg/L
Petroleum Hydrocarbon	241525	ETHYLBENZENE	3/22/2013	0	700	µg/L
Petroleum Hydrocarbon	241525	ETHYLBENZENE	3/22/2013	0	700	µg/L
Organic	241525	ETHYLENE DIBROMIDE	3/22/2013	0	0.05	µg/L
Organic	241525	ETHYLENE DIBROMIDE	3/22/2013	0	0.05	µg/L
Organic	241525	HEXACHLOROBUTADIENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	HEXACHLOROBUTADIENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	ISOPROPYLBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	ISOPROPYLBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	M-DICHLOROBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	M-DICHLOROBENZENE	3/22/2013	0	Unregulated	µg/L
Petroleum Hydrocarbon	241525	***METHYL TERT-BUTYL ETHER	3/22/2013	10.7	10	µg/L
Petroleum Hydrocarbon	241525	***METHYL TERT-BUTYL ETHER	3/22/2013	10.9	10	µg/L
Organic	241525	NAPHTHALENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	NAPHTHALENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	N-BUTYLBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	N-BUTYLBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	N-PROPYLBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	N-PROPYLBENZENE	3/22/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	241525	O-CHLOROTOLUENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	O-CHLOROTOLUENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	O-DICHLOROBENZENE	3/22/2013	0	600	µg/L
Organic	241525	O-DICHLOROBENZENE	3/22/2013	0	600	µg/L
Organic	241525	P-CHLOROTOLUENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	P-CHLOROTOLUENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	P-DICHLOROBENZENE	3/22/2013	0	75	µg/L
Organic	241525	P-DICHLOROBENZENE	3/22/2013	0	75	µg/L
Organic	241525	P-ISOPROPYLTOLUENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	P-ISOPROPYLTOLUENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	SEC-BUTYLBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	SEC-BUTYLBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	STYRENE	3/22/2013	0	100	µg/L
Organic	241525	STYRENE	3/22/2013	0	100	µg/L
Inorganic	241525	TERT-BUTYLBENZENE	3/22/2013	0	Unregulated	µg/L
Inorganic	241525	TERT-BUTYLBENZENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	***TETRACHLOROETHYLENE	3/22/2013	0	1	µg/L
Organic	241525	***TETRACHLOROETHYLENE	3/22/2013	0	1	µg/L
Petroleum Hydrocarbon	241525	TOLUENE	3/22/2013	0	1,000	µg/L
Petroleum Hydrocarbon	241525	TOLUENE	3/22/2013	0	1,000	µg/L
Organic	241525	TRANS-1,2-DICHLOROETHYLENE	3/22/2013	0	100	µg/L
Organic	241525	TRANS-1,2-DICHLOROETHYLENE	3/22/2013	0	100	µg/L
Organic	241525	TRANS-1,3-DICHLOROPROPENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	TRANS-1,3-DICHLOROPROPENE	3/22/2013	0	Unregulated	µg/L
Organic	241525	***TRICHLOROETHYLENE	3/22/2013	0	1	µg/L
Organic	241525	***TRICHLOROETHYLENE	3/22/2013	0	1	µg/L
Organic	241525	TRICHLOROFLUOROMETHANE	3/22/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	241525	TRICHLOROFLUOROMETHANE	3/22/2013	0	Unregulated	µg/L
Organic	241525	***VINYL CHLORIDE	3/22/2013	0	1	µg/L
Organic	241525	***VINYL CHLORIDE	3/22/2013	0	1	µg/L
Petroleum Hydrocarbon	241525	XYLENES, TOTAL	3/22/2013	0	10,000	µg/L
Petroleum Hydrocarbon	241525	XYLENES, TOTAL	3/22/2013	0	10,000	µg/L
Organic	241528	TURBIDITY	1/28/2013	0.416	Unregulated	NTU
Organic	241528	TURBIDITY	1/28/2013	2.2	Unregulated	NTU
Organic	241528	1,1,1,2-TETRACHLOROETHANE	1/29/2013	0	Unregulated	µg/L
Organic	241528	1,1,1-TRICHLOROETHANE	1/29/2013	0	200	µg/L
Organic	241528	1,1,2,2-TETRACHLOROETHANE	1/29/2013	0	Unregulated	µg/L
Organic	241528	1,1,2-TRICHLOROETHANE	1/29/2013	0	5	µg/L
Organic	241528	1,1-DICHLOROETHANE	1/29/2013	0	7	µg/L
Organic	241528	1,1-DICHLOROETHYLENE	1/29/2013	0	7	µg/L
Organic	241528	1,1-DICHLOROPROPENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	1,2,3-TRICHLOROBENZENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	1,2,3-TRICHLOROPROPANE	1/29/2013	0	Unregulated	µg/L
Organic	241528	1,2,3-TRICHLOROPROPANE	1/29/2013	0	Unregulated	µg/L
Organic	241528	1,2,4-TRICHLOROBENZENE	1/29/2013	0	70	µg/L
Organic	241528	1,2,4-TRIMETHYLBENZENE	1/29/2013	0	70	µg/L
Organic	241528	1,2-DIBROMO-3-CHLOROPROPANE	1/29/2013	0	0.2	µg/L
Organic	241528	1,2-DIBROMO-3-CHLOROPROPANE	1/29/2013	0	0.2	µg/L
Organic	241528	1,2-DICHLOROETHANE	1/29/2013	0	5	µg/L
Organic	241528	1,2-DICHLOROPROPANE	1/29/2013	0	Unregulated	µg/L
Organic	241528	1,3,5-TRIMETHYLBENZENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	1,3-DICHLOROPROPANE	1/29/2013	0	Unregulated	µg/L
Organic	241528	1-NAPHTHOL	1/29/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	241528	2,2-DICHLOROPROPANE	1/29/2013	0	Unregulated	µg/L
Organic	241528	2,4,5-T	1/29/2013	0	Unregulated	µg/L
Organic	241528	2,4,5-TP	1/29/2013	0	50	µg/L
Organic	241528	2,4-D	1/29/2013	0	70	µg/L
Organic	241528	3-HYDROXYCARBOFURAN	1/29/2013	0	Unregulated	µg/L
Organic	241528	ACENAPHTHYLENE	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	ACIFLUORFEN	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	ALDICARB	1/29/2013	0	3	µg/L
Pesticide	241528	ALDICARB SULFONE	1/29/2013	0	4	µg/L
Pesticide	241528	ALDICARB SULFOXIDE	1/29/2013	0	2	µg/L
Inorganic	241528	ALKALINITY, BICARBONATE	1/29/2013	6.28	Unregulated	mg/L
Inorganic	241528	ALKALINITY, CARBONATE	1/29/2013	0	Unregulated	mg/L
Inorganic	241528	ALKALINITY, TOTAL	1/29/2013	6.28	Unregulated	mg/L
Organic	241528	ANTHRACENE	1/29/2013	0	Unregulated	µg/L
Metals	241528	ANTIMONY, TOTAL	1/29/2013	0	0.006	mg/L
Metals	241528	ARSENIC	1/29/2013	0	0.01	mg/L
Pesticide	241528	ATRAZINE	1/29/2013	0	3	mg/L
Metals	241528	BARIUM	1/29/2013	0.0922	1	mg/L
Pesticide	241528	BAYGON	1/29/2013	0	Unregulated	µg/L
Petroleum Hydrocarbon	241528	BENZENE	1/29/2013	0	5	µg/L
Pesticide	241528	BENZO(A)ANTHRACENE	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	BENZO(A)PYRENE	1/29/2013	0	0.2	µg/L
Pesticide	241528	BENZO(B)FLUORANTHENE	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	BENZO(G,H,I)PERYLENE	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	BENZO(K)FLUORANTHENE	1/29/2013	0	Unregulated	µg/L
Metals	241528	BERYLLIUM, TOTAL	1/29/2013	0	0.004	mg/L
Organic	241528	BROMOBENZENE	1/29/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	241528	BROMOCHLOROMETHANE	1/29/2013	0	Unregulated	µg/L
Organic	241528	BROMODICHLOROMETHANE	1/29/2013	0	Unregulated	µg/L
Organic	241528	BROMOFORM	1/29/2013	0	TTHM (80)	µg/L
Organic	241528	BROMOMETHANE	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	BUTACHLOR	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	BUTYLBENZYL PHTHALATE	1/29/2013	0.069	Unregulated	µg/L
Metals	241528	CALCIUM	1/29/2013	3.34	Unregulated	mg/L
Metals	241528	CALCIUM HARDNESS	1/29/2013	8.34	Unregulated	mg/L
Pesticide	241528	CARBARYL	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	CARBOFURAN	1/29/2013	0	40	µg/L
Organic	241528	CARBON TETRACHLORIDE	1/29/2013	0	5	µg/L
Organic	241528	CARBON, TOTAL	1/29/2013	1.84	Unregulated	mg/L
Inorganic	241528	*CHLORIDE	1/29/2013	17	250	mg/L
Organic	241528	CHLOROBENZENE	1/29/2013	0	100	µg/L
Organic	241528	CHLOROETHANE	1/29/2013	0	Unregulated	µg/L
Organic	241528	CHLOROFORM	1/29/2013	0.85	TTHM (80)	µg/L
Organic	241528	CHLOROMETHANE	1/29/2013	0	Unregulated	µg/L
Metals	241528	CHROMIUM	1/29/2013	0	0.1	µg/L
Pesticide	241528	CHRYSENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	CIS-1,2-DICHLOROETHYLENE	1/29/2013	0	70	µg/L
Organic	241528	CIS-1,3-DICHLOROPROPENE	1/29/2013	0	Unregulated	µg/L
Pathogens	241528	COLIFORM (TCR)	1/29/2013	0	0	CFU
	241528	*COLOR	1/29/2013	5	15	Units
	241528	CONDUCTIVITY @ 25 C UMHOS/CM	1/29/2013	238.4	Unregulated	UMHO/CM
Metals	241528	*COPPER, FREE	1/29/2013	0	1	mg/L
Inorganic	241528	CYANIDE	1/29/2013	0	0.2	mg/L
Pesticide	241528	DALAPON	1/29/2013	0	200	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	241528	DI(2-ETHYLHEXYL) ADIPATE	1/29/2013	0.056	400	µg/L
Organic	241528	DI(2-ETHYLHEXYL) PHTHALATE	1/29/2013	0.134	6	µg/L
Organic	241528	DIBENZO(A,H)ANTHRACENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	DIBROMOCHLOROMETHANE	1/29/2013	0	5	µg/L
Organic	241528	DIBROMOMETHANE	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	DICAMBA	1/29/2013	0	Unregulated	µg/L
Organic	241528	DICHLORODIFLUOROMETHANE	1/29/2013	0	Unregulated	µg/L
Organic	241528	DICHLOROMETHANE	1/29/2013	0	5	µg/L
Organic	241528	DIETHYL PHTHALATE	1/29/2013	0.068	Unregulated	µg/L
Organic	241528	DIMETHYL PHTHALATE	1/29/2013	0.04	Unregulated	µg/L
Organic	241528	DI-N-BUTYL PHTHALATE	1/29/2013	0.223	Unregulated	µg/L
Organic	241528	DI-N-OCTYL PHTHALATE	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	DINOSEB	1/29/2013	0	7	µg/L
Pesticide	241528	DIQUAT	1/29/2013	0	20	µg/L
Pesticide	241528	ENDOTHALL	1/29/2013	0	100	µg/L
Petroleum Hydrocarbon	241528	ETHYLBENZENE	1/29/2013	0	700	µg/L
Organic	241528	ETHYLENE DIBROMIDE	1/29/2013	0	0.05	µg/L
Organic	241528	ETHYLENE DIBROMIDE	1/29/2013	0	0.05	µg/L
Organic	241528	FLUORANTHENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	FLUORENE	1/29/2013	0	Unregulated	µg/L
Inorganic	241528	*FLUORIDE	1/29/2013	0	2	mg/L
Inorganic	241528	FREE RESIDUAL CHLORINE	1/29/2013	0	MRDL=4.3	mg/L
Pesticide	241528	GLYPHOSATE	1/29/2013	0	700	µg/L
Radionuclides	241528	GROSS ALPHA PARTICLE ACTIVITY	1/29/2013	1	0	PCI/L
Radionuclides	241528	GROSS BETA PARTICLE ACTIVITY	1/29/2013	2.9	0	PCI/L
Inorganic	241528	HARDNESS, CALCIUM MAGNESIUM	1/29/2013	6.67	Unregulated	mg/L
Inorganic	241528	*HARDNESS, TOTAL (AS CaCO3)	1/29/2013	15	200	mg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Pesticide	241528	HEXACHLOROBENZENE	1/29/2013	0	1	µg/L
Organic	241528	HEXACHLOROBUTADIENE	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	HEXACHLOROCYCLOPENTADIENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	IDENO(1,2,3-CD)PYRENE	1/29/2013	0	Unregulated	µg/L
Metals	241528	*IRON	1/29/2013	3.55	0.3	mg/L
Organic	241528	ISOPROPYLBENZENE	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	LASSO	1/29/2013	0	0.2	µg/L
Metals	241528	LEAD	1/29/2013	0	0.15	mg/L
Metals	241528	*MAGNESIUM	1/29/2013	1.62	Unregulated	mg/L
Organic	241528	M-DICHLOROBENZENE	1/29/2013	0	Unregulated	µg/L
Metals	241528	MERCURY	1/29/2013	0	0.002	mg/L
Pesticide	241528	METHIOCARB	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	METHOMYL	1/29/2013	0	Unregulated	µg/L
Petroleum Hydrocarbon	241528	***METHYL TERT-BUTYL ETHER	1/29/2013	0	10	µg/L
Pesticide	241528	METOLACHLOR	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	METRIBUZIN	1/29/2013	0	Unregulated	µg/L
Organic	241528	NAPHTHALENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	NAPHTHALENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	N-BUTYLBENZENE	1/29/2013	0	Unregulated	µg/L
Metals	241528	*NICKEL	1/29/2013	0	0.1	mg/L
Nutrient	241528	NITRATE	1/29/2013	0	10	mg/L
Nutrient	241528	NITRITE	1/29/2013	0	1	mg/L
Organic	241528	N-PROPYLBENZENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	O-CHLOROTOLUENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	O-DICHLOROBENZENE	1/29/2013	0	600	µg/L
Pesticide	241528	OXAMYL	1/29/2013	0	200	µg/L
Petroleum Hydrocarbon	241528	O-XYLENE	1/29/2013	0	See Total	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	241528	P-CHLOROTOLUENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	P-DICHLOROBENZENE	1/29/2013	0	75	µg/L
Organic	241528	PENTACHLOROPHENOL	1/29/2013	0	1	µg/L
Inorganic	241528	*PH	1/29/2013	5.35	6.5-8.6	pH Units
Organic	241528	PHENANTHRENE	1/29/2013	0	Unregulated	µg/L
Pesticide	241528	PICLORAM	1/29/2013	0	500	µg/L
Organic	241528	P-ISOPROPYLTOLUENE	1/29/2013	0	Unregulated	µg/L
Metals	241528	POTASSIUM	1/29/2013	2.01	Unregulated	mg/L
Pesticide	241528	PYRENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	SEC-BUTYLBENZENE	1/29/2013	0	Unregulated	µg/L
Metals	241528	SELENIUM	1/29/2013	0	0.01	µg/L
Metals	241528	SILICA	1/29/2013	17.1	Unregulated	mg/L
Metals	241528	SILVER	1/29/2013	0	0.1	mg/L
Pesticide	241528	SIMAZINE	1/29/2013	0	4	µg/L
Metals	241528	**SODIUM	1/29/2013	11.5	20	mg/L
Organic	241528	STYRENE	1/29/2013	0	100	µg/L
Inorganic	241528	*SULFATE	1/29/2013	18.9	250	mg/L
Inorganic	241528	*TDS	1/29/2013	97	500	mg/L
	241528	TEMPERATURE (CENTIGRADE)	1/29/2013	13.7	Unregulated	C
Inorganic	241528	TERT-BUTYLBENZENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	***TETRACHLOROETHYLENE	1/29/2013	0	1	µg/L
Metals	241528	THALLIUM, TOTAL	1/29/2013	0	0.002	mg/L
Petroleum Hydrocarbon	241528	TOLUENE	1/29/2013	0	1,000	µg/L
Disinfectants	241528	TOTAL CHLORINE	1/29/2013	0	MRDLG=4	mg/L
Organic	241528	TRANS-1,2-DICHLOROETHYLENE	1/29/2013	0	100	µg/L
Organic	241528	TRANS-1,3-DICHLOROPROPENE	1/29/2013	0	Unregulated	µg/L
Organic	241528	***TRICHLOROETHYLENE	1/29/2013	0	1	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	241528	TRICHLOROFLUOROMETHANE	1/29/2013	0	Unregulated	µg/L
Organic	241528	TURBIDITY	1/29/2013	0.318	Unregulated	NTU
Organic	241528	***VINYL CHLORIDE	1/29/2013	0	1	µg/L
Petroleum Hydrocarbon	241528	XYLENE, META AND PARA	1/29/2013	0	See Total	µg/L
Metals	241528	*ZINC	1/29/2013	0.0187	5	mg/L
Organic	241528	1,1,1,2-TETRACHLOROETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,1,1,2-TETRACHLOROETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,1,1-TRICHLOROETHANE	3/20/2013	0	200	µg/L
Organic	241528	1,1,1-TRICHLOROETHANE	3/20/2013	0	200	µg/L
Organic	241528	1,1,2,2-TETRACHLOROETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,1,2,2-TETRACHLOROETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,1,2-TRICHLOROETHANE	3/20/2013	0	5	µg/L
Organic	241528	1,1,2-TRICHLOROETHANE	3/20/2013	0	5	µg/L
Organic	241528	1,1-DICHLOROETHANE	3/20/2013	0	7	µg/L
Organic	241528	1,1-DICHLOROETHANE	3/20/2013	0	7	µg/L
Organic	241528	1,1-DICHLOROETHYLENE	3/20/2013	0	7	µg/L
Organic	241528	1,1-DICHLOROETHYLENE	3/20/2013	0	7	µg/L
Organic	241528	1,1-DICHLOROPROPENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,1-DICHLOROPROPENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,2,3-TRICHLOROBENZENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,2,3-TRICHLOROBENZENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,2,3-TRICHLOROPROPANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,2,3-TRICHLOROPROPANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,2,4-TRICHLOROBENZENE	3/20/2013	0	70	µg/L
Organic	241528	1,2,4-TRICHLOROBENZENE	3/20/2013	0	70	µg/L
Organic	241528	1,2,4-TRIMETHYLBENZENE	3/20/2013	0	70	µg/L
Organic	241528	1,2,4-TRIMETHYLBENZENE	3/20/2013	0	70	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	241528	1,2-DIBROMO-3-CHLOROPROPANE	3/20/2013	0	0.2	µg/L
Organic	241528	1,2-DIBROMO-3-CHLOROPROPANE	3/20/2013	0	0.2	µg/L
Organic	241528	1,2-DICHLOROETHANE	3/20/2013	0	5	µg/L
Organic	241528	1,2-DICHLOROETHANE	3/20/2013	0	5	µg/L
Organic	241528	1,2-DICHLOROPROPANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,2-DICHLOROPROPANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,3,5-TRIMETHYLBENZENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,3,5-TRIMETHYLBENZENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,3-DICHLOROPROPANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	1,3-DICHLOROPROPANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	2,2-DICHLOROPROPANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	2,2-DICHLOROPROPANE	3/20/2013	0	Unregulated	µg/L
Petroleum Hydrocarbon	241528	BENZENE	3/20/2013	0	5	µg/L
Petroleum Hydrocarbon	241528	BENZENE	3/20/2013	0	5	µg/L
Organic	241528	BROMOBENZENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	BROMOBENZENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	BROMOCHLOROMETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	BROMOCHLOROMETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	BROMODICHLOROMETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	BROMODICHLOROMETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	BROMOFORM	3/20/2013	0	TTHM (80)	µg/L
Organic	241528	BROMOFORM	3/20/2013	0	TTHM (80)	µg/L
Organic	241528	BROMOMETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	BROMOMETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	CARBON TETRACHLORIDE	3/20/2013	0	5	µg/L
Organic	241528	CARBON TETRACHLORIDE	3/20/2013	0	5	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	241528	CHLOROBENZENE	3/20/2013	0	100	µg/L
Organic	241528	CHLOROBENZENE	3/20/2013	0	100	µg/L
Organic	241528	CHLOROETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	CHLOROETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	CHLOROFORM	3/20/2013	0	TTHM (80)	µg/L
Organic	241528	CHLOROFORM	3/20/2013	0	TTHM (80)	µg/L
Organic	241528	CHLOROMETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	CHLOROMETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	CIS-1,2-DICHLOROETHYLENE	3/20/2013	0	70	µg/L
Organic	241528	CIS-1,2-DICHLOROETHYLENE	3/20/2013	0	70	µg/L
Organic	241528	CIS-1,3-DICHLOROPROPENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	CIS-1,3-DICHLOROPROPENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	DIBROMOCHLOROMETHANE	3/20/2013	0	5	µg/L
Organic	241528	DIBROMOCHLOROMETHANE	3/20/2013	0	5	µg/L
Organic	241528	DIBROMOMETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	DIBROMOMETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	DICHLORODIFLUOROMETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	DICHLORODIFLUOROMETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	DICHLOROMETHANE	3/20/2013	0	5	µg/L
Organic	241528	DICHLOROMETHANE	3/20/2013	0	5	µg/L
Petroleum Hydrocarbon	241528	ETHYLBENZENE	3/20/2013	0	700	µg/L
Petroleum Hydrocarbon	241528	ETHYLBENZENE	3/20/2013	0	700	µg/L
Organic	241528	ETHYLENE DIBROMIDE	3/20/2013	0	0.05	µg/L
Organic	241528	ETHYLENE DIBROMIDE	3/20/2013	0	0.05	µg/L
Organic	241528	HEXACHLOROBUTADIENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	HEXACHLOROBUTADIENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	ISOPROPYLBENZENE	3/20/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	241528	ISOPROPYLBENZENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	M-DICHLOROBENZENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	M-DICHLOROBENZENE	3/20/2013	0	Unregulated	µg/L
Petroleum Hydrocarbon	241528	***METHYL TERT-BUTYL ETHER	3/20/2013	0	10	µg/L
Petroleum Hydrocarbon	241528	***METHYL TERT-BUTYL ETHER	3/20/2013	0	10	µg/L
Organic	241528	NAPHTHALENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	NAPHTHALENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	N-BUTYLBENZENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	N-BUTYLBENZENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	N-PROPYLBENZENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	N-PROPYLBENZENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	O-CHLOROTOLUENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	O-CHLOROTOLUENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	O-DICHLOROBENZENE	3/20/2013	0	600	µg/L
Organic	241528	O-DICHLOROBENZENE	3/20/2013	0	600	µg/L
Organic	241528	P-CHLOROTOLUENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	P-CHLOROTOLUENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	P-DICHLOROBENZENE	3/20/2013	0	75	µg/L
Organic	241528	P-DICHLOROBENZENE	3/20/2013	0	75	µg/L
Organic	241528	P-ISOPROPYLTOLUENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	P-ISOPROPYLTOLUENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	SEC-BUTYLBENZENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	SEC-BUTYLBENZENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	STYRENE	3/20/2013	0	100	µg/L
Organic	241528	STYRENE	3/20/2013	0	100	µg/L
Inorganic	241528	TERT-BUTYLBENZENE	3/20/2013	0	Unregulated	µg/L
Inorganic	241528	TERT-BUTYLBENZENE	3/20/2013	0	Unregulated	µg/L

Contaminant Class	DNREC ID	Contaminant	Sample Date	Result	Standard	Units
Organic	241528	***TETRACHLOROETHYLENE	3/20/2013	0	1	µg/L
Organic	241528	***TETRACHLOROETHYLENE	3/20/2013	0	1	µg/L
Petroleum Hydrocarbon	241528	TOLUENE	3/20/2013	0	1,000	µg/L
Petroleum Hydrocarbon	241528	TOLUENE	3/20/2013	0	1,000	µg/L
Organic	241528	TRANS-1,2-DICHLOROETHYLENE	3/20/2013	0	100	µg/L
Organic	241528	TRANS-1,2-DICHLOROETHYLENE	3/20/2013	0	100	µg/L
Organic	241528	TRANS-1,3-DICHLOROPROPENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	TRANS-1,3-DICHLOROPROPENE	3/20/2013	0	Unregulated	µg/L
Organic	241528	***TRICHLOROETHYLENE	3/20/2013	0	1	µg/L
Organic	241528	***TRICHLOROETHYLENE	3/20/2013	0	1	µg/L
Organic	241528	TRICHLOROFLUOROMETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	TRICHLOROFLUOROMETHANE	3/20/2013	0	Unregulated	µg/L
Organic	241528	***VINYL CHLORIDE	3/20/2013	0	1	µg/L
Organic	241528	***VINYL CHLORIDE	3/20/2013	0	1	µg/L
Petroleum Hydrocarbon	241528	XYLENES, TOTAL	3/20/2013	0	10,000	µg/L
Petroleum Hydrocarbon	241528	XYLENES, TOTAL	3/20/2013	0	10,000	µg/L
Pathogens	241528	COLIFORM (TCR)	7/10/2014	0	1	CFU
Pathogens	241528	COLIFORM (TCR)	8/21/2014	0	2	CFU
Pathogens	241528	COLIFORM (TCR)	9/22/2014	0	3	CFU
Pathogens	241528	COLIFORM (TCR)	9/22/2014	0	4	CFU
Pathogens	241528	COLIFORM (TCR)	12/5/2014	0	5	CFU

Appendix D. Data Sources

Table 15. Data Sources Used in Source Water Assessments

The data used in the Source Water Assessments is provided by many State Agencies. For more information regarding each program, you may contact them directly.

Type	Organization	Section	Phone Number
Public Water Supply Well Data	Department of Natural Resources and Environmental Control	Water Supply Section	(302) 739-9945
Public Water Supply Well Data	Delaware Geological Survey		(302) 831-2833
Water Quality Data	Department of Health and Social Services	Division of Public Health Office of Drinking Water	(302) 741-8630
Land Use / Land Cover GIS Coverage	Delaware Office of State Planning Coordination		(302) 739-3090
Animal Feedlot Operations	County Conservation Districts	Kent	(302) 697-2600
Animal Feedlot Operations	County Conservation Districts	New Castle	(302) 832-3100
Animal Feedlot Operations	County Conservation Districts	Sussex	(302) 856-3990
Combined Sewer Overflows (CSOs)	Department of Natural Resources and Environmental Control	Surface Water Discharges Section	(302) 739-9946
Dredge Spoil Disposal Areas	Department of Natural Resources and Environmental Control	Soil and Water Conservation	(302) 739-9921
Hazardous Waste Generator Sites	Department of Natural Resources and Environmental Control	Solid and Hazardous Waste Management Branch	(302) 739-9403
Landfills and Dumps	Department of Natural Resources and Environmental Control	Solid and Hazardous Waste Management Branch	(302) 739-9403
Large On-site Septic Systems	Department of Natural Resources and Environmental Control	Ground Water Discharges Section	(302) 739-9948
NPDES Wastewater Outfalls	Department of Natural Resources and Environmental Control	Surface Water Discharges Section	(302) 739-9946
Pesticide Loading, Mixing, and Storage Facilities	Delaware Department of Agriculture	Pesticide Management Section	(302) 739-4811
Salvage Yards	Department of Natural Resources and Environmental Control	Solid and Hazardous Waste Management Branch	(302) 739-9403
Site Investigation and Restoration Branch (SIRB) [Superfund] Sites	Department of Natural Resources and Environmental Control	Site Investigation and Restoration Branch	(302) 395-2600
Sludge Application Sites	Department of Natural Resources and Environmental Control	Surface Water Discharges Section	(302) 739-9946
Spray Irrigation Sites	Department of Natural Resources and Environmental Control	Ground Water Discharges Section	(302) 739-9948
Tire Piles	Department of Natural Resources and Environmental Control	Solid and Hazardous Waste Management Branch	(302) 739-9403
Toxic Release Inventory Sites	Department of Natural Resources and Environmental Control	Air Quality Management Section	(302) 739-9402
Underground Storage Tanks	Department of Natural Resources and Environmental Control	Underground Storage Tank Branch	(302) 395-2500

Appendix E. Historical Wells

Table 16. Historical Record of All Wells Associated with Facility.

DNREC ID	Well Type	Local ID	Permit Issued	Date Constructed	Year Abandoned	Well Capacity (gpm)	Diameter (inches)	Screen Interval (fbgs)
3370	Public		1951-01-01					
4198	Public		1973-05-29	1973-05-29	-	400	2	75-95
10264	Public		1954-10-13			250		-118
81150	Public		1988-02-02	1988-02-16	-	100	6	76-116
214276	Test	TW#3	-	2006-06-09	-	-	4	130-180
212713			2006-01-24	2006-12-21			4	290-330
232793	Ob.	TW#1	-	2010-09-22	-	-	4	80-110
241236			Voided					
241526	Ob.		-	2013-01-21	-	-	2	92-122
241259	Ob.	OBS-CR1	-	2013-01-16	-	-	2	90-120