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# **ATTACHMENTS**

Attachment A – Interlocal Agreement

Attachment B – Bond Vote Documents

Attachment C – Option 1 Map and Interest Survey Results

Attachment D – Option 2 Map

Attachment E – WaterCAD

Attachment F – 2017 Alburgh Village Data

Attachment G – Phase I Categorical Exclusion

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# SOUTH ALBURGH FIRE DISTRICT NO. 2

# WATER SYSTEM IMPROVEMENTS PROJECT ADDENDUM TO BASIS OF FINAL DESIGN AUGUST 31, 2018

#### 1.0 EXECUTIVE SUMMARY

# 1.1 History

The South Alburgh Fire District No. 2 (SAFD2) was formed in July 2004 to design, construct, and operate a public water system for the residents of South Alburgh, Vermont. Historically, the domestic water needs within the SAFD2 boundary have been met by private water supplies, consisting of shallow/dug wells, drilled wells, or directly taking water from Lake Champlain. There is a well-documented and long history of poor water quality available from these sources. Shallow wells are seasonally unreliable and provide poor water quality; drilled wells have high sulfur/odor issues; Lake Champlain represents an untreated surface water source plagued by algae blooms, wet-weather induced coliform violations, and zebra mussel issues.

The Village of Alburgh (Village) has an existing public water supply system with excess reserve capacity and the two entities have executed a Water Sales Agreement defining the terms by which the Village will supply water to SAFD2. A Basis of Design was prepared and submitted to the Water Supply Division (now the Drinking Water and Groundwater Protection Division) on January 19, 2005. This document summarized the planning phase of the project and serves the purposes of what is currently referred to as a Preliminary Engineering Report (PER). This original planning effort envisioned 18 miles of water main to provide reliable and safe potable water to the entire service area. SAFD2 passed a bond vote in October 2004 for \$6.9 million to finance the cost of constructing a public water system.

An Addendum to the Basis of Design was prepared and submitted to the Drinking Water and Groundwater Protection Division on January 28, 2013. At that time the following changes were made.

- 1. The scope of the project was reduced to include only five miles of the section originally identified as Contract No. 3. There were approximately 125 Equivalent Residential Units (ERUs) along the proposed route. The targeted number of ERUs was reduced to 75.
- 2. The water source was changed from the North Hero system to the Alburgh Village system due to the inability of SAFD2 and the Town of North Hero to come to terms for an Interlocal Agreement. SAFD2 signed a Water Sales Agreement with the

Village of Alburgh in the summer of 2012. A copy of the Agreement is included in **Appendix A**.

- 3. It was decided that SAFD2 would not provide fire flow capacity in its Service Area. An independent water storage tank for SAFD2 was eliminated, as the reduced scope allowed SAFD2 users to utilize the existing elevated tank in the Village.
- 4. The limited distribution system was designed to provide water to up to 100 ERUs along the western shore of South Alburgh, although the target was 75 ERUs based on interest and financial considerations.
- 5. Eight-inch diameter C900 polyvinyl chloride (PVC) pipe was selected for the water main. Iron pipe failures in similar soils in neighboring North Hero and increases in the material costs of ductile iron have led to this change.

The modified project as identified above was constructed over the winter of 2013 and the following spring and summer of 2014. The system is now in its fifth year of operation and serves water to 64 year round and seasonal residents. An estimated \$4.38 million of bond authorization remains, following this first phase of implementing a SAFD2 public water system, which can be utilized to advance a subsequent phase.

# 1.2 Current Planning

Earlier in 2018, SAFD2 engaged DuBois and King, Inc., (D&K) to explore the next phase of expanding the water system, as the first segment has proved self-sustaining over the first five years and interest remains for public water in the rest of Alburgh. The issues which drove the project from the beginning still remain, including poor and underperforming private water sources that do not meet the water quality requirements of the State of Vermont.

To assist in reactivating planning for the next phase of this project, SAFD2 applied for and was awarded a Special Evaluation Assistance for Rural Communities and Households (SEARCH) grant from the United States Department of Agriculture, Rural Development (RD). The results of this planning effort are summarized in this current addendum to the previous Preliminary Engineering Report/Basis of Design, and explores this expansion project in more detail.

In summary the following items were identified during preparation of this report.

- 1. The largest amount of interest in public water is on the eastern side of the Alburgh Peninsula, and is concentrated on the southern end.
- 2. It is still desirable to use Alburgh Village as the water source for SAFD2. It is not affordable or practical to reconsider a cross connection to North Hero.

- 3. Alburgh Village has the capacity to serve up to 70 ERU's without adding a third filter. As the target number of users for the new project is 140, a new filter will need to be installed along with ancillary supporting hardware. It is noted that the Alburgh Village water treatment facility anticipated this growth and was originally designed to accommodate a third filter with minimal modification.
- 4. SAFD2 will continue to use C900 PVC pipe due to the failure of Ductile Iron pipe in similar soils in neighboring locations.

#### 2.0 NEED FOR PROJECT

In July 2004 SAFD2 was formed as a product of several years of planning through a committee of private citizens and the Town of Alburgh Selectboard. The SAFD2 orchestrated the planning of a new water system in conjunction with the private consulting firm Phelps Engineering. Phelps engineering proposed approximately 26,000 linear feet of water main, hydrants, and valves which would supply water to approximately 550 homes via the treated Alburgh Village surface water intake on Lake Champlain.

A bond vote was conducted on October 26<sup>th</sup> 2004 for the project as outlined above. At that time voters authorized up to \$6,900,000 for construction of a public water system to serve the entire Alburgh peninsula. A copy of the Bond Vote documentation is provided in **Appendix B.** 

Due to financial limitations only the first phase of the project was constructed over the winter/summer of 2013-2014. On July 29<sup>th</sup> 2014 the water system received Permit to Operate #20964-14.0 from the State of Vermont. At the time of completion, the water system went online with 55 connections and an ERU base of 57 (due to the connection of a golf course).

No significant improvements or new technologies have been implemented on the existing private water sources. The water quality issues that caused the formation of the Fire District 14 years ago still exist today.

# 2.1 Health, Sanitation, and Security

Prior to the formation of SAFD2 all properties obtained water via well or lake intake.

Shallow dug wells are seasonally unreliable and poor water quality. Drilled wells in this area commonly have elevated levels of sulfur/odor, and in some cases methane.

Lake intakes are also used. Lake Champlain is an untreated water source plagued by blue-green algae blooms, wet-weather induced coliform violations, and zebra mussel issues.

Properties that are changing ownership via mortgage sometimes have issues as banks do not want to finance a property with a non-compliant water source. Due to the requirements of sale many properties must move from an existing shallow well or lake intake, to a drilled well that requires water treatment for sulfur or methane.

# 2.2 Aging Infrastructure

Aging infrastructure does not play a significant role in the need for this project. The project proposes installation new system components due to the lack of an existing public water system. The portion of the water system that was built during phase 1 of the project was completed in 2013-2014, the components are in good condition, and replacement or refurbishment is not necessary. The anticipated life spans of the components installed in 2013-2014 are listed below.

- Water Main = 80 years
- Valves = 50 years
- Curb Stops = 50 years
- Corporation Stops = 50 years
- Individual Water Meters = 25 years
- Master Water Meter = 25 years

The age and condition of existing private water systems and their components is generally unknown, however it is likely that they have not been replaced since installation as homeowners typically try to make their systems last as long as possible. It is known based on previous surveys that many of the existing private systems do not function or provide water quality to the owner's satisfaction. The expansion of the SAFD2 water system would eliminate these old and out of compliance water systems.

#### 2.3 Reasonable Growth

The need for the water system expansion does not hinge on meeting future growth goals or creating growth but rather providing reliable potable water to the growth that has already occurred. There exists a significant percentage of the South Alburgh population that does not have the option of connecting to a public water system. South Alburgh currently does not have a growth goal however growth rate experienced during the last census period (2000-2010) for South Alburgh was far below the 1990-2000 period, significantly below the 2000-2010 Grand Isle County wide rate, and significantly below the Vermont state wide rate.

The latest demographic information available for Alburgh Town in Grand Isle County, VT (2010, Demographic Information for Alburgh) is shown below.

Category	Alburgh Town	Grand Isle County
	TOWN	
Male	996	3,478
Female	1,002	3,492
Under 5 years	99	319
5 - 17 years	325	1,098
18 – 20 years	64	208
21 – 24 years	81	225
25- 34 years	238	673
35 – 44 years	276	905
45 – 54 years	350	1,295
55 – 59 years	161	691
60 – 64 years	128	577
65 – 74 years	177	630
75 – 84 years	74	270
85 years and over	25	79
Median Age	42.2	45.5

Population trends for Alburgh Town from the 2010 census are shown below.

Census Year	Population	Percent Change
1990	1,362	-
2000	1,952	+ 43.3
2010	1,998	+ 2.4

Population trends for Alburgh Village from the 2010 census are shown below.

Census Year	Population	Percent Change
1990	436	-
2000	488	+ 11.9
2010	497	+ 1.8

Population trends for Grand Isle County from the 2010 census are shown below.

Census Year	Population	Percent Change
1990	5,318	-
2000	6,901	+ 29.8
2010	6,970	+ 1.0

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Population trends for the State of Vermont from the 2010 census are shown below.

Census Year	Population	Percent Change
1990	562,758	-
2000	608,827	+ 8.2
2010	625,741	+ 2.8

Population density comparisons to Alburgh Town from the 2010 census are shown below.

	Total Area (sq. miles)	Land Area (sq. miles)	Population Density Per Square Mile of Land	Housing Density Per Square Mile of Land
Alburgh Village	0.64	0.64	776.6	515.6
Alburgh Town	38.67	38.24	24.6	13.4
Grand Isle County	194.7	81.81	85.2	61.7
Vermont	9,616	9,217	67.9	35.0

The expansion of the SAFD2 water system will help support the growth that occurred between 1990 and 2010, and will replace non-compliant water systems serving existing residences.

At this time growth is primarily limited in South Alburgh by wastewater capacity. South Alburgh does not have a municipal wastewater system and does not have plans for one in the immediate future. Properties currently rely on private disposal systems and it is known to be difficult to find appropriate soils for wastewater disposal systems in South Alburgh. Therefore it is our opinion that the water project will not create any excessive or unreasonable growth in the Town.

#### 2.4 Continued Interest

Perhaps most important, there continues to be strong interest in connecting to a public water system from the very people who voted for the bond in 2004. In the summer of 2016 an interest survey was conducted of the residents in the Town of Alburgh. Results of this survey are presented in Exhibit form in **Appendix C.** The survey showed that just over 100 people are still interested in pursuing the project further.

This response is low due to the survey being a mailing only, with no door-to-door or personnel outreach. However, the results still show strong local support for the project, and a desire to move the project towards its original intended scope.

Alburg Dunes State Park is located in the southern portion of the SAFD2 service area. D&K reached out to representatives from the Vermont Department of Forests, Parks and Recreation to discuss the potential expansion of the public water system, and there was an expression of interest in connecting to such a system in the future.

#### 3.0 PROJECT OPTIONS

Multiple options were evaluated during the preliminary engineering design effort, in an effort to identify the most economical way to provide water to the east coast of Alburgh, while also serving the largest number of new users. During the original planning effort, multiple options were explored including:

- Extending a pipeline along the northern side on Route 2 and extending down the east side to the southern end of the peninsula.
- Extending a pipeline south from Phase 1 to the 129 crossing from west to east. This crosses an existing "swamp" and would necessitate a long horizontal directional bore. Piping would then be extended north to Wagner Point, and to the southern end of the peninsula.

In addition to revisiting these options, D&K also looked at a new option based on an inquiry from a local farmer. A dairy farmer operating on Middle Road has expressed interest in water service. When this input was considered, it was realized that a cross connect could be constructed between the existing piping on West Shore Road and Route 2, and the farm could be served as well. This led a third option to be evaluated.

• Branching off the existing 8" distribution piping at Middle Road, and constructing a pipeline between West Shore Road and Route 2. Piping would then be extended to the southern end of the peninsula.

The first option listed above, extending from the Village down along Route 2, was quickly eliminated due to the large distance between properties on the north end of the peninsula, and the amount of piping that would need to be installed to reach the southern end. The other two options, hereinafter identified as Options 1 and 2, were explored in more detail.

#### 4.0 PROPOSED PROJECT SCOPES

# Option 1

The proposed project scope for SAFD2 is presented in simplified form in **Appendix C** and is defined as follows:

Water Main Extension to the east coast of Alburgh Peninsula via Middle Road Crossing.

Installation of 42,630 feet of 8" C900 PVC and 2,000 feet of 2" C900 PVC water main to connect 140 ERU's at system construction, with the potential to expand to 240 ERU's in the future.

The project is proposed to utilize the following components of the Village of Alburgh's system:

- Existing Lake Champlain Surface Water Intake.
- Existing Water Treatment Plant filters, pumps, and treatment units.
- Existing 200,000 gallon Water Storage Tank.
- Existing Village water distribution piping.

The project is proposed to utilize the following existing SAFD2 components:

- Intersystem Flow Meter.
- Phase 1 8" C900 PVC water main piping and valves.

Based on the detailed design data provided below, it is anticipated the system expansion will require construction of the following items:

- 8" C900 PVC Water Main & Valves.
- New package filter and applicable support equipment in the Alburgh Village Treatment Plant.
- Flow Meter Pits on Individual Water Services.
- Flushing Hydrants.
- Chlorine Booster Station: It is possible the system expansion will require supplemental chlorine addition either at the interconnect location or along the distribution route. This has not yet been determined, but would be evaluated and included in the final design phase, if necessary.

## **Option 2**

The proposed project scope for SAFD2 is presented in simplified form in **Appendix D** and is defined as follows:

Water Main Extension to the east coast of Alburgh Peninsula via Route 129 "Swamp" crossing.

Installation of 36,971 feet of 8" C900 PVC and 2,000 feet of 2" C900 PVC water main, and 2,500 feet of 8" HDPE water main, to connect 140 ERU's at system construction, with the potential to expand to 240 ERU's in the future.

The project is proposed to utilize the following components of the Village of Alburgh's system:

- Existing Lake Champlain Surface Water Intake.
- Existing Water Treatment Plant filters, pumps, and treatment units.
- Existing 200,000 gallon Water Storage Tank.
- Existing Village water distribution piping.

The project is proposed to utilize the following existing SAFD2 components:

- Intersystem Flow Meter.
- Phase 1 8" C900 PVC water main piping and valves.

Based on the detailed design data provided below, it is anticipated the system expansion will require construction of the following items:

- 8" C900 PVC Water Main & Valves.
- 8" HDPE Water Main & Valves.
- New package filter and applicable support equipment in the Alburgh Village Treatment Plant.
- Flow Meter Pits on Individual Water Services.
- Flushing Hydrants.
- Chlorine Booster Station: It is possible the system expansion will require supplemental chlorine addition either at the interconnect location or along the distribution route. This has not yet been determined, but would be evaluated and included in the final design phase, if necessary.

#### 5.0 **DETAILED BASIS OF DESIGN**

The SAFD2 water system design elements include:

- Water main design.
- Water services design.
- Estimate of current and future ERUs.
- Calculation of current and future water demands based on the ERUs.
- Evaluation of the existing Alburgh Village Water Treatment Plant capacity and its ability to meet project demands.
- Finished water storage design.
- Fire protection.

The amended Basis of Design for each of these elements is provided below.

#### **5.1** Water Main Design

Eight-inch diameter C900 PVC pipe was selected for the water main for the following reasons:

- Recent bids have shown that C900 PVC water main can be installed at a significant cost savings over traditional ductile iron pipe; and
- Failures of ductile iron pipe in areas adjacent to wetlands in neighboring North Hero indicate the potential for problems in the proposed Service Area, which has similar soil properties.



C900 pipe being installed during Phase 1

The existing and expanded systems were modeled using WaterCAD design software. Using that software and peak flows as determined using AWWA M22, it was determined that 8" water mains will provide adequate pressure at standard domestic flow rates. WaterCAD results are provided in **Appendix E**. It should be noted that although fire protection will not be provided, the system is designed to accommodate the capability in the future by using 8" water mains in all locations, and installing all flushing hydrants with 8x6 tees to allow for replacement with standard hydrants if and when adequate flow and pressure capabilities are constructed in the future.

It should be noted that although the WaterCAD model shows that the system will provide adequate pressure at initial buildout, it also shows that a system booster may be required in the future in order to maintain a minimum of 35psi per Water Supply Rule (WSR) 8.1.1. The timing for this booster station is dependent upon future growth and new connections to the water system.

# **5.2** Water Service Design

Prefabricated meter pits located at the Town Right-of-Way (ROW) will be used for all service connections. The meter pit has several advantages for this project, most notably for properties where structures are located at great distance from the roadway. As many residents may plan to use their existing water service connections, meter pits eliminate the potential for large volumes of unaccounted-for water (due to leaks).



Meter pit being installed at a residence served by SAFD2

#### 5.3 Estimate of Current and Future ERUs

SAFD2 has identified 75 interested users along the project route from the July 2016 survey. It will be necessary to grow this number to 140 prior to start of construction to insure an economical project. This coupled with the 62 existing users accounts for a total of 202 anticipated users of the SAFD2 at the completion of the next phase of construction.

#### 5.4 Calculation of Current and Future Water Demands

Water demand was determined using the methods outlined in WSR section 2.2. One year of daily production data for the Alburgh Village water plant meter, which serves both Alburgh Village and Phase 1 of the SAFD2, was evaluated as follows:

Due to the seasonal nature of many of the residence, Average Daily Demand (ADD) was established by determining the Average Daily flow for the Months of July and August (period of maximum occupancy). This flow was then adjusted upward per the WSR to the bottom limit of 60gpd/person.

Maximum Daily Demand (MDD) was established by finding the maximum amount of water produced in one 24 hour period during the year 2017 per the WSR.

Peaking Factor was established per the WSR by dividing the MDD by the ADD

The above calculations established the following.

Current ADD: 94,195 gallons per day Current MDD: 180,900 gallons per day

Peaking Factor: 1.92

ADD per ERU: 240 gallons per day per WSR 2.2.1.2

MDD per ERU 461 gallons per day

Projected MDD: 245,528 gallons per day (with 140 new ERU's) Projected ADD: 127,795 gallons per day (with 140 new ERU's)

Detailed calculations and WSR references for establishing these figures are provided in **Tables 1 and 2.** Alburgh Village Treatment Plant data for 2017 is provided in **Appendix F.** 

# 5.5 Evaluation of Existing Alburgh Village Water Treatment Plant Capacity and Its Ability to Meet Project Demands

#### 5.5.1 Filtration

The Alburgh Village system is equipped with two filters each capable of operating at a flow rate of 175 gallons per minute (gpm). Assuming the largest filter is out

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of service, the maximum output after factoring lost production from backwash cycles and flushing is 213,375 gpd. Based on the projected demands of SAFD2 and the projected future demands of Alburgh Village, the treatment plant as currently constructed **would not** be able to supply water to both systems. As such it has been determined that a new (third) water filter and supporting hardware will need to be installed.

When the Alburgh Village Water Treatment Plant upgrades were originally designed, the system was configured to allow for the future install of a third 175 GPM filter, effectively doubling the current capacity of the treatment plant. **Table 1** shows plant and reserve capacity without a new filter. **Table 2** shows plant and reserve capacity with a new filter. As detailed in Table 2 if a new filter is installed, then the system will have a reserve capacity of 181,322 gallons per day after SAFD2 is constructed. This is a significant reserve capacity for the future growth of the Village and SAFD2.

#### 5.5.2 Chlorine Contact Time

The total clearwell volume at the Alburgh Village Water Treatment Plant is 32,682 gallons. This constitutes the operating volume, and there is additional freeboard volume above this. In the winter, when chlorine demand is highest, approximately 32,000 gallons of storage are required for chlorine contact in order for the filters and high lift pumps to operate at full production rates. Backwash water is stored in a separate tank and is not taken out of the clearwell.

As the filters are variable flow, the minor additional production needed on a max day can be achieved by running two filters in parallel at a lower flow to prolong run time between backwashes. Project MDD for the system when constructed is 245,428 gallons per day. This equates to 188 gpm.

The existing chlorine contact time chamber can easily accommodate up to 200 GPM with a maximum chlorine dose of 0.7mg/l. The existing chlorine contact chamber is therefore adequate for plant expansion.

Chlorine contact time projections are shown in **Table 3**.

#### **5.5.3 UV Disinfection**

The Alburgh Village Water Treatment Plant was designed as a Multi Barrier system, with UV and Chlorine being used in conjunction to provide necessary disinfection. The existing UV system will be evaluated, and a third treatment unit added if needed to accommodate the full flow of the new filter. For the purposes of this report, we are assuming a third UV unit will be necessary.

# **5.5.4 Pumping**

The Alburgh Village Treatment Plant was designed with full redundancy. There are currently two treatment trains, each with a 175 gpm Low Lift Pump, 175 gpm Filter, and 175 gpm High Lift Pump. As the plant was designed to accept a third filter, it was also designed to accommodate a third Low Lift and a third High Lift pump.

# 5.5.5 Storage

WSR 7.0.1 states that a water storage tank shall have storage for ADD. As the Village of Alburgh also has fire protection, the tank must also accommodate 2 hours of fire flow at 500 gpm. This means that the tank must have a usable volume of 187,795 gallons to meet the needs of the SAFD2 proposed expansion. As the existing water storage tank is 200,000 gallons capacity, it can support the proposed, and future expansion.

#### 6.0 ECONOMICS AND FINANCIAL IMPACTS

SAFD2 Phase 1 was designed with a yearly water cost of approximately \$1,000.00. This has increased a bit, but it is still the goal to try and maintain user costs at approximately \$1,000.00 per year. The Board has made the decision that any system expansion must be sustainable, which means user costs must remain the same or be lower after the new project costs, and new user revenues are taken into account.

Additionally the Board has made the decision that the expansion project must fall within the limits of the existing bond vote, so that a further bond vote is not required. After Phase 1 construction an estimated \$4.38 million remains for this project phase.

Finally, due to changes in the way the funding agencies evaluate Median Household Income (MHI), SAFD2 is no longer eligible for a -3% loan as it was during Phase 1. The best funding currently available appears to be a 30 year loan at 0% interest, which was used to summarize user costs below. Ultimately, funding agencies will establish the details of a funding package that can be presented to SAFD2 for consideration.

An analysis of **Options 1 and 2** (as identified above) was completed and is presented in **Tables 4 and 5.** The analysis is summarized below:

**Option 1** is constructible within the constraints of the existing approved bond. Projected total project cost would be \$4,374,000.00. With a 30 year loan at 0% interest user costs would be \$1,041.00 per year.

**Option 2** is too costly. In order to construct **Option 2** a new bond vote would be required. Projected total project cost would be \$4,805,000.00. With a 30 year loan at 0% interest user costs would be \$1,142.00 per year.

**NOTE:** It is noted that at the time this report was being finalized, SAFD2 was intending to utilize the services of Vermont Rural Water Association (VRWA) to undertake an Income Survey in an effort to document a lower MHI, which could result in a more favorable funding outlook, and lower user costs.

#### 7.0 ENVIRONMENTAL REVIEW

The project will be constructed using the same techniques and methods as were used for Phase 1. Phase 1 of the project received a Categorical Exclusion in 2013. The Notice of Determination of Eligibility for Categorical Exclusion is presented in **Appendix G** for reference.

# 7.1 Project Description, Purpose, and Need

This information is presented above in Sections 2, 3, and 4.

# 7.2 Anticipated Growth related to the project

This information is presented above in **Section 2.3** 

#### 7.3 Wetlands and Water Resources

Wetlands were previously delineated by Arrowwood Environmental, LLC. Five years have passed since the wetland delineations and as such the delineations will have to be reconfirmed and adjusted to reflect any changes, as well as address any new sections of water main not originally proposed back when the delineations were done (i.e., Middle Road).

Previously the design strategy was to bore under wetlands and streams wherever possible to limit impact. It is anticipated this design strategy will continue with the expansion.

#### 7.4 Air Quality

Due to the nature of this project, no significant impacts to air quality will occur as a result of its implementation.

There is a potential for nuisance noise, dust, and exhaust during the construction period. This will be limited as much as possible and coordinated with residents when it is determined that construction activities will negatively impact them.

Vehicle exhaust from construction vehicles used during the course of this project will meet State standards for vehicular exhaust.

# 7.5 Water Quality and Quantity

#### Surface Water

If State required erosion and sedimentation control procedures are followed by the contractors during construction, there should not be significant contamination of local surface water sources. Any

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surface water contamination which may occur should be limited in nature and covered by the scope of the construction permit and any necessary limited discharge permits secured during construction. Erosion and sedimentation control techniques and locations have been prepared in accordance with the "Vermont Handbook for Soil Erosion and Sediment Control on Construction Sites" and will be identified on the project plans and specifications.

#### • Groundwater

Given the limited scope of excavation associated with the project and the fact that water will be supplied from a previously constructed intake and treatment system, there should be no effect on groundwater quantity or quality as a result of the proposed project. Care will be taken when excavating near existing shallow wells or springs to limit disturbance.

# • Drinking Water Supply

The proposed public water supply system will have significant and positive direct impacts on the drinking water quality and quantity for persons living within the service area. As previously discussed, individuals living in the service area will not have to rely on either improperly filtered and disinfected drinking water or water containing relatively high concentrations of hydrogen sulfide or methane. As a result of this project, individuals will have the opportunity to access a public water system that will be operated to remain in full compliance with all applicable Federal and State Safe Drinking Water Act Standards.

#### 7.6 Floodplains

The Flood Insurance Rate Maps provided a basis for interpolating the floodway and floodplain boundaries for comparison to the location of proposed facilities. Reduced versions of the Flood Insurance Rate Maps for the project area are provided in **Appendix H**.

Almost all locations where new water mains will be constructed are in Federal Emergency Management Zone C, which is a minimal flood hazard. As the work involves construction of new underground utilities and disturbed areas will be restored to existing conditions in areas adjacent to existing floodplains, the project will not impact local floodplain boundaries.

#### 7.7 Prime Agricultural Lands

No significant impacts to prime agricultural lands will occur as a result of this project. Soils maps have been included for all work occurring outside of or not adjacent to established roadways. Although some of the soils where the water line will be installed are classified as farmland, the affected area will be limited to a trench for water line installation and will not prohibit the area from being used for future agricultural purposes. Additionally it is anticipated that 95% of the waterline will be installed within or directly adjacent to the road prism which makes the soil unusable for agricultural purposes.

#### 7.8 Wild and Scenic Rivers

No wild and scenic rivers are registered in Grand Isle County and therefore none will be impacted with this project.

#### 7.9 Wilderness Areas

No wilderness areas will be impacted with this project as there are no areas registered in Grand Isle County.

# 7.10 Wildlife Habitats and Endangered Species

It is believed that endangered species exist within the project area. This will be further clarified during final design and permitting. As in past project, contract documents will be modified based on comments received for applicable State and Federal Agencies.

#### 7.11 Hazardous Waste Sites

Reviewing the information available, there does not appear to be hazardous sites or hazardous waste generators along the proposed water main alignments. The closest waste generator is Alburgh Golf Links (230 Route 129) EPAID: VTR000514307 approximately 1,500 feet away from the edge of Route 129 and the proposed alignment. In the case that any contaminated soils are identified during the projects construction, water main material and gaskets will be selected with respect to the contaminants present to prevent material degradation or seepage of contaminants into the water main.

# 7.12 Archaeology

An archeology assessment was performed by Hartgen Archeological Associates, Inc. The archeology assessment does not have an expiration date and D&K plans to re-use this data for the new project. Any new proposed areas not previously reviewed or alignment changes will require additional archeological assessment.

Enronmental Resource maps as prepared by the Vermont Agency of Natural Resources (ANR) are available in **Appendix I** for reference.

# **7.13** Mitigation Efforts

The project is not expected to have significant permanent adverse impacts on the environment. A summary of mitigation measures as discussed above is provided below.

Summary of Efforts to Mitigate Environmental Impacts of the				
Proposed Water System Improvement Project				
Resource or Issue	Mitigation Effort			
Air Quality	Construction equipment will be equipped with air pollution control devices as required by Federal, State, and local regulations. Contract documents will require the selected construction contractors to wet down dry materials during construction and to seed and mulch disturbed areas promptly following construction.			
Surface Water	Water is being supplied by an existing surface water treatment source. The water source for this treatment plant is Lake Champlain, and the projected increased intake should have no effect on this source.			
Groundwater	Groundwater will not be affected and may be improved since the number of people using groundwater as their source of potable water will be reduced.			
Drinking Water Supply	The drinking water supply will be improved for the affected area as people will have a source of potable water which meets Federal and State drinking water standards.			
Floodplains	Floodplains will not be affected due to the nature of construction.			
Wetlands	Wetlands will be protected through construction methods and use of erosion and sedimentation control methods as detailed in project plans and specifications. Where possible wetland impacts will be avoided through the use of horizontal directional boring construction techniques.			
Prime Agricultural Lands	Any work being conducted on prime agricultural land will not prevent the land from being used for agricultural purposes in the future. Most work will be conducted in the existing roadway prism			
Wildlife Habitats	It is anticipated that project plans will be modified to address comments from the Department of Fish and Wildlife during design.			
Stream Modification	All stream crossings are projected to be completed by horizontal directional bore and should not affect the streams.			
Socio-Economic Impacts	The project will provide positive socio-economic impacts to the affected area by providing a safe and reliable supply of potable water.			
Historical/ Archeological Sites and National Landmarks	Historical and archeological sites have been reviewed and will be identified on project plans by Hartgen Archeological Associates, Inc. Water line alignment and installation methods will be modified when possible to reduce impact in these areas.			
Threatened and Endangered Species	It is anticipated that project plans will be modified to address comments from the Department of Fish and Wildlife during design.			
Coastal Zone Management	There are no Coastal Zones in Vermont.			

6 Green Tree Drive, South Burlington, Vermont 05403 (802) 878-7661 (866) 783-7101 (FAX) http://www.dubois-king.com

Summary of Efforts to Mitigate Environmental Impacts of the			
	Proposed Water System Improvement Project		
Resource or Issue	Mitigation Effort		
Wild and Scenic	There are no wild and scenic rivers listed in the projected work area.		
Rivers			
Hazardous Waste	Select water main materials and gaskets appropriate for installation in		
Sites	contaminated soils.		

# 8.0 PERMIT REQUIREMENTS

#### 8.1 Act 250

Project conceptual design plans will be sent to the Act 250 District Coordinator and a jurisdictional determination will be requested. Discussions with the District Coordinator during Phase I made it clear that Act 250 will be necessary for this expansion project.

#### 8.2 Wastewater System and Potable Water Supply Permit

The project plans will be submitted to the Regional Office of the Agency of Natural Resources for review by a Permitting Specialist. It is anticipated that the ANR will not require an individual permit for each residence/business for the replacement of a portion of their water services (i.e., one "master" permit may be determined to be appropriate). If any residences or businesses will require a permit, they will need to receive water allocation approval from the Fire District, provide signature, and pay an application fee to the State of Vermont. The Drinking Water and Ground Water Protection Division will then review the permit application for compliance with rules and regulations.

# **8.3** Public Water System Construction Permit

A construction permit will be required for the proposed water system improvements. Prior to submission of the permit application, D&K will provide an opportunity for the Division to review and comment on the preliminary and draft final engineering plans.

#### 8.4 Highway Work Permit

VTrans was contacted regarding the proposed project during the early stages, and VTrans determined that a highway work permit will be required as some of the work will take place along Route 2

#### **8.5** Vermont Stormwater Construction General Permit

A Stormwater Construction General Permit will be required for this project. A risk evaluation of the project will be required to confirm this assumption during design. If the project falls completely under low or moderate risk, then only the Construction General Permit will be required.

#### 9.0 CONCLUSIONS

Based on a review of the above information, the following conclusions have been made:

- 1. The existing storage tank and clearwell storage in the Alburgh Village water system appear to be adequate to serve the maximum daily demand requirements of the proposed new users in SAFD2, while providing for the existing users in Alburgh Village and maintaining a reserve for future expansion.
- 2. A new Low Lift Pump, Filter, and High Lift Pump will need to be installed to increase the capacity of the Alburgh Village Water Treatment Plant. Once this work has been completed the system will be adequate to serve the maximum daily demand requirements of the proposed new users in SAFD2, while providing for the existing users in Alburgh Village and future expansion.
- 3. The SAFD2 system is being sized to allow for the future addition of fire hydrants and 8-inch water mains; however, to reduce costs, fire hydrants will not be installed at this time. In order to provide future fire flow in SAFD2, storage and pressure boosting facilities will need to be added.
- 4. Option 1 appears to be the only viable option at this time. Option 2 cannot be pursued by the Fire District unless the decision is made to hold another bond vote.

# **Appendix A – Interlocal Agreement**

# INTER-LOCAL AGREEMENT VILLAGE OF ALBURGH WATER SALES AGREEMENT WITH SOUTH ALBURGH FIRE DISTRICT NO. 2

This AGREEMENT (the "Agreement" or the "Water Sales Agreement") is made and entered into as of November 2, 2009 by and between the Village of Alburgh, Vermont (the "Village") and the South Alburgh Fire District No. 2 (the "Fire District"), collectively "the "Parties". This is an agreement in principle that the Village and the Fire District will cooperate in the upgrade and expansion of the Water Treatment Plant ("WTP) owned by the Village, to serve the Village and the Fire District. The Parties acknowledge that the Village needs voter approval for bonding and to enter into a viable contract to upgrade the water treatment plant before it can commit to providing water to the Fire District. Consequently this agreement will not go into full force and effect until the Village signs a construction contract for the WTP upgrades, and the Fire District has received voter approval for project funding.

WHEREAS, the Fire District seeks to purchase from the Village, and the Village agrees to sell to the Fire District, water as set forth in this Agreement.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound, the parties agree as follows:

The Village hereby agrees to sell, and the Fire District hereby agrees to purchase from the Village, water, under the terms and conditions of this Agreement. A map depicting the Village, the water treatment plant and the Fire District's proposed distribution lines is attached as hereto.

#### 1. Cooperation in Development of Connecting Water Systems

The parties agree that they will cooperate in the efficient development, construction and operation of an upgraded village water treatment plant and a water transmission line with meter(s), backflow prevention and other appurtances necessary for the connection of the Fire District's public water system to the Village's public water system. The parties further agree that they will cooperate to develop, construct, operate and finance those public water system treatment, pumping, storage and water main improvements in which the parties have a common interest.

# 2. Ownership of the Treatment Plant and Distribution Lines

The Village will own the Water Treatment Plant. The Fire District will own the distribution line, meter and other appurtenances related to the connection between the Village system and the Fire District system beginning at the connection valve to the Village system. The Village will be responsible for providing water at a flow rate and pressure that meets the specifications of the Water Supply Division of the Vermont Agency of Natural Resources. The Fire District will be responsible for providing adequate pressures for its distribution system, which may require additional water storage and booster pumping stations.

Pages 1 of 8 11/2/2009

# 3. Responsibility for Permitting and Construction Costs

The Village will be responsible for designing, permitting, constructing, inspecting and maintaining the upgraded water treatment plant. The Fire District will be responsible for the incremental costs associated with increasing the capacity of the Village's treatment plant so the plant has the capacity to provide water to the Fire District.

The Fire District, at its expense, shall be responsible for designing, permitting, constructing, inspecting and maintaining the water distribution system within the Fire District and a connection between the Village system and Fire District system.

The incremental cost of improvements to provide water to the Fire District has been estimated to be approximately 20% of the estimated construction costs for the upgraded and expanded WTP. Until actual construction costs are known, all expenses for planning, design and other preconstruction services will be allocated between the Village and the Fire District using this percentage rate. The actual incremental construction cost that will be paid by the Fire District will be based on the actual bid pricing for those items affected by the increase in WTP capacity, and a corrected adjustment of planning, design and other preconstruction services will be made to reflect the actual percentage of incremental costs determined from bid pricing.

If the Village incurs any expenses in the design, permitting, inspection or maintenance of the connection between the Village system and the Fire District system, the Fire District shall, within 90 days, reimburse the Village for such expenses, provided the Fire District is notified in writing in advance of the expense being incurred, and the Fire District agrees to assume responsibility for the expenditure.

The Fire District shall hold the Village harmless from any costs that the Fire District incurs in making the connection between the Village and Fire District water systems.

#### 4. Sale of Water to the Fire District and District Water Usage

The Village agrees to sell up to a maximum of 250,000 gallons of water daily to the Fire District for a period of 30 years. In the event the Fire District exceeds the daily maximum volume, a surcharge of not more than 20% per 1,000 gallon unit over the daily maximum amount may be added to the Fire District's water bill.

The Village agrees to discuss any future expansion of the Village water system beyond the current Village limits with the Fire District, and to take any concerns expressed by the Fire District into consideration before deciding to expand.

The Fire District will receive written permission from the Village before conducting activities that use large amounts of water, such as flushing or line filling.

#### 5. Water Quality

The parties understand that it is the policy of the Vermont Water Supply Division to hold the municipality that owns and operates a water treatment plant responsible for supplying water to all users—including those in the Fire District—with water that meets the Vermont Drinking Water Quality Standards.

The parties share an interest in providing the highest quality water to its users, and in minimizing levels of Disinfection By-Products (DBP's). If the Village agrees to proceed with water treatment processes which increase the level of treatment beyond what currently exists, the Village and Fire District agree to act in good faith to determine an equitable means to share the cost of the higher level of treatment. If the Village agrees to proceed with water treatment processes equal to the level of treatment which currently exists, and if as a result of system testing, it is determined the Fire District has caused the Alburgh Village WTP to exceed Drinking Water Quality Standards regarding Disinfection By-Products, the Fire District will assume the costs of the installation of additional technology to bring the WTP into compliance, so that it can continue to serve the Fire District.

# 6. Water Quality Sampling

The Village will share the results of all water quality testing conducted at the WTP within one week of receipt of test results. If testing indicates that the WTP is out of compliance with any federal or state drinking water standards, the Village will notify the District in writing within 24 hours.

#### 7. Billing Process

At the end of each month, the Village will read the meter and bill the Fire District. The Fire District agrees to pay the full amount plus any surcharges for exceeding maximum daily volumes within sixty days of receipt of each invoice. If Fire District does not pay such invoices when due, the Fire District shall pay a penalty one half (1/2) percent per month, (interest at 6% compounded annually), and any reasonable costs incurred by the Village for collection of the delinquent account.

#### 8. Cost Allocation

#### Allocation of Capital Costs and Debt Service

The Village and the Fire District will each be responsible for their own debt service. For example, the Fire District will be responsible for the debt associated with the construction of water distribution lines, and the Village users will continue to be responsible for the debt associated with their distribution systems.

#### Allocation of Administrative and Operations and Maintenance (O&M) Costs

Each party shall be responsible for providing general management, administrative, fiscal, testing, reporting, maintenance and operating services incident to the operation and management of its respective public water supply system.

Costs associated with operation and maintenance of the water system components of mutual benefit to both parties will be spread evenly across all users based on the amount of water used. The O&M costs of water lines and other improvements that serve only the Fire District will be paid by Fire District users, similarly, the O&M costs of water lines and other improvements that serve only the Village will be paid by Village users.

By December 15, 2009, the parties will review the current operating costs of the WTP, and will note which line items will be considered shared costs, and which will be attributable to one party or the other. A summary of the parties' agreement regarding O&M cost allocation will be attached as an amendment to this Interlocal Agreement.

By May 1<sup>st</sup> of each year, the Village will prepare an expense statement of operation and maintenance expenses for review to determine which of the Village's O&M costs are to be shared, and which are attributable only to the Village or the Fire District. Allocation of O&M costs will be negotiated each year at the annual meeting by a majority vote of both the Village Trustees and the Fire District's Prudential Committee. If the parties cannot reach a negotiated agreement, the Village's allocation of costs will be used on an interim basis, and the Parties agree to enter into mediation in good faith, before resorting to litigation.

The initial water usage rate per 1,000 gallon unit for the Fire District will be set by joint agreement of the Village Trustees and the Fire District Prudential Committee based on the previous 12 months of the Village water system's O&M costs, and a estimate of water usage in the Fire District based on the number of Equivalent Residential Units (ERUs) that are committed to and able to connect to the system initially, at a book value demand rate of 360 gallons per day per ERU<sup>1</sup>.

After the first full year of operation, the O&M costs will be prorated based on the ratio of actual volume of water delivered to the SAFD2 system compared to the total water produced at the WTP, as calculated from the metered data at each location.

The rate that the Village charges the Fire District for operations, maintenance and administration costs will be adjusted annually. The Village will provide information regarding the actual costs of operating, maintaining and operating the water system as well as projected expenses for the coming year to the Prudential Committee of the Fire District at least 30 days prior to the annual meeting.

#### 9. Annual Meeting

The Village Trustees and the Fire District Prudential Committee will convene a duly-warned public annual meeting each May to set the rates for the following year and to address any other issues that need to be resolved to ensure the smooth functioning of the water system and to ensure that users receive high quality water, good service and are charged fair rates. The Village Trustees and the Fire District Prudential Committee will try to reach consensus regarding rates. If consensus is not possible, the previous year rates plus a 6% increase for inflation will be used until agreement can be reached through mediation or arbitration. Parties agree to work to resolve any such disputes as quickly as possible, and agree that they will not pursue litigation unless good faith attempts to mediate and/or arbitrate the dispute have proven unsuccessful.

#### 10. Inspection, Maintenance, or Replacement of the Meter

The Fire District will provide an easement to the Village for access to inspect the Fire District's meter at any time and may inspect meter readings at mutually convenient times. The Fire District, at its cost and expense, will maintain and replace, as needed, the meter and other such appurtenances as necessary for tracking water usage.

If, for any reason, the meter used for measuring Fire District usage fails, the Fire District shall be charged, and agrees to pay the Village, a charge based on the average monthly consumption for the last 12 months.

Page 4 of 8

The figure of 360 gpd/ERU is used here only for purposes of establishing the initial water usage charges for the District. System capacity design will be based on a higher maximum daily flow estimates.

# 11. Compliance with State and Federal Regulations Regarding Public Water Systems

The Village and the Fire District agree that regardless of ownership, each water system is a separate and distinct public water system. No party shall interfere with any such component, nor modify, expand, operate or use any such components in such a manner as to create the potential for system degradation or risk to public health. The Village and the Fire District agree to operate their respective systems in a proactive manner to fully comply with all federal, state and local drinking water regulations, product utility standards, and use current material and construction specifications.

#### 12. Term

The term of this Agreement shall be 30 years from the date hereof, unless terminated for the following reasons:

- a. In the event the Fire District or the Village is out of compliance with State or Federal regulations for public water systems for a consecutive period of 12 months or more, and the other party chooses to terminate the agreement. This agreement will not be terminated until the Village or the Fire District notifies the other party in writing of its decision to terminate the agreement due to non-compliance; or
- b. The Village or the Fire District may terminate this Agreement if the Fire District or the Village breaches or is in default of any obligation under this Agreement, and such breach or default continues for 30 days from any notice of default issued by the Village or the Fire District; and/or
- c. Either party may terminate this Agreement by giving written notice to the other party if the other party becomes insolvent, makes an assignment for the benefit of creditors, or a bankruptcy petition is filed by or against it (and not stayed within 90 days).

#### 13. No Obligation to Incur Indebtedness

Nothing in this Agreement shall obligate the Village to incur any indebtedness or issue bonds or notes to finance any improvements to the Village system.

Both parties acknowledge that they need to receive bond authorization from the voting public to finance improvements. The Village will need voter authorization to incur debt to finance upgrades to the WTP. The Fire District has an authorization from voters in its District to construct Phase 1 water lines and to finance the additional capacity needed at the WTP to serve the District; additional bond authorization will be needed to finance Phases 2 and 3 (as shown in Figure 1).

Design documents will be prepared so that if Fire District elects not to proceed with improvements at the time the Village begins construction, the Village will be able to construct improvements necessary to provide water to the Village users only, and this Agreement shall be terminated. The Fire District will be responsible for the incremental costs incurred before the date of written termination of this agreement.

#### 14. Indemnification

The Fire District shall indemnify and hold the Village harmless from any and all loss, damages, suit, penalties, costs, liabilities and expenses arising out of any claim for loss of or damage to property, and injuries to or death of persons, to the extent caused by or resulting from: (i) the negligence or willful misconduct of the Fire District, its agents, subcontractors or employees; or (ii) any state or federal requirements or regulations regarding the Fire District's system, compliance with water quality rules relating to testing, and reporting for a consecutive water system, or any mandated improvements to maintain water quality in the Fire District's water system; or (iii) the Fire District's operation of the Fire District's water system.

The Village shall indemnify and hold the Fire District harmless from any and all loss, damages, suit, penalties, costs, liabilities, and expenses arising out of any claim for loss of or damage to property and injuries to or death of persons to the extent caused by or resulting from the negligence or willful misconduct of the Village, its agents, subcontractors, or employees.

# 15. Dispute Resolution

The parties agree to try in good faith to negotiate the resolution of any disputes that arise as a result of this agreement. If a dispute arises and cannot be settled through negotiation, the parties agree first to try in good faith to settle the dispute by mediation before resorting to arbitration, litigation, or some other dispute resolution procedure.

#### 16. Force Majeure

In the event that, because of a reason of *force majeure*, the Village is unable to provide the quality or quantity of water designated in this Agreement, the available water will be allocated between the Village and the Fire District proportional to the ratio of Equivalent Residential Unit ("ERU's") in the Village and the Fire District. As used herein, the term "*force majeure*" means any act or contingencies beyond any party's reasonable control, including, but not limited to, strikes, riots, war, fire, acts of God, injunction, changes in any laws, compliance with orders or directives of any court or governmental body or instrumentality thereof, or the revocation, suspension, denial or modification of any permit, license, or approval that is not the result of any party's inaction or breach of its obligations.

In the event of a *force majeure*, or any other circumstance that limits water availability from the WTP, Village and Fire District officials agree to cooperate to reduce water usage to only that absolutely necessary.

#### 17. General

In case any one or more of the provisions contained in this Agreement is, for any reason, held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions of this Agreement; this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein. This Agreement may be amended from time to time only by an instrument in writing signed by the parties to this Agreement. No provision of this Agreement can be waived except by a written instrument signed by both parties, nor shall failure to object to any breach of a provision of this Agreement waive the right to object to a subsequent breach of the same or any other provision. Neither party may assign this Agreement without the prior written consent of the other party.

IN WITNESS WHEREOF, the parties have executed this Agreement as of November 2, 2009.

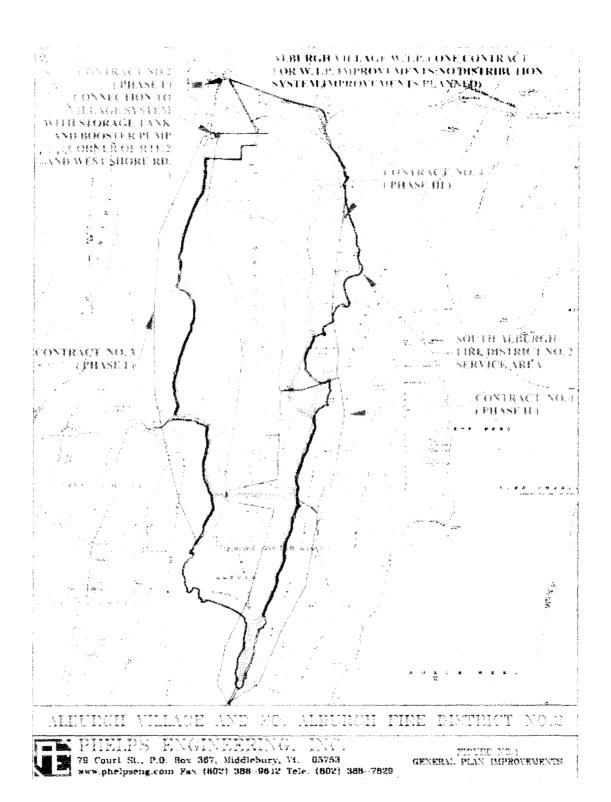
Village of Alburgh

By:

South Alburgh Fire District No. 2

By:

Chairman, Prudential Committee



# **Appendix B – Bond Vote Documents**

### MCKEE, GIULIANI & CLEVELAND

A PROFESSIONAL CORPORATION
ATTORNEYS AT LAW
P.O. BOX 1455
MONTPELIER, VERMONT 05601-1455

J. PAUL GIULIANI FREDERICK G. CLEVELAND GEORGIANA O. MIRANDA (NY AND VT) GLORIA K. RICE JOHN P. RILEY GLENN C. HOWLAND

ELIZABETH H. MAGILL

TELEPHONE: (802) 223-3479 FAX (802) 223-0247 OF COUNSEL
PETER GIULIANI (1907-1998)
W. EDSON McKEE (1923-1999)
ALDEN GUILD (RET.)

OFFICES AT:
THE BANKNORTH BUILDING
94 MAIN STREET
MONTPELIER, VT 05602

November 23, 2004

David T. W. Minot Vermont Municipal Bond Bank P.O. Box 564 Montpelier, VT 05601-0564

Re: South Alburg Fire District No. 2 Water System

Dear Mr. Minot:

We have examined the law, the warning for and action taken at the October 26, 2004 special meeting of the South Alburg Fire District No. 2 (the "District") authorizing certain public water system improvements and the issuance of up to \$6,900,000 of general obligation bonds to defray the District's share of the cost of such improvements, together with other proofs, records and certificates deemed necessary and sufficient for the purposes hereof, from all of which we are of the opinion that such proceedings are in regular and due form as prescribed by law, and that such bonds, when and if issued in conformity with the statutes applicable thereto, will be general obligations of the District, payable from unlimited ad valorem taxes on the grand list of taxable property in the District, as established by law.

The District may lawfully incur temporary indebtedness, as provided by statute, in anticipation of the sale and issuance of said bonds for the purpose of financing the works of improvement authorized by vote at said special meeting, subject to the term limitation and principal payment requirement upon renewal, as established by law.

The District is a lawfully constituted and existing political subdivision of the State of Vermont.

The general obligation bonds authorized by vote at said special meeting, when and if issued, are eligible for purchase by the United States of America. We are prepared to issue this opinion to any lender requesting the same with respect to a specific financing transaction.

David T. W. Minot November 23, 2004 Page 2

No opinion is expressed as to the effect the Internal Revenue Code of 1986 will have on the tax exempt character of any evidences of indebtedness issued or to be issued by the District as a result of the action taken at said special meeting, or otherwise issued or to be issued in connection with the financing of the improvements described in Article I of the September 23, 2004 Warning for the District's October 26, 2004 special meeting. We will condition any approving opinion delivered in connection with the sale of evidences of debt issued by the District upon the following statement:

Assuming compliance by the District with its covenants to comply with the Internal Revenue Code of 1986, the interest on these bonds is exempt from Federal and Vermont income taxes presently in force.

No inference should be drawn from the inclusion of the foregoing statement in any such approving opinion that the District is contemplating to use the proceeds of its notes or bonds in a manner which will render the interest paid or payable thereon includable in the gross income of the holder(s) thereof for federal and state income tax purposes. Our preliminary inquiry and investigation into the contemplated use of the proceeds of notes and bonds issued or to be issued by the District for the aforesaid purpose leads us to the conclusion that said notes and bonds will not be characterized as "private activity bonds" as defined in the Internal Revenue Code of 1986.

Very truly yours,

#### J. Paul Giuliani

JPG:dw [9869-2]

ce: Virginia B. McLatchy, Clerk South Alburg Fire District No. 2 P.O. Box 192 Alburg, VT 05440

> David E. Olson Banknorth, N.A. P.O. Box 820 Burlington, VT 05402-0820

### WARNING

The legal voters of South Alburg Fire District No. 2, Vermont, are hereby notified at it warned to meet at the Alburg Town Hall in the Town of Alburg, Vermont on Tresday, October 26, 2004, between the hours of ten o'clock (10:00) in the foremon (a.m.), at which time the polls will open, and seven o'clock (7:00) in the afternoon (p.m.), at which time the polls will close, to vote by Australian ballot upon the following Article of business:

# ARTICLE I

Shall general colligation bonds of South Alburg Fire District No. 2 in an amount not to exceed Six Million Nine Hundred Thousand Dollars (\$6,900,000), subject to reduction from the receipt of available state and federal grants-in-aid, be issued for the purpose of financing the cost of a public water system supply, storage, for the purpose of financing the cost of a public water system supply, storage, treatment, transmission and distribution improvements, at an estimated cost of Six Million Nine Fundred Thousand Dollars (\$6,900,000)?

The legal voters of South Alburg Fire District No. 2 are further notified that voter chalifications, registration and absentee voting relative to said special meeting shall be as a revided in Chapters 43, 51 and 55 of Title 17, and Section 2484 of Title 20, Vermont Statutes Annotated.

The legal voters of South Alburg Fire District No. 2 are further notified that an informational meeting will be held at the Alburg Town Hall in Alburg, Vermont on Monday, October 25, 2004, commencing at seven o'clock (7:00) in the evening (p.m.) for the purpose of explaining the subject proposed water system improvements and the inancing thereof.

Received for second and recorded in the records of the South Alburg Fire District

No. 2 on September 23, 2004.

ATTEST:

Clerk, South Alburg Fire District No. 2

Prudential Committee

# OFFICIAL BALLOT

# SOUTH ALBURG FIRE DISTRICT No. 2

# SPECIAL MEETING OCTOBER 26, 2004

# ARTICLE I

Shall general obligation bonds of South Alburg Fire District No. 2 in an amount not to exceed Six Million Nine Hundred Thousand Dollars (\$6,900,000), subject to reduction from the receipt of available state and federal grants-in-aid, be issued for the purpose of financing the cost of a public water system supply, storage, treatment, transmission and distribution improvements, at an estimated cost of Six Million Nine Hundred Thousand Dollars (\$6,900,000)?

If in favor of the bond issue, make a cross (x) in this square:

If opposed to the bond issue, make a cross (x) in this square:

# CERTIFICATE OF POSTING

# PUBLICATION AND VOTE

The undersigned, being the Clerk of the South Alburg Fire District No. 2, does certify ht:

- The attached Resolution (Exhibit I) was duly adopted at a duly warned meeting of the Prudential Committee of the South Alburg Fire District No. 2 held on September 15, 2004.
- 2. The attached Warring (Exhibit II) was published in the Islander, a newspaper published in South Hero, Vermont, and generally circulating in the County of Grand Isle and in the Town of Alburg and South Alburg Fire District No. 2, and said Warning appeared in said newspaper on October 5, October 12 and October 19, 2004.
- The attached Resolution (Exhibit I) and Warning (Exhibit II) were received for record and recorded on September 16, 2004 and September 23, 2004 respectively, in the records of the South Alburg Fire District No. 2.
- ... The attached Warning (Exhibit II) and Ballot (Exhibit III) were posted in the following public places in the South Alburg Fire District No. 2 from September 24, 2004 through October 26, 2004, the date of the special District meeting:
  - (a) The Clerk's office, Alburg Town Hall, Alburg, Vermont
  - (b) Crossroad's Mobil Station, Rt. 2 and Rt. 78, Alburg, Vermont
  - (c) The Goose Point Store, Rt. 2, Alburg, Vermont
  - (1) The Albu:g Golf Links, Rt. 129, Alburg, Vermont
  - (e) The Alburg Transfer Station, Rt. 78, Alburg, Vermont
- 5. The vote by Australian ballot (Exhibit III) on the proposition stated herein was:

# ARTICLE I

n favor	100
OPPOSED	17
BLANK	0
SPOILED	
TOTAL VOTES	_117

6. No petition has been filed seeking reconsideration or rescission of the action taken at said regular meeting nor is there any litigation pending or threatened in any state or federal court contesting or challenging either the proceedings set forth in Paragraphs (1) through (5) of this Certificate, the works of improvement so authorized or, the issuance of bonds of the District to finance the same.

DATED: October 26, 2004

7230247

99:ST 9002/60/20

# CERTIFICATE OF POSTING

### PUBLICATION AND VOTE

The undersigned, being the Clerk of the South Alburg Fire District No. 2, does certify that:

- 1. The attached Resolution (Exhibit I) was duly adopted at a duly warned meeting of the Prudential Committee of the South Alburg Fire District No. 2 held on September 15, 2004.
- 2. The attached Warning (Exhibit II) was published in the Islander, a newspaper published in South Hero, Vermont, and generally circulating in the County of Grand Isle and in the Town of Alburg and South Alburg Fire District No. 2, and said Warning appeared in said newspaper on October 5, October 12 and October 19, 2004.
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  - (d) The Alburg Golf Links, Rt. 129, Alburg, Vermont
  - (e) The Alburg Transfer Station, Rt. 78, Alburg, Vermont
- 5. The vote by Australian ballot (Exhibit III) on the proposition stated herein was:

# ARTICLE I

IN FAVOR	100
OPPOSED	17
BLANK	
SPOILED	0
TOTAL VOTES	

6. No petition has been filed seeking reconsideration or rescission of the action taken at said regular meeting nor is there any litigation pending or threatened in any state or federal court contesting or challenging either the proceedings set forth in Paragraphs (1) through (5) of this Certificate, the works of improvement so authorized or, the issuance of bonds of the District to finance the same.

DATED: October 26, 2004

Taul Hanse

Clerk, South Alburg Fire District No. 2

### WARNING

The legal voters of South Alburg Fire District No. 2, Vermont, are hereby notified and warned to meet at the Alburg Town Hall in the Town of Alburg, Vermont on Tuesday, October 26, 2004, between the hours of ten o'clock (10:00) in the forenoon (a.m.), at which time the polls will open, and seven o'clock (7:00) in the afternoon (p.m.), at which time the polls will close, to vote by Australian ballot upon the following Article of business:

### <u>ARTICLE I</u>

Shall general obligation bonds of South Alburg Fire District No. 2 in an amount not to exceed Six Million Nine Hundred Thousand Dollars (\$6,900,000), subject to reduction from the receipt of available state and federal grants-in-aid, be issued for the purpose of financing the cost of a public water system supply, storage, treatment, transmission and distribution improvements, at an estimated cost of Six Million Nine Hundred Thousand Dollars (\$6,900,000)?

The legal voters of South Alburg Fire District No. 2 are further notified that voter qualifications, registration and absentee voting relative to said special meeting shall be as provided in Chapters 43, 51 and 55 of Title 17, and Section 2484 of Title 20, Vermont Statutes Annotated.

The legal voters of South Alburg Fire District No. 2 are further notified that an informational meeting will be held at the Alburg Town Hall in Alburg, Vermont on Monday, October 25, 2004, commencing at seven o'clock (7:00) in the evening (p.m.) for the purpose of explaining the subject proposed water system improvements and the financing thereof.

Received for record and recorded in the records of the South Alburg Fire District

No. 2 on September 23, 2004.

ATTEST:

Clerk, South Alburg Fire District No. 2

Prudential Committee

# **Appendix C – Option 1 Map and Interest Survey Results**



Row		Parcel			DI "	- "			D 1 0	1.6 N 1.1/0
# 1	Parcel CB001	Sub	Name 1 BALLARD RICHARD	Name 2 BALLARD ROBIN	Phone # 802-796-3138	Email RBALLARDVT@YAHOO.COM	Interested?	Meeting?	Participate?	Info Needed/Comments
3	CB003 CB004		WALKER RICHARD WALKER RICHARD	CORROW LORAINE CORROW LORAINE						
5	CB005 CB008		KERWICK EDMOND CAMERON RICHARD	CAMERON JANET	802-345-0321 802-796-3809	NKERWICK@GMAIL.COM	Y N	Y N	N N	Price.
6 7 8	CB009 CB015 CB021		PRAIRIE LOUISE AUSTIN JAMES BOUTIN CONSTANCE	PRARIE RENE AUSTIN CAROLYN						
9	CB024		BENNETT ELAINE P							
11	CB025 CB029		WEBER CHARLES TOWN LAKEFRONT AT CENTER BAY	WEBER REBECCA	703-242-2590	chas.web@verizon.net	Y	N	N	Municipal water would be good.  Cost benefit for seasonal
12	CB033 CB035		BARROWS GREGORY INGELS CHRISTINA	BARROWS CATHLEEN		g.barrows@outlook.com	I	Y	N	property.
14 15	CB038 CC004		ALBURGH CENTER BAY BEACH AREA STOCKWELL REVOCABLE LIVING TRUST							
16 17	CC011 CC022		LANOUE ROGER MICHAEL BOISJOLI		802-343-1247	vtmichael6@gmail.com	Υ	Υ	Υ	
18 19	CC038 CC050		LONGE RONALD STATE OF VT. FISH & WILDLIFE	LONGE CAROLINE						
20										978-808-8235 hardingfrancis@yahoo.com
	CE004		LANTRY JUNE & DAVID	HARDING FRANCIS	978-729-1651	lantrys@verizon.net	Υ	Υ	Υ	Cost, time frame. Fran Harding would be willing to participate.
21 22 23	CE047 CE049 CE051		BALUCH RONALD SIMPSON HAROLD JR LIBBY LINDA	BALUCH JENNIE - LIFE ESTATE	802-796-3500	LINDALIBBYVT@YAHOO.COM	N Y N	N	N	Well dug.
24 25	CE053 CE054		APPLEGARTH LLC APPLEGARTH LLC		802-770-3300	EINDALIBBITT & TATIOO.COM	IN			wen dug.
26 27	CE055 CE057		BENOIT PHILIP Kogon Alexander A	BENOIT SHEILA PELESKAYA ELENA						
28 29	CE058 CE059		KOGON ALEXANDER KNIGHT GORDON	KNIGHT LORETTA	802-372-1222 802-796-3286	alex_kogon@hotmail.com gordon@uv3.com	Y N	Y N	N N	
30 31	CE063 CE065		DENIS NICOLE ROCHEFORT ROBERT	ROCHFORT SHEILA	802-796-4411	sbrochef@gmail.com	N	N	N	
33	CE067 CE069		HILDEBRAND RICHARD  MELCHIONNE JOHN	MELCHIONNE ANN-MARIE	802-878-5621	RICHKAY58@MSN.COM	I	Y	N	Cost. Winterization.
34 35 36	CE071 CE073 CE077		GOMO DANIEL B MANN JEANNETTE MORGAN HOWARD W JR	GOMO SHIRLEY  MORGAN ALYCE R	802-734-2005	JMANN@COMCAST.NET	Υ	Υ	N	Cost
36 37 38	CE077 CE079 CE081		MORGAN HOWARD W JR MORGAN HOWARD W JR APGAR ZANE	MORGAN ALYCE R MORGAN ALYCE R APGAR LOIS						
39 40	CE083 CE085		NICHOLS BEVERLY A FAY JAMES	LANGE JANICE L FAY LAURIE	802-878-5256	JANICE.LANGE@UVM.EDU	Υ	Υ	N	
41 42	CE087 CE089		MENEMENLIS DIMITRIS HOGAN CORNELIUS D III	HOGAN REBECCA J	802-479-5995	NHOGAN@HOGANLLC.COM	Υ	N	N	Noods into Cost Time Bill
43	CE091 CE093		WYMAN JAMES PARKER GARY D	PARKER SYLVIA B	802-734-9248	JWYMAN@GMAIL.COM	Υ	Υ	N	Needs info. Cost, Time, Right of Way
45 46	CE097 CE099		PISZAR RONALD CLOUGH MICHAEL	PISZAR JANET						
47 48	CE101		DE TOURREIL ANNE SUNITA FAMILY TRUST	WOLFF GREGORY FAMILY TRUST		W				Too much expense for summer
49	CE103 CE105		OLIVO JOSEPH C/O VINCENT OLIVO HARTL KONRAD	HARTL JUDITH	908-735-4636 215-925-1992	Vincent_Olivo_343@comcast.net KPHARTL@AOL.COM	N Y	N N	N N	home.
50 51	CG002 CG006		DOUGLAS ALAN B & ANA B GOODSELL RUSSELL SOUTIERE CLEMENT	DOUGLAS KYLE A	802-796-3024 802-796-3037	abdcpa@gmail.com	Y N	Y N	Y N	908-581-7956
52 53 54	CG008 CG012 CG014		BRESCIA PETER NEBBETT RICHARD	SOUITERE JUDITH BRESCIA MARGARET SHOPE DEBORAH	802-885-6896	rnebbett@yahoo.com	Y	Y	Y	
55	CM020		CAMERON LARRY	CAMERON SUSAN	002 000 0070	THOUSER OF YARRONGOM	N	N	N	Has good well. Ungodly cost of project is too
56	CM029	Α	CAMERON DARWIN G	CAMERON KAREN S			N	N	N	high for average person. Then all expected to pay.
57	CM029 CM031		Martin Jason a Polk Edward	MARTIN PAMELA J POLK DONNA			Y	Y	N	Cost.
58			MURPHY EDWARD	JONES MAUREEN						
58 59 60 61	CO001 CO003 CO005		MURPHY EDWARD MORRISSETTE JOHN BOLTON MICHELE	JONES MAUREEN MORRISSETTE LEANN						
58 59 60 61 62 63	CO001 CO003 CO005 CO007 CO009		MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN	MORRISSETTE LEANN  LAMPMAN BEVERLY	802-796-3568 802-685-4575	BMOORE1937@HOTMAIL.COM	N N	N N	N N	
58 59 60 61 62 63 64 65	CO001 CO003 CO005 CO007 CO009 CO011 CP002		MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN	MORRISSETTE LEANN	802-685-4575	BMOORE1937@HOTMAIL.COM  NYCTALE76@HOTMAIL.COM	N			
58 59 60 61 62 63 64	CO001 CO003 CO005 CO007 CO009 CO011		MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN	MORRISSETTE LEANN  LAMPMAN BEVERLY	802-685-4575		N N	N	N	
58 59 60 61 62 63 64 65 66 67 68 69 70	CO001 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP013 CP015		MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49 COON POINT PROPERTIES, LLC CHADWICK DONNA 49 COON POINT PROPERTIES, LLC	MORRISSETTE LEANN  LAMPMAN BEVERLY	802-685-4575		N N	N	N	
58 59 60 61 62 63 64 65 66 67 68 69 70 71 72	CO001 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP013 CP015 CP017 CP019		MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49 COON POINT PROPERTIES, LLC CHADWICK DONNA 49 COON POINT PROPERTIES, LLC	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE	802-685-4575		N N	N	N	
58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74	C0001 C0003 C0005 C0007 C0009 C0011 CP002 CP007 CP009 CP011 CP013 CP015 CP017 CP019 CP025 CP025 CP046		MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49 COON POINT PROPERTIES, LLC CHADWICK DONNA 49 COON POINT PROPERTIES, LLC CHADWICK DONNA 49 COON POINT PROPERTIES, LLC	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE	802-685-4575		N N	N	N	
58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	CO001 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP017 CP017 CP017 CP021 CP025 CP046 CP046 CP048	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49 COON POINT PROPERTIES, LLC CHADWICK DONNA 49 COON POINT PROPERTIES, LLC	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA	802-685-4575		N N	N	N	
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 79	C0001 C0003 C0005 C0007 C0009 C0011 CP002 CP007 CP009 CP011 CP013 CP015 CP017 CP019 CP021 CP021 CP046 CP047 CP048 CP048 CP048 CP049 CP050	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  %PATTY BRITCH	802-685-4575		N N	N	N	
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 88 99 99 99 80 81 82	C0001 C0003 C0005 C0007 C0009 C0011 CP002 CP007 CP009 CP011 CP015 CP017 CP019 CP025 CP046 CP047 CP049 CP050 CP050 CP050 CP050 CP051 CP053 CP111	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49 COON POINT PROPERTIES, LLC CHADWICK DONNA 49 COON POINT PROPERTIES, LLC RUSSO JOSEPH J JR RUSSO JOSEPH J JR RUSSO JOSEPH J JR RUSSO JOSEPH J JR STATE OF VERMONT	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA	802-685-4575		N N	N	N	
58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84	CO001 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP017 CP019 CP021 CP025 CP046 CP048 CP049 CP053 CP111 CP053 CP111 CP151	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49 COON POINT PROPERTIES, LLC CHADWICK DONNA 49 COON POINT PROPERTIES, LLC RUSSO JOSEPH J JR RUSSO JOSEPH J JR STATE OF VERMONT	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  %PATTY BRITCH  TOWLE ELROY W JR  TOWLE ELROY W JR	802-685-4575		N N	N	N	
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 77 78 80 81 82 83	C0001 C0003 C0005 C0007 C0009 C0011 CP002 CP007 CP009 CP011 CP013 CP015 CP017 CP019 CP021 CP021 CP025 CP046 CP047 CP048 CP049 CP050 CP051 CP050 CP051	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49 COON POINT PROPERTIES, LLC CHADWICK DONNA 49 COON POINT PROPERTIES, LLC RUSSO JOSEPH JJR RUSSO JOSEPH JJR STATE OF VERMONT STATE OF VERMONT	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  %PATTY BRITCH  TOWLE ELROY W JR	802-685-4575		N N	N	N	No need for this project.
58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 78 80 81 82 83 84 85 86 87	CO001 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP017 CP015 CP017 CP025 CP046 CP048 CP048 CP049 CP050 CP051 CP053 CP111 CP151 CP173 CU001 CU003 CU003	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 54 COON POINT PROPERTIES, LLC 55 COON POINT PROPERTIES, LLC 56 CON POINT PROPERTIES, LLC 57 COON POINT PROPERTIES, LLC 58 COON POINT PROPERTIES, LLC 58 COON POINT PROPERTIES, LLC 58 COON POINT PROPERTIES, LLC 59 COON POINT PROPERTIES, LLC 59 COON POINT PROPERTIES, LLC 50 CON POINT PROPERTIES, LLC 51 CON POINT PROPERTIES, L	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  %PATTY BRITCH  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH  HEINLEIN KELLY B  BAILEY SUSAN  HOKENBERG JAN	802-685-4575 450-550-1835 450-550-1835 802-868-3501	NYCTALE76@HOTMAIL.COM  kellyheinlein@yahoo.com	N N N	N N	N N	No need for this project.
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 77 78 80 81 82 83 84 85 86 87 88 88 89 90 90	C0001 C0003 C0005 C0007 C0009 C0011 CP002 CP007 CP009 CP011 CP015 CP017 CP019 CP025 CP046 CP047 CP049 CP050 CP051 CP011 CP111 CP111 CP111 CP111 CP113 CU001 CU003 CU007 CU009 CU0011	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 59 CON POINT PROPERTIES, LLC 49 COON POINT PROPERTIES, LLC 49	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  **PATTY BRITCH  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH  HEINLEIN KELLY B  BAILEY SUSAN  HOKENBERG JAN  WATSON JOAN  WATSON JOAN  WATSON JOAN	802-885-4575 450-550-1835 450-550-1835 802-868-3501 804-244-9124	NYCTALE76@HOTMAIL.COM  kellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM	N N N N N N N N N N N N N N N N N N N	N N	N N N	No need for this project.
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 88 89 90 90 91 92 92 93	CO001 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP017 CP019 CP021 CP025 CP046 CP047 CP048 CP049 CP051 CP053 CP111 CP151 CP173 CU001 CU003 CU007 CU009 CU0017 CU009 CU0011 CU013 CU017	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 54 COON POINT PROPERTIES, LLC 55 COON POINT PROPERTIES, LLC 56 CON POINT PROPERTIES, LLC 57 COON POINT PROPERTIES, LLC 58 COON POINT PROPERTIES, LLC 59 COON POINT PROPERTIES, LLC 50 CON POINT PROPERTIES, LLC 50 CON POINT PROPERTIES, LLC 51 CON POINT PROPERTIES, LLC 52 CON POINT PROPERTIES, LLC 53 CON POINT PROPERTIES, LLC 54 CON POINT PROPERTIES, LLC 55 CON POINT PROPERTIES, LLC 56 CON POINT PROPERTIES, LLC 57 CON POINT PROPERTIES, LLC 58 CON POINT PROPERTIES, LLC 59 CON POINT PROPERTIES, LLC 50 CON POINT PROPERTIES, LLC 50 CON POINT PROPERTIES, LLC 51 CON POINT PR	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  **PATTY BRITCH  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH  HEINLEIN KELLY B  BAILEY SUSAN  HOKENBERG JAN  WATSON JOAN  WATSON JOAN  PERCY JOANN M	802-685-4575 450-550-1835 450-550-1835 802-868-3501	NYCTALE76@HOTMAIL.COM  kellyheinlein@yahoo.com	N N N	N N	N N	No need for this project.
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 80 81 82 83 84 85 86 87 88 88 89 90 91 92 93 94	C0001 C0003 C0005 C0007 C0009 C0011 CP002 CP007 CP009 CP011 CP015 CP017 CP019 CP025 CP047 CP047 CP050 CP051 CP017 CP019 CP050 CP051 CP050	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN JELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49 COON POINT PROPER	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  %PATTY BRITCH  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH HEINLEIN KELLY B  BAILEY SUSAN HOKENBERG JAN WATSON JOAN WATSON JOAN H PERCY JOANN M  REVOCABLE LIVING TRUST	802-685-4575 450-550-1835 450-550-1835 802-868-3501 804-244-9124 802-796-3930 802-527-0343	kellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM  CENTERBAYRDS@YAHOO.COM DBSHADOW@COMCAST.NET	N N N N N N N N N N N N N N N N N N N	N N N N N N N	N N N N N N	No need for this project.
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 78 80 81 82 83 84 85 86 87 99 90 91 92 93	CO001 CO003 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP017 CP015 CP017 CP018 CP021 CP025 CP046 CP047 CP050 CP051 CP053 CP111 CP151 CP173 CU001 CU003 CU007 CU009 CU011 CU017 CU019 CU021 CU017 CU019 CU021	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN TJELTA BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49 COO	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  **PATTY BRITCH  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH  HEINLEIN KELLY B  BAILEY SUSAN  HOKENBERG JAN  WATSON JOAN  WATSON JOAN  PERCY JOANN M	802-685-4575 450-550-1835 450-550-1835 802-868-3501 804-244-9124 802-796-3930 802-796-3930 802-796-4036	kellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM	N N N N N N N N N N N N N N N N N N N	N N N N N Y	N N N N N	No need for this project.  Needs info. Cost. How did Phase 1 go? Info re: his area.
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 89 90 90 91 92 93 94 95 96 97 97 98 99	CO001 CO003 CO003 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP015 CP017 CP019 CP021 CP025 CP046 CP047 CP048 CP049 CP051 CP053 CP111 CP111 CP111 CP113 CU001 CU003 CU007 CU009 CU011 CU013 CU017 CU019 CU022 DO022 DO0224 DO022	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  **PATTY BRITCH  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH  HEINLEIN KELLY B  BAILEY SUSAN  HOKENBERG JAN  WATSON JOAN  WATSON JOAN  PERCY JOANN M  REVOCABLE LIVING TRUST  KINSMAN EMILY	802-685-4575 450-550-1835 450-550-1835 802-868-3501 804-244-9124 802-796-3930 802-796-3930 802-796-4036	kellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM  CENTERBAYRDS@YAHOO.COM DBSHADOW@COMCAST.NET  kennethdeyo@yahoo.com	N N N N N N N N N N N N N N N N N N N	N N N Y N N N N N N N N N N N N N N N N	N N N N N N	Needs info. Cost. How did
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 80 81 82 83 84 85 86 87 99 90 91 92 93 94 99 99 99 99 99 99 99 99 99 90 90 90 90	CO001 CO003 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP017 CP019 CP025 CP046 CP047 CP050 CP050 CP051 CP015 CP017 CP019 CP025 CP046 CP047 CP050 CP051 CP050 CP050 CP051 CP050	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  %PATTY BRITCH  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH HEINLEIN KELLY B  BAILEY SUSAN HOKENBERG JAN WATSON JOAN H PERCY JOANN M  REVOCABLE LIVING TRUST  KINSMAN EMILY  BOUTAH CLAIRE S	802-868-3501 802-868-3501 802-868-3501 804-244-9124 802-796-3930 802-796-4036 802-796-3413	kellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM  CENTERBAYRDS@YAHOO.COM DBSHADOW@COMCAST.NET  kennethdeyo@yahoo.com	N N N N N N N N N N N N N N N N N N N	N N N N N Y Y	N N N N N N	Needs info. Cost. How did
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 89 90 99 99 100	CO001 CO003 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP017 CP019 CP021 CP025 CP046 CP047 CP048 CP049 CP051 CP053 CP111 CP151 CP173 CU001 CU005 CU007 CU009 CU017 CU019 CU017 CU019 CU021 DO0021	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  **PATTY BRITCH  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH  HEINLEIN KELLY B  BAILEY SUSAN  HOKENBERG JAN  WATSON JOAN  WATSON JOAN  PERCY JOANN M  REVOCABLE LIVING TRUST  KINSMAN EMILY	802-685-4575 450-550-1835 450-550-1835 802-868-3501 804-244-9124 802-796-3930 802-796-3930 802-796-4036	kellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM  CENTERBAYRDS@YAHOO.COM DBSHADOW@COMCAST.NET  kennethdeyo@yahoo.com	N N N N N N N N N N N N N N N N N N N	N N N Y N N N N N N N N N N N N N N N N	N N N N N N	Needs info. Cost. How did
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58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 99 90 91 92 93 94 95 96 97 97 98 99 100 101 102 103 104 105 105 105 105 105 105 105 105 105 105	CO001 CO003 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP017 CP019 CP021 CP025 CP046 CP047 CP048 CP049 CP051 CP053 CP111 CP151 CP173 CU001 CU005 CU007 CU009 CU011 CU013 CU017 CU019 CU021 DO022 DO024 DO022 DO024 DF008 FK008 FK008 FK008 FK003 FK031 FK037 FK031 FK037 FK031 FK037 FK031 FK037 FK031 FK037 FK031 FK037 FK033 FK047	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 40 COON POINT PROPERTIES, LLC 40	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  %PATTY BRITCH  ***TOWLE ELROY W JR  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH  HEINLEIN KELLY B  BAILEY SUSAN  HOKENBERG JAN  WATSON JOAN  WATSON JOAN H  PERCY JOANN M  REVOCABLE LIVING TRUST  KINSMAN EMILY  BOUTAH CLAIRE S  CHAPMAN PENELOPE  LIBRIZZI THEODORE  MICHEL LUCIE LIFE ESTATE  BRUNELL D  PELLERIN ARTHUR W	802-685-4575 450-550-1835 450-550-1835 802-868-3501 804-244-9124 802-796-3930 802-527-0343 802-796-3413 802-796-3413 802-889-5539 802878-5285	kellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM  CENTERBAYRDS@YAHOO.COM DBSHADOW@COMCAST.NET  kennethdeyo@yahoo.com boutahqc@fairpoint.net	N N N N N N N N N N N N N N N N N N N	N N N Y N Y Y N Y Y	N N N N N N N N N N N N N N N N N N N	Needs info. Cost. How did Phase 1 go? Info re: his area.
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 75 76 77 78 80 81 82 83 84 88 89 90 91 92 93 94 95 96 97 97 98 99 100 100 100 100 100 100 100 100 100	CO001 CO003 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP015 CP017 CP019 CP021 CP025 CP046 CP047 CP048 CP049 CP051 CP053 CP111 CP111 CP111 CP111 CP111 CP111 CP050 CP060 CP061 CP060 CP061 CP060 CP061 CP060 CP061	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC H9 COON POINT PROPERTIES, LLC HOON POINT PROPERTIES, LLC H9 COON POINT PROPERTIES, LLC H9	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  %PATTY BRITCH  ***COWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH  HEINLEIN KELLY B  BAILEY SUSAN  HOKENBERG JAN  WATSON JOAN  WATSON JOAN H  PERCY JOANN M  REVOCABLE LIVING TRUST  KINSMAN EMILY  BOUTAH CLAIRE S  CHAPMAN PENELOPE  LIBRIZZI THEODORE  MICHEL LUCIE LIFE ESTATE  BRUNELL D  PELLERIN ARTHUR W  ZWARYCH GLADYS	802-685-4575 450-550-1835 450-550-1835 802-868-3501 804-244-9124 802-796-3930 802-527-0343 802-796-3413 802-796-3413 802-889-5539 802878-5285 802-796-4000	kellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM  CENTERBAYRDS@YAHOO.COM DBSHADOW@COMCAST.NET  kennethdeyo@yahoo.com boutahqc@fairpoint.net	N N N N N N N N N N N N N N N N N N N	N N N Y N Y Y N Y Y	N N N N N N N N N N N N N N N N N N N	Needs info. Cost. How did Phase 1 go? Info re: his area.
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 77 80 81 82 83 84 85 86 87 88 88 89 90 91 92 93 94 95 96 97 90 91 90 91 91 91 91 91 91 91 91 91 91 91 91 91	CO001 CO003 CO003 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP015 CP015 CP015 CP015 CP016 CP025 CP046 CP047 CP048 CP049 CP051	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN JELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49 COON POINT PROPER	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  %PATTY BRITCH  ***TOWLE ELROY W JR  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH  HEINLEIN KELLY B  BAILEY SUSAN  HOKENBERG JAN  WATSON JOAN  WATSON JOAN H  PERCY JOANN M  REVOCABLE LIVING TRUST  KINSMAN EMILY  BOUTAH CLAIRE S  CHAPMAN PENELOPE  LIBRIZZI THEODORE  MICHEL LUCIE LIFE ESTATE  BRUNELL D  PELLERIN ARTHUR W	802-685-4575 450-550-1835 450-550-1835 802-868-3501 804-244-9124 802-796-3930 802-527-0343 802-796-3413 802-796-3413 802-889-5539 802878-5285	kellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM  CENTERBAYRDS@YAHOO.COM DBSHADOW@COMCAST.NET  kennethdeyo@yahoo.com boutahqc@fairpoint.net	N N N N N N N N N N N N N N N N N N N	N N N Y N Y Y N Y Y	N N N N N N N N N N N N N N N N N N N	Needs info. Cost. How did Phase 1 go? Info re: his area.  Good well.
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 99 90 90 91 92 93 94 94 100 101 105 105 105 105 105 105 105 105	CO001 CO003 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP017 CP019 CP021 CP025 CP046 CP047 CP048 CP049 CP051 CP053 CP111 CP151 CP173 CU001 CP053 CP111 CP151 CP173 CU001 CU005 CU007 CU009 CU011 CU013 CU005 CU007 CU009 CU011 CV017 CV019 CV019 CV017 CV019	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  %PATTY BRITCH  TOWLE ELROY W JR  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH HEINLEIN KELLY B  BAILEY SUSAN HOKENBERG JAN WATSON JOAN WATSON JOAN H PERCY JOANN M  REVOCABLE LIVING TRUST  KINSMAN EMILY  BOUTAH CLAIRE S  CHAPMAN PENELOPE LIBRIZZI THEODORE  MICHEL LUCIE LIFE ESTATE BRUNELL D PELLERIN ARTHUR W ZWARYCH GLADYS  VALELA ROSINA CAMERON JANET	802-685-4575 450-550-1835 450-550-1835 802-868-3501 804-244-9124 802-796-3930 802-796-3930 802-796-3930 802-796-4036 802-796-4036 802-796-4000 514-324-0683	kellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM  CENTERBAYRDS@YAHOO.COM DBSHADOW@COMCAST.NET  kennethdeyo@yahoo.com boutahqc@fairpoint.net	N N N N N N N N N N N N N N N N N N N	N N N Y N Y Y N Y Y	N N N N N N N N N N N N N N N N N N N	Needs info. Cost. How did Phase 1 go? Info re: his area.
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 75 76 77 77 80 81 82 83 84 85 85 99 90 91 92 93 94 99 99 100 101 102 103 104 105 105 105 105 105 105 105 105 105 105	CO001 CO003 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP015 CP017 CP019 CP021 CP025 CP046 CP047 CP048 CP049 CP051 CP053 CP111 CP111 CP111 CP111 CP111 CP111 CP111 CP053 CP049 CP050 CP061 CP063 CP061	A-B  X	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  %PATTY BRITCH  ***COWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH  HEINLEIN KELLY B  BAILEY SUSAN  HOKENBERG JAN  WATSON JOAN H  PERCY JOANN M  REVOCABLE LIVING TRUST  KINSMAN EMILY  BOUTAH CLAIRE S  CHAPMAN PENELOPE  LIBRIZZI THEODORE  MICHEL LUCIE LIFE ESTATE  BRUNELL D  PELLERIN ARTHUR W  ZWARYCH GLADYS  VALELA ROSINA  CAMERON JANET	802-685-4575 450-550-1835 450-550-1835 802-868-3501 804-244-9124 802-796-3930 802-796-3930 802-796-3930 802-796-4036 802-796-4036 802-796-4000 514-324-0683	RYCTALE76@HOTMAIL.COM  Rellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM  CENTERBAYRDS@YAHOO.COM DBSHADOW@COMCAST.NET  kennethdeyo@yahoo.com boutahqc@fairpoint.net  TedLibrizzi@aol.com BMCIVER2@FAIRPOINT.NET	N N N N N N N N N N N N N N N N N N N	N N N Y N N Y N N Y N N N Y N N N Y N N N N Y N	N N N N N N N N	Needs info. Cost. How did Phase 1 go? Info re: his area.  Good well.  Twant to test my well water. Thank you for putting together this clear, concise info packet.
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 90 91 92 93 94 95 96 97 97 98 99 99 99 91 100 100 100 100 100 100 100	CO001 CO003 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP017 CP015 CP017 CP019 CP021 CP025 CP046 CP047 CP050 CP051 CP050 CP051 CP053 CP111 CP151 CP173 CU001 CU003 CU007 CU009 CU011 CV051	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  %PATTY BRITCH  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH HEINLEIN KELLY B  BAILEY SUSAN HOKENBERG JAN WATSON JOAN H PERCY JOANN M  REVOCABLE LIVING TRUST  KINSMAN EMILY BOUTAH CLAIRE S  CHAPMAN PENELOPE LIBRIZZI THEODORE  MICHEL LUCIE LIFE ESTATE BRUNELL D  PELLERIN ARTHUR W ZWARYCH GLADYS  VALELA ROSINA CAMERON JANET  % SPIKE ADVERTISING VALLANCOURT ELLEN L	802-685-4575 450-550-1835 450-550-1835 802-868-3501 804-244-9124 802-796-3930 802-796-3930 802-796-3930 802-796-4036 802-796-4036 802-796-4000 514-324-0683	RYCTALE76@HOTMAIL.COM  Rellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM  CENTERBAYRDS@YAHOO.COM DBSHADOW@COMCAST.NET  kennethdeyo@yahoo.com boutahqc@fairpoint.net  TedLibrizzi@aol.com BMCIVER2@FAIRPOINT.NET	N N N N N N N N N N N N N N N N N N N	N N N Y N N Y N N Y N N N Y N N N Y N N N N Y N	N N N N N N N N	Needs info. Cost. How did Phase 1 go? Info re: his area.  Good well.  Twant to test my well water. Thank you for putting together this clear, concise info packet.
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58 59 60 61 62 63 64 65 66 67 77 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 90 91 92 93 94 95 96 97 90 100 101 102 103 104 105 105 105 105 105 105 105 105 105 105	CO001 CO003 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP017 CP015 CP017 CP019 CP021 CP025 CP046 CP047 CP050 CP051 CP053 CP111 CP151 CP173 CU001 CP053 CP111 CP151 CP173 CU001 CP050 CP050 CP050 CP051 CP050 CP051 CP050 CP051 CP050 CP051 CP053 CP111 CP117 CP173 CU001 CP151 CP173 CU001 CP053 CP111 CP173 CU001 CP053 CP111 CP173 CU001 CP053 CP173 CU001 CP053 CP051 CP053 CP173 CU001 CP053 CP173 CU001 CP053 CP173 CU001 CP151 CP173 CU001 CP151 CP173 CU001 CP151 CP173 CU001 CP155 CP173 CU007 CU009 CU011 CP155 CP173 CU007 CU009 CU011 CU013 CU007 CU009 CU011 CU013 CU07 CU07 CU07 CU07 CU07 CU07 CU07 CU07	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  %PATTY BRITCH  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH HEINLEIN KELLY B  BAILEY SUSAN HOKENBERG JAN WATSON JOAN H PERCY JOANN M  REVOCABLE LIVING TRUST  KINSMAN EMILY BOUTAH CLAIRE S  CHAPMAN PENELOPE LIBRIZZI THEODORE  MICHEL LUCIE LIFE ESTATE BRUNELL D PELLERIN ARTHUR W ZWARYCH GLADYS  VALELA ROSINA CAMERON JANET  % SPIKE ADVERTISING VALLANCOURT ELLEN L NADOR CATHERINE	802-868-3501 802-868-3501 802-868-3501 804-244-9124 802-796-3930 802-796-3930 802-796-3413 802-796-3413 802-889-5539 802-889-5539 802-796-4000	NYCTALE76@HOTMAIL.COM  kellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM  CENTERBAYRDS@YAHOO.COM DBSHADOW@COMCAST.NET  kennethdeyo@yahoo.com boutahqc@fairpoint.net  TedLibrizzi@aol.com BMCIVER2@FAIRPOINT.NET  ken@spikeadvertising.com dwootton@together.net abecajorgo@aol.com	N N N N N N N N N N N N N N N N N N N	N N N Y N N Y N N N Y N N N N N N N N N	N N N N N N N N N N N N N N N N N N N	Needs info. Cost. How did Phase 1 go? Info re: his area.  Good well.  Twant to test my well water. Thank you for putting together this clear, concise info packet.  Cost, concerns about boil water and cause, is Fiske road too expensive to do?  Doesn't nave interest in water, but wants to know how the line going through would impact her
58 59 60 61 62 63 64 65 66 67 70 72 73 73 74 75 76 77 78 80 81 82 83 84 85 86 87 99 91 92 93 94 99 91 90 100 100 100 100 100 100 100 10	CO001 CO003 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP017 CP015 CP017 CP019 CP021 CP025 CP046 CP047 CP050 CP051 CP050 CP051 CP053 CP111 CP151 CP173 CU001 CU003 CU007 CU009 CU011 CV051	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  %PATTY BRITCH  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH HEINLEIN KELLY B  BAILEY SUSAN HOKENBERG JAN WATSON JOAN H PERCY JOANN M  REVOCABLE LIVING TRUST  KINSMAN EMILY BOUTAH CLAIRE S  CHAPMAN PENELOPE LIBRIZZI THEODORE  MICHEL LUCIE LIFE ESTATE BRUNELL D PELLERIN ARTHUR W ZWARYCH GLADYS  VALELA ROSINA CAMERON JANET  % SPIKE ADVERTISING VALLANCOURT ELLEN L NADOR CATHERINE	802-868-3501 802-868-3501 802-868-3501 804-244-9124 802-796-3930 802-796-3930 802-796-3413 802-796-3413 802-889-5539 802-889-5539 802-796-4000	NYCTALE76@HOTMAIL.COM  kellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM  CENTERBAYRDS@YAHOO.COM DBSHADOW@COMCAST.NET  kennethdeyo@yahoo.com boutahqc@fairpoint.net  TedLibrizzi@aol.com BMCIVER2@FAIRPOINT.NET  ken@spikeadvertisinq.com	N N N N N N N N N N N N N N N N N N N	N N N Y N N Y Y N N Y Y N N N Y Y N N N N Y Y N	N N N N N N N N N N N N N N N N N N N	Needs info. Cost. How did Phase 1 go? Info re: his area.  Good well.  Twant to test my well water. Thank you for putting together this clear, concise info packet.  Cost, concerns about boil water and cause, is Fiske road too expensive to do?
58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 75 76 77 78 80 81 82 83 84 85 89 90 90 91 92 93 94 95 96 97 102 103 104 105 105 105 105 105 105 105 105 105 105	CO001 CO003 CO003 CO005 CO007 CO009 CO011 CP002 CP007 CP009 CP011 CP015 CP017 CP018 CP021 CP025 CP046 CP047 CP048 CP049 CP051 CP053 CP111 CP111 CP111 CP151 CP173 CU001 CU003 CU007 CU009 CU017 CU019 CU021 CP055 CP066 CP067 CP067 CP07 CP07 CP07 CP08 CP08 CP08 CP08 CP08 CP08 CP08 CP08	A-B	MORRISSETTE JOHN BOLTON MICHELE LAMPMAN CHESTER SANBORN BRIAN TJELTA BRIAN SEBASTIEN-ROY JEAN 49 COON POINT PROPERTIES, LLC 49	MORRISSETTE LEANN  LAMPMAN BEVERLY  COWLES JULIE  BROWN ANDREA  ***PATTY BRITCH  TOWLE ELROY W JR  TOWLE ELROY W JR  PALMER DEBORAH  HEINLEIN KELLY B  BAILEY SUSAN  HOKENBERG JAN  WATSON JOAN  WATSON JOAN  WATSON JOAN  REVOCABLE LIVING TRUST  KINSMAN EMILY  BOUTAH CLAIRE S  CHAPMAN PENELOPE  LIBRIZZI THEODORE  MICHEL LUCIE LIFE ESTATE  BRUNELL D  PELLERIN ARTHUR W  ZWARYCH GLADYS  VALELA ROSINA  CAMERON JANET  ABECASSIS GOLDIE  STRZELEC KATHY	802-868-3501 802-868-3501 802-868-3501 804-244-9124 802-796-3930 802-796-3930 802-796-3413 802-796-3413 802-889-5539 802-889-5539 802-796-4000	NYCTALE76@HOTMAIL.COM  kellyheinlein@yahoo.com EDWARD.HOPPE@GMAIL.COM  CENTERBAYRDS@YAHOO.COM DBSHADOW@COMCAST.NET  kennethdeyo@yahoo.com boutahqc@fairpoint.net  TedLibrizzi@aol.com BMCIVER2@FAIRPOINT.NET  ken@spikeadvertising.com dwootton@together.net abecajorgo@aol.com	N N N N N N N N N N N N N N N N N N N	N N N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N Y N N N Y N N N Y N N N Y N N N Y N N N N Y N	N N N N N N N N N N N N N N N N N N N	Needs info. Cost. How did Phase 1 go? Info re: his area.  Good well.  Twant to test my well water. Thank you for putting together this clear, concise info packet.  Cost, concerns about boll water and cause, is Fiske road too expensive to do?  Doesn't nave interest in water, but wants to know how the line going through would impact her property.

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Color   Colo	Row #	Parcel		Name 1	Name 2	Phone #	Email	Interested?	Meeting?	Participate?	Info Needed/Comments
10	124 125					512-863-5127	<u>claudelalliertexas@gmail.com</u>	N	N	N	
10	126 127	HD027		PATNODE ERIC	RICHARDSON BOHANN LISA J			N			
19   10   10   10   10   10   10   10	128 129	HD053		CAMERON CHRISTOPHER							
15   15   15   15   15   15   15   15	130										
10   10   10   10   10   10   10   10	131				LONG H MELISSA		m.howanitz@yahoo.com				godsend.
10	132 133	HI026		PONTOW WOLFGANG		802-796-4100	lindapine@sympatico.com	N	N	N	
10	134 135	KD004		PHILLIPS JESSIE		802-522-5286		Υ	N	N	
15   15   15   15   15   15   15   15	136 137	KD012		PHILLIPS DEBORAH							
Total Control	138 139					802-272-7705	CMARIEPHILLIPS13@GMAIL.COM	Y	N	N	
10   10   10   10   10   10   10   10	140	KDOO		WILL DEED DOODEDTIES I. S		000 000 2040	Linny@lazat.com	v		N	fees. Year round residential vs
10   10   10   10   10   10   10   10	141	KD030		ILIESCO SERGE		802-989-3040	<u>viiiny@lezot.com</u>	T	IN	IN	Summer resident costs.
March   1965  25   1	143	LI001		MARCOTTE MICHEL			mmarcotte@videotron.ca		Υ	N	
10	145				CARROLL MARY	802-229-4300		T			We own empty lots but are
10	146	MA006		GENDREALI REBECCA		904-451-8084	RBGENDREALI@AOL COM	γ	N	N	interested for when we build or
15   100	147 148	MA010		TYROL BRIAN	TYROL ADELAIDE M						
15   100	149	MA016		KNUDSEN EARL	KNUDSEN BARBARA	802-796-3322	EARL.KNUDSEN3@GMAIL.COM	Y	Υ		
15.   March   March	151	ME002		COWAN STEWART							
	153										
15   1500   15	154				STRAW DEBORAH B	802-862-2470		N	N	N	
10   100	156	ME007		LAPAN JACK	LAPAN TAMMY						
10   10   10   10   10   10   10   10	158	ME009		LONG FRANCES							
100   100	160	ME011		LIMOGE JEFFREY		802-828-6878	jlimoge@gmtec.net	N	N	N	Too costly for summer camp.
10   100	162	MI080		SUNSET LAKE FARM LLC	NELLET DAINIEL						
10	164	MI087		PALARDY REJANE	Estate of		msoule@vhv.com	N	N	N	
18   Proc.   Comment Outcome   Comment NUTS   Com	166	MI207		PALARDY GUY	PALARDY SUSAN	200 700 4/00			.,		Theoretic
10   10   10   10   10   10   10   10	168				CARPENTER MELISSA						Thanks.
100   POLITICAL   POLITICAL	169	DE007		DOWELL QUINCTONIED	DOWELL MOS OUDISTODUED	440 000 5070	DOWELL CHOVEDIZON NET				interested in the future.
10   Pol.	170	PF018		RICE TERRY		802-497-7137		Y	Υ		Renovating building.
15   PRIST   CONTINUENT   CON	172	PF027		PAYA EDWARD JR	BRANT DAVID	734-891-7128		Y	Y	N	
10   POPE   ALMANDRON MINISTER	174	PF039		COX WILLIAM		002 257 4074	DCII MODE @FAIDDOINT NET	V	V	N.	002 704 2545
10   PAGE	176	PF043		LAUBER BRIAN MICHAEL		802-257-4074	<u>DGILIVIORE@FAIRPOINT.NET</u>	T	Y	IN	602-170-3303
150   PROS.   PEPERON PROMES   PROVIDED	178	PF046		EWALD TREVER							
10   15.00	180	PF053		HELFRICH PATRICIA	EWALD TREVER						
18   1905   COMES	182 183	PF057		FONTAINE LIONEL	MARCOTTE JEAN	514-387-0798	lionel.fontaine1@gmail.com	N	N	N	
18   1970	184	PF064		COMEAU VAUGHN S	COMEAU SARA B	410-402-4743	comeau@aol.com	Υ	N	N	
18   1907   R. P.	186 187	PF070		COMEAU RACHAEL COMEAU VAUGHN COMEAU	C/O JOSEPH & MOLLY COMEAU						
1979   1970	188 189										
1955   Prior	190 191										
	192 193				FRED HOLSINGER	614-893-5496	PHOLSKIER@AOL.COM	Y	N	N	
	194 195							<u>'</u>	Y		
1989   F172	196 197				BOZIK JOAN & MARGARET TRUSTEES	802-796-3152	JACKREIN@SURFGLOBAL.NET	Υ	Υ	N	Needs info. Cost.
	198 199	PF122		MCSHANE TIMOTHY	MCSHANE DEBRA	802-922-8242	debramcshane57@gmail.com	Υ	Υ	N	
MISSIAND RIBBR	200						CMACKVT@GMAIL.COM	ı	N	N	
25   PF129   STREIGH ANNOY	201 202					203-403-3451		N	N	N	Trying to sell.
Page	203 204						JETZSONS@AOL.COM				Cost.
APPERION LAMES LIFE TENANCY, LEAVEY AND	205 206			EDMONDS FRANK	CHAMPAGNE ANDREA						
Needs info. Cost   Immigrate-backing Systems   PF142   AMETIMAN ANNESA   PF144   RENES ENDORA   PF145   AMETIMAN ANNESA   PF146   RENES ENDORA   PF146   RENES ENDORA   PF147   PF146   RENES ENDORA   PF147   PF148   RENES ENDORA   PF148   RENES ELENN   RE	207 208	PF138		ATHERTON JAMES LIFE TENANCY, LEAHEY ANGI	1 -	802-363-6521	SUSZAN99@HOTMAIL.COM	I	Υ	N	Cost.
PF142	209	PF140		ward thomas	WARD KELLY						Needs info Cost
PF142	210										timing/scheduling. Says
Content   Cont	011				EEDDIC ELMODA	802-275-2445	annesahartman@gmail.com		Υ	N	survey, but is interested also.
FERRIS GLENN		rt 144		FERRIS FIUWAKU	LEKKIS ELINUKA			IN .			Cost. Curb stop for later
A BAKER ROK	212					802-796-3922	TIMGFERR@GMAIL.COM	I	Y	N	
2716   PF154   PALMER CAROL L	214	PF148	Α	BAKER RICK	, CACIOTIVANOI	802-706.2570	barhtc03@fairnoint net	NI			Invested in well
PF156	216 217	PF154		PALMER CAROL L	CHOLEMINSKA EWA	302-170-33/0	<u>our occoo@raii point.Het</u>	IN			myested iii well.
PF160	218				S. OLEVINORA EVVA						Timeline. Cost of quarterly
PF164   HERBERT SUBANNE A	219 220									N	
PF168	221	PF164		HERBERT ROBERT N	HERBERT SUSANNE A	802-796-3145		Υ	Y		
225   PF172   ZABROSKY DONNA   802-796-3983   ZABROSKY DONNA@YAHOO.COM   Y   Y   Y   ride.	223	PF168		MAGOON HEATHER	MAGOON KEITH	802-249-1577	KHTHMAGOON@MYFAIRPOINT.NET	Y	Y	N	Costs and charges
PF174   CICIA JOSEPH JR   CICIA BONNIE   802-796-3132   JACB76@HOTMAIL.COM   Y Y Maybe   Timing for Poor Farm Road	225				NOOHLLEAU NAITH			,	v		Doesn't drive. Would need a
PF192   RURAL NEWCO LLC & AT&T MOBILITY   ATTN: PROPERTY TAX DEPT   Needs into: Impacts on Property tax and insurance, tax deductible?Payment plan, fire tax and insurance, tax deductible?Payment plan, fire plug?	226	PF174		CICIA JOSEPH JR	CICIA BONNIE	802-796-3132		Υ	Y		
Tax and insurance, tax deductible?Payment plan, fire	227				ATTN: PROPERTY TAX DEPT	ouz-796-3520		N			iveeas into. Impacts on Property
PF193   RICE ROBERT EWING   II   RICE LORIE PALMER   802-223-0207   RERICE3@AOL.COM   Y   Y   N   Plug?	229										tax and insurance, tax
PF199   RILEY THOMAS   PF203   DOLLAN MARIO   DOL	230							Y			plug?
PF218   A   BROWN GWYNETH B   N   N   S   S   S   S   S   S   S   S	231	PF199		riley thomas		302-373-0039	5.500tome grnall.6011	1	1	IN	2 5500 and timing.
PF218   C   BROWN GWYNETH B   N   N   S	232 233 234	PF218	Α	BROWN GWYNETH B	IVENTIN IVIANOUTEJ						
PF218   E   BROWN GWYNETH B   N   S   S   S   S   S   S   S   S   S	235	PF218	С	BROWN GWYNETH B				N			
239       PF218       G       BROWN GWYNETH B       N         240       PF218       H       BROWN GWYNETH B       N         241       PF218       I       BROWN GWYNETH B       N	237 238	PF218 PF218	E F	BROWN GWYNETH B BROWN GWYNETH B				N N			
	239 240	PF218 PF218	G H	BROWN GWYNETH B BROWN GWYNETH B				N N			
	241 242										

317   RO216	N Limite N cost. Needs N yearly Y Hurray N Price	ay! Impact on previously paid
10   10   10   10   10   10   10   10	N cost.  N Price  N Cost.  N Price  N Cost.  N Cost.  N N Cost.  N N N Cost.  N N N N N Cost.	is info. Cost for install & y. ay!
10	N cost.  N Price  N Cost.  N Price  N Cost.  N Cost.  N N Cost.  N N N Cost.  N N N N N Cost.	is info. Cost for install & y. ay!
The Prop.   December of the	N cost.  N Price  N Cost.  N Price  N Cost.  N Cost.  N N Cost.  N N N Cost.  N N N N N Cost.	is info. Cost for install & y. ay!
20	N cost.  N Price  N Cost.  N Price  N Cost.  N Cost.  N N Cost.  N N N Cost.  N N N N N Cost.	is info. Cost for install & y. ay!
PRODUCT   PROD	N cost. Needs N yearly Y Hurray N Price  N Cost. N road v N N Cost. N N N N N N N	is info. Cost for install & y. ay!
PPD	N Needs N yearly Y Hurray N Price N Cost. I N road v N N Cost. N N N N N N N N N N N N N N N N N N N	y. ay! Impact on previously paid
150   P.   P.   P.   P.   P.   P.   P.   P	N Price  N Cost. I N Cost. N N Cost. N N N N N N N N N N N N N N N N N N N	ay! Impact on previously paid
10   POISS	N Cost. IN Cost. N N N N N N N N N N N N N N N N N N N	Impact on previously paid
20	N Cost. N road v N Cost. N N N Cost.	Impact on previously paid
ACCORDING   STATES   STATES	N road v  N Cost.  N N Cost.  N N N N N N N N N N N N N N N N N N N	
1	N Cost.	work.
256   PROSC	N Cost.  N  N  N  N  N  N  N  N	
200   PRO10	N N N N N N N N N N N N N N N N N N N	
250   PROSCO   STREET COMMITTEE	N N N N N N N N N N N N N N N N N N N	
277   29239   284 CS STEPPIN	N N	
277   RODGE   RODGE	N N	
270   R0016   BOON COREY   BOON BOURLE   BOO 290-2575   CRESPOSEDEDAMI COMP. N N N   N   N   N   N   N   N   N   N	N N	
278   1800   1	N	
280   180072		
2023   ROCKIS   PARRENTE COMMUNICATIONS   ATTRIBUTIONS   ATTRIBUTION   N   N   N   N   N   N   N   N   N	N	
255   80099   809998 AJAN		
283   ROUGE   QUISES MANTHAM		
299   RODING   DUTCHES FORWARD   SERVICE   COLEY ANN & CORB ANY   BD-749-3199   EBHITCHES FARRORIST & BERNICE   COLEY ANN & CORB ANY   BD-749-3395   COURT   COLEY TO   CORP   THITCHES ANY   CORB & FFREY   BD-749-3057   COLEY   THITCHES AND   N N N N N N N N N N N N N N N N N N		
1971   ROS88   COSE HUTCHINS AMY   CORR #FFEY   802-796-3970   Lock 1990/empat.com   N   N   N   N   N   N   N   N   N	N Has go	good well.
293   RO136   ROYMICHAEL   PRINCE ARTHUR	N N	
299   RO136   A   BRSW ROY		
RO138		
R0138		n & cost. wny isn't this a shared with the Village.
290   RO139	WE pa	pay for sewer that only the gets.
RO144   WRIGLEY CYNTHIA B		272-1921 Theresa cell.
No.   No.	invoic	279-6652 cell. Costs and ce amts. Wants to be kept
ROTSO		onal. Would prefer waste
ADDITION   DESSETT BRIAN	N water	r plant.
306   RO1166   LABREQUE DENIS CO TTE   RODRIQUE MARIE COTTE   302-796-3094   DLABRECQUE@FAIRPOINT NET   N N N	N Costs.	s. Rates. Thrilled.
RO174	N Lot. V	Would hook up when
ROJOD   NERWIND LANCE   NEWWIND LANCE   NEWW		e built.
312   R0209   GINGINAS EDWARD   TOWERS STEVE   PHILLIPS LISA   S02-343-2205   DAVIDDULIN@HOTMAIL.COM   N N N N N N N N N N N N N N N N N N	N prope	on where line would cross erty.
R0212   DULIN DAVE   802-343-2205   DAVIDDULIN@HOTMAIL.COM   N   N	N	
316   R0214   HIGGINS RICHARD   HIGGINS JUDITH   802-796-3023   JRHIGGINS 56@GMAIL.COM   Y N N   R   1   1   1   1   1   1   1   1   1	N Y	
RO218	Maybe	
RO224   INITIATE NOTES THAN		to amortize hookup costs
322   RS152   SAVAGE BERNARD   SAVAGE PATRICIA     323   RS155   ST FRANCIS MICHAEL   ELLIOTT MARY     324   RS156   CURTIS PAULA & LENO   PULSITER P     325   RS158   VALYOU JEREMY   N N N     326   RS159   ST FRANCIS MICHAEL   ELLIOTT MARY     327   RS160   DEYO KEVIN       328   RS167   BROWN SHANE       329   RS169   ROLLS BRIAN       330   RS173   A BOUTAH DAVID   BOUTAH VALERIE     331   RS173   MAXFIELD ELLIOTT TONIA   MAXFILED RAYMOND       332   RS175   REYNOLDS NEWTON   REYNOLDS DARLENE   N N N     333   RS177   DEYO LORRAINE       334   RS184   BOYD TED   HEALY DIANE   802-999-1256   N N N     335   RS209   CONSTANCE FISHER	Y over 1	18-24 months.
324   RS156   CURTIS PAULA & LENO   PULSITER P		
N	Would	ld like sewer or both, not
328   RS167   BROWN SHANE	N just w	
330         RS173         A         BOUTAH DAVID         BOUTAH VALERIE           331         RS173         MAXFIELD ELLIOTT TONIA         MAXFILED RAYMOND           332         RS175         REYNOLDS NEWTON         REYNOLDS DARLENE           333         RS177         DEYO LORRAINE           334         RS184         BOYD TED         HEALY DIANE           335         RS209         CONSTANCE FISHER		
332         RS175         REYNOLDS NEWTON         REYNOLDS DARLENE         N         N           333         RS177         DEYO LORRAINE         S         N         N         N           334         RS184         BOYD TED         HEALY DIANE         802-999-1256         N         N         N           335         RS209         CONSTANCE FISHER         S         S         O         S         C         N		
335 RS209 CONSTANCE FISHER	N	
	N	
336   RS212   A   ESTEY JENNY   SICARD DAVID		
	N	
341         RS253         DUTTON BETH A         802-796-3437         I         Y           342         RS254         TOWN OF ALBURGH         I         Y	N Costs.	i.
343         RS259         DEYO STEVEN H         9           344         RS260         ROOT RICHARD DIANE         ROOT JEFFERY         802-878-2203         Y         N           345         RS263         THOMPSON LLOYD         THOMPSON SHIRLEY         N	N When	n will it be in their area.
345     RS263     THOMPSON LLOYD     THOMPSON SHIRLEY       346     RS267     FORTIN CHRISTOPHER     FORTIN REBECCA	Suppr	orts having a water line,
RS268 HEBERT CHRISTOPHER HEBERT JENNIFER 802-796-3026 VTBOBCATLOVER@YAHOO.COM N N		an't afford the bill at this
348 RS269 THEORET RICHARD THEORET CRYSTAL 349 RS271 DEUTSCHE BANK NATIONAL TRUST COMPANY AS TRUSTEE C/O OCWEN LOAN SERVICING LLC 360 RS272 DECKTE DATDICIA	NI C	awa well
SSO   RS273   BREYETTE PATRICIA   N N N   N   SSO   RS274   ROTHSCHILD JANET   SPRANO CLAIRE REVOCABLE TRUST   SPRANO JOSEPH JR REVOCABLE TRUST   SPRANO JOSEPH JR REVOCABLE TRUST   SPRANO CLAIRE REVOCABLE TRUST   SPRANO	N Has ov	own well.
352   RS277   SPRANO JOSEPH JR REVOCABLE TRUST   SPRANO CLAIRE REVOCABLE TRUST		
355   RIVELTAVILLET INCOT	, 1	overdue due to water
RS286 MASHTARE WALTER - Harry C/O HARRY MASHTARE 802-868-7762 vtsidha@yahoo.com N N		ty issues, but he is clearing ad's house to sell.
356         RS295         SYLVESTRE JAMIE           357         RS299         WESTOVER KEVIN         WESTOVER CHERI-LEE           358         RS301         CHANDLER HOWARD	quality	
358   R5301	quality	
361         RS309         OUELLETTE VERNON           362         RS310         STONE DEANN	quality	
363         RS315         SPRANO JOSEPH III           364         RS317         JACOBS DONALD           365         RS319         JACOBS DONALD	quality	
365         RS319         JACOBS DONALD           366         RS320         SMITH ANNETTE ALLAN         % CAMERON VELMA	quality	

3

		<b>.</b> .			1	Ī	1			
Row #	Parcel	Parcel Sub	Name 1	Name 2	Phone #	Email	Interested?	Meeting?	Participate?	Info Needed/Comments
367 368 369	RS321 RS323 RS328		JACOBS DONALD GRENON KURT M PEASE DENNIS	MASKELL LORIE PEASE MARTHA			Υ	Y	N	
370 371	RS329 RS348		GAUDETTE EULICE PELLERIN CAROL	GAUDETTE DORIS E PELLERIN ARTHUR	802-796-4201	eulice1934@yahoo.com	Υ	Υ		Date of installation & Cost
372 373	RS410 RS413		PHELPS WILLIAM CRELLER BEVERLY REV T TRUSTEES	ROBERT, SHAWN, GENE, % ROBERT						
374 375	RS418 RS423		MC CRILLIS MAURY CRELLER ROBERT JR TRUST	MC CRILLIS LISA						
376 377 378	RS434 RS437 RS441		CRELLER BEVERLY ESTATE OF STOUT GLENN NOWICKI DIANE	% CRELLER ROBERT SILAG SIOBHAN						
378 379 380	RS446 RS449		BORTZFIELD SCOTT CRELLER TREVOR	PALMER ALISON						
381 382	RS452 RS458		KING LESLIE POQUETTE MICHAEL & MELODIE LIFE ESTATE		802-796-3859	MDPOGUETTE48@YAHOO.COM	Y	Y	Υ	
383 384	RS459 RS461		JACKSON ROBERT RILEY STEVEN	JACKSON KIM RILEY KATE	802-229-8694	sriley@??	Υ			Cost.
385 386	RS462 RS466		PIKE ROBERT III PIKE III ROBERT		802-868-2238 802-752-7528	PENPIKE@COMCAST.NET pikestaxidermy@comcast.net	Y	N N	N N	
387 388	RS468 RS474		COTA KENNETH HANSEN HERMAN JR	COTA DOROTHY HANSEN ROSELLA	802-796-3579	,	N N	N N	N N	
389 390	RS478 RS482		HANSEN HERMAN JR SCILLION MURIELLE	HANSEN ROSELLA HANSEN LYNNE & THOMAS	802-796-3579		N	N	N	
391 392	RS484 RS490		Hansen Thomas Shimek Joseph	HANSEN LYNNE M	200 704 0400	HANGON OF AIRPOINT NET				
393 394 395	RS495 RS497 RS500		Hansen Herman III Lenk Barbara Fleury Mary	HANSEN PAMELA	802-796-3633	HANSON@FAIRPOINT.NET	N	N	N	
396	RS505		DECORA HELEN		561-603-5528	edecora@aol.com	ı	N	N	Would like a call at the phone # - Fla
397 398	RS506 RS512		VERMONT ELECTRIC COOP WILLIAMS JASON							
399 400	RS518 RS520		JARVIS GORDON NIXON WILLIAM A AND NIXON BARBARA A	JARVIS KATHRYN REVOCABLE LIVING TRUST		VTNIXON003@GMAIL.COM	Υ			
401 402	RS522 RS526		NIXON BILL JR C/O BILL NIXON SR BEYOR GORDON	BEYOR PAULINE	802-796-3711		Υ	N	N	How to monitor leaks. Too late. Spent \$15,000 on new
403 404	RS539 RS542		ROCHEDIEU MICHEL PERRY JAMES	ROCHEDIEU KATHY J PERRY DEBRA	402-669-0076	KATHY BOYD@HOTMAIL.COM	N	N	N	system.
405										
406	RS546		MASHTARE MARGUERITE	MASHTARE MICHAEL, MARK, ALAN	902 524 0000	toni hill@hatmail.com	v	V	NI NI	Needs info. Debt service costs,
407	RS548 RS554		CAMPBELL WILLIAM P HUTCHINS HARRY	CAMPBELL TONI L HUTCHINS DOROTHY		toni_bill@hotmail.com DOTHUTCHVT@AOL.COM	Y	Y N	N N	timeframe, serwe lines?
408 409 410	RS554 RS556 RS560	А	MATOZEVICH JOE HANSEN LINDA HONSINGER JOSEPH	MATOZEVICH DIANA HANSEN PAUL HONSINGER JESSICA						
411	RS566 RS567		BOUSQUET MAURICE DILENBECK BAY ACCESS AREA	BOUSQUET JUDITH STATE OF VERMONT	450-649-1958 802-456-1264	JMBOUSQUET@YAHOO.COM MIKE.WICHROWSKI@VERMONT.GOV	N N	N N	N N	
413	RS568 RS572		FRASER CATHERINE FISHER ANTHONY	FISHER ANN	802-796-4763	IVIINE.WICHROWSNI@VERIVIONT.GOV	N	N N	N	
415	RS578 RS579		RADKIN ESTATE FLEURY JOHN	C/O DONALD BURGESS FLEURY DEBORAH			N			
417 418	RS580 RS602		BILLINGS BRUCE HUTCHINS SHAWN							
419 420	RS615 RS618		DEMCZUK THEODORE DEYO STEVEN	DEMCZUK KARIN DEYO MARQUITA			N	N	N	
421 422 423	RS644 RS645 RS646		MASHTARE MARK TATRO JAN & SHIRLEY BOARDMAN GARY	MASHTARE MERRY TATRO ALICIA	802-393-1766	GSB43@FAIRPOINT.NET	Y	Y	Y	
424 425	RS648 RS649		BOUSQUET EDWARD TATRO JAN	BOUSQUET JEANNE TATRO SHIRLEY	802-393-1700	G3D43@TAIRFOINT.NET	'	ı	ı	
426 427	RS650 RS656		BOUSQUET EDWARD JARVIS MICKEY	BOUSQUET JEANNE	802-796-3996		I N	Y N	N N	
428 429	RS660 RS668		IRICK DENNIS RASMUSSEN WILLIAM	IRICK JULIE						
430	RS669 RS704		POIRIER ALBERT R SANTOR PAULINE	POIRIER SUSAN S	802-236-5046	ARPCOLBY@YAHOO.COM	Υ			
432 433 434	RS706 RS708 RS726		LOYER RHONDA SANTOR PAULINE PALMER RALEIGH JR	PALMER DEBORAH						
435	RS754 RS760		CHAMPAGNE ANDREA HANSEN PAUL	BOHANNON GILBERT & CATHY			Y	Y	Υ	
437										Wanted before. Sadly, too late now due to put in well and age -
438	RS762 RS766		BRADSHAW CLARENCE PALMER CHARLES	BRADSHAW JEANNETTE	860-583-6439 802-796-3520		N N	N	N	probable need to sell soon.
439 440	RS768 RS770		R.P. PROPERTIES LLC RP PROPERTIES LLC		802-233-3663	prop1245@gmail.com PROP1245@gmail.com	I	Y	N N	Costs. Rates. Thrilled. Cost b/c multiple units
441 442 443	RS782 RS784 RS785		PALMER RALEIGH JR PALMER RALEIGH JR SHINTANI ERIC	PALMER DEBORAH PALMER DEBORAH						
444	RS787 RS789		DILILLO ANTONIE CHEVALIER LORRAINE	DILILLO VIRGINIE CHEVALIER ERIC						
446										seasonal use, number of taps vs number of meters, meeting
447	RS791 RS791	A	WALKER PATRICIA TRUSTEE REV TRUST WALKER PATRICIA TURSTEE REV TRUST		260-724-3719 260-724-3719	pswalker2005@yahoo.com pswalker2005@yahoo.com	Y	Y	N	during summer months
448 449	RS793 RS793	A	WALKER PATRICIA TRUSTEE REV TRUST WALKER PATRICIA TRUSTEE REV TRUST		260-724-3719 260-724-3719	pswalker2005@yahoo.com pswalker2005@yahoo.com	Y			
450 451	RS796 RS797		DULUDE STEVEN DUCHAINE JANICE TRUSTEE	DULUDE SHARON	802-796-3590		N	N	N	Limaline C
452	DC004		WILLOW WILLIAM DEVOCABLE TOUGT		000 000 7000	wilconum@col com			N.I	Timeline. Cost. Just put in a well, but might be interested if a few
453 454	RS801 RS802		WILSON WILLIAM REVOCABLE TRUST SIGNOR BOB SAYLOR (ELMER) PAT	SIGNOR SANDRA SAYLOR THOMAS	802-238-7838	wilsonwm@aol.com pelmer@a4td.org	Y	Y	N Y	years down the road.
454 455 456	RS803 RT011 RT022		SAYLOR (ELMER) PAT RT 78, LLC SANTOR LARRY	SAYLOR THOMAS WILLIAM CHESBROUGH SANTOR PAULINE	802-796-3559 802-658-7600	WCHESBROUGH@GMAIL.COM	N N	N N	N N	Has a good well.
456 457 458	RT031 RT038		PATNODE RANDY A SAVAGE BERNARD S SR	PATNODE SHIRLEY ANN SAVAGE PATRICIA A	802-796-4171	srpatnode59@gmail.com	N	N	N	
458 459 460	RT038 SU002		SAVAGE BERNARD 5 SK SPRANO JOSEPH III WILLIAMS JUDITH	S. M. GET MINION A						
461 462	SU006 SU008		GIBBO TIMOTHY G GIBBO TIMOTHY	GIBBO TINA GIBBO TINA	802-862-3616 802-862-3616	sgibbo3187@aol.com sgibbo3187@aol.com	Y Y	Y Y	N N	
463 464	SU018 SU060		LADESSOVA NATASHA HOKENBERG JAMES	HOKENBERG JAN			<u>L</u>			
465 466	SU078 SU082		BOHANNON GILBERT TATRO ROBERT W. JR	BOHANNON CATHY TATRO SUE A						
467 468 469	SU106 SU132 SU145		BLAISE NANCY DEYO STEVEN GREGOIRE ANTHONY	DEYO MARQUITA GREGOIRE HEATHER						
469 470 471	SU145 SU148 SU149		BOHANNON TIMOTHY VERMONT ELECTRIC COOPERATIVE INC	ONE HEATHER						
472 473	SU149 TR004		VERMONT ELECTRIC COOPERATIVE INC CRELLER ROBERT JR							
474 475	TR006 TR016		CRELLER ROBERT JR CRELLER BERNADETTE							
476 477	TR019 TR025		CRELLER GENE % ROBERT CRELLER SPRANO JOSEPH III DUHAMEL TAMMAY	CRELLER MARTHA						
478 479 480	TR028 TR044 TR047		DUHAMEL TAMMY COUTURE DAVID LIFE ESTATE LETOURNEAU NEAL	COUTURE DARCY & MANOR HEATHER LETOURNEAU LISA	802-796-3872		Y	Υ	Y	
481 482	TR050 TR053		KEHOE JOHN C FORTIN MATHIEU R	KEHOE ELLEN F FORTIN KATHERINE			L_			
483 484	TR058 TR060		DELANEY HARRIETT DELANEY JERAD	DELANEY WALTER DELANEY HARRIET						
485 486	TR064 TR067		SHEDRICK DANIEL GRATTON ROY	SHEDRICK LAURIE GRATTON LISA	000 70: -	12500				
487 488	TR069 TR073		POQUETTE NEIL REYNELLS JENNIFER	POQUETTE TERESA A REYNELLS COURTLAND	802-796-3742 802-796-3382	nrp1258@msn.com JSR24_7@YAHOO.COM	N N	Y N	N N	Cost. Timetable.
489	TR075		JACQUES PAUL E, JACQUES SUSAN M, JACQUES	LURA & JACQUES PAUL	802-796-3634	SUEPETE@FAIRPOINT.NET	N	N	N	Has good well. Will not pay any costs associated with it.
490 491	TR079 TR080		THEORET TRACY BURLEIGH EDWARD	BURLEIGH MELANY	802-796-3767	M.BURLEIGH@HOTMAIL.COM	Y	V	Maybe	Needs info. Cost. Will Truck Route be included?
491			THEORET LAWRENCE	THEORET FRANCES	802-796-3697	The state of the s	Ϋ́	V		
491 492 493	TR081 TR086		SHEDRICK KATIEBELLE LIFE ESTATE				T		N	
492				BROW SHERRY	802-796-3592		N	N	N	

4

Row #	Parcel	Parcel Sub	Name 1	Name 2	Phone #	Email	Interested?	Meeting?	Participate?	Info Needed/Comments
496	TR102		LANGLOIS BRIAN	LANGLOIS CARLA						
497	TR106		BENNETT KIRK	BENNETT DEBORAH						
498	TR107		PATNODE MADELEINE							
499	TR123		LANGEVIN JOHN	RANNEY AMY						
500	TR129		RUSSIN JAMIE	RUSSIN CORINNE	802-796-3100	BFLY28@OUTLOOK.COM	Y	Υ	Υ	Needs info. Cost.
501	TR157		GRIM ROBERT	GRIM KRISTA	802-796-4251	bkgrim@fairpoint.net	N	N	N	
502	WA010		LAROCHE JEANNE		802-796-3986	WAGNERPOINT@HOTMAIL.COM	Υ	Υ	N	
503										Water quality, System
503	WA016		MCCRACKEN GUYER	MCCRACKEN KIMBERLY	513-289-7566	guyer.mcc@gmail.com	1	Υ	Υ	economics.
504	WA020		LECLAIR GARY	LECLAIR CHERYL	802-796-4688	garyleclair45@gmail.com	Υ	N	N	802-338-5651
505	WA024	Α	WILLIAMS DANIEL	WILLIAMS LUCIE	802-752-6455	DWILLIAMS@TIFAB.COM	Υ			
506	WA032		SPEAR GEORGE							
507	WA034		TULISSI KATHERINE		802-372-1835	ktulissi@msn.com	Υ	Υ	Υ	
508	WA036		WENER BRIAN REVOCABLE LIVING TRUST	WENER ROSE REVOCABLE LIVING TRUST	802-796-6232	rosiewener@gmail.com	Υ	Υ	N	
509	WA050		IRISH PETER		802-796-3933	WOODLINE@FAIRPOINT.NET	Υ	N	N	
510	WA055		ERNST LIVING TRUST	ERNST RICHARD & CAROL	802-796-3554	ERNSTRE@GMAIL.COM	Υ	Υ	Υ	Will be Treasurer.

# Appendix D – Option 2 Map



# Appendix E – WaterCAD

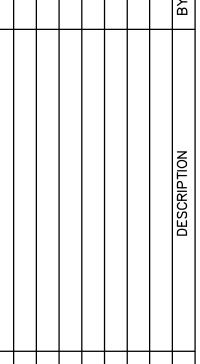




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28 NORTH MAIN ST.
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TEL: (802) 728-3376
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# NOT FOR CONSTRUCTION EXHIBIT



SAFD2 1 NORTH MAIN STREET SUITE 2 C/O VILLAGE OF ALBURGH

ALBURGH, VT 05440

SAFD2 WATER SYSTEM ADDENDUM TO BASIS OF FINAL DESIGN

SHEET TITLE

OPTION 1

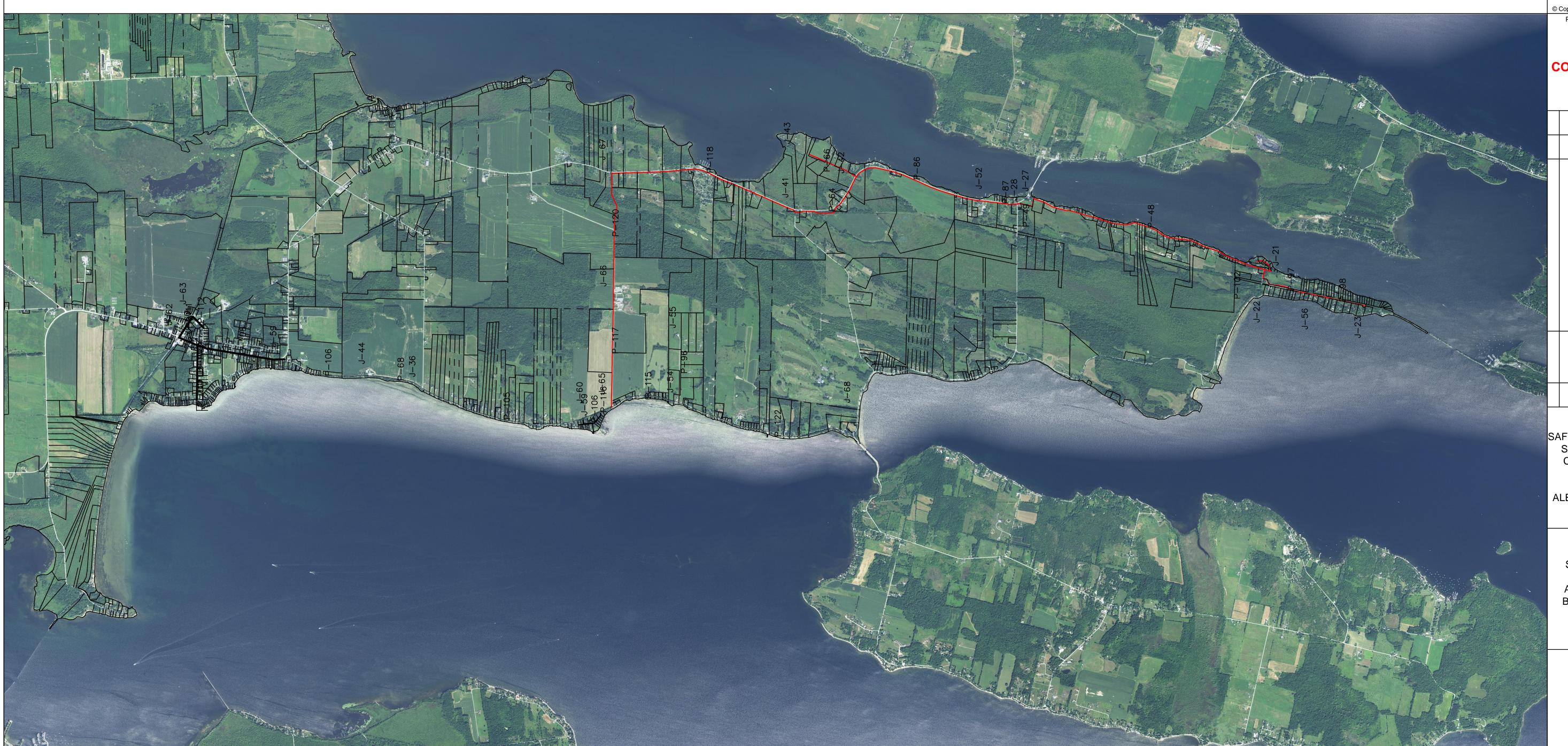
DRAWN BY	DATE				
NJS	MAY 2018				
CHECKED BY	D&K PROJECT#				
JWR	223740				
PROJ. ENG.	D&K ARCHIVE #				
CKG	-				
CHEET	JUMPED				

SHEET NUMBER

C1

SCALE IN FEET

SHEET 1 OF 2



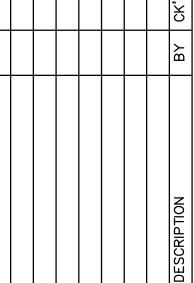




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SAFD2 1 NORTH MAIN STREET SUITE 2 C/O VILLAGE OF ALBURGH

ALBURGH, VT 05440

SAFD2 WATER SYSTEM ADDENDUM TO BASIS OF FINAL DESIGN

SHEET TITLE

OPTION 2

DRAWN BY	DATE
NJS	MAY 2018
CHECKED BY	D&K PROJECT#
JWR	223740
PROJ. ENG.	D&K ARCHIVE #
CKG	

SHEET NUMBER

C2

SCALE IN FEET

SHEET 2 OF 2



	Option #1				Option #2		
Node	# of ERUs	GF	PM	Node	# of ERUs	GF	PM
J-66		18	16.2	J-34		11	9.9
J-67		12	10.8	J-32		8	7.2
J-41		4	3.6	J-31		0	0
J-42		4	3.6	J-30		6	5.4
J-43		8	7.2	J-28		10	9
J-52		10	9	J-52		3	2.7
J-28		10	9	J-42		4	3.6
J-27		16	14.4	J-43		8	7.2
J-21		16	14.4	J-41		4	3.6
J-22		12	10.8	J-67		12	10.8
J-56		15	13.5	J-27		16	14.4
J-23		15	13.5	J-21		16	14.4
		140 Ne	eW.	J-22		12	10.8
		62 Ex	isting	J-56		15	13.5
		202 To	•	J-23		15	13.5
						140 Ne	€W

62 Existing 202 Total

0	ption #1 - 50 Year		Ор	tion #2 - 50 Year		
Node	# of ERUs	GPM	Node	# of ERUs		GPM
J-66	79	71.01928	J-34		48	43.40067
J-67	53	47.34619	J-32		35	31.56412
J-41	18	15.78206	J-31		0	0
J-42	18	15.78206	J-30		26	23.67309
J-43	35	31.56412	J-28		44	39.45515
J-52	44	39.45515	J-52		13	11.83655
J-28	44	39.45515	J-42		18	15.78206
J-27	70	63.12825	J-43		35	31.56412
J-21	70	63.12825	J-41		18	15.78206
J-22	53	47.34619	J-67		53	47.34619
J-56	66	59.18273	J-27		70	63.12825
J-23	66	59.18273	J-21		70	63.12825
•	614		J-22		53	47.34619
	62		J-56		66	59.18273
	676		J-23		66	59.18273

614 New 62 Existing 676 Total

# 1 ERU = 0.9 GPM (Phelps Engineering Inc.)

# 2.1 Design Basis (Vermont Water Supply Rule)

The water treatment plant, water system sources, and pump stations shall be designed for maximum day demand at the design year, recommended 20 years hence. Water system treatment plants, for water systems planning on future growth, shall be designed for maximum day demands expected at least 10 years hence. Water mains and transmission lines shall be designed for 50 years projected growth. Public water systems serving fewer than 100 connections, such as condominiums or subdivisions, need only plan for known projected demand. Specific per capita per day demands as outlined in Subpart 2.2, Table A2-1, shall be used to establish initial average day demand.

Tansmission Lines Shall be designed for 50 years projected growth...
From Alburgh Town Plan 2016: 2015-2020 Projected Growth is 2% per year
ERUS connected to each node use 3% inrease each year to account for future growth with an additional factor of safety.

# Option #1

	CURRENT DEMAND					50 YEAR DEMAND	50 YEAR DEMAND W/ LOOP			
Label	Elevati Dem	and (gpm) Hydr	raulic Grade (Pressure	e (psi)	Demand (g Hydr	aulic Grade (Pressure	e (psi)	Demand (g Hydr	aulic Grade (Pressur	e (psi)
J-21	109	14	232.14	53	55	149.01	17	55	182.01	32
J-22	124	11	232.12	47	24	148.93	11	24	181.93	25
J-23	113	14	232.04	52	20	148.67	15	20	181.67	30
J-27	110	14	232.73	53	55	152.41	18	55	185.41	33
J-28	115	9	232.78	51	20	152.76	16	20	185.77	31
J-36	105	0	240.94	59	0	205.42	43	0	213.78	47
J-41	109	4	234.33	54	8	163.11	23	8	196.11	38
J-42	105	4	233.84	56	16	159.86	24	16	192.86	38
J-43	105	7	233.84	56	12	159.85	24	12	192.85	38
J-44	108	0	241.59	58	0	209.56	44	0	214.85	46
J-52	125	9	232.93	47	28	153.74	12	28	186.75	27
J-54	108	0	238.26	56	0	188.24	35	0	209.34	44
J-55	160	0	238.26	34	0	188.24	12	0	209.34	21
J-56	113	14	232.05	52	35	148.69	15	35	181.69	30
J-59	105	0	238.63	58	0	190.61	37	0	209.94	45
J-59	111.7	68	242.7	57	300	216.7	45	300	216.7	45
J-60	106	0	238.63	57	0	190.61	37	0	209.94	45
J-60	122	0	245	53	0	237.7	50	0	237.7	50
J-62	123	0	245	53	0	240.09	51	0	240.09	51
J-63	123	0	245	53	0	243.12	52	0	243.12	52
J-65	105	0	238.26	58	0	188.24	36	0	209.34	45
J-66	171	16	236.99	29	47	180.12	4	47	207.23	16
J-67	118.7	11	235.84	51	24	172.91	23	24	205.91	38
J-68	110	0	238.26	55	0	188.24	34	0	209.34	43

# Option #2

		—								
			JRRENT DEMAND		Ę	0 YEAR DEMANDS		50 YEAR DE	MANDS W/ CONTRA	.CT 4 LOOP
Label	Elevati Dem	nand (gpm) Hydr	raulic Grade (Pressure	e (psi)	Demand (g Hydra	aulic Grade (Pressure	(psi)	Demand (g Hydr	aulic Grade (Pressure	e (psi)
J-21	109	14	220.7	48	55	139.87	13	55	195.07	37
J-22	124	11	220.68	42	24	139.79	7	24	194.99	31
J-23	113	14	220.6	47	20	139.52	11	20	194.73	35
J-27	110	14	221.29	48	55	143.28	14	55	198.49	38
J-28	115	9	221.34	46	28	143.64	12	28	198.84	36
J-30	125	5	221.62	42	8	145.38	9	8	199.11	32
J-31	140	0	222.5	36	0	150.54	5	0	199.97	26
J-32	120	7	222.81	44	16	152.37	14	16	200.28	35
J-33	120	0	222.81	44	0	152.37	14	0	200.28	35
J-34	106	10	224.27	51	43	160.85	24	43	201.93	42
J-36	105	0	231.21	55	0	205.38	43	0	213.69	47
J-41	109	4	221.21	49	8	143.22	15	8	202.31	40
J-42	105	4	221.22	50	16	143.24	17	16	201.08	42
J-43	105	7	221.22	50	12	143.23	17	12	201.07	42
J-44	108	0	231.85	54	0	209.53	44	0	214.78	46
J-52	125	3	221.32	42	12	143.55	8	12	199.17	32
J-54	108	0	227.54	52	0	181.82	32	0	207.48	43
J-55	160	0	227.54	29	0	181.82	9	0	207.48	21
J-56	113	14	220.61	47	35	139.54	11	35	194.75	35
J-59	105	0	228.89	54	0	190.55	37	0	209.77	45
J-59	111.7	300	232.97	52	300	216.67	45	300	216.67	45
J-60	106	0	228.89	53	0	190.55	37	0	209.77	45
J-60	122	0	242.78	52	0	237.69	50	0	237.69	50
J-62	123	0	243.5	52	0	240.08	51	0	240.08	51
J-63	123	0	244.43	53	0	243.11	52	0	243.11	52
J-65	105	0	228.53	53	0	188.18	36	0	209.15	45
J-67	118.7	11	221.19	44	12	143.19	11	12	206.14	38

# Appendix F – 2017 Alburgh Village Data



### **ENVIRONMENTAL CONSERVATION**

**Water Supply Division** 

# **FORM**

### **Vermont Monthly Water System Operations Report** For Filtered Surface Water Systems

For the Month of December 2017 \_WSID#\_5136 Name of Water System \_ Alburg Village

Town/City Alburgh, VT 05440 Operator Name Jason Beaulac Phone: 802 782 1652

Total Water Production (in gallons) for the month. 3,409,500

Total monthly Fluoride (mg/l)

Day	Water Produ	olume (in		Tutbidity (N.T.U.)		Dhainfi (m	ection	Ficurida	PH	Теппр. (С)	a	LIV Intensity	UV Transmillance
	Production	Peak Hourly Flow	Riteri	Combined	Individual Filmson	Plant:	Distribution	Plant	Phrésbyct	Finished avg.	(VQ/Q)MC	_	9%
	(Kgal)	(GPM)	(quith soft)	Filtered (daily avg.)	(clathy high)	(Lownest Residuel)	(Lowest Residuel		avg. dally	Cally	Min. <b>24-3</b> 2		_
1	68.3	140	3.78	.12	.18	.71	.33	.47	8.22	8	45	52	98
2	126.3	140	7.07	.13	.18	2.28	.40	.48	8.17	5	145	53	95
3	102.5	140	2.59	.13	.18	.93	1.96	.56	8.14	6	59	54	93
4 .	104.7	140	2.10	.13	.18	1.31	.84	.52	8.11	6	83	60	94
5	65.1	140	6.12	.14	.18	1.35	.94	.43	7.91	6	86	56	92
6	115.9	140	8.65	.12	.18	1.41	.97	.44	8.04	6	90	61	92
7	102.0	140	7.18	.10	.18	.94	1.19	.40	7.96	7	60	59	95
ŧ	99.0	140	10.4	.09	.18	1.36	1.23	.44	7.98	6	87_	66	93
9	114.8	140	7.18	.09	.18	1.28	1.18	.42	7.99	5	81	62	91
10	97.0	140	6.21	.09	.18	.81	1.02	.48	8.06	10	51	59	91
11	138.8	140	5.02	.10	.18	1.18	.95	.46	RLIN	3	75	73	90
12	99.1	140	4.88	.10	.18	1.01	1.32	.42	7.41	5	64	60	89
13	101.6	140	4.65	.15	.18	1.21	1.17	.42	6.60	4	77	57_	93
14	82.8	140	4.12	.11	.18	1.27	1.14	.39	6.63	6	81	39	93
15	114.6	140	6.51	.13	.18	1.24	1.14	.26	6.89	3	79	44	93
16	136.3	140	12.6	.10	.18	1.29	1.41	.28	8.14	2	82	45	92
17	130.4	140	1.32	.10	.18	1.17	1.03	.27	8.15	4	74	40	94
16	107.6	140	1.28	.09	.18	1.23	1.25	.30	8.13	4	80	39	92
19	110.0	140	1.30	.10	.18	1.19	1.18	.25	8.16	4	76	37	92
20	108.5	140	1.26	.09	.18	1.31	1.05	.12	8.08	3	83	43	94
21	103.3	140	1.22	.10	.18	1.16	1.21	.20	8.13	4	74	36	94
22	63.7	140	1.50	.16	.18	<b>;90</b>	1.18	.40	8.16	7	57	49	89
23	180.9	140	1.56	.11	.18	1.28	1.11	.69	7.92	3	81	42	.94
24	117.5	140	1.30	.10	.18	1.17	1.02	.86	7.91	3	77	39	93
25	119.1	140	1.01	.10	.18	1,19	1.01	.96	7.88	4	76	38	94
26	105.5	140	1.12	.09	.18	1.14	1.12	.82	7.93	.4	72	36	95
27	118.5	140	1.10	.09	.18	1.17	1.02	.87	7.91	4	77	37	95
25	105.8	140	1.32	.10	.18	1.32	1.06	.96	7.89	3	84	42	93
29	121.8	140	1.30	.10	.18	1.18	1.14	.98	7.88	4	75	37	94
30	118.3	140	1.31	.10	.18	1.16	.94	.95	7.82	4	74	39	96
31	130.1	140	.96	.09	.18	1.17	1.06	.93	7.77	4	75	39	95

I certify, as the Authorized Representative\* of this water system, that I have completed this form, or reviewed it if completed by another, and that I have taken the necessary steps to ensure that the information shown is correct. In making this certification, I understand that civil and or criminal penalties may be imposed for submitting false information.

1,10, 2018

Received Jason Beaulac

Please Type or Print Name

12/30/2008

JAN 1 0 2018

1/2

*"Authorized Representative" means the owner, co-op president, elected official, or other person with general management, financial, operational and maintenance responsibilities for a water system
I, Disinfection Reporting Requirements:
Record the date and duration of each period when the residual disinfectant concentration of water entering the distribution fell below 0.2 mg/l and when the state was notified of the occurrence (provide detail separately) N/A
YES NO Was the duration longer than 4 hours?
<ol> <li>Number of instances where the residual disinfectant concentration was measured in the distribution system but not detected0</li> </ol>
II. Turbidity Reporting Requirements:
Number of monthly turbidity measurements taken for combined filtered water: continuous     Note: If continuously monitoring turbidity please indicate here "continuous".
The number and percentage of combined filtered water turbidity measurements taken during the month which are:
A. Less than or equal to the Maximum Contaminant Level specified below: 31, 100%
B. Less than or equal to the target turbidity guidelines specified below: <u>31,</u> 100%  (If monitor continuously, enter percent only)
Maximum Contaminent Level (NTU)  Target Turbidity Guidelines (NTU)
Raw Water (NTU)  Conventional or Direct Filtration 0.3  Raw Water (NTU)  70.3  70.3
Slow Sand Filtration 1.0 >0.5 to 1.0 70% Reduction constraint effective coagulation
Note: These turbidity ranges do not apply to some filtered systems (e.g. Slow Sand Filters)
3. The date and value of any turbidity readings during the month which exceed 1 NTU in combined filtered
water. (provide details separately)
III. Treatment Operating Status: Removal/Inactivation:
YES NO Did the water system consistently achieve 99.9% (3 log) removal and/or inactivation of Glardia Lambilla cysts and 99.99% (4 log) removal and/or inactivation of viruses for this reporting month?
(The answer is yes only if the water system meets the CT disinfection goal daily during peak hourly flow, and turbidity is less than Maximum Contaminant Level in 95% of the turbidity measurements taken.)
IV. Compliance Status:
(If no is indicated for any of the following statements, provide detail separately.)
YES NO 1. Disinfectant residual entering the distribution system was 0.2 mg/l or greater during entire month.
YES NO 2. The "CT" goal was met each day for the entire month during peak hourly flow.  YES NO 3. Disinfectant residual, pH and temperature at entry point to distribution system met minimum monitoring
requirements during entire month.
YES NO 4. Greater than 95% of turbidity samples of combined filter effluent were less than or equal to 0.3 NTU.
YES NO 5. At no time during the month did the combined filter effluent exceed 1.0 NTU.
YES ☑ NO☐ 6. Minimum monitoring requirements for combined filter effluent were met this month.  YES ☑ NO☐ 7. Minimum monitoring requirements for each individual filter were met, and no individual filter had
turbidity greater than 1.0 NTU in any two consecutive 15 minute periods during the entire month.
Please submit this form within 10 days after the end of the month to the following address
This (fact sheet/form/application) and related environmental information are available electronically via the internet. For
This (fact sheet/form/application) and related environmental information are available electronically via the internet. For Information visit us through the Vermont Homepage at <a href="http://www.vermontd.qov">http://www.vermontd.qov</a> or visit VT WSD directly at <a href="http://www.vermontdrinkingwater.org">http://www.vermontdrinkingwater.org</a> Received
Vermont Department of Environmental Conservation  Drinking Water & Groundwater Protection Division  1 National Life Price (Main Building, Flour 2)
1 National Life Drive (Main Building- Floor 2)  Montpellier, VT 05620-3521  Phone: 802-828-1535: Toll Free In-State: 1-800-823-6500  Drinking Water & Groundwater & Ground
Phone: 802-828-1535; Toll Free In-State: 1-800-823-6500
12/30/2008 2/2



#### **ENVIRONMENTAL CONSERVATION**

Water Supply Division

### **FORM**

## Vermont Monthly Water System Operations Report For Filtered Surface Water Systems

For the Month of <u>November 2017</u> WSID# 5136 Name of Water System <u>Alburg Village</u>

Total Water Production (In gallons) for the month. 2,654,100 Total monthly Fluoride (mg/l)

The credited volume (in gallons) for disinfection before the first service (VO) 9000 UV Intensity ūν Transo Mance dividual Fillen (VO/OxC Production Peak Hourly Plo (GPM) lahed ave flävr (dally avg.) Hiland (daily high) (Lowesi Residua avo. dally 140 3.92 .18 12 58 52 92 82.4 .12 .91 .06 .87 8.0 77.0 140 3.87 .12 .18 .95 .23 .78 8.0 12 60 51 93 à 74.2 140 3.63 .18 .63 .89 7.9 12 40 54 91 .11 .66 140 2.43 .11 .18 1.17 1.16 .79 7.9 10 74 56 91 98.4 100.1 140 .97 .11 .18 1.01 1.24 .77 8.0 11 64 52 91 6 85.7 140 1.16 ,11 .18 .74 .78 .78 7.9 11 47 54 90 140 3.93 .18 .78 7.8 9 51 58 89 79.1 .11 .80 .16 92.9 140 4.16 .12 .18 1.02 .58 .78 7.9 9 65 56 92 78.6 140 9.18 .18 .98 .71 .71 8.0 9 62 56 92 .11 82.6 140 3.89 .18 1.09 .66 .69 8.2 9 69 53 92 .11 11 93.8 140 1.05 .11 .18 1.28 .65 .71 8.3 8 80 53 93 12 94.8 140 1.89 .11 .18 1.04 .12 .67 7.8 66 58 95 4.50 95 94.7 140 .12 .18 1.22 .91 .73 6.7 7 64 56 14 93 66.0 140 1.77 .13 .18 1.16 .53 .67 6.8 8 74 52 15 3.53 27 70.5 140 .15 .18 .43 .72 .69 6.6 10 41 92 16 125.6 140 2.19 .15 .18 1.32 .65 69 6.6 84 53 88 6 17 60 93 101.6 140 2.02 .16 .18 1.22 1.11 .72 6.6 6 78 10 89.6 140 4.47 .18 1.27 .62 52 92 .12 .51 6.6 6 81 19 83.3 140 2.72 .12 .18 .73 7 59 93 .87 .66 6.6 46 30 .18 1.15 83.3 1.97 .58 6 54 93 140 .11 1.22 6.6 78 21 5 79.5 140 5.36 .13 .18 1.18 .69 6.6 75 53 97 .66 22 93.3 140 7.38 .12 .18 1.12 .71 6.6 7 96 .64 71 54 23 89.1 140 5.18 6.6 53 53 94 .12 .18 £8. 6 .65 .70 24 84.3 140 5.22 .12 .18 1.21 .70 .72 6.6 6 77 61 93 **4**5 140 4.30 .12 92 84.1 .18 1.04 1.09 .68 6.6 6 66 57 26 100.0 140 3.87 .14 .18 .92 6.6 6 67 63 92 1.05 69 27 82.1 140 4.00 .13 .18 1.06 .82 .69 93 6.6 6 67 64 26 96.9 140 4.12 .14 .18 1.23 .72 69 7.3 5 78 64 91 29 92.0 140 5.45 .13 .18 1.03 .51 68 7.8 б 65 53 92 30 98.5 140 5.92 .12 .18 1.02 .73 .51 7.9 5 65 53 94 71

I certify, as the Authorized Representative\* of this water system, that I have completed this form, or reviewed it if completed by another, and that I have taken the necessary steps to ensure that the information shown is correct. In making this certification, I understand that civil and or criminal penalties may be imposed for submitting false information.

8 gnature

12-5-/72017 Date

Jason Beaulac Please Type or Print Name Received

12/30/2008

DEEC 06 2017

	"
*"Authorized Representative" means the owner, co-op president, elected official, or other person with general management, financial, oper maintenance responsibilities for a water system	ational and
<ul> <li>Disinfection Reporting Requirements:         <ul> <li>Record the date and duration of each period when the residual disinfectant concentration of water the distribution fell below 0.2 mg/l and when the state was notified of the occurrence (provide descenarios) Nome</li> </ul> </li> <li>YES \( \subseteq \text{NO} \subseteq \text{Was the duration longer than 4 hours?} \)</li> </ul>	
<ol> <li>Number of instances where the residual disinfectant concentration was measured in the distribution but not detected. <u>None</u></li> </ol>	ion system
Turbidity Reporting Requirements:     Number of monthly turbidity measurements taken for combined filtered water: continuous Note: If continuously monitoring turbidity please indicate here "continuous".	
The number and percentage of combined filtered water turbidity measurements taken during the which are:	month
A. Less than or equal to the Maximum Contaminant Level specified below: 99.9  B. Less than or equal to the target turbidity guidelines specified below: 99.9  (If monitor continuously, enter percent only)	
Maximum Contaminant Level (NTU)  Conventional or Direct Filtration 0.3 Slow Sand Filtration 1.0  Target Turbidity Guidelines (NTU)  Raw Water (NTU)  Target — Finished Water (NTU)  >1.0  >0.5 to 1.0  70% Reduction  <0.5 Demonstrate effective coagulation  Note: These turbidity ranges do not apply to some filtered systems (e.g. Slow Sand	Pilters)
<ul> <li>3. The date and value of any turbidity readings during the month which exceed 1 NTU in combined water. (provide details separately) August 13-14, 2016 – .38 and &gt;1.0</li> <li>III. Treatment Operating Status: Removal/Inactivation:         YES NO Did the water system consistently achieve 99.9% (3 log) removal and/or inactivation of Glardia I cysts and 99.99% (4 log) removal and/or inactivation of viruses for this reporting month?     </li> <li>(The answer is yes only if the water system meets the CT disinfection goal daily during peak hourly furbidity is less than Maximum Contaminant Level in 95% of the turbidity measurements taken.)</li> </ul>	Lambilla
IV. Compliance Status:	•
(If no is indicated for any of the following statements, provide detail separately.)  YES ☑ NO☐ 1. Disinfectant residual entering the distribution system was 0.2 mg/l or greater during entire mellows № № 2. The "CT" goal was met each day for the entire month during peak hourly flow.  YES ☑ NO☐ 3. Disinfectant residual, pH and temperature at entry point to distribution system met minimum requirements during entire month.	
YES ⊠ NO□ 4. Greater than 95% of turbidity samples of combined filter effluent were less than or equal to 0 YES ⊠ NO□ 5. At no time during the month did the combined filter effluent exceed 1.0 NTU.  YES ☑ NO□ 6. Minimum monitoring requirements for combined filter effluent were met this month.  YES ☑ NO□ 7. Minimum monitoring requirements for each individual filter were met, and no individual filter turbidity greater than 1.0 NTU in any two consecutive 15 minute periods during the entire mon	had
Please submit this form within 10 days after the end of the month to the following ac	idress
This (fact sheet/form/application) and related environmental information are available electronically via the internet. Fo information visit us through the Vermont Homepage at <a href="http://www.vermont.gov">http://www.vermont.gov</a> or visit VT WSD directly at <a href="http://www.vermontdrinkingwater.org">http://www.vermontdrinkingwater.org</a>	r
Vermont Department of Environmental Conservation Drinking Water & Groundwater Protection Division 1 National Life Drive (Main Building- Floor 2) Montpeller, VT 05620-3521 Phone: 802-828-1535; Toll Free In-State: 1-800-823-6500 Fax: 802-828-1541 Drinking Water & Gr	2017 coundwater
Protection DIV	ialuli ,

Dri	NVIRO Inking W	NMENTA aber and Ground	L CONS malwater P fermoni	ERVATION DISCHARMAN	ON Vision Wate	n Syste	- <b>-</b>			TE NO	V 08	2017	er
For t	ne mont	Albuch		V Mains	A -16.3	on Bea	r wayer s	Dhnne:	80	-782 -	1652	151011	
Tota	l Water	Production (in ga	gallens) fi	or the mont	h. <u>2.7</u> 4	190	0	Total m					
Day	H	de Palette Branch		(MLT)	-	Chapter Cha	inches e(0	(mpil)	ph	Temp.	tr	(milpo) formativ for	UV Tracemble sea (PA)
	Peralletition (Sanity of Dee)	(Calculation)	River (Gally 4-71.)	Chatters (Wheel (May erg.)	(dest rest) Lightcop Zechnigan	Flank General Conflict	(London) (London) Markinski	Plant (Japana) Tambana)	Partial say	remainer terr	CHARTE	-	
1	26.7	145	1.37	15	18	1.23	1.00	76	6.9	78	76	37.7	35
2	8.7	,	1.69	115	18	1.29	.87	.32	7.1	18	79	35.3	95
3	116.6		1.70	115	468	1.03	25	-38	7.0	15	65	300	27
4	66.6		1.74	16	18	1-34	72/	40	70	1.8	8)	36.0	26

7	83.9	1	180	14	./3	101	,12	.38	6.9	18	62	347	93
	83,9		1.33	.14	18	1,000	-65	.36	6.9	10	67	36.1	87
	83.9		1.22	14	15	1,00	-21	-37	6.3	16		36,2	25
10	100 5		1.74	.14	1/2	1661	.99	38	69	14	79	349	25
	1-3.2		1.62		18	1.30	-34	.46	67	18	80	342	34
	63.8		1.59	_15	J F	1-35	-28	-39	6-5	17	34	36.6	74
	71.2		1.42	-14	1/5	1-36	20	38	6-5	16	44	329	25
14	964	<u> </u>	1.57	.64	17	1.28	150	40	6.5	16		30-1	<u> 35</u>
	45.6	1	1.92	14	118	1.30	20	141	6-3		90	322	25
15	98.7	ļ	6-91	14	/8	1.40	24	-32	8.5	14	33	37.4	93
IJ	72.6		8-35	14	18	1.40	-82	.36	6-5	17	756	31.1	25
324	75.3	<b></b>	6-27	15	1.18	1.46	32	.32	16.6	14	90	33-7	32
19	86.9	<u> </u>	4-88	·H	13	1-50	-59	74	6.6	15	93	221	97
35	724	ļ	4.64		1.13	1.41	.27	30	6.6	14	57	374	91
21	39.7		2.09	1/	1/8	137	.23	-33	6.6	14	86	327	91
22,	727		4.31	11	13	1-91	·41	13.2	6.6	15	97	31.5	38
23,	70.6	<u> </u>	6-08	110	18	1.36	.22	32	6.6	15	74	28.9	74
24	787		8.54	01	117	1.32	,37	20	6-5	16	31	3× 4	
75	947	0	14-51	, 4	118	131	742	-53	\$11.	16	51	824	76
20	94-7		2-70	(10	17	427	144	154	22	15	1.84	313	22
27	72. 7		2.17	iVI	18	1.33	-43	-53	8.2	14	102	31.1	84
20	76.1		2.42	110	.18	430	-48	.56	8.2	14	80	313	72
25	100 8		3.17	181	18	1032	61	53	19.0	14	37	33.2	46
30	78.9	1/2	1049	13	1/9	35	,77	5->	8.1	13	36	35.6	
34	1927	V	229	~ 15	V/8	1.46	116	52	120	12	78	40.0	75

towe taken the necessary steps to ensure that the information above is correct. In making this certification, I understand that divit and or criminal penalties may be imposed for submitting false information.

Piese Type or Pint Name
"Authorized Representative" means the owner, co-op president, elected official, or other person with general management, financial, operational and
maintenance responsibilities for a water system

1.		action Reporting Requirements:  Record the date and duration of each period when the residual disinfectant of the distribution fell below 0.2 mg/l and when the state was notified of the oc	oncediation of water entering currence (provide detail
YES [	] 140	separately) Was the duration longer than 4 hours?  None	
	2.	Number of Instances where the residual disinfectant concentration was mean but not detected	wed in the distribution system
11.	Turbic 1.	dity Reporting Requirements: Number of mouthly turbidity measurements taken for combined filtered web Note: If continuously monitoring turbidity please indicate here "continuous	
	2.	The number and percentage of combined filtered water turbidity measurements which are:	
,	,	which are:  A. Less than or equal to the Maximum Contaminant Level specified below:  B. Less than or equal to the target turbidity guidelines specified below:  (If monitor continuously, enter percent only)	77, <del>5</del> %
-		Markeon Continues Level (NTU)  Conventional or Direct Fibration 0.3  Slow Sand Hibration 1.0  Target The biddy Galdefron (NTU)  Ray Webs (NTU)  Target Fibration (NTU)  Ray Webs (NTU)  Target Fibration (NTU)  Slow Sand Hibration 1.0  >0.5  Discourtment of fibration congelets  Note These turbidity conget do not opply to some filled	on and systems (e.g. Slow Sand Filmes)
	3.	<ul> <li>The date and value of any turbidity readings during the month which excess water. (provide details separately)</li> </ul>	d 1 NTU in combined filtered
AE2		iment Operating Status: Removal/Inactivation:  Did the water system consistently achieve 99.9% (3 log) removal and/or in cysis and 99.99% (4 log) removal and/or inactivation of viruses for this rep	ectivation of Glardia Lambilia orting month?
		The ensurer is yes only if the water system meets the CT disinfection goal daily urbidity is less than Maximum Contaminant Level in 95% of the turbidity meas	
YES YES YES	A NO	2. The "CT" goal was met each day for the entire month during peak hourt  3. Distribution to distribution s	sater during entire month. y flow.
AE2 AE2 AE2 AE2	NO NO		NTI). : this month. nd no individual filter had
		* Please submit this form within 10 days after the end of the month	to the following address
		This (fact sheel/form/application) and related environmental information are evaluable electron between the variable electron between the variable of view in the	ONE O Gradly at Received
		Drinking Water and Groundryger Protection Division 1. National Life Drive, Main, 2 <sup>rd</sup> Hoor Manipolies, VT 05620-3521 Tell from 1-900-823-6500	NOV 08 2017
		Cut of Status 1-802-261-2400 Flot 1-802-868-3591	Drinking Water & Groundwater Protection Division
	L_	11/13/2012	3/2
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### ENVIRONMENTAL CONSERVATION

FORMReceived

OCT 11 2017

**Drinking Water and Groundwater Protection Division** 

# Vermont Monthly Water System Operations Report For Filtered Surface Water Systems

Orinking Water & Groundwate:

For the Month of September 20 17 WSID# \$136 Name of Water System Abuse	1 Village
Town/City Alburgh Operator Name Jose Bauler Phone: 782-1	1652
Total Water Production (in gallons) for the month. 2620500 Total monthly Fluo	

The credited volume (in gallons) for disinfection before the first service (VO) 7000

		WARRIE (III Ge		Teshicity (KTAL)	.,	Distri	ection	Hooride	齿	Temp.	G	. UV	UV Transmittance
DSA		aler Production (Bernaud)		(arm)	Section 1. A	(tray		(agi)	723	Ö	· ·	(allian)	(%)
	Productions (Gallians(Day)	Perk Hamly How, (U) (Collective)	(Q55/5437) (G21)	Combined Filmed (daily arg.)	Individual Filtrand (daily bigk)	Phot (Ionest Residual)	(Lowest (Lowest Resided)	Plant (Highest (Mesidol)	Finished and Cally	Friday, Daly	(405004C	,	
1	95.5	. 140	1.72	12	(/8	.99	.21	.54	6-5	19	63	54	95
2	86.1	1	1-77	.12	13	129	175	30	6-5	19	87	62	8,5
. 3	73-2		1.81	,13	18	1-23	1.21	.37	6-5	18	78	58	95
4	89.2		1.92	/2	.18	1.28	1/27	-54	6-5	19	80	54	93
5	75.0		2-71	. 13	18	1,20	1.44	56	6-5	19	76	57	95.
6	90.6		3-27	,13	118 -	96	192	55	6.5	19	61	51	90
7	71-0		2.72	,13	,13	.99	.72	.37	6,5	19	56	52	95
8	73-8		3-30	./2	.18	90	-33	758	7.0	18	57	56	94
9	51.8	6.2 PM	1-75	,12	1.7	.57	-37	49	6-9	18	36	157	90
10	142.0		177	.12	.18	.42	-50	.45	6-8	12	76	83	88
11	88.7		1.82	.12	1.18	.70	10	1,42	6-8	1.18	44	52	89
12	78-1	,	1.86	, 12	.18	-81	.23_	1,42	6.9	19	51	53	93
13	75.5	·	1.90	.12	1-17	173	141	144	17-1	19	49	51	22
24	770		1-52	6/,	1/5	,91	1.38	,40	7-3	20	51	54	96
15	724		1.90	12	16	94	1.64	30	17/	21	53	83	191
16	109.5	5 . 1.7.77 ( )	3.97	12	./8	.76	153	,43	17.7	121	48	154	91
D	108-4		1.38	./2	15	178	23	738	7.3	122	56	55	97
18	81.3	2.374	1147	12	148	-72	1.78	239	12.2	122	46	55	97
19	80.6		1-81	-12	19	, 72	241	735	12-5	22	46	55	.76
20	71.5		1.49	_13	13	.78	130	136	7.3	72	49	52	96
21	81.3		7.39	.12	.18	.73	42	040	7.4	72	146	52	96
22	77.5	2 1 2 1 1 1 1 1 1 1 1 1	286	.13	-18	-78	.91	1.34	7.0	21	149	82	96
23	129.6	1000	1.84	1.13	.18	.79	-56	.38	7.2	23	50	151	95
24	75.4		,94	1.13	18	280	1.17	941	7.0	122	15/	51	195
ठ	71.7	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1.22	1-13	.18	277	108	,46	6-5	73	49	53	195
26	1 0 11		7.48	1.13	18	1.77	1.03	19	6-9	24	1 49		95
27	74-1		1.27	1./3	18	1.75	1:48	.35	69	74	48		95
28	1//		1.23	-13	18	181	193	246	6-8		51	150	198
29	120		1,20	1.13	.18	-72	183	250	6.9	70	45	50	95
30	36.		1.1.8	1-13	18	078	155	,51	6-9	20	49	53	95
	1		1	1						1	1	1	1

I certify, as the Authorized Representative\* of this water system, that I have completed this form, or reviewed it if completed by another, and that I have taken the necessary steps to ensure that the information shown is correct. In making this certification, I understand that civil and or criminal penalties may be imposed for submitting false information.

Signature Date Please Type or Print Name

\*/Authorized Representative" means the owner, co-op president, elected official, or other person with general management, financial, operational and maintenance responsibilities for a water system

*	Disinfection Reporting Requirements:
I.	Record the date and duration of each period when the residual disinfectant concentration of water entering
	the distribution fell below 0.2 mg/l and when the state was notified of the occurrence (provide detail
	separately)
YES [	NO Was the duration longer than 4 hours? Work
	2. Number of instances where the residual disinfectant concentration was measured in the distribution system
	hat not detected.
	None
11.	Turbidity Reporting Requirements:
	Number of monthly turbidity measurements taken for combined filtered water:      Note: If continuously monitoring turbidity please indicate here "continuous".
	HOLE II COMMINDERY MEMBER PROSE HIMINE HE COMMINDED. CONTINGOUS
	2. The number and percentage of combined filtered water turbidity measurements taken during the month
	which are:
٠	A. Less than or equal to the Maximum Contaminant Level specified below 2
	B. Less than or equal to the target unbody guidelines specified below: 22, 4 %
٠.	(If monitor continuously, enter percent only)
	Maximum Contaminent Level (NTU)  Tauget Ilutidity Guidelines (NTU)
	Conventional or Direct Fibration 0.3   Page   Finished Water (NTU)   Conventional or Direct Fibration 0.3   >1.0   <0.3
	Slow Sand Filtration 1.0 >0.5 to 1.0 70% Reduction  O.5 Demonstrate effective congalation
	Note: These turbidity ranges do not apply to some filtered systems (e.g. Slow Sand Filters)
	3. The date and value of any turbidity readings during the month which exceed 1 NTU in combined filtered
	water. (provide details separately)
III.	Treatment Operating Status: Removal/Inactivation:
YES	NO Did the water system consistently achieve 99.9% (3 log) removal and/or inactivation of Giardia Lambilia cysts and 99.99% (4 log) removal and/or inactivation of viruses for this reporting month?
	Change and 2222 to (4 mg) serious and a marriagnal of Antice for the schooling unions
1	(The answer is yes only if the water system meets the CT disinfection goal daily during peak hourly flow, and
1	turbidity is less than Maximum Contaminant Level in 95% of the turbidity measurements taken.)
IV.	Compliance Status: (If no is indicated for any of the following statements, provide detail separately.)
YES [	
YES	
YES	NO 3. Disinfectant residual, pH and temperature at entry point to distribution system met minimum monitoring
l	requirements during entire month.
YES	NO 4. Greater than 95% of turbidity samples of combined filter effluent were less than or equal to 0.3 NTU.
YES YES	NO 5. At no time during the month did the combined filter effluent exceed 1.0 NTU. NO 6. Minimum monitoring requirements for combined filter effluent were met this month.
AR	NO 7. Minimum monitoring requirements for each individual filter were met, and no individual filter had
, ,	turbidity greater than 1.0 NTU in any two consecutive 15 minute periods during the entire month.
1	* Please submit this form within 10 days after the end of the month to the following address
1	This (fact sheet/form/application) and related environmental information are available electronically via the internet. For
1	information visit us through the Vermont Homepage at https://www.vermont.cov/ or visit DWGPD directly at https://www.vermonthininkingswater.org
	Drinking Water and Groundwater Protection Division  1 National Life Drive, Main, 2 <sup>rd</sup> Floor
1	Montpelier, VT 05620-3521
	Toll free 1-800-823-6500
	Out of State 1-802-241-3400 Fax 1-802-828-1541
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SEP 08 2017



# **ENVIRONMENTAL CONSERVATION**

FORM

Drinking Water and Groundwater Protection Division

# Vermont Monthly Water System Operations Report For Filtered Surface Water Systems

Town/City Albush Operator Name Jason Bearling Phone: 802-782-1652

Total Water Production (in gallons) for the month. 2,878,000 Total monthly Fluoride (mg/l)

line (	credited	volume (in ce	Mons) for e	retainer and	Detote 1	ne tast se	LASON (AC						
Cary	1	Market Market State of the Land		(17277) 1845-187)		trans. (Mari		Carpio Carpio	per .	Research (EZ)	G .	CONT.	LIV (N)
γ <del></del> -	(Actions)	Fed Hardy Flore (3) (Call on Hardy)	(KSE) (MS) (See	Conditional (vitames)			Carlotte Carrotte Tables	Phone: (Phone: (2)(5)(4)(1)	Waliford may chilty	Fichanius, Cally	(migae		
1	86.0	145	1.18	. 11	18	.45	.12	・フィ	6.4	73	27	60	93
1	99.8		1.00	. ti	19	-75	17	17	6-4	23	15	56	47
3	99.1		137	_11	.18	90	69	.42	6.4	27	31	56	97
[ 4	86.2	7.	1.30	. //	17	-40	.10	57	6.4	74	24	97	<i>9</i> 3
-	928		1-33	10	-17	.44	06	.63	6-4	24	27	58	88.
8	89.2		129	, 11	18 -	.39	0	.62	6.4	22	34	57	90
7	78.0		1.44	-17	16	41	. 13	69	6-4	22	75	57	93
	74.3		1-54	-11	./7	42	. 09	.72	6.4	20	26	57	94
•	70.6		1,50		.18	.41	14	.66	16.4	27	35	56	94
15	87.2		1.58	, , ( (	N X	.35	11	.66	6.4	73	71	57	37
77	81.9		1.50	.08	18	66	4	V67	149	16	13	54	37
12	365		1.54	. 12	12	25	/3	.58	7.0	23	13	57	94
13	79.7		1.39	W	-18	-35	·06	.65	6.4	つう	21	56	94
24	78.4		1.42	. 41	18	-33	.12	.66	64	23	100	57	24
10	114.0		54	"- W	118	443	-12	.54	6.9	23	74	5.5	97
15	106-2		84	11	18	140	14	159	6.4	23	26	54	93
11	806		1.15	73/	18	30	13	65	16.6	23	18	41	87
18	4		95	-/3	14	177	.13	67	65	23	13	151	9.4
73		1	1/12	./2	18	. 32	18	771	6.4	23	. 19	52	34
20		<del>                                     </del>	122	./3	18	.23	/5	56	6.5	73	15	34	27
21			1,20	:14	1/8	.28	.16	35	63	24	29	73	94
23	1 1 1		1.64	,12	13	39	.25	,60.	6.4	27	24	54	77
22	96.8	1	3-48	1/2	118	27	./3	165	6:4	122	13	54	94
30			1-87	12	18	126	262	-4/	63	27	. 16	50	94
A		100	1	./2	J./K	.24	.08	48	6-4		14	33	94
29	T	<del> </del>	1.54	1/2	-18	40	374	.50	7.3	70	24	32	94
20	-		99	172	1/8	32	132	53	6.3	87/	1 22	51	94
78	·		1.35	1/2	18	35	10	5/	6.5	/	121	53	94
26			1.42	- /\lambda	18		17/8	53	6.4		12	56	54
- x	_		1-54	./2	17	.32	13	33	6-4		13	133	194
35			1.81	1/12	1.75	1-00		250	6.3	1	76	15 Y	94

I certify, as the Autivariant Representative" of this water system, theil have complated this form, or reviewed it if complated by another, and that I have taken the necessary stage to ensure that the information shown is correct. In making this cartification, I understand that dvil and or criminal penalties may be impoped by extension; take information.

Synthere Date States Type or Wint Name

"Astroized Representative" means the corner, co-op president, elected official, or other person with general menagement, financial, operational and mahybrance responsibilities for a water system

	inclinis Asporting Sugainements		· {
1.	Record the data and duration of a	nch period when the residual disinfestant concentration of	water entering
•	the distribution fell below 0.2 mg/	It and when the state was notified of the occurrence (provide	ie detati
	separataly)	None	
yes 🗀 No.[	Was the dustion larger than 4	tones.	· · · }
2.	. Humber of historical where the m	raidual dicinfectoric concentration was measured in the dist	medeye nothuda
	but not detected	Name	1
		r	
II. Turbi	dity Reporting Requirements:		}
1.	. Number of monthly turbidity men	Kuremenis taken for combined filtered water:	
	Note: If continuously monitorin	g turbidity please indicate here "continuous". Port []	17 4041
. 2	<ul> <li>The number and percentage of or</li> </ul>	combined filtered water hubblilly measurements taken during	g the month
	<b>श्लोबंटी: क्षार:</b>	as a	· 1
	<ul> <li>A. Less then or equal to the Mar</li> </ul>	ofmum Contaminant Level specified below: 95,996	
٠.	B. Less than or equal to the tax	get turbidity guiticines specified below: <u>97, 9</u> %	
	(If monitor continuously,	enter percent only)	,
			· · · · · · · · · · · · · · · · · · ·
· ·	Marines Continued Local (NTO)	Tunget Turbility Califolium (ATC) Esta Water (ATC) Tunget - Violent Water (ATC)	. []
· ·	Conventional or Direct Filtration 0.3	>1.0 <0.3	
	Steer Send Febrution 1.0	>0.5 to 1.0 70% Reduction	
-		40.5 December of history congulation. Note: These inchiefty congue do not upply to second district systems (e.g. Siot	
, ,			
· 3	i. The date and value of any turbid	ity reaches during the month which exceed 1 HTU in comi	bined filtered
• • • • • • •	water. (provide details separatel	k)	
		· · · ·	•
III. Tree	Americ Operating Status: Remo	eni/Inacitration:	
YES NO	Did the water system consistent	tly actions 99,9% (3 log) removal und/or inactivation of Ga	ndia Lambilia
	cysts and 99,99% (4 log) remov	eli end/or inectivation of variets for this reporting month?	
	· · ·		
	The answer is ves only if the water	system meets the CT distribution goal delity during peak for	wriv flow, and
		ambant Level in 95% of the building measurements taken.	
	• • • • • • • • • • • • • • • • • • • •		·
IV. Com	pliance Status:	·	
:		e following statements, provide clotal suparetely.)	
YES [] NO	1. Disinfectant residual entering	the distribution system was 0.2 mg/l or greater during ent	ire month.
YES A NO	2. The "CT" goal was mad each	day for the entire month chains peak hourly flow.	
YES [2] NO		temperature at entry point to distribution system met mini	gohodinom mared
100 40	त्यापीलाधादः वैद्यांत्र सर्वेतः प्रा		
YES IN NO		y samples of combined liber effluent were less than or expr	ai to 0.3 NTU.
YES 内 NO	S At no time during the month	did the combined Other officerst exceed 1.0 NTU.	
		ments for combined rater effluent were met this month.	
YES WO		ments for each individual filter were met, and no individual	AP 1 - I
1000	The second second sections	U in any two consecutive 15 minute periods during the cold	Miles Mail
			mer nati m month.
	nuncaty greater take 1.0 m (		e mouth
	-4-	in a	e muitt.
	-4-	in a	e muitt.
_	-4-	hin 10 days after the end of the mouth to the follow	e muitte
Г	* Please submit this form will	hin 10 days after the end of the month to the follow	ie menth.
Г	Please submit this form will  The (included form) application) and re	hin 10 days after the end of the month to the follows hind environmental information are modified electrockely via the information of the following of whit OWED directly st	iog address
Γ	Please submit this form will  The (included form) application) and re	hin 10 days after the end of the month to the follows	iog eddress
Γ	Please substitute form will The (fact show/form/application) and re beforeeden visit us through the Vi	thin 10 days after the end of the month to the following the delication of the month to the following the state of the sta	iog eddress
	Please substitute form will The (fact show/form/application) and re beforeeden visit us through the Vi	thin 10 days after the and of the month to the follow- deled environmental information are mailtain electropically via the informa- termost Homopogo at http://www.vermont.cov or visit CMETO directly at http://www.montholenowstar.com	iog eddress
	Please substitute form will The (fact show/form/application) and re beforeeden visit us through the Vi	thin 10 days after the and of the month to the following that developments information are maintain electropically via the information are maintain electropically via the information of via CMEFO directly at https://www.nepropically.com/processors/policy/processors/policy/processors/policy/processors/policy/processors/policy/processors/policy/	iog address
	Please substitute form will The (fact show/form/application) and re beforeeden visit us through the Vi	thin 10 days after the and of the month to the follows:  I thind environmental information are mailthin electropically via the information of the control of the information of the control of the contro	iog eddress
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	Please substitute form will The (fact show/form/application) and re beforeeden visit us through the Vi	thin 10 days after the and of the month to the follows:  I thind environmental information are mailthin electropically via the information of the control of the information of the control of the contro	iog eddress
	Please substitute form will The (fact show/form/application) and re beforeeden visit us through the Vi	thin 10 days after the and of the month to the follows:  I thind environmental information are mailtain electronically via the information are mailtain electronically via the information are mailtain electronically via the information at the control of the cont	iog eddress
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## **ENVIRONMENTAL CONSERVATION**

**FORM** 

Drinking Water and Groundwater Protection Division

Vermont Monthly Water System Operations Report For Filtered Surface Water Systems

For the Month of Jaker	20/1 WSID# 5/36 Name of Water System Alburgh Willage
Town/City Albanal	Operator Name Jason Branker Phone: 782-1652
	ns) for the month. 2781300 Total monthly Fluoride (mg/l)
The smallest referred the smillery	the date of the state of the first passing person 9000

Ces	•	ule: Hode Ship Dune: 0		Grizzi). Jimm		Haria C-u		Richts Court	pp.	Tomp. (C)	CT .		THOMETRICS (%)
	New Service (Cast one City)	(maximum)	(Zagikani) Para	Continue Primer Girlly 144-1	Company Company Company		Cidential Cident	Plant (1-2 feet New 2-47)		Painted may, their	<b>SAPPLE</b>		
· ' <u>a</u> ·	79.7	. 190	1.76	12	18	135	17	1.67	7.5	20	22	5 Y	73
2	79.9		3.66	10	118	.39.	16	1.06	26	21	<b>3</b> 3	87	95
J	1/23		3.22	11	./8	108	.16	194	29	21	5	58	95
4_	93.3		1.88	-:11	118	12	73	75	79	[ Q/ _	48	53	95
ŧ	93.3		1.48	1/2	+/4	13/	21	J. 45	7.8	22	19	88	95
4	242		2-45	. 61	1/8-	149	1/2	61	40.O	22	"გი	57	95
7	108.0		1-51	12	.18	10 52	09	.68	7.8	22	32	59	23
6	928	<b></b>	1.42	./3	-18	. 66	-63	72	78		40	58	27
*	1221		1-47	111	18	11.12	109	.79	80	253	42	58	93
10	90.9		1,18	- 14	18	1.20_	.36	-97	7. 7	72.2	76	(30	92
11	127.3		1.70	1./2	1.12	[\\\?\\_	-25	.98	7.4	82	76	B/A	94
17	77.5		1.00	1/3	./8	1,20	.08	92	24	22	80	N	2/2
15	88.6		1. 92	1/2	.18	1.36	20	90	7.2	21	87	63	92
*	81.4		1.58	,/3_	16	1:33	22	154	170	21	182	81	192
75	822	<u> </u>	161	:12	18	1.35	20	30	69	12/	83	63	32
15	79.9		1.41	-/2	1/8	1.34	122	94	7.3	74	\$7	65	19/
בי	76.2		1.40	-21	115	1.12	.23	45	23	122	60	67	92
9	V +	<b>.</b>	1.7.	<u> </u>	1.18	- 80	08	.82	7.1	23	50	62	92
19	68,0		1.82	166	148	180	12	.29	2.1	7.3	149	62	90
20	90.1	<del>                                     </del>	1-40	11/	117	\$7	32	BY	70	23	132	164	91
┸	89.7	<u> </u>	1.40	-10	./6	82	106	8/	7.0	23	130	63	90
72		<del>                                      </del>	1.22	1	7/9	190.	1/2	77	1.9	73	155	24	90
	1 1	11	V 28	+ 11.	1/8	12%	00	178	70		57	80	30
24		<del>                                     </del>	1-77	1 bl	16	14.27	1.00	1-6/	6.9		.66	40	
25	166 655	4-4-2-1-22	1.81		115	1.28	-07	169	7.0	12/	148	53	72
<b>*</b>	- 100. V	<del> - </del>	2.01	- 4	112	1.01	1-1-6	F 65 6	20	122	182	137	93
27	V 0 0 200		177	1-4C	103	1.00	120	-63	16.6	1 22	153	60	73
223			1-99	1 1/	1.18	285	114		16.3		185	<del></del>	143
39		1	17.	<u> </u>	116	1.81	13	1-76	7-0	23	12/4	166	193
L.×	962	10	1.00	- 6/	18	1.07	1/3	<u> 1~7€.</u> -	12.5	32	161	87	1 3/3

I certify, as the Authorized Representatives of this water system, that I have completed this form, or reviewed it if completed by enotine, and that I have taken the necessary steps to ensure that the information shows is correct. In making this circlification, I understand that dvi and or criminal persisten may be imposed for submitting takes information.

Symbolic Securitar States Type of Print Name

"Authorized Representation" maps: the course; co-up president, elected official, or other parton with general management, firestial, opinional and maintenance responsibilities for a voter estate).

AUG 1 4 2017

Drinking Water & Groundwater Protection Division

Dishelection Reporting Requirements:	
<ol> <li>Record the data and duration of each period when the residual the distribution fell below 0.2 mg/l and when the state was no</li> </ol>	Chaintectant concentration of water enterin Hilled of the occurrence (oranide detail
separately)	
ES NO What the duration longer than 4 hours?	
2. Humber of instances where the residual disinfecture concentra	tion was measured in the distribution syste
but that detected Non e	
N 2 6	(4
<ul> <li>Turbidity Reporting Requirements:</li> <li>1. Number of monthly turbidity measurements taken for combine</li> </ul>	d filtered water: @27
Note: If continuously monitoring turbility please indicate ha	
2. The number and percentage of combined filtered water build	
which are:  A. Less than or equal to the Madmum Contaminant Level sp  9. Less than or equal to the famet hability calcillates should	actified below-
<ol> <li>Less them or equal to the target turbidity guidelines specifications.</li> <li>(If monitor continuously, enter percent only)</li> </ol>	
Box Water Oville Trenst - Mar	Marie (NATO)
Convenional or Direct Filtration 0.3 >1.0 <0.3 Store Sand Filtration 1.0 >0.5 to 1.0 79% Reduction	Sea.
Description	e efficiellus compulation. A apply to occur fillional systems (n.g. Storräund Fillion)
the state of the s	
<ol> <li>The date and value of any turbidity readings during the month</li> </ol>	h which exceed 1 NIV in combined fibered
water. (provide details separately)	
II. Treatment Operating Status: Removal/Inactivation:	
'ES [V] NO[] Did the water system consistently achieve 99.9% (3 loo) rest	well and/or inactivation of Gladia Lembia
cysts and 99.59% (4 log) removal and/or tractivation of variations	क्ट कि क्षेत्र क्यानेतृत्य क्षात्रात्र ।
(The answer is yes only if the water system meets the CT disinfo turbidity is less then Maximum Contaminant Level in 95% of the	con gost any damig past nouty now, an
connected to easy communicate desirent minute crack of 2530 Of files	Ministry accordings investig
IV. Complience Status	
(If no is indicated for any of the following stalements, provide	le chinii supurately.)
YES [7] NO[ 1. Distribution residual entering the distribution system was YES [7] NO[ 2. The "CT" good was mad each day for the entire month dur	it. A might of greater county entire motion. Ion neek housty floor.
(ES NO 3. Objinfectant residual, pil and temperature at entry point t	p distribution system met minimum monito
requirements during entire month.	•
YES [2] 1900 4. Greeter than 95% of turbidity samples of combined filter	
YES [2] NO. 5. At no time during the month old the combined filter efflu YES [2] NO. 6. Minimum monitoring requirements for combined filter efflu	at excess the month
YES [4] NO[3] 7. Minimum rathitining requirements for each Individual risk	er were met, and no hidwidus! (ther had
harbidity greater than 1.0 NTU in any two consecutive 15 r	ninute periods during the cities month.
	بياف هو بي من المناف الم
Please substitute form within 10 days after the and	of the mount to the tolerant scores
Please submit this form within 10 days after the and	The state of the s
This that sheat/form/confiction) and minimal environmental information and	maliable electronically via the trained. For
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Drinking Water & Groundwater Protection Division 3007/00<del>4</del>

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ENVIRONMENTAL CONSERVATION	FORM

Drinking Water and Groundwater Protection Division

**Vermont Houthly Water System Cogrations Report** For Filtered Surface Water Systems

For the Month of June 2017 WSDD 5136 Name of Water System Alburgh Village Town/City Alburgh Operator Name Jasa Beaulac Phone: 782-1652	
Townson Albury Operator Home Jason Beaulac Phone: 782-1652	
Total Water Production (in geliens) for the month. 2,708 100 Total monthly Fluoride (mg/l)	

The credited volume (in gallous) for disinfection before the first service (VO) ₩. . المالية 7 707 Water Street 24,0 (Course **Euroc** 77 93 73 73 8.20 12 .60 76 6.2 48 1 1324 18 -1.3 ·W 1 3. DB 10 5% 6.6 15 33 77.3 70.9 -12 37 09 0.79 14 3 4) 4 1194 1.48 109 18 :40 ~. IK - 15 6.1 15 93 1 143.5 1-36 .08 16 91 -11 46 đ 826 1-28 127 18 46 73 45 <del>-7</del>3 .07 14 Ġ 30 7 *ن و* ال 45 43 ·32 18 72.0 48 75 44 8 829 1-80 . O 6 16 08 3 00 28 2.09 .46 6.8 • 20.7 DE 17 192 .10 .18 90.6 49 <u>70</u> 92 妨 96 76 6-8 -18 101.7 1-97 4 42 92 'n 11 33 43 12 49.0 U 4 -18 -GO 69 1-72 47 67 19 93 93 78 10.3 18 卫沙 n 1- 27 . 10 49 61 23 28 27 18 1.0) 44 83-1 1.92 00 46 29 34 1028 231 45 7 X 1'8 28 18 22 75.3 39 **が**-93 .36 . L ( 13 3.92 2.31 .78 946 73 3/ 43 17 .51. Z.Y 10 *w*6 23 ZŻ. 71. ( 10 <del>8</del>3 46 90 93 47 **7**7 19 88-219 18 19 73 w 192 ,09 -14 58 23 23 19 84.3 20 20 94 1/0 ZУ 29 34 36. 71 36-Z 40 44 114 ワロ 7-3 A 33.4 1.22 84 50 37 42 857 -18 B <u>70</u> ムタと .. [[ 21 22 83.9 92.8 20 478 36 72 43 24 ,11 .14 12 75 23 25 16 1.62 12 7.6 44 840 7-12 18 .82 x26 77 54 4 w 84.7 51 77 .41 18 3/ 48 34.8 2.44 62 18 <u> 7.6</u> -11 20 77.3 240 10 68 41 95 23 .14 7. 8 9%0 2-54 20 50 16 人の日

I certify, as the Anthonium Suprementation" of this water system, that I have completed this force, or assisted it if completed by empires, and that I have taken the recessory slope to ensure that the chimenists shown is correct. In making this cartification, I watershoot that chil and or orbital penelties may be imposed for extrations likes information.

Beculoc House Type or Rick Ha 

Tribiliteriance responsibilities for a water system

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Received

JUL 10 2017

Drinking Water & Groundwater Protection Division

	the distribution fell below 0.2	of each period when the residual disinfectant	
c Classifi		minds were subsect that which were problems of the re	
	aconcalcity)		anniano (brasilia
SU WOL		m4 hours? Nine	, , , , , , , , , , , , , , , , , , ,
. —			
2.		an melikud distribution dancentralitan was mes	sured in the distribution system
	hat not detected.	None	•
		<b>/</b> ·	
	letty Reporting Requirement	e: usasuvananis takan for combined filtered wa	
-	Note: If circles and world	wing bability place indicate here "continue	
		ConTV	
` 2	. The number and percentage (	of combined filtered water behindly measurem	
	which are:		369
	A. Less that or equal to the	Heckown Contemberat Level specified below	32 0 %
		target turbilly guidelines specified below.	<u> </u>
	(II. mongat constance	siy, ester parest only)	
. [	Ministration Continues to the (1775)	The Restable (Salishing (ATA))	-
	Consequences or Direct Filmation 0.3	Reg Water (NICO) Transac Printed Water (NICO)	
. 1	Share Figure 1.0	>1.0 <93   >9.5 to 1.0	
		CAS Department of the Company	500
•		Miles There to be significant to sent quely to state for	many a district for \$1 storm (min to the but)
- !	turbidly is toos than Manhaum C	tici system weeks the CT disinfection goal dail antandomic bord in 95% of the turbidity was	
	turbidity is less than Manhaum C  relieuce Status:  (If no is indicated for any of  1. Distriction residual ente  2. The "C" god was not e  3. Distriction's residual, phi  regularization during eptics  4. Greater than 95% of tool  5. At no time during the man  6. Minimum monitoring reg	Contentional Level in 95% of the turbidly was fille following statements, provide detail separating the distribution system was 0.2 steps or good day for the entire much desire peak how and temperature at entry point to distribution a mostly samples of combined (therefilters) were not distributed the combined filter eitherst were not distributed filter eitherst were not alternated for each judicipal filter was much alternated for each judicipal filter was much.	cately.)  maker cluding entire month, fy Now.  system met minimum monitoris less than or equal to 0.3 NTU.  NTU.  it this panelts.  maker including there had
	turbidity is less than Manhaum C  relieuce Status:  (If no is indicated for any of  1. Distriction residual ente  2. The "C" god was not e  3. Distriction's residual, phi  regularization during eptics  4. Greater than 95% of tool  5. At no time during the man  6. Minimum monitoring reg	contentional Level in 95% of the turbidly was fille following statements, provide distribution system was 0.2 step or grack day for the entire much during peak how and temperature at entry point to distribution a month.  bidity samples of combined filter efficient were public did the combined filter efficient were public did the combined filter efficient were public did the combined filter efficient.	cately.)  makely.)  maker challing entire month, fly flow.  System met minimum monitoris  less than or equal to 0.3 NTU.  I this panelth.  Inch and and inchesial Ober had
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	LL CONSERVATION	FORM
Drinking Water and Gro	verment Monthly Water System Operation For Filtered Sorface Water System	ons Report
or the Month of Man	20 /7 WSID#5/36 Name of Water System	Albergh bollege

Total Water Production (in gallens) for the month. 2.528,300Total monthly Fluoride (mg/l) The credited volume (in gallors) for distribution before the first service (VD) 9600

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	69.5		1.83	,/0	18	.47	3/	56	2.4	16	29	40	96
3	68-6		1.77	.09	18	46	.25	53	25	st	धिष्ठ	41	97
4	70.4		1.38	0.7	17:	. 3-3	12	23	7.6	10	24	43	97
	670		1.82		45	· 112	11.8	-26	7-6	.11	25	35	97
8	77.0		1, 40	169	16.	.33	27	.38	7-5	10	20	42	9%
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25	100.	<del>}</del>	1.59	04	1.6	-69	93	.45	17.1	1_12_	47	47	1.97
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7	13.50	<del> </del>	1-75	13	18	.97	.40	ر ب	4-7	15	53	40	71
20	V	<del> </del>	1.62	1.15	118	-62	1.44	43	6.9	1/3	32	46	
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			3 17	- k!	1/3	34	30	.40	16.7	13	121	28	
1	122		222	38	1/8	-37	32	-4/3	1 9	13	35	133	95
			1/9)	10	1/8	65	78	44		13	40	22	95
			1777	.08	1 13		32	-7/	4.7	13	37	4/4	77.7
			1.38	108	11	-56	22	1.22	6-8	1/3	134	173	97
- <u>-</u>		<del></del>	1.33	1528	15	143	85	191	6 8	1-17	122	44	1 92
28			1/23	100	19	73	41.	91	6.7	1 13	45	173	44
30	_		2/2	10	18	5.3	3)	. \$7	6.6	1-73	132	194	1 38
3		/ <del>  \/</del>	3.30	109	1.78	1 29	1:37	86	4.6	1/3	<del>1 ///</del>	40	

I certify, as the Authorized Representations of this varies system, their I have complained this term, or reviewed it if complained by excites, and that I have taken the necessary slape to excure that the information shows is consist. In making this certification, I waterstand their civil and or criminal parallels may be impoped the submitted take information. Received

Specime

\*\*Authorized Representative\* moons the owner, on op president elected official, or other person with general many metabolisms responsibilities for a water system

\*\*Reference estimated the person with general many metabolisms estimated the person with general many metabolisms are estimated to the person with general many metabolisms for a water system.

JUN 1 3 2017

Drinking Water and Ground

I. Disinfection Departing Stepsis country  1. Stepsis the date and dumina of each period when	the residual dishifectors correst	ration of water entering
the distribution foll below 0.2 mg/l and when the s	late was notified of the occurren	os (provide detail
yes No. Was the doublion longer than 4 hours?	NOTE	
<ol> <li>Number of Instances where the residual distributes.</li> </ol>	of concentration was measured to	n the distribution system
Me 111 (1111)	ne .	.
II. Turbidity Reporting Requirements:		
1. Demoker of monthly testicity moneurosants taken	for continued (Marcel waters	<del>-</del> . ,
Miles in communical ancescend or march because	Marke 1856 Committee Co	17/1 your
<ol><li>The number and percentage of combined filtered.</li></ol>	water turbidity massurements to	ten during the month
which are:		9
8. Less than or equal to this target bublishy gold	elices specified below: 29	95
(If monitor coellemonsly, enter percent on	(v)	, ,
Market Control Lond (STO) Toget Relieby	Military (NTU)	
Commissed or Direct Stitution 0.2 >1.0	Topog - Finished Water (NIU)	
Signal Filtricon 1.0 >0.5 to 1.0	7876 Reduction	. 11
	क्षेत्र सम्बद्धान के बाद स्कूर्त्य के <del>स्वाद विभाग</del> ते सुन्ते	ma (togs. Slow Sand Filters)
3. The date and value of any turbidity readings duri	on the month which exceed 1 #3	U in combined filtered
water. (provide details separately)		
III. Transment Operating Status; Removel/Innetfunts	<del></del>	
YES IN NO Did the water system consistently actions 99.9%	(3 too) regress) and/or ineclinal	ion of Gizedia Lambilia
cysis and 99.99% (4 log) resumed and/or lending	ution of wheres for this exporting	mosti?
Files account to the only if the water and an analy it	a CT state and income and daily divide	n neatr housely fines and
turbidity is less than Maximum Continuous Leyel in	95% of the turbilly wassarest	(ga payan') Mga payan')
		• • • •
IV. Compliance flators: (If no is indicated for any of the following states	and the state of t	•
YES [2] NO. 1. Desirement residual entering the distribution	and the second of the second of	
	sustan was 0.2 oraf or greater (	hrieg entire month.
YES NO. L. The "CT" goal was met each day for the entire	e month during pesik hourly flow.	·
YES 19 NO. 3. Disinfectorit residual, pH and itemperature at	e month during pesik hourly flow.	·
YES 1901 3, Uninfectant residual, pH and temperature at requirements during eather month.	e month during peak bourly flow entry polot to distribution system	net minimum monitoring
YES 2 NO. 3. Objectant residual, pH and temperature at requirements during entire month.  YES 7 NO. 4. Greater than 95% of but bitly samples of control of No. 5. At no time during the month did the combine	e month during peak houty flow. entry point to distribution system thred liber efficient were less the differ efficient expand 1.0 MW.	met minimum monitoring on or equal to 0.3 NTU.
YES 2 NO. 3. Objectant residual, pH and temperature at requirements during entire month.  YES 7 NO. 4. Greater than 95% of but bitly samples of control of No. 5. At no time during the month did the combine	e month during peak houty flow. entry point to distribution system thred liber efficient were less the differ efficient earned 1.0 MW, and liber efficient were used this s	met minimum monitoring on or equal to 0.3 NTU.
YES 3. Disinfectant residual, pH and temperature at requirements during earlier month.  YES 7. NO. 4. Greater than 95% of buildity samples of control of the combine of the	e month during peak houty flow, entry point to distribution system thred liber efficient were less the differ efficient exceed 1.0 MW, and liber efficient were used this a distribut other waste mat, and mis-	met minimum monitoring on or equal to 0.3 NTU. math.
YES 3. Disinfectant residual, pH and temperature at requirements during earlier month.  YES 7. NO. 4. Greater than 95% of barbidy samples of control of the combine of the	e month during peak houty flow, entry point to distribution system thred liber efficient were less the differ efficient exceed 1.0 MW, and liber efficient were used this a distribut other waste mat, and mis-	met minimum monitoring on or equal to 0.3 NTU. math.
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JUN 1 3 2017



Drinking Water and Groundwater Protection Division

#### Versions Monthly Water System Operations Report. For Fibered Surface Water Systems

For the Month of April 20/2 WSID# 5/36 Name of Water System Alburgh Villiage
TOWN/Clby A/Barily Operator Home Jason Branky Phone: 802-702-1652
Total Water Production (in gallons) for the month
The contributive serious (in rations) for distribution before the first contra (MI) 7606

Day	10		· · ·	(mail)		Pada Tra	die		pa T		ថ	UM CHEMENTS	
	Scarbiction (Method Street	Han, (C)	(uchab)	Charles (Named (April 1985)					Parket or a	The state of the last	<del>Salare</del>	-	
<b>1</b>	863	145	220	.09	.13	56	.51	47	8.3	4	34	55	92
2	793		149	105	18	.51.	44	57	3.3	4	31	59	92
3	75-5		147	.09	/8	35	41	84	8.3	5	36	51	53
4.	86.0		130	:09	18	. <b>5</b> 5	48	59	8.3	7	34	51	94
*	98.4		1-47	10	.14	.54	50	-64	8.3	5	33	54	93
6	524		4.42	14	18	159	_ <b>.</b> 5 \	56	4.3	6	36	49	93
7	76.1		4.16	1/0	1/4	.65	148	164	33	5	34	35	73
	68.1	<u> </u>	4.83	-08	-/3	76	44	-67	21	7	47	48	73
•	80.9		5 16	.09	.18	128	:41	.46	9.1	5	49	38	92
10	67.3	<u> </u>	900	. حن لا	.18	.87	-32	-58	8.0	.7	55	38	19Y
11	93.3		8.43	709	17	76	1:4:	65	12.5	8	47	35	94
13	87.1	<u>````\\</u>	819	09.	118	-92	-52	-68	7.5	8	57	23	74
Ħ	66 3		8-23	-08	18	37	r62	-7/	7.4	8	55	31	91
×	68.3	<b></b>	7,00	.09	/%	1.76	139	48	7.6	-	47	122	9/
T.	Ra-1		1.08	09	18	.56	104	,50	7.7	9	134	37	91
24	86.5		1.96	.07	1.7	-74	,66	.49	7.7	8	45	34	89
	72.7		200	CU 8	1/8	1.79	-72	₹.3	27	1.8	44	127	-9c
坦	73.8		2.43	.47	1/8	757/	.20	. 48	7.9	8	56	36	7/
10	625		2.74	03	10	1.89	23	. 38.	7.2	9	5.5	37	7.
20	64.3		7.95	109	1/2	1623	.40	.43	7.8	10.	63	38	37
2	67.4	<del> </del>	2/8	107	1/8	1-812	42	142	7.8	9	175	35	
Δ	730		2.16	v29_	.18	. 23		32	7.1	10	1 53	45	70
2)	77.4		3.88	28.	18	-70	.4/	1,50	<i>7</i> :7	18	43	32	89
<u> </u>	13 %	<del></del>	247	1.628	-18	r=36	.44	1.44	7.6	9.	53	33	9/
=		1 200	285	.08	1/9	~ 8'A	-29	1.47	7-9	9	53	78	\$9
24	7	<b></b>	4.55 %	.09.	1./4	500	-5/	,43	7.7	115	40	36	39
27	75 11 2	<del>                                     </del>	2.27	ون.	1/5	.42	. 86	32	2.2	10	53	37	8.8
20	100.7		3.99	10	1/8	165	-57	-5/	7-5	12_	40	27	76
25	7,-0	<del>                                     </del>	8.5%	1/2	1.15	162	- 36	52	7.3	1/	47	36	96
30	1251	LV:	1.76	1/0	118	-51	,3A	,53	22	$\perp \!\!\! \perp \!\!\! \perp \!\!\! \perp \!\!\! \perp$	131	74	19

I couldy, so the Authorized Representative\* of this value system, that I have completed this firm, or restaued it if completed by another, and that I have taken the necessary steps to excure that the information shown is correct. In solding this continuities, I understand that did and or criminal paraliges may be imposed for extending false follows:

ABeli 5-9-17

Joseph Bourke

"Authorizad Representative" means the owner, co-up president, elected official, or other person with general management, threatal, operational enterior responsibilities for a water spiling.

Received

MAY 0 9 2017

	historian communication of water enterior
<ol> <li>Record the date and duration of each period when the residual di the distribution fell below 0.2 urg/l and when the state was solili.</li> </ol>	ed of the nonmarks forwards detail
scnembsky)	
(ES [] NO[] Vites the depatton longer than 4 hours?	3
2. Number of instances where the residual disinfectors concentration	an more programmed to the effect of the other ot
Burner and Allaham bank	at these statement or one operational shorests
None	
I. Turbidity Reporting Requirements:	
1. Humber of country turbidity measurements taken for combined	Object water:
Notes If continuously monitoring turbidity please trainage here	Contrations.
2. The number and percentage of combined filtered water turbidly	measurements taken during the month
	. —
which are:  A. Less then or equal to the Meximum Contentions Level speci	fied below: // ,94
17 (1992 comp on delatili do rise resiliar consumal Companies Stratutes	1500er: <u>// / 7</u> %
(If monitor continuously, enter percent only)	
The Market (MIN)	
Onevenium of Direct Filtration 0.3 >1.0 <0.3	· •
Sing Smill Brains 1.4 24.5 to 1.0 795 Relation	
Note: Three to hilly ranges do not of	ply to some fallowed species (in g. Show Small Filters)
<ol><li>The date and value of any turbidly readings during the month;</li></ol>	which covered 1 STM in combined filtered
water (provide details squarely)	Control of the same of the sam
•	
III. Treatment Operating Status: Resount/Inschingtions	
VES [] NO[] Did the water system consistently actions 99.9% (3 log) remove open and/or tractivetion of viruses	in the most or anoth?
Close mer man se ( 1 mill sermen makes americanities or determine	and the series of the series o
(The ensurer is yes only if the water system made the CT disinfection	
turbidity is less then Plantourn Contaminant Level in 95% of the tur	ikily nestaements takou)
The second states of the second states and the second states are second states as the second states are second states are second states as the second states are s	
IV. Compliance Status: (If no is substant for any of the following statements, provide:	olohall amanakalır i
YES MO 1. Distribution residual entering the distribution system was 0.	2 sayi or granier during entire munits.
YES [] NO[] 2. The "CT" good was meet each day for the collect month during	peak bourly flow.
YES NO. 3. Disinfectant residual, pil and temperature at entry point to d	Estribution system met minimum monitoring
requirements thring entire month.	Land word has they be sound to 0.3 MILL
YES MO 4. Greater than 95% of buildity samples of combined filter eff YES MO 5. At no time during the month did the combined filter efficient	NUCLE WORD COST COST OF CAME OF U.S 1910.
[CON] LEVE 1 It let in the control of the control o	Contract tree at Area
VES M NOT 6. Minimum qualitating regularments for combined filter efficiency	nt wate and the profile.
YES 7 NO. 6. Minkows maniforing requirements for combined filter effluer YES 7. Plinterum monitoring requirements for each training elements.	nese met, and no lightedual filter had
YES 7 NO. 6. Minkows munitaring requirements for combined filter effluer YES 7. Minkows monitoring requirements for each individual filter to turbidity greater than 1.0 MTU in any two consecutive 3.5 min	nese met, and no lightedual filter had
YES 17 NOT 7. Minimum months in requirements for each hybridual filter v	nese met, and no lightedual filter had
YES 17 NOT 7. Minimum months in requirements for each hybridual filter v	west met, and no fightidual filter had suite periods during the calife month.
YES 7. NO. 7. Whitecast monitoring requirements for each individual filter to turbidity greater than 1.0 NTU in any two consecutive 15 min  Flamos subtaint this form will bin 10 days after the card of	were met, and no highlicial liker had make periods during the calife month.
YES 7. Philipped monitoring requirements for each individual filter to turbidity greater than 1.0 NTU in any two consecutive 35 miles.  # Pleases subtant this form will bin 10 days after the each of the first deathfore societies) and mining substantial information are to the substantial substa	west met, and no highlidizat filter had make periods during the calife month.  The meath to the following address.
YES 7. NO. 7. Whitecast monitoring requirements for each individual filter to turbidity greater than 1.0 MTU in any two consecutive 15 min  Flames subtain this form will bin 10 days after the each of	west met, and my highlidical filter had make periods chaing the entire month.  The meath to the difference address.  The meath to the difference For
YES 7. Plinks an anothering requirements for each individual filter to turbidity greater than 1.0 NTU in any two consecutive 15 miles Planca ambunit this form within 10 days after the and of the (fact char) turk polication) and mining an improvemental information are as individual with a through the Vennant Homeonics at himselformation and himselformation are as himselformation with an through the Vennant Homeonics at himselformation are as himselformation and an individual filter to the analysis of the individual and an individ	white ment is not be distincted in the month.  The ment's to the distincting eddress.  The ment's to the distincting eddress.
YES 7. Planta motificing requirements for each individual filter to turbidity greater than 1.0 MTU in any two consecutive 15 miles planta militarity from within 10 days after the card of the (fact chart/fore/opticities) and calculate material information are as in the chart with a through the Veneza Homeophy at himselfor ere as himselfor with a through the Veneza Homeophy at himselfor ere as himselfor with a through the Veneza Homeophy at himselfor ere as himselfor with a through the lates of t	west met, and my highlidual filter had note periods during the entire month.  This ment's to the following eddress while electrology via the interest. For
YES 7. Planta motificing requirements for each individual filter to turbidity greater than 1.0 MTU in any two consecutive 15 miles from mathin 10 days after the card of the (fact short/form/speciation) and calcius anatomy at the card of the filter with us through the Vennet Homeon at him/severy and him form the Consecutive at the Consecutive of the Consecutive and Consecutive Protection C. National Unitation, 11th Later, 11th, 2" Floor National Unitation, 11th Later, 11th, 2" Floor	west met, and my highlidual filter had note periods during the entire month.  This ment's to the following eddress while electrology via the interest. For
YES 7. Plinterant motificing requirements for each individual filter to turbidity greater than 1.0 NTU in any two consecutive 15 miles form within 10 days after the each of the (inci charl/hom/opplication) and calculate environmental information ere as information with as through the Vermant Homeophy at http://www.essistabilinkonverta.com/Drinting White and Graindaujer Protection (1. National Life Indiv. Parks 27 Floor Mortpeller, VT 02890-2221 Tell free 1400-623-6500 Cast of State 1-802-241-3400	west met, and my highlidual filter had note periods during the entire month.  This ment's to the following eddress while electrology via the interest. For
YES 7. Plinterest monitoring requirements for each individual filter r turbidity greater than 1.0 MTU in any two consecutive 15 mile  Planta exhibit this form will be 10 days after the cond of  This (fact short/form/spplication) and coloid enformmental information are as  Edinantian will us through the Vennat Homeope at him formation as through the Vennat Homeope at him formation of  Debring Wither and Graindenter Production C  1 National USe Date, 2 <sup>rd</sup> Floor  Northwest 1-900-022-0000	west met, and my highlidual filter had note periods during the entire month.  This ment's to the following eddress while electrology via the interest. For
YES 7. Plinterant motificing requirements for each individual filter to turbidity greater than 1.0 NTU in any two consecutive 15 miles form within 10 days after the each of the (inci charl/hom/opplication) and calculate environmental information ere as information with as through the Vermant Homeophy at http://www.essistabilinkonverta.com/Drinting White and Graindaujer Protection (1. National Life Indiv. Parks 27 Floor Mortpeller, VT 02890-2221 Tell free 1400-623-6500 Cast of State 1-802-241-3400	white ments in the following eddress white decreases white the interest of the colors and the colors and the colors and the colors and the colors are and the colors and the colors are an are are an are an are are an are an are an are are an are are an are are an are an are are an are are an are are are an are are an are are an are are an are are are are an are
YES 7. Plinterant motificing requirements for each individual filter to turbidity greater than 1.0 NTU in any two consecutive 15 miles form within 10 days after the end of the (individual film) and collider and engagemental information ere as information with as through the Vermant Homeophy at http://www.secutioniston.com/  Drinting Whiter and Grandwiser Protection if 1 National Lie Drive, Vide, 2" Floor National Lie Drive, Vide, 2" Floor Part of the 1400-823-6500 Cast of State 1-802-241-3400	white ment and my fighted all ther had make periods during the entire month.  This manth to the following address while detroises, we the intimat. For the colors or sist ONEFO during at
YES 7. Philipsent modificing requirements for each individual filter to turbidity greater than 1.0 NTU in any two consecutive 15 miles from within 10 days after the each of the (fact char) form/application) and which are accounted information ere as information with as though the Vennat Homeophy at http://www.sessis.bin/sessis.com/application/ Driving Whiter and Graindaujar Protection C 1 National Laboratory Protection C 1 National	white ment and my fight dust filter had make periods during the entire month.  This manth to the following address while detroited with intenst. For subserver with DMSPD directly sk.

MAY 09 2017

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VEK!	MUN1	
NYIRONMENTAL COL	SERVATION	FORM
nking Water and Groundwate Verrme	r Protection Division 5736 nt: Monthly Water System Open	; rations Report
	For Filtered Surface Water Sy	
<b>a4</b> (	1	and L. I. D.

For the Month of March 2017 VISID# 5/36 Name of Water System Hibary h Village Operator Home Joso i Beautine Phone: 782-1652

Total Water Production (in gallons) for the month. 2838, 600 \_\_ Total monthly Fluoride (mg/i)

lha (	ne credited volume (in gallons) for distribution before the first service (VO) 9000												
				PATE !		Daile Co	icigos Life	Section Consults	ja .	Research 100	<b>t</b>		CHOIL TESACE
	Personal Per	Part Hardy	(time)	(hily ag.)			Garage Ga Garage Ga Garage Garage Garage Garage Garage Garage Garage Garage Garage Ga Ga Garage Garage Garage Garage Ga Ga Garage Garage Ga Ga Ga Ga Ga Ga Ga Ga Ga Ga Ga Ga Ga		Pandage and	Telebolomy, Dally	(mag)-¢	, , , , , , , , , , , , , , , , , , ,	
1	72-5	145	1.50	158	-18	.57	39	.73	8-6	6	35	70.2	41
2	75.2		.97	108	.18	.61.	-31	-74	.3.6	6	37	692	92
3	73.3		2.70	.08	1/8	161	29	-72	8.6	6	37	70.2	36
•	18.8		2.50	,08	./8	.98	.46	64	8-6	6	60	73.2	95
	106,2		2.65	10.	1/6	161	.26	.62	8.5	- 5	:37	64.2	72.
8	79.5		1-87	,11	18	.60	,37	.68	8.6	14	37	52.2	91
٦,	75.4		1.78	.11	,18	,65	.44	.47	9-6	6	40	56.2	72
. 4	71.1		1.72	10	.78	.69	.33	.67	8-5	6	42	55-2	73
9	93-0		1.61	10	./8.	.63	:60	.65	9.4	6	77	65.2	43
25	93.0		1.47	,07	1/2	64.	.93	-71	8-5	6	37	222	88
_ <u>=</u>	74.0		1.22	.09	.18	63	95	-67	8.5	6	39	15.2	99.
12	83.4	),	1-29	.09	16	,67	72	-62	4.5	5	41	722	BY
13	73.3		1.13	-09	.18	164	194	55	8.5	6	39	64.2	87
149	70.2		2.00	-09	1/8	-59	-92	.52	8-5	6	36	63.2	87
12	80,6.		1.62	09	.18	.64	294	-54	8-4	5	19	67.2	38
16	105.0		1.28	-09	1.18"	.53	.89	7/	8.5	1.4	32	55.2	88
77	64.1	. E	1.62	-09	+18	r 51	1-17	.62	8-5	3	37	60,2	70
445	68.3	. , ,	1.30	.09	.18	- 57	- 83	6%	8.5	6	35	61.2	70
259	1/3 3		1.11	w.	118	- 35	,69	-61	8.5	4	134	67.2	70
36	76.2		1-74	-09	18	.33	1.77	33	8-5	4	143	63.2	84
23	647	1 1"	:74	.09	16	.61	1-62	-63	8, 5	6	1.37	622	78
2	77.2		.88	-CX	19	-62.	~52	142	6.5	6	38	63.2	90
23	142.6		1.68	.08	.18	-57	.45	-63	8:5	4	35	622	99
24	63.6		1-58	.08	.18	1.57	-31	160	8-3	4	36	4.2	89
	76.4	\$ P.	1.42	.08	./8	64	-51	-68	8-5	5	39	61.2	88
-	78.1		1.27	-08	19	.62	-7/	7/	8.5	.5	30	61-2	88
27	70.1		1.17	.08	.18	1.66	69	.60	8-5	6	40	62.2	87
20	72.9		.81	.07	18	160	-84	. 30	8.5	6	37	61.2	88
20	73.0		1.62	.09	.18	, 33	-76	.58	8-5	4	32	61.2	30
30	78.7		1.84	109	119	.58	.30	-67	8.5	5	35	61.2	89
	69.0		1271	.09	1.78	1.58	-53	-65	800	3	25	64 Z	39

I certify, so the Authorized Representative? of this water system, that I have completed this force, or resident it if completed by emoties, and that I have taken the recessory steps to examplify the information shown is correct. In employing this certification, I understand that the taken and or criminal penalties may be imposed for exhaulting faint information.

4-10-17

Beaulan

Received "Authorized Representative" course the corner, co-op president, elected official, or other present with garwel ou molybration responsibilities for a water system

APR 10 2017

i	Distrifu	this principal principa	يواران	•					_
	1.	Record the date and dustin	it at each	) benjog अंग्रह्म स्	residual dishalers	ant cond	entration of w	ater entr	
		the distribution fell below ().	2 <b>40</b> 5 2	भा अंक्षित प्राप्त होन	is wer complet of t		auce (browgs	detail	
	***	sconcensly)			. ·	٠.		` ,``	
sЩ	MOL	Was the duration larger t	wa 4 ho	mes.	None	2000	1		
	•			,		, .			
	2.	Chamber of instances where	the resid	brai disinfectari	concentration was	incapale	ri in the distri	ustion sy	sten)
		but not detected,					•	_	
			••		None		•		•
	·	ily Reporting Requireme	حطم		1.	•			
	1 diame	(tember of monthly untitle	i Pian- La Chiatalaccia				اسم		
	4.,	Hope is constituted as and		Artendario establista et	A CHIMMING MARKET	. — — — — — — — — — — — — — — — — — — —	- CO17.	Macou	
		MANUEL TO COMPANISHED STATE	manual o	nistad facilities			, ' '		-
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	Z	The pumber and percentag	is or cour	mises incles N	No proper bear	1-1-1	CENTRAL CONTROL	CHE DION	
		which are:				. 90	9		
	•	A. Less than or equal to t	he punin	Allia Cottemplan	¢ feres ebecareo os	2.2	- <del> </del>		
		D' NEEDERAL CALCULUS NO O	in my	خصية قدعنده	First Officialism nestra	r <u>77</u> ,	<u></u>		
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٠.	} 1	Column Continues Land (CCC)	1	Tanget Bathirly Car	delines (ACU) Threet—Wellink Water	ATTEN			٠,-
	1.	Descriptional of Discret Pilesting 0.3	1 1	>1.0	40.3	DIAME.			`, \ <u>.</u> -
		Sper Smed Pillerian 1.0	1 1	>0.3 to 1.0	70% Reduction				
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			3	Note: They note: It	A militar do not militar po se	الدبيبية عم	gricus (i.g. Show)	Janet Filters	<b>&gt;</b> ).
٠	_		A 4.3.1m		** ***				
	3.	The date and value of any	<b>minim</b>	seasonite angé	्रें सिद्ध साध्यक्षित्रं स्थानका ६	HOCOL I	wir water	ter) Last	<b>12</b> (1)
ı	•	veder. (provide details sep	arately)		•				į
Ŀ.	Trent	ment Operating Status: 1	بوبرمسجا	<b>√Inechestic</b> n	<b>:</b>		•		
\$ 🛱	) NOT	Did the water system con	débedőv t	Militare 99.9%	tins known fool E	für imeti	wittin of Gire	غيما ط	<b>S</b>
- 7		cycle and 99.99% (4 log)	removal s	andior lanctical	on of violets for th	is remark!	no month?		. 11
	•								
•		den In som ovels Makes			Ottober 1 mail 2000 annon	بالد مظلمات ا			
		the answer is yes only if the							<b>CHRIT</b>
	, t	ribility is less than Mardanas			7% of the turbing	4 1	(برهبيم عرنهب		
		•						•	
	Com	Marice Status:			,			i.	
		(If no is indicated for any	of the fa	وسايناه فالبدئ	ote, namete detail i	أماحتون	(x)	<i>i</i>	,,
<b>s</b> D	OM D		abelia it	e distribution o	ctors was 6.7 mmfl	er encol	er datia enti	e month	_
	7	2. The "CT" goal was no		of the thin emilion	mouth chairm famile	turen fi			٠.
		3. Disinfectant residual, p	Al and the		tivitari tarindi bitari	diam rade	uren man mandi estilake	-	
35 ()					nà houst as desires	TANK SAME	COUNTED THE ST	<del>irani</del> ttarii	Mr and
		requirements during en						1	
s (	30M [S	4. Greater than 95% of t	urbidity s	emples of comb	ined filter efficient v	وجمأ يتارب	then or copie	# C.3 W	TV.
≃S   Î	PI MO	3 S. At no three during the u	month die	the continue	film efficient excer	d 1.0 mt	V		
\$ \$		6. Minimum monitorino n		nie for combine	d Piles with cost war	e met thi	s consulta.		
	3	7. Maines mortaing a		ale fin mark to	والمراجعين أوالانا		or Stille Shoul S	اسا سد	•
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APR 10 2017



Drinking Water and Groundwater Protection Division

#### Vermont Monthly Water System Operations Report For Filtered Surface Water Systems

For the Month of February 20 1 7 WSID# 5136 Name of Water System Alburch Village
- H/Land
Total Water Production (in gallons) for the month. 2,364,500 Total monthly Fluoride (mg/i)
The credited volume (in definite) for disinfection before the first contra (VO)

Cary		Marker Production (Channel		Tulbiny GLY11.)		Thánh (se)		Filosofida Orașe D	p# .	Tiomp. I(C)	ar	is the same of the	The (Ne)
	(Colorium (Colory/Cor)	(Calculations)	(CERT INCY)	Cardinal Piteral Cardy and S	Telephone Planes (Auty 1996)	Print (Livens, Dryklask)	Constant (constant)	(Makes) (Makes) (Aspirital)	Propher page	Richard Ing. Unity	(valgac		
1	36.4	143	92	,08	18	.74	140	,40	8-6	6	45	73	97
2	91.6		.74	08	1/6	×76	-53	796	8-6	5	40	73	96
3	325		.87	10	.18	,70	26	,42	8.0	3	43	7	97
4	70.6		428	ill	118	73	32	23	8.7	4	45	70	27
5	943		1.12	,04	118	.55	39	1.04	9.7	5	34	70	95.
6	729		-96	.09	178	.70	35	.89	8.6	4	43	69	73
7	66.5		100	100	1/8	265	4/7	.87	3.5	5	40	70	92
	67.1	<u> </u>	1.04	152	مان.	-62	-49	-94	8.6	10	38	69	76
9	12.0	<del>                                     </del>	12.12	,08	1/0	263	42	-47	8-6	6	39	67	96
15	100.9	<del>                                     </del>	1.14	.08	./8	165	37	1-87	8-6	5	40	68	96
u .	64.9		1.33	108	13	-69	29	-84	4.6	6	42	60	95
12	75-5	<del>                                     </del>	1.09	08	18	-57	-50	138	8.6	6	.35	70	20
73	67.4		1.02	08	1/8	166	-37	60	7-3	6	40	65	97
14	97.0	<u> </u>	1,04	108	1/8	67	.44	.8/	6.7	5	41	65	91
11	108.57		1-10	-08	118	<u> </u>	45	1.05	6-7	4	34	164	1 20
15	82.2		1.58	08	18	-61	-87	.98	62	5	37	65	98
27	104,0	<u> </u>	1.19	רט,	18	-68	.54	.83	6.7	6	42	67	92
18	1056	ļ.,	1.08	7007	118	57	149	.67	167	<u></u>	35	65	76
19	74.5	<del>                                     </del>	1.90	1.67	18	1.67	-27	-94	12.2	14	41	166	76
Ħ	77.4	<u> </u>	.79	رص	13	.69	:62	.93	8.6	4	42	66	96
21	133.1		1.18	107	18	-59	-64	-91	8.6	4	36	65	70
Z	66.9		2.73	_ 25.	118	" >c/	. 53	・ウン	18-6	4	33	64	95
23	66-9		2.52	107	e!!	-55	~56	-8/	8.6	1.4	34	64	73
14	38-		1.07	.09	1/8	-56	-32	.7/.	8.6	<u> </u>	34	164	75
Z	2.25		.97	-09	1.18	.58	37	77	9.5	4	35	65	95
26	<u> </u>		.81	127	118	62.0	.32	79	100	<u></u>	122	65	35
Ų			1.94	1 107	1/8	100	.4/	72	18.5	6	34	65	96
25	1		1.62	-08	.18	157	.36	-67	8.5	5	35	72	93
3		<del></del>		<u></u>	—-		<u> </u>					1	
30			<b></b>										
31				<u> </u>							Щ.		

I certify, as the Authorized Representative\* of this water system, that I have completed this form, or reviewed it if completed by enother, and that I have taken the recessory steps to ensure that the information shown is correct. In making this certification, I understand that civil and or criminal penalties may be imposed for submitting false information.

September 3-9-17 Ferrer Beary lac

"Authorized Representative" means the course, co-op president, elected official, or other person with general management, financial, operational and malatenance responsibilities for a water system

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### ENVIRONMENTAL CONSERVATION

The credited volume (in galians) for disinfection before the first service (VO)

Drinking Water and Groundwater Protection Division Vermont Monthly Water System Operations Report

For Filtered Surface Water Systems

For the Month of January	20_17 WSID# 5/36 Name of Water 9	System Albany hove lage
Town/City Alburg	Operator Name Jayon Beaufas	Phone: 282-1652
Total Water Production (in callon		Total monthly Fluoride (mg/l)

TORKEY. lag. (31) White Projects Observed المنطأ فود Pilonisi Calle (Abb.) (VOID) Contributions Tail k gul) 79 92 143 29 012 400 48.5 07 ŧ 97 48-1 85 18 LO7. 7. 1 6 66 8/2-5 2 7ن  $\mathcal{V}$ 543 29 48 4812 タソ 83 78 د در 10 -76 1.26 37 08 שטהא ኃ 8 5 40.1 1.30 39.9 524 PT 18 96 4 1007 7. 8 40 1.84 19 63 83 42.5 96 07 430 4 600 1.09 78 ,03 4/2/0 95 Low 7 647 34 5 たじス 56.7 1.64 رح タフ ጋ. ሃ J 43.5 76 417 415 1-68 99 7.4 66 40,5 93 W-2 *2*7 18 רפו 1.06 5 144 29 18 53. S ٦٣٦ 109 91 320 19 97 **ルフタ** 9 22 15 -88 63 6 ריים הא 66 95-3 89 89 166 8.2 55 47 17 7 بن پ CA 71<u>. 5</u> 17 43.7 55. 8 285 93 8,2 402 15 45 ø7 フス 09 55.9 5.40 50 14 19 81 43 85 8/2 40,0 1.32 10 11116 56.0 18 <u> 52</u> *8*43 18 " 29 ·88 ,07 ,66 **会:3** 40 443 36 -78 820 167 42 **%**√3 94 ~07 16 69 っ 44 42 41.7 58.3 17 <u>442</u> 74 40.6 .16 .76 90 200 36-7 .66 1. 43 18 207 **7**4 45 66.7 1.47 .50 137 6-7 19 227 H 54/ 26 208 10 20 43 70 434 65 .48 47 98 63.9 ,08 18 68 42 426 Zi. 1.61 51 .52 16.4 22 07 13 .. 54 32 47.4 60 -60 *፮*ኇነ/ 6 22 08 17 タン .36 40 442 <u>N48</u> 62 4 78 91 321 3/ 8. Ь 40.9 134 17 .57 39 1045 64 69 4 53 O 20 40-9 : 11 **%**8 <u>W</u>8 9 43.5 39 8 65.7 18 .63 34 1,40 44 34.4 **\$**17 90 58-6 1.80 27 160 21 76

I certify, as the Authorized Representative\* of this water system, that I have completed this form, or reviewed it if complained by another, and that I have taken the necessary stage to ensure that the information shown is correct. In making this cartification, I understand that divil and or criminal pensities may be imposed for submitting felse information.

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Please Type or Print Name Senature Date

<sup>&</sup>quot;Authorized Representative" means the owner, co-op president, elected official, or other person with general management, financial, operational and maintenance responsibilities for a water system

<ol> <li>Distinsaction Reporting Requirements:</li> <li>Record the date and duration of each period when the residual districtions conce</li> </ol>	nivelion of water entering
the distribution fell below 0.2 mg/l and when the state was notified of the occurre acparately)  YES  NO Was the direction longer than 4 hours?	uce (brande cersu.
	Provide the State of the State
<ol> <li>Number of instances where the residual disinfectant concentration was measured but not detected.</li> </ol>	uu mis dizammou skansu
More More	
<ol> <li>Turbidity Reporting Requirements:</li> <li>itember of monthly turbidity measurements taken for combined filtered water:</li></ol>	ConMovas
<ol> <li>The number and percentage of combined filtered water turbidity measurements to which are:</li> </ol>	
A. Less then or equal to the Maximum Contaminant Level specified below: 97.  B. Less then or equal to the target turbidity guidelines specified below: 97.  (If monitor continuously, enter percent only)	<del>9.</del> % <del>9. %</del>
Manhama Continuent Land (NTU) Thought Harbiday Guidelines (NTU) Target — Franked Water (NTU)	. 1
Convenient of Direct Filtration 0.3 >1.0 <0.3   >0.5 to 1.0 70% Reduction	
40.5 Demonstrate affection occupations Note: These verbidity reages do not up by to some Eliteral sys	dame for a Street Stand Filmon
3. The date and value of any turbidity readings during the month which exceed 1 N water. (provide dotals separately)  (III. Treatment Operating Status: Removal/Inactivation:	ifU in combined filtered
YES [7] NO[7] Did the water system consistently actions 99.9% (3 log) removal and/or inactivation of visuses for this reporting	g month?
(The answer is yes only if the water system meets the CT disinfection goal deliy duri turbidity is less than Maximum Contembrant Level in 95% of the turbidity measurem	ng pesik nowny now, and ents taken.)
IV. Compliance Status:  (If no it indicated for any of the following statements, provide detail separately.  YES [3] NO[1] 2. Disinfection residual entering the distribution system was 0.2 mg/l or greater  YES [3] NO[1] 2. The "CT" goal was met each day for the entire month during peak hourly for  YES [3] NO[1] 3. Disinfection residual, pH and temperature at entry point to distribution system.	during enthe month. v.
requirements during entire month.  YES [2] NO[] 4. Greater than 95% of buildity samples of combined filter efficient were less to	han or equal to 0.3 NTU.
VES [7] NOT 5 At an time during the month did the combined filter officers entreed 1.0 NOT)	
YES NO 6. Minimum monitoring requirements for combined filter efficient were met this YES 7 NO 7. Minimum monitoring requirements for each individual filter were met, and re	individual filter had
turbidity greater than 1.0 MTU in any two consecutive 15 minute periods dust	ng the cotire month.
Please submit this form within 10 days after the end of the month to t	he following address
This (flect shoot/form/application) and related environmental information are equiphle electronically information with us through the Viermont Homepage at http://www.werrant.cov or Viet Duya	via the internal; For
PATOLITE AND THE CHARGE AND AND THE PARTY OF	Received
Orinday Water and Groundspiter Protection Division	
1 National Lie Drive, Phile, 2 <sup>rd</sup> Photo Managelies, VT 05520-9521	FEB 0 8 2017
Tell from 1-900-623-6500 Cut of State 1-802-261-3400	Drinking Water and Ground
Fire 1-802-838-1541	Water Protection Division
ž	· · · · · · · · · · · · · · · · · · ·
11/13/2012	2/2
Lag any service	

# **Appendix G – Phase 1 Categorical Exclusion**

# State of Vermont Agency of Natural Resources Department of Environmental Conservation Notice of Determination of Eligibility for Categorical Exclusion

South Alburgh Fire District #2 Water System, WSID #20964 Alburgh, VT Water System Improvements DWSRF Loan RF3-112

In accordance with Section VII of the Department's Environmental Review Procedures for projects funded through the Drinking Water State Revolving Fund (DWSRF) Program, the South Alburgh Fire Water System, located in the Town of Alburgh, VT has requested its proposed water improvement project be evaluated for eligibility for a categorical exclusion exempting the project from detailed environmental procedures required for projects having a significant environmental impact.

The project consists of a connection to the Alburgh Village Water System and the installation of nearly 5 miles of transmission and distribution main from the Village of Alburgh, along West Shore Road, and ending just shy of the Isle Lamotte Bridge (Phase I Improvements). The new waterline will pick-up residential users currently using untreated surface water.

Our consideration of South Alburgh FD #2's request included reviewing environmental information and documentation completed and submitted by their engineering consultant, Phelps Engineering, Inc. At the completion of this independent evaluation, the Department has determined the project meets the criteria for receiving a Categorical Exclusion. The project will correct water system deficiencies and does not meet any of the criteria resulting in denial of an exclusion.

Further information on the project and this determination are available for inspection by contacting the DWSRF Program at (802) 585-4905. In addition to the applicant, a copy of this determination will be sent to a list of stakeholders and posted on the Drinking Water and Groundwater Protection Division's website located at <a href="https://www.vermontdrinkingwater.org">www.vermontdrinkingwater.org</a>.

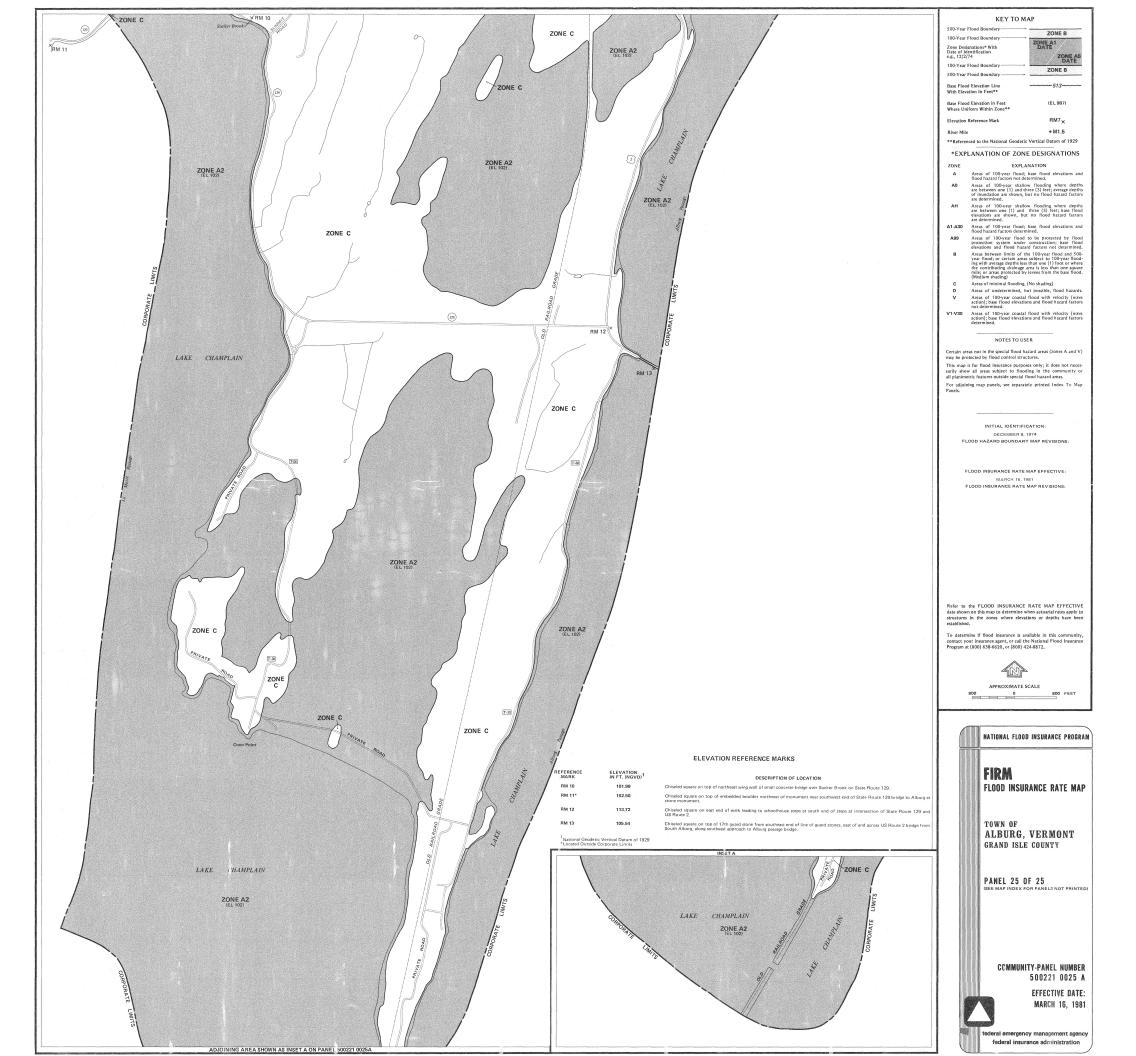
Agency of Natural Resources

David Mears, Commissioner

Department of Environmental Conservation

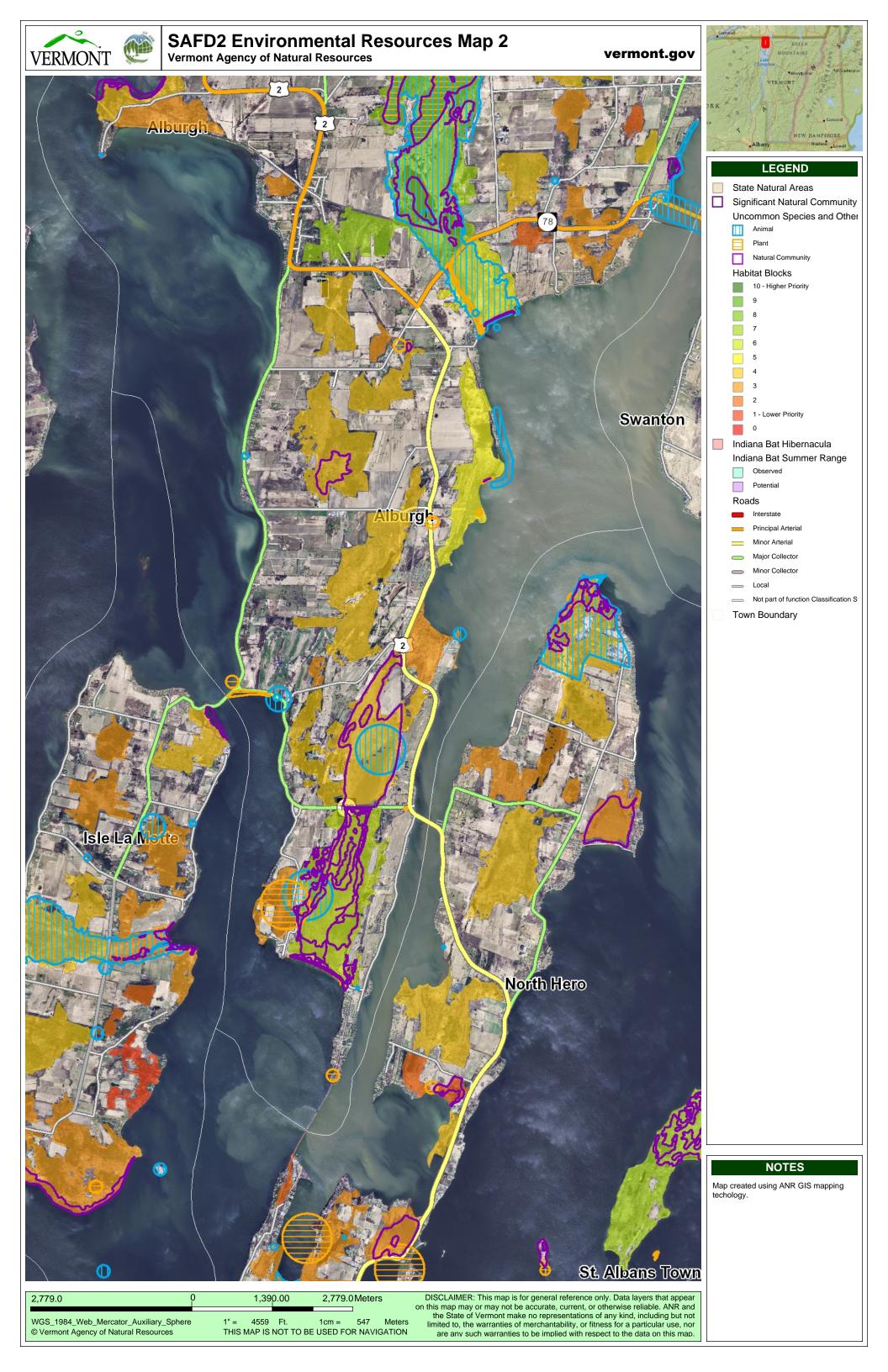
# Appendix H – Flood Maps

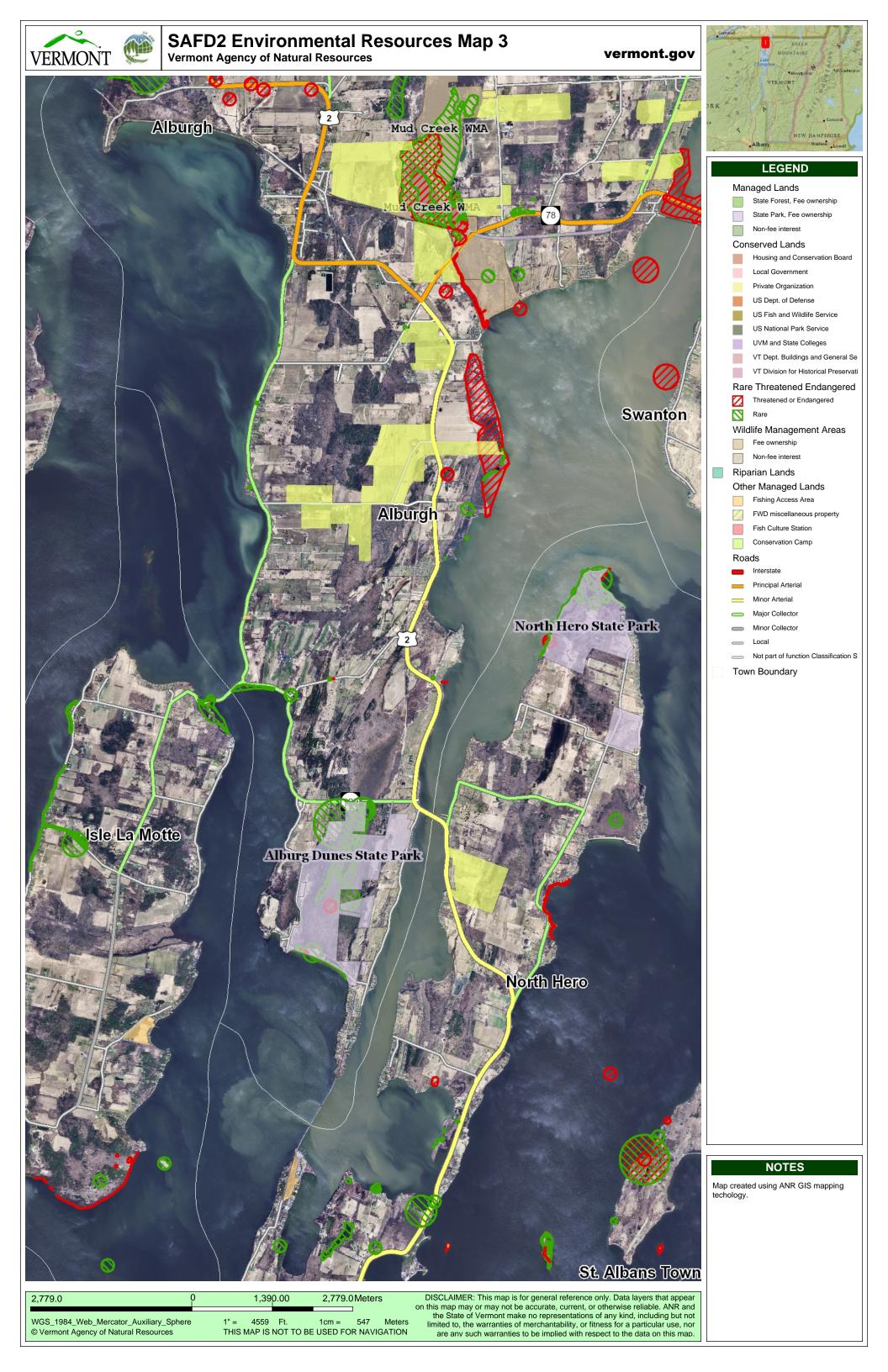


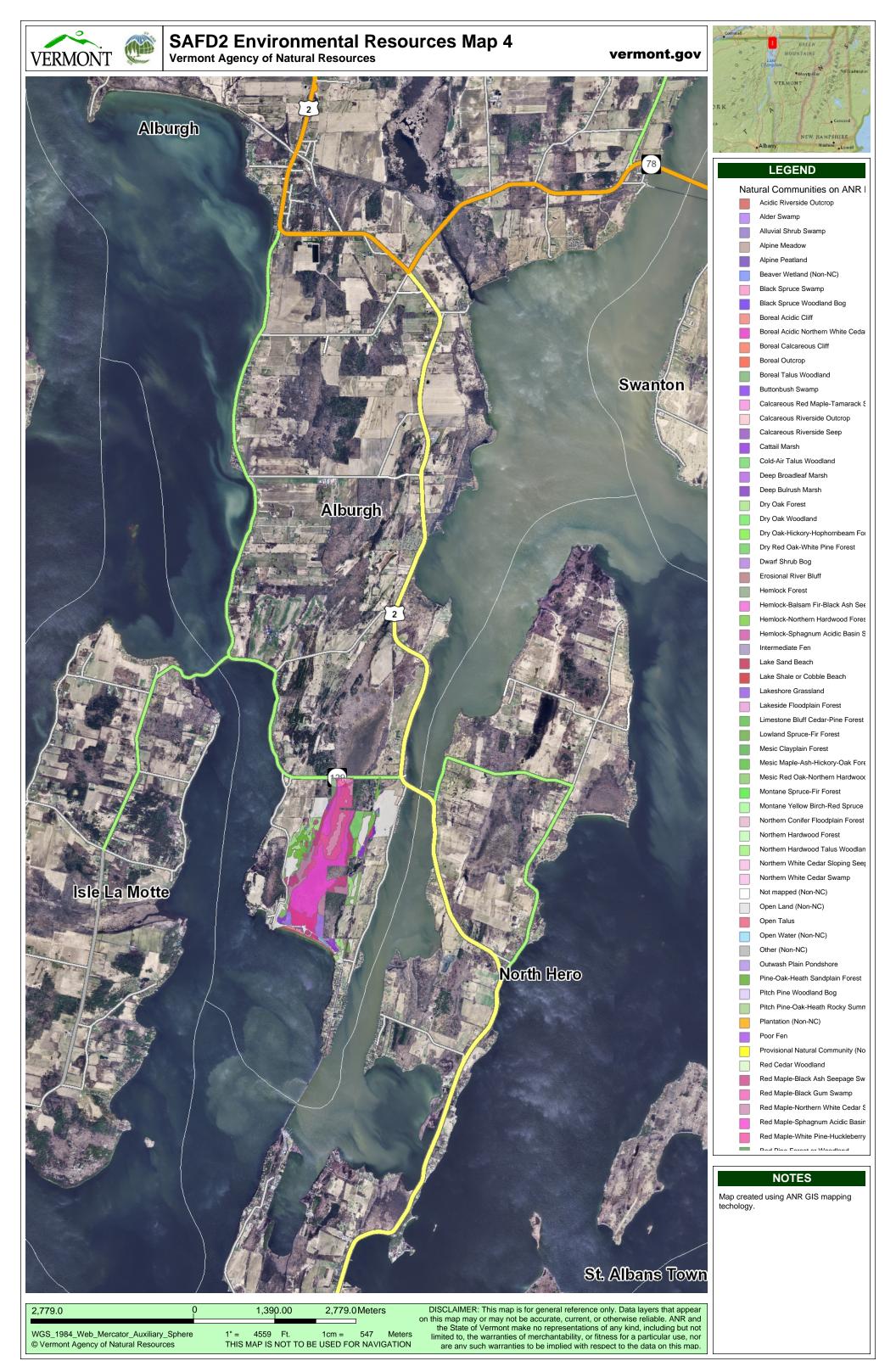


# Appendix I – ANR









### **Tables 1 - 5**

		Table 1	1			
Table 1 SAFD2 Phase 2 Basis of Design						
Design Criteria and Calculations without new water filter CRITERIA BASIS						
Alburgh Village Water Demands			BAGIO			
Existing Village ERU's Existing SAFD2 ERU's		432 ERU 62 ERU	Exisitng service connections in Village Existing service connections in SAFD2			
Average Daily Demand, gpd (existing)	94,195		Based on Alburgh Village Treatment Daily Readings from July and August 2017 per WSR 2.2.1.2 (a)			
Maximum Daily Demand, gpd (existing)	180,900	gallons	Based on 1 year of water system data 2017. December 23rd 2017 Per WSR 202.3.2			
Peaking Factor		1.92	Based on Alburgh Village Treatment Daily Readings and calculated ADD and MDD per WSR 2.2.3.2			
ADD Per ERU MDD per ERU			Per WSR 2.2.1.2 ADD adjusted upwards to 60 gal/day/person for each ERU as standard is family of four.  ADD times peaking factor			
Filter Capacity Time out of Production for Backwash	175 45	gpm Minutes				
Time out of production for Flushing Maximum Daily RunTime	90 1,305	minutes minutes				
Water Used for Backwash Water Used for Flushing	15,000 na	gallons	Estimated Raw Water is Used for Flushing			
Maximum Daily Water Production	213,375	gallons	Equals filter capacity (175 gpm) times maximum daily runtime less the water used for backwashing.			
Reamining Capacity based on peak day	32,475	gallons				
Alburgh Village Water Production Capacity Estimate of SAFD2 Current and Future Equivalent	Residential I	Units (ERUs)				
Present Day - first year		140 ERUs	Target connections for SAFD2 Phase 2			
SAFD2 Water Demands						
Average Daily Demand		240 gpd/ERU	Calculated Above			
Current Maximum Daily Demand		461 gpd/ERU	Calculated Above			
Average Daily Demand, gpd (existing first year)	33,600		Target ERUs to be connected by Unitized Demands			
Maximum Daily Demand, gpd (existing first year)	64,528		Target ERUs to be connected by Unitized Demands			
Instantaneous Peak Demand, gpm (future)	126		Based on 0.9 gpm/ERU. Instantaneous peak demands for the SAFD2 service area may be provided by the existing Alburgh Village System			
Alburgh Village and SAFD2 Water Use						
Alburgh Village MDD (Metered) SAFD2 MDD (Estimated)	180,900 64,528	gpd gpd				
Total Flow Maximum Daily Water Production	245,428 213,375	gpd gpd				
Spare Capacity	-32,053	gpd				

		Table 2	2		
SAFD2 Phase 2 Basis of Design Design Criteria and Calculations with new water filter					
CRITERIA	BASIS				
Alburgh Village Water Demands					
Existing Village ERU's Existing SAFD2 ERU's		432 ERU 62 ERU	Exisitng service connections in Village Existing service connections in SAFD2		
Average Daily Demand, gpd (existing)	94,195		Based on Alburgh Village Treatment Daily Readings from July and August 2017 per WSR 2.2.1.2 (a)		
Maximum Daily Demand, gpd (existing)	180,900	gallons	Based on 1 year of water system data 2017. December 23rd 2017 Per WSR 202.3.2		
Peaking Factor		1.92	Based on Alburgh Village Treatment Daily Readings and calculated ADD and MDD per WSR 2.2.3.2		
ADD Per ERU MDD per ERU			Per WSR 2.2.1.2 ADD adjusted upwards to 60 gal/day/person for each ERU as standard is family of four. ADD times peaking factor		
Filter Capacity Time out of Production for Backwash	175 45	gpm Minutes			
Time out of production for Flushing Maximum Daily RunTime	90 1,305	minutes minutes			
Water Used for Backwash Water Used for Flushing	15,000 na	gallons	Estimated Raw Water is Used for Flushing		
Maximum Daily Water Production	213,375	gallons	Equals filter capacity (175 gpm) times maximum daily runtime less the water used for backwashing.		
Current remaining Capacity based on peak day	32,475	gallons			
Alburgh Village Water Production Capacity Estimate of SAFD2 Current and Future Equivalent	Posidontial I	Inite (EDIIe)			
Present Day - first year	Residential	140 ERUs	Target connections for SAFD2 Phase 2		
SAFD2 Water Demands					
Average Daily Demand		240 gpd/ERU	Calculated Above		
Current Maximum Daily Demand		461 gpd/ERU	Calculated Above		
Average Daily Demand, gpd (existing first year)	33,600		Target ERUs to be connected by Unitized Demands		
Maximum Daily Demand, gpd (existing first year)	64,528		Target ERUs to be connected by Unitized Demands		
Instantaneous Peak Demand, gpm (future)	126		Based on 0.9 gpm/ERU. Instantaneous peak demands for the SAFD2 service area may be provided by the existing Alburgh Village System		
Alburgh Village and SAFD2 Water Use					
Alburgh Village MDD (Metered) SAFD2 MDD (Estimated)	180,900 64,528	gpd gpd			
Total Flow Maximum Daily Water Production With Second	245,428	gpd			
Filter	426,750	gpd			
Spare Capacity	181,322	gpd			

			Table 3			
		SAFD2 Basis		n Addendum		
				ne with UV		
Pagis of Dosign		Omornie C	Jonitact IIII	I		
Basis of Design From Water Supply Rule section	. 1 2 2					
From Water Supply Rule Section	T.	Li e Elice e e			I p	D::: (
	-	d Log Filtration			Required Disinfection (Log	
		emovals	1			ctivations)
	Giardia	Viruses			Giardia	Viruses
Direct Filtration	2	1			0.5	2.5
UV Disinfection	0.5	0.5				
Design Conditions					•	
					Accumos	97.25' Water
						and 82.83' Bottom
Actual Clearwell Tank Volume Based on Setpoints			32 682	gallons	Elevation	
Calculations	asca on oc	politio	02,002	gallons	Licvation	
	-41	\		Minter Conditions (Conservat		)
Summer Conditions (Conserv	15		I	Winter Conditions (Conservat	0.5	
Temperature Chlorine Concentration		mg/L		Temperature Chlorine Concentration		mg/L
CT Giardia (WSR Table A4-2)		mg-min/L		CT Giardia (WSR Table A4-2)		mg-min/L
CT Glatula (WSK Table A4-2)	12	mg-mm/L		CT Glatula (WSK Table A4-2)	33	mg-mm/L
Scenario #1 Alburgh Village				Scenario #1 Alburgh Village		
Proposed Maximum Flow	200	gpm		Proposed Maximum Flow	200	gpm
Unbaffled Tank Volume				Unbaffled Tank Volume		
Required to Meet CT	20,000	gallons		Required to Meet CT	31,429	gallons
Provides Required CCT			-	Provides Required CCT		

# South Alburgh Fire District No. 2 Preliminary Opinion of Probable Project Cost Option 1: Crossing at Middle Road Table 4



Οριίοπ τ.	Table 4	e Road e Road
Cost Basis		Notes
Cost of Phase 1 Construction (2013-2014)	\$1,536,410	Acutual Construction Cost Phelps Engineering, Inc. Balancing Change Order No. 8 Spreadsheet
Cost of Phase 1 Construction Per Foot of Watermain	\$62.84	24,450 Feet of Water Main Installed per record drawings
August 2013 ENR Index Value	9,545.33	Bid Placed August 2013
June 2018 ENR Index Value	11,012.77	J
ENR Index Adjusted Cost Per Foot of Watermain	\$72.50	
Swamp Directional Bore Cost Per Foot	\$250.00	
Alternative	<b>+200100</b>	Notes
	I. CONSTRUCTION	
Watermain Length (Feet)	42,630	Estimated from ariel mapping in ACAD
Swamp Directional Bore Length	_	Estimated from ariel mapping in ACAD
Expected Construction Cost	\$3,090,645.66	•
· · · · · · · · · · · · · · · · · · ·	1 2 7 2 2 2 2 2	Includes additional rock excation cost not covered by the cost per
Rock Excavation	\$250,000.00	foot of watermain. This number is based on ledge probes conducted by Phelps Engineering Inc.
Treatment Plant Upgrades	\$450,000.00	Allowances for additional Filter, high & low lift pumps.
Final Design Phase	\$108,872.55	Facilities Engineering DivisionFee Allowances. Half the cost assuming 50% of final design has already been completed by Phelps Engineering, Inc.
Construction Phase	\$399,199.36	Facilities Engineering Division Fee Allowances
	II. ENGINEERING	
Engineering Services During Design and Construction	\$508,071.92	Based on Facilities Engineering Division Fee Curves for Final Design and Construction Phases. Assumes 50% of Final Design Already Completed by Phelps Engineering, Inc.
III. MUNICIPA	AL PROJECT COST ALL	OWANCES
Legal/Fiscal	\$37,906.46	1% of construction cost
Administration	\$37,906.46	1% of construction cost
Preliminary Opinion of Probable Project Cost	\$4,374,530.49	
New ERUs	140	Projected new ERU's based on 2016 interest survey
Total Repayment on 20-YR Loan 0% Interest	\$4,374,530.49	Not Disadvantaged Mid Point (DWSRF)
Annual Payment on 20-YR Loan 0% Interest	\$218,726.52	Not Disadvantaged Mid Point (DWSRF)
Annual Payment on 20-YR Loan 0% Interest Per New ERU	\$1,562.33	Not Disadvantaged Mid Point (DWSRF)
Total Repayment on 20-YR Loan 3% Interest	\$5,880,743.24	Not Disadvantaged & Disadvantaged Starting Point (DWSRF)
Annual Payment on 20-YR Loan 3% Interest	\$294,037.16	
Annual Payment on 20-YR Loan 3% Interest Per New ERU	\$2,100.27	0 0 1
Total Repayment on 30-YR Loan 0% Interest	\$4,374,530.49	<u> </u>
Annual Payment on 30-YR Loan 0% Interest	\$145,817.68	•
Annual Payment on 30-YR Loan 0% Interest Per New ERU	\$1,041.55	· · · · · · · · · · · · · · · · · · ·
Total Repayment on 30-YR Loan 3% Interest	\$6,695,559.16	
Annual Payment on 30-YR Loan 3% Interest	\$223,185.31	Disadvantaged Mid Point (DWSRF)
Annual Payment on 30-YR Loan 3% Interest Per New ERU	\$1,594.18	ů .
Total Repayment on 40-YR Loan 3% Interest	\$7,570,103.64	ů i i i i i i i i i i i i i i i i i i i
Annual Payment on 40-YR Loan 3% Interest	\$189,252.59	·
Annual Payment on 40-YR Loan 3% Interest Per New ERU	\$1,351.80	Rural Development
-	•	

### Notes:

<sup>1.)</sup> Preliminary Construction Cost Analysis does not include cost for potenial need for chlorine booster station. Need for chlorine booster station will be determined in the future upon receiving disinfection by products and chlorine residual data from water operator.

<sup>2.)</sup> Drinking Water State Revolving Fund cut off deciding advantaged vs. disadvantaged is \$54,012. Town of Alburgh MHI according to the state is \$55,652. Therfore the Town of Alburgh does not currently qualify for disadvantaged funding options.

# South Alburgh Fire District No. 2 Preliminary Opinion of Probable Project Cost Option 2: Crossing at Swamp Table 5



Οριιστί	Table 5	anip
Cost Basis		Notes
Cost of Phase 1 Construction (2013-2014)	\$1,536,410	Acutual Construction Cost Phelps Engineering, Inc. Balancing Change Order No. 8 Spreadsheet
Cost of Phase 1 Construction Per Foot of Watermain	\$62.84	'
August 2013 ENR Index Value	9,545.33	Bid Placed August 2013
June 2018 ENR Index Value	11,012.77	Ŭ
ENR Index Adjusted Cost Per Foot of Watermain	\$72.50	
Swamp Directional Bore Cost Per Foot	\$250.00	Cost from discussions with ECI direction drilling
Alternative	•	Notes
	I. CONSTRUCTION	
Watermain Length (Feet)	36,971	Estimated from ariel mapping in ACAD
Swamp Directional Bore Length	2,500	Estimated from ariel mapping in ACAD
Expected Construction Cost	\$3,305,372.05	Uses ENR Index adjusted cost per foot of watermain.
Rock Excavation	\$430,000.00	Includes additional rock excation cost not covered by the cost per foot of watermain. This number is based on ledge probes conducted by Phelps Engineering Inc.
Treatment Plant Upgrades	\$450,000.00	Allowances for additional Filter, high & low lift pumps.
Final Design Phase	\$114,936.67	Facilities Engineering DivisionFee Allowances. Half the cost assuming 50% of final design has already been completed by Phelps Engineering, Inc.
Construction Phase	\$421,434.46	Facilities Engineering Division Fee Allowances
	II. ENGINEERING	
Engineering Services During Design and Construction	\$536,371.13	Based on Facilities Engineering Division Fee Curves for Final Design and Construction Phases. Assumes 50% of Final Design Already Completed by Phelps Engineering, Inc.
III. MUNICIPA	AL PROJECT COST ALL	OWANCES
Legal/Fiscal	\$41,853.72	1% of construction cost
Administration	\$41,853.72	
Preliminary Opinion of Probable Project Cost	\$4,805,450.63	
New ERUs	140	Projected new ERU's based on 2016 interest survey
Total Repayment on 20-YR Loan 0% Interest	\$4,805,450.63	Not Disadvantaged Mid Point (DWSRF)
Annual Payment on 20-YR Loan 0% Interest	\$240,272.53	Not Disadvantaged Mid Point (DWSRF)
Annual Payment on 20-YR Loan 0% Interest Per New ERU	\$1,716.23	Not Disadvantaged Mid Point (DWSRF)
Total Repayment on 20-YR Loan 3% Interest	\$6,460,035.29	Not Disadvantaged & Disadvantaged Starting Point (DWSRF)
Annual Payment on 20-YR Loan 3% Interest	\$323,001.76	Not Disadvantaged & Disadvantaged Starting Point (DWSRF)
Annual Payment on 20-YR Loan 3% Interest Per New ERU	\$2,307.16	Not Disadvantaged & Disadvantaged Starting Point (DWSRF)
Total Repayment on 30-YR Loan 0% Interest	\$4,805,450.63	<u> </u>
Annual Payment on 30-YR Loan 0% Interest	\$160,181.69	Ü
Annual Payment on 30-YR Loan 0% Interest Per New ERU	\$1,144.15	· · ·
Total Repayment on 30-YR Loan 3% Interest	\$7,355,115.95	ů i i
Annual Payment on 30-YR Loan 3% Interest	\$245,170.53	·
Annual Payment on 30-YR Loan 3% Interest Per New ERU	\$1,751.22	ů i i
Total Repayment on 40-YR Loan 3% Interest	\$8,315,808.84	ů .
Annual Payment on 40-YR Loan 3% Interest	\$207,895.22	Rural Development
Annual Payment on 40-YR Loan 3% Interest Per New ERU	\$1,484.97	Rural Development

#### Notes:

<sup>1.)</sup> Preliminary Construction Cost Analysis does not include cost for potenial need for chlorine booster station. Need for chlorine booster station will be determined in the future upon receiving disinfection by products and chlorine residual data from water operator.

<sup>2.)</sup> Drinking Water State Revolving Fund cut off deciding advantaged vs. disadvantaged is \$54,012. Town of Alburgh MHI according to the state is \$55,652. Therfore the Town of Alburgh does not currently qualify for disadvantaged funding options.