



Town of Onoway Request for Decision

Meeting:	Council Meeting
Meeting Date:	November 24, 2022
Presented By:	Jennifer Thompson, Chief Administrative Officer Craig Rudderham, Public Works Foreman
Title:	Septage Receiving Station Update

BACKGROUND / PROPOSAL

Completed Work

- 120m of power cable has been installed from meter just inside lagoon gate to location where SRS will be installed.
- Cable has been purchased for upgrade needed from meter to Fortis junction box outside of lagoon gate.
- Phase converter has been purchased for install on SRS unit.

Work Needed to be Completed

- Upgrade of transformer and power supply cable from transformer on north side of HWY 37 to junction box outside of lagoon gate done by Fortis.
- Installation of phase converter inside of SRS.
- Install upgraded power cable from meter to Fortis Junction box.
- Install SRS at lagoon location, complete final hookup and perform start-up procedures.

Completed Work Cost to Date (November 23)

Vector-\$33,000.00

Work Needed to be Completed

Fortis-\$5,120.84

Vector-\$12,000.00

DISCUSSION / OPTIONS / BENEFITS / DISADVANTAGES

SRS ISSUE	CAUSE	RESULT	SOLUTION
Flow Back	-Location of Inlet Pipe	-Icy Conditions on Ground -Raw Sewage on Ground	A concrete basin can be installed to prevent septage on ground
High Flow Meter Reading	-Calibration of Flow Meter -Consistency of Effluent -Air pockets -Size of Load -Pressure VS Gravity Offload	-Higher Reads Shown by ---Flow Meter VS What User was Reporting	Calibration of flow meters, which will take a bit of time but once calibrated seem to be working
Power	-Converting from Generator to Grid Power	-Unknown. Onoway SRS was Never Powered by Generator Previously	Should not be an issue with Onoway's SRS
Freezing	-Bleed Valve Freezing in Cold Weather	-Unable to Properly Disconnect Resulting in Flowback	Install heat tape
Icing from septage flow	Winter	Create unsafe surface for worker	Install a grate with the concrete basin

Staff was onsite at locations where SRS are installed to observe the concerns. Staff were also onsite in other locations with different SRS machines installed.

A concrete basin was installed at one location to prevent the septage overflow as the flow directed toward the lagoon to prevent saturation.

With additional concerns being raised there are options that need to be considered and staff provided direction.

- a) Halt install, sell SRS. Costs to date \$33,000 for power at site. Sell SRS with phase converter – recovery is unknown.
- b) Continue with Fortis and Vector install, everything to bring SRS ONLINE, not moving SRS into position for use. Electrical infrastructure in place for future use. More detailed SRS information presented to Council.
- c) Completing install.

Electrical install is scheduled to be completed by December 8, 2022. A confirmed decision of Council is required. The SRS machine will not be moved into place and installation complete until spring 2023.

STRATEGIC ALIGNMENT

Sustainable Economic Growth

Public Safety

Sustainable development

COSTS / SOURCE OF FUNDING

Completed Work Cost to Date (November 23)

Vector-\$33,000.00

Work Needed to be Completed Cost

Fortis-\$5,120.84

Vector-\$12,000.00

Financing – noted to use reserves however would decrease reserves significantly.

RECOMMENDED ACTION

- 1) THAT the SRS project be halted and the septage receiving station (SRS) with power convertor be sold. (*Option A*)
- 2) THAT electrical installation be completed for future use. (*Option B*) ←
- 3) THAT Council confirm the full installation of the septage receiving station. (*Option C*)

Villeneuve



Entwhistle



Darwell

