



**ANNUAL SUMMARY REPORT  
SEWAGE LAGOONS  
ENVIRONMENTAL PROTECTION AND ENHANCEMENT ACT**

## SMALL SYSTEMS WASTEWATER REPORT

<b>REPORT DATE</b>	FEB 26, 2018	<b>REPORT COMPLETED BY</b>
<b>LOCATION</b>	S.V. of Sandy Beach, Alberta	Trevor Gardner
<b>REPORT TYPE</b>	Annual 2017	
<input checked="" type="checkbox"/> <b>INFORMAL</b>	<input type="checkbox"/> <b>FORMAL</b>	

### SMALL WASTEWATER SYSTEM - SITE SPECIFICS

<b>MUNICIPALITY</b>	SV of Sandy Beach SV of Sunrise Beach	<b>SITE CLASSIFICATION</b>	Small Wastewater <500
<b>LICENCE NUMBER</b>	1137-02-00	<b>NUMBER OF CELLS</b>	3
<b>FOR PERIOD OF</b>	2017	<b>OPERATOR NAME &amp; CLASSIFICATION</b>	Trevor Gardner – Small System Wastewater
<b>OWNER ADDRESS</b>	Box 63, Onoway, Alberta, T0E 1V0	<b>OWNER CONTACT NUMBER</b>	780-967-2873

### SMALL WASTEWATER SYSTEM - OPERATION ACTIVITY

1	<b>Flows/volumes</b> - (Fluid transfers between cells, Discharged amounts, Hydraulic loading amounts)
	<ul style="list-style-type: none"> <li>- Fluid is transferring between all cells through the high-level bypass pipes.</li> <li>- Approximate amount of wastewater disposed of into the lagoon for 2017 is 8,000 m<sup>3</sup> or 1,750,000 gallons</li> </ul>
2	<b>Discharge</b> - (state period of discharge; receiving course; conditioning of run off; precautionary measures prior to and during runoff; which cell actually drained)
	<ul style="list-style-type: none"> <li>- No discharge was completed in 2017</li> <li>- Application for urgent discharge in the fall of 2017 was not approved by AEP. (NOVEMBER)</li> </ul>
3	<b>Chemicals</b> – (state name and quantities of any chemicals used including enzymes)
	<ul style="list-style-type: none"> <li>- No chemicals were added in 2017</li> </ul>
4	<b>Sampling/Testing</b> – (State location and date of fluid sampling; unauthorized discharge, ground water monitoring, sludge testing and control. Please attach results if applicable)
	<ul style="list-style-type: none"> <li>- No Sampling/testing done in 2017</li> </ul>
5	<b>Other</b> – (provide comments as to maintenance performed, upgrading done or planned, general problems with the system, system modifications, nuisance complaints/odour, etc.)
	<p>During 2017 the lagoon has struggled with high fluid levels. To help aid this problem in April 2017, the Summer Village of Sunrise Beach made a 1-year arrangement for an alternative disposal location for the wastewater generated by their residents. This was estimated to relieve the lagoon of approximately 3700 m<sup>3</sup>. During the summer months the fluid levels in all 3 cells continuously receded. In the fall it was clear that the fluid levels were still high for this time of year and the SV of Sandy Beach submitted an Urgent Discharge Request to AEP. This request was not approved by AEP. In October, the Joint Lagoon Committee passed a motion to release funds for an engineering assessment to be completed on the lagoon. Currently the Joint Lagoon Committee is securing and engineering firm to complete this assessment. The Committee is looking into the possibility of expansion, dredging the cells, repairing/rebuilding/reinforcing the berms and/or a different approval status allowing for periodic discharge onto their own lands. As of Jan 31, 2018 the Committee stopped all disposal of wastewater fluid into their lagoon until an engineering assessment is completed. The committee has also secured alternative disposal locations for the wastewater generated by both the SV of Sandy Beach and the SV of Sunrise Beach until April 2019.</p>