

**Ministry of the Environment,
Conservation and Parks**
*Drinking Water and Environmental
Compliance Division*

Central Region

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**Ministère de l'Environnement de la
Protection de la nature et des Parcs**
*Division de la conformité en matière d'eau
potable et d'environnement*

Région du Centre

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March 27, 2025

Corporation of the Township of Ramara
2297 Highway 12
Brechtin, Ontario
L0K 1B0

Attention: Gayle Jackson Township of Ramara CAO

**Re: Bayshore Village (spray irrig) Lagoon, Wastewater Inspection
Site number -120002264**

Please find enclosed the Ministry of the Environment, Conservation and Parks Inspection Report for the Bayshore Village (spray irrig) Lagoon inspection. The compliance assessment took place on September 12, 2024.

The primary focus of this inspection was to confirm compliance with Ministry of the Environment legislation and control documents, as well as conformance with Ministry wastewater related policies for the inspection period. The Ministry is implementing a rigorous and comprehensive approach in the inspection of wastewater treatment systems that focuses on the collection, treatment, and discharge components as well as wastewater treatment system management practices.

If you have any questions or concerns regarding the rating, please contact Sheri Broeckel, Drinking Water Program Supervisor, at 705-716-3712.

Respectfully,

A handwritten signature in cursive script that reads "Carly Munce".

Carly Munce
Water Inspector
Drinking Water and Environmental Compliance Division
Ministry of the Environment, Conservation and Parks
Barrie District Office

Email: early.munce@ontario.ca
Tel: 705-721-3758

CC Medical Officer of Health, Simcoe Muskoka District Health Unit
Senior Operation Manger OCWA Ontario Clean Water Agency
Barrie District Office File, Ministry of the Environment and Climate Change



BAYSHORE VILLAGE (SPRAY IRRIG) LAGOON
Physical Address: 3820 SIDE RD 20, , RAMARA,
ON L0K 1B0

INSPECTION REPORT

System Number: 120002264
Entity: CORPORATION OF THE
TOWNSHIP OF RAMARA
Inspection Start Date: September 12, 2024
Site Inspection Date: September 12, 2024
Inspection End Date: March 26, 2025
Inspected By: Carly Munce
Badge #: 1945

(signature)

NON-COMPLIANCE

The following item(s) have been identified as non-compliance, based on a "No" response captured for a legislative question(s). For additional information on each question see the Inspection Details section of the report.

Ministry Program: SEWAGE | **Regulated Activity:** Municipal Sewage

Item	Question	Compliance Response/Corrective Action(s)
NC-1	<p>Question ID: MWW182000</p> <p>For Lagoon Systems, is the owner in compliance with the freeboard and/or supernatant cover conditions prescribed by the Environmental Compliance Approval or an Order?</p>	<p>For Lagoon Systems, the owner is not in compliance with the freeboard and/or supernatant cover conditions prescribed by the Environmental Compliance Approval or an Order.</p>

RECOMMENDATIONS

This should not be construed as a confirmation of full conformance with all potential applicable BMPs. These inspection findings are limited to the components and/or activities that were assessed, and the legislative framework(s) that were applied. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

If you have any questions related to this inspection, please contact the signed Provincial Officer.

INSPECTION DETAILS

This section includes all questions that were assessed during the inspection.

Ministry Program: SEWAGE | **Regulated Activity:** Municipal Sewage

Question ID	MWW100000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: What was the scope of this inspection?			
Compliance Response(s)/Corrective Action(s)/Observation(s): <p>The primary focus of this inspection is to confirm compliance with Ministry of the Environment, Conservation and Parks (MECP) legislation as well as evaluating conformance with ministry policies and guidelines during the inspection period. This wastewater treatment and collection system is subject to the legislative requirements of the Ontario Water Resources Act (OWRA) and the Environmental Protection Act (EPA) and regulations made therein. This inspection has been conducted pursuant to Section 15 of the OWRA and Section 156 of the EPA. This inspection report does not suggest that all applicable legislation and regulations were evaluated. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.</p> <p>Bayshore Village sewage works are owned and operated by the Corporation of the Township of Ramara . Bayshore Village sewage works serves the Bayshore Village residential community consisting of 383 lots located on Lots 21 and 26 in Concession VI, and 29 lots on Southview Drive, in the Township of Ramara. Bayshore Village sewage works is Operated by Ontario Clean Water agency (OCWA).The population served by the sewage works is 993 people.</p> <p>The sewage works is a gravity fed system with two pumping stations feeding to two facultative waste stabilization ponds configured in series, located approximately 2.5 km north of Bayshore Village. Lagoon effluent is drawn from the larger of the two lagoons and discharged by spray irrigation to two fields located near the lagoons. The South Field is located adjacent to the lagoons and the North field is located across Concession 8 from the lagoons. The Bayshore Village sewage works has no reserve capacity. The annual average daily influent flow was 250.62 m3/day or 62.8 % of the rated capacity in 2022. The Operating Authority is undertaking efforts to identify and eliminate inflow and infiltration into the collection system to free up reserve capacity for the system. This inspection covers the period from the November 21, 2023- September 12, 2024. The previous inspection of the Bayshore Village sewage works by the Ministry of the Environment, Conservation and Parks occurred on November 21, 2023.</p>			

Question ID	MWW101000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Does a valid Environmental Compliance Approval(s) exist for the facility?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had a valid Environmental Compliance Approval for the sewage works. The system operates under Certificate of Approval 3-1337-81-968, issued July 17, 1996, identifying the average flow capacity to be 399 m3/day.			

Question ID	MWW102000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Does the facility's Environmental Compliance Approval contain conditions consistent with a modern Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The facility's Environmental Compliance Approval does not contain conditions consistent with a modern Environmental Compliance Approval. The CofA was issued in 1996 and does not contain modern conditions such as bypass/overflow and effluent limits/objectives			

Question ID	MWW107000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Has the owner of the sewage works prepared a written statement certified by a Professional Engineer confirming that the proposed works were constructed in accordance with the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner of the sewage works had prepared a written statement certified by a Professional Engineer confirming that the proposed works were constructed in accordance with the Environmental Compliance Approval.			

Question ID	MWW105000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Is the owner in compliance with the conditions associated with maximum flow rate or the rated capacity prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner was in compliance with the conditions associated with maximum flow rate or the rated capacity prescribed by the Environmental Compliance Approval. Condition 1.1 of Certificate of Approval 3-1337-81-968 states that the Owner shall ensure that the flow of sewage into the sewage treatment plant does not exceed the average daily flow of 399 m3/d for any period of time greater than one (1) calendar year. Peak flow in the operations manual prepared by C.C. Tatham and Associates Ltd. dated September 24, 2002 is 17.6 L/s (1 ,520 m3/d). During the inspection review the annual report states the average day raw flow for the year 2023 was 270.73 m3/day.			

Question ID	MWW131000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: If the effluent is not discharged continuously, did the discharge occur during the period prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works effluent was discharged during the prescribed period. Condition 1.3 of Certificate of Approval 3-1337-81-968 states that the Owner shall ensure that the effluent spray irrigation system is only operated during frost free periods between May 18 and September 28. Should it be necessary to operate the system prior to May 18 or after September 28 of any year, the Owner shall obtain a prior written approval for such an extended operation from the District Manager on a case-by-case basis. Relief was granted to the Owner for Conditions 1.2 and 1.3 of the Certificate of Approval (C of A) No. 3-1337-81-968 for the 2023 spray irrigation season by the Ministry of the Environment Conservation and Parks as per the letter from the Environmental Permissions Branch sent on September 26, 2023. Within the relief, the spray season was extended until December 15, 2023 or first snow/ frost.			

Question ID	MWW106000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: Is the owner in conformance with the designed rated capacity for average daily flow into the			

sewage works?

Compliance Response(s)/Corrective Action(s)/Observation(s):

The owner was in conformance with the designed rated capacity for average daily flow into the sewage works.

Question ID	MWW104000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Was the annual average daily flow below 80% of the rated capacity of the sewage works?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The annual average daily flow was not approaching the rated capacity of the sewage works. The annual average rate was 67.9 % in 2023.			

Question ID	MWW108000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Are the flow measuring devices installed, calibrated and maintained in accordance with the requirements of the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Flow measuring devices were installed, calibrated and maintained in accordance with the requirements of the Environmental Compliance Approval.			

Question ID	MWW110000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: If not required by an Environmental Compliance Approval, are the flow monitoring devices installed, calibrated and maintained?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Flow measuring devices were installed, calibrated and maintained.			

Question ID	MWW109000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Were flow rates recorded at a frequency prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Flow rates were recorded at a frequency prescribed by the Environmental Compliance Approval. Condition 2.1 of Certificate of Approval 3-1337-81-968 requires that the owner ensure that the following monitoring program is carried out upon commencement of the operation of the works: (a) Daily quantities of sewage being conveyed to the sewage treatment plant and the lagoon effluent being disposed of by spray irrigation onto individual spray irrigation fields shall be measured or estimated, and recorded. A magnetic flow meter is installed at the East Pumping to measure raw sewage flows. Operators record the flow meter readings multiple times each week and estimate the amount for each day since the previous reading. There is a magnetic flow meter on the discharge line to the spray fields. Operators record the flow meter readings when the spray fields are in operation.			

Question ID	MWW130000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: If the effluent is not discharged continuously, is the effluent discharged in accordance with the requirements of the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works effluent was discharged in accordance with Environmental Compliance Approval. The C of A describes when discharge can't occur Condition 3.1 states The owner should ensure that the application of effluent to individual irrigation sites with in the approved spray irrigation field(s) and rotation of the irrigation sites is carried out in a manner that maximizes evaporation and allows the soil to dry out periodically. 3.2 The owner should ensure that whenever ponding or runoff of sprayed effluent occurs, the application of effluent to the affected area of the spray irrigation field is immediately terminated, and adequate time is allowed before the resumption of the application of effluent to that area for the area to dry to a degree that would preclude immediate recurrence of ponding or runoff. 3.3 The owner should ensure that no effluent application to the spray irrigation fields takes place during rainfall, when the ground is saturated and when the wind velocity exceeds 15km/hr. However, the North spray irrigation fields can not be sprayed with out the South spray irrigation field being sprayed which doesn't allow for a rotation of the spray irrigation fields as the C of A states.			

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Question ID	MWW112000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Has the owner ensured that all equipment/components associated with the works have been installed in accordance with the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had ensured that all equipment/components associated with the works was installed in accordance with the Environmental Compliance Approval.			

Question ID	MWW113000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Are the works, related equipment and appurtenances being operated and maintained to achieve compliance prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The works, related equipment and appurtenances were being operated and maintained to achieve compliance prescribed by the Environmental Compliance Approval.			

Question ID	MWW115000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 18 (2);			
Question: Does the operator-in-charge ensure that all equipment used in the treatment processes is monitored, maintained, inspected, tested and evaluated?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The operator-in-charge had ensured that all equipment used in the processes was monitored, maintained, inspected, tested and evaluated. It is the policy of the Township that the operator conducting facility checks is the Operator in Charge (OIC) of those facilities. The OIC has the responsibility to complete the daily checks as required including taking flow meter readings, observing the pumping stations, noting times of visits, observing the installed equipment and noting and correcting any observed problems if possible, and reporting issues that cannot be fixed to the Overall Responsible Operator (ORO) and/or the Manager of Environmental Services for further action. The OIC			

conducts operational checks such as inspecting all signs and fences, monitoring weather conditions, inspection of berms, structures and pipes, checking sludge thickness, and further checks and tests as required. The Township has produced a thorough Operations Manual which provides procedures for most of the day to day operational checks and tests which the OIC completes and is responsible for. All of the observations are recorded on the daily log sheets and other facility records. The daily logs are regularly checked and double checked, by at least two staff members, to ensure that all of the required procedures are completed. Regulation 129 sets out the duties and obligations of an Operator-in-charge. Subsection 18 (2)(d) states that the Operator-in-charge shall ensure that all equipment used in the processes within his or her responsibility is properly monitored, inspected and evaluated and that records of equipment operating status are prepared and available at the end of every operating shift.

Question ID	MWW186000	Question Type	Legislative
Legislative Requirement(s): OWRA R.R.O. 1990, Reg. 903 20 (1);			
Question: Is the owner of the system maintaining the monitoring well(s) in a manner sufficient to prevent the entry of surface water and other foreign materials?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner was maintaining the monitoring well(s) in a manner to prevent the entry of surface water and other foreign materials. There are 12 Piezometer boreholes along the South Field and six Piezometer boreholes in the North Field. All of the boreholes are reportedly maintained to prevent the entry of surface water and other foreign materials.			

Question ID	MWW192000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Does a lagoon form part of the system?			
Compliance Response(s)/Corrective Action(s)/Observation(s): A lagoon forms part of the system The treatment facility consists of two facultative waste stabilization ponds, located 2.5 kilometres (km) north of the community on Sideroad 20, on Lot 21, Concession 7. Raw sewage is pumped to Cell B (Small Lagoon) from which it flows by gravity to Cell A (Large Lagoon).			

Question ID	MWW182000	Question Type	Legislative
Legislative Requirement(s): OWRA 16; OWRA 16.1; OWRA 16.2; OWRA 53 (1); OWRA 53 (2);			
Question: For Lagoon Systems, is the owner in compliance with the freeboard and/or supernatant cover conditions prescribed by the Environmental Compliance Approval or an Order?			
Compliance Response(s)/Corrective Action(s)/Observation(s): For Lagoon Systems, the owner is not in compliance with the freeboard and/or supernatant cover conditions prescribed by the Environmental Compliance Approval or an Order. Restore freeboard to the 0.6 m height required by the Environmental Compliance Approval. Starting immediately and continuing until such time as freeboard is restored to 0.6 m, conduct weekly inspections of the berm to ensure structural integrity is being maintained and that there are no breaches. The C of A 3-1337-81-968 states a 0.3m sludge storage bottom dead zone and a 0.66m freeboard. At the time of inspection it was difficult to see the freeboard due to vegetative growth on the top of the berms. As well they were pumping sewage from small lagoon to large lagoon to bring the level down to meet freeboard before winter months. Elevation measurements were taken on October 31, 2023. Freeboard in the large lagoon (cell A) was 1.24 m or greater but in the small lagoon (cell B) ranged between 0.24 m and 0.79 m. A minimum freeboard level of 0.66 m is required at all times to be compliant with the CofA.			

Question ID	MWW119000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Are the sewage works effluent limits prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works effluent limits were not prescribed by the Environmental Compliance Approval. The sewage works effluent limits were not prescribed by the Environmental Compliance Approval.			

Question ID	MWW129000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: For the sewage works with no authorizing or control document limits, do all sewage works effluent samples meet the Ministry guideline for the parameters?			

Compliance Response(s)/Corrective Action(s)/Observation(s):

The sewage works effluent sample results met the effluent guideline.

Question ID	MWW134000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Are the sampling requirements prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sampling requirements were prescribed by the Environmental Compliance Approval.			

Question ID	MWW137000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Are all sewage works influent sampling (raw sewage) requirements prescribed by the Environmental Compliance Approval being met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): All sewage works influent (raw sewage) sampling requirements prescribed by the Environmental Compliance Approval were met. Section 2 of Certificate of Approval 3-1337-81-968 requires monthly raw water grab samples be taken of raw sewage and tested for BOD5, suspended solids, total phosphorus and total kjeldahl nitrogen. During the inspection review period raw water sampling was performed at the required frequency. The required parameters were tested.			

Question ID	MWW136000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Are all sewage works effluent sampling requirements prescribed by the Environmental Compliance Approval being met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): All sewage works effluent sampling requirements prescribed by the Environmental Compliance Approval were met. Section 2 of Certificate of Approval 3-1337-81-968 requires that BOD5, suspended solids,			

total phosphorus, total kjeldahl nitrogen and (ammonia + ammonium) nitrogen be collected in a grab sample at least annually, and that the annual sampling of the lagoon effluent shall take place at the beginning of each spray irrigation season.
During the inspection review period the effluent from Cell A and Cell B were sampled for the required parameters in May 3,2023 and 2024. Effluent from Cell A was also sampled for the required parameters.

Question ID	MWW139000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Are all groundwater sampling requirements prescribed by the Environmental Compliance Approval being met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): All groundwater sampling requirements prescribed by the Environmental Compliance Approval were met. Groundwater samples were collected in May, August and November for groundwater monitoring in six boreholes in and around the North and South spray irrigation fields.			

Question ID	MWW140000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Are all surface water sampling requirements prescribed by the Environmental Compliance Approval being met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): All surface water sampling requirements prescribed by the Environmental Compliance Approval were met. Section 2 of Certificate of Approval 3-1337-81-968 requires that three grab samples be taken each season, and that the surface water sampling shall take place prior to, in the middle, and after each spray irrigation season, provided there is flow in the stream. Sampling of Wainmans Creek is to be done up-stream and down-stream of the spray irrigation fields. Samples must be tested for BOD5, suspended solids, total phosphorus, total kjeldahl nitrogen, (ammonia + ammonium) nitrogen, nitrates, nitrites, pH and temperature. During the inspection review period Wainmans Creek was sampled up and down stream of the spray irrigation fields in May, August and November of 2022 as well as May , August, and November 2023. as well as April, August and November of 2024, as required and samples were tested for the required parameters.			

Question ID	MWW141000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Are all additional monitoring requirements prescribed by the Environmental Compliance Approval being met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): All additional monitoring requirements prescribed by the Environmental Compliance Approval were met. Section 2 of Certificate of Approval 3-1337-81-968 requires that soil core samples be taken annually. The annual soil sampling should take place prior to each spray irrigation season. Samples must be tested for Total organic carbon, total phosphorus, total kjeldahl nitrogen, (ammonia + ammonium) nitrogen, nitrates, nitrites, pH chlorides, sodium, and conductivity. Samples were taken in the North and South spray fields May of 2023 and April 2024.			

Question ID	MWW143000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: Has the owner maintained the monitoring records since the date of the last inspection?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had maintained the monitoring records since the date of the last inspection.			

Question ID	MWW142000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Has the owner maintained the monitoring records for the period prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had maintained the monitoring records for the period prescribed by the Environmental Compliance Approval. Condition 2.2 of Certificate of Approval 3-1337-81-968 states that the Owner shall retain for a minimum of three years from the date of their creation, all records and information related to or resulting from the monitoring activities required by this certificate. Records pertaining to the Bayshore Spray Irrigation System are kept for more than three years.			

Question ID	MWW145000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Are the reporting requirements prescribed by an Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The reporting requirements were prescribed by an Environmental Compliance Approval. The Environmental Compliance Approval (ECA) # 3-1337-81-968 contains a number of reporting requirements within Section 4. Reporting: -A week prior to startup, the Owner must make a written notification to the District Manager. -The Owner shall prepare and submit upon request to the District Manager, annual performance reports.			

Question ID	MWW146000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Do the annual performance reports meet the submission and contents requirements of the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The annual performance reports met the submission and contents requirements of the Environmental Compliance Approval. Subsection 4.2 of the Certificate of Approval # 3-1337-81-968 contains a number of submission and content requirements for the annual performance report: "(a) a summary of all monitoring data, including an overview of the success and adequacy of the sewage treatment program; (b) a tabulation of all monitoring and analytical results obtained during the reporting period, including sampling/monitoring location and date; (c) a record of the operation of the spray irrigation system, including dates and hours of operation, irrigation areas utilized, rates of effluent application, and volumes of effluent applied (d) an account of any environmental and operating problems encountered at the site and the mitigative measures taken during the reporting period." The report is required to be prepared within the following 90 calendar days following the completion of the calendar year. ' - A review of the 2023 Annual Performance Report confirms the Cof A requirements have been met.			

Question ID	MWW154000	Question Type	Legislative
Legislative Requirement(s): EPA O. Reg. 675/98 13 (1); EPA O. Reg. 675/98 13 (2); EPA O. Reg. 675/98 13 (3); EPA O. Reg. 675/98 13 (4); EPA O. Reg. 675/98 13 (5); EPA O. Reg. 675/98			

13 | (6); EPA | O. Reg. 675/98 | 13 | (7);

Question:

Were all required verbal notifications of discharges and/or spills provided forthwith as per O. Reg. 675/98 section 13?

Compliance Response(s)/Corrective Action(s)/Observation(s):

All required verbal notifications of spills were provided forthwith as per O. Reg. 675/98 section 13.

A spill called into SAC on September 28, 2024 ran off into an adjacent ditch. The cause of the spill was a rotted pipe and coupler. In response, the system was shut off and the pipe was repaired.

Question ID	MWW149000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Have any bypasses/overflows occurred at the sewage works during the inspection period?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Bypasses/overflows had occurred at the sewage works during the inspection period. On March 27, 2024 received email with Operational Event Form for a by pass.			

Question ID	MWW148000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: For all bypasses/overflows which occurred from any portion of the sewage works, did the owner/operator maintain a logbook and/or records in accordance with the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner/operator maintained a logbook and/or records of all bypasses/overflows which occurred from any portion of the sewage works in accordance with the Environmental Compliance Approval.			

Question ID	MWW152000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			

Question:

Were notices and written reports provided to the Ministry for all bypasses/overflows which occurred from any portion of the sewage works in accordance with the Environmental Compliance Approval?

Compliance Response(s)/Corrective Action(s)/Observation(s):

Notices and written reports of all bypasses/overflows were provided to the Ministry in accordance with the Environmental Compliance Approval.

Question ID	MWW156000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Does this plant receive sewage from a combined sewer collection system?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The plant received sewage from a nominally separated sewer collection system.			

Question ID	MWW193000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Does the facility generate biosolids?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The system does not generate biosolids The system does not generate biosolids.			

Question ID	MWW167000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 4 (5);			
Question: Are the classification certificates of the system conspicuously displayed at the workplace or at premises from which the system is managed?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The classification certificates of the subsystems were conspicuously displayed at the workplace or at premises from which the subsystem was managed. The certificates of the system classification was on the wall of the pump house on site .			

The Bayshore Village Lagoon system is classified as a Wastewater Treatment System Class 1 and Wastewater Collection System Class 1. The classification certificates are displayed at the pumphouse.

Question ID	MWW168000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 13;			
Question: Are operator licences displayed in a conspicuous location at the workplace or at the premises from which the system is managed?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Operator licences were displayed in a conspicuous location at the workplace or at the premises from which the subsystem was managed. Operator licences are kept both at the lagoon pumphouse and at the Environmental Services building in Brechin.			

Question ID	MWW169000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 15 (1);			
Question: Has the overall responsible operator been designated for the wastewater treatment and collection facilities?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The overall responsible operator had been designated for the wastewater treatment and collection works.			

Question ID	MWW170000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 15 (2);			
Question: In instances where the overall responsible operator was unable to act, was an adequately licensed operator designated to act in place of the overall responsible operator?			
Compliance Response(s)/Corrective Action(s)/Observation(s): An adequately licensed operator was designated to act in place of the overall responsible operator when the overall responsible operator was unable to act. An adequately licensed operator was designated to act in place of the overall responsible operator when the overall responsible operator was unable to act.			

Question ID	MWW174000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 17 (1); OWRA O. Reg. 129/04 17 (2);			
Question: Have operators-in-charge been designated for the wastewater treatment plant and all associated collection facilities?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Operators-in-charge were designated for the wastewater treatment plant and all associated collection works.			

Question ID	MWW175000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 17 (2);			
Question: Did the operator-in-charge ensure that records were maintained of all adjustments made to the processes within his or her responsibility?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The operator-in-charge ensured that records were maintained of all adjustments made to the processes within his or her responsibility.			

Question ID	MWW171000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 14 (1); OWRA O. Reg. 129/04 14 (2);			
Question: Do all operators have the appropriate level of licences for the wastewater treatment and collection facilities?			
Compliance Response(s)/Corrective Action(s)/Observation(s): All operators had the appropriate level of licences for the wastewater treatment and collection works. All operators have the appropriate level of training and or experience for the wastewater treatment and collection facilities in accordance with the requirements of the Environmental Compliance Approval. Bayshore Village Wastewater Treatment is classified as Wastewater			

Question ID	MWW172000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			

Question:

Do all operators have the appropriate level of training and or experience for the wastewater treatment and collection facilities in accordance with the requirements of the Environmental Compliance Approval?

Compliance Response(s)/Corrective Action(s)/Observation(s):

All operators have the appropriate level of training and or experience for the wastewater treatment and collection facilities in accordance with the requirements of the Environmental Compliance Approval.

Treatment System Class 1 and Wastewater Collection System Class 1. All operators have the required certification.

Question ID	MWW173000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 14 (1);			
Question: Do only licenced operators make adjustments to the treatment equipment?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Only licenced operators made adjustments to the treatment equipment.			

Question ID	MWW176000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 19 (1); OWRA O. Reg. 129/04 19 (2); OWRA O. Reg. 129/04 19 (3); OWRA O. Reg. 129/04 19 (4); OWRA O. Reg. 129/04 19 (5); OWRA O. Reg. 129/04 19 (6);			
Question: Do logs or other record keeping mechanisms for sewage works comply with the record keeping requirements?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The logs and other record keeping mechanisms complied with the record keeping requirements. According to the Certificat of Approval Approval # 3-1337-81-968, the Owner is obligated to: -record 'daily quantities of sewage being conveyed into the sewage treatment plant and the lagoon effluent being disposed of by spray irrigation; and -record complaint from complaints from the public and steps taken to rectify complaints. A review of the records for the inspection review period confirm compliance.			

Question ID	MWW177000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 19 (6);			
Question: Are logs and other record keeping mechanisms available for at least two (2) years?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Logs and other record keeping mechanisms were available for at least two (2) years. According to Subsection 2.2 of Environmental Compliance Approval (ECA) # 3-1337 -81-968, the Owner must retain all records and information related to or resulting from the monitoring activities required by the certificate.			

Question ID	MWW178000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Do the operations and maintenance manuals meet the requirements of the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The operations and maintenance manuals met the requirements of the Environmental Compliance Approval. Condition 3.5 of Certificate of Approval 3-1337-81-968 requires that based on the performance requirements and operational objectives stipulated above in Conditions 1.1 through 1.4 and 3.1 through 3.3, the Owner shall prepare an operations manual within six (6) months of the commissioning of the sewage works and keep it up to date. Upon request, the Owner shall make the manual available for inspection by Ministry personnel and furnish a copy to the Ministry.			

Question ID	MWW180000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2); OWRA O. Reg. 129/04 20 (1); OWRA O. Reg. 129/04 20 (2);			
Question: Do the operations and maintenance manuals contain up-to-date plans, drawings and process descriptions sufficient for the safe and efficient operation of the sewage works?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The operations and maintenance manuals contained up-to-date plans, drawings and process descriptions sufficient for the safe and efficient operation of the system. The available manuals appear to provide sufficient information/guidance for the safe and efficient operation of the subsystem. The documents and regulatory references in the			

Operations and Maintenance manuals don't appear to be up-to-date. The Township regularly reviews the manuals and typically updates them once a year. OCWA has a FEP (Facility Emergency Plan) binder which is an extension of the O/M that operators have access to. The binder includes Facility Emergency Plan (FEP) Binders, WMS Work Orders /Job Plans, Drawings ,SDS Binders, online manufacturer's manuals, contact information.

Question ID	MWW179000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2); OWRA O. Reg. 129/04 20 (2); OWRA O. Reg. 129/04 21 (1);			
Question: Do operators and maintenance personnel have ready access to operations and maintenance manuals?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Operators and maintenance personnel had ready access to operations and maintenance manuals. The individual Operations and Maintenance Manuals for each system are stored in the system spray irrigation pumphouse. A recommendation would be to have electronic access to it remotely on phone for operators to pull up when needed.			

Question ID	MWW181000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: If not required by an Environmental Compliance Approval, has a spill prevention control and countermeasures plan (i.e. contingency plan) been established?			
Compliance Response(s)/Corrective Action(s)/Observation(s): A spill prevention control and countermeasures plan was established. A spill prevention control and countermeasures plan was established. According to Subsection 3.8 of Environmental Compliance Approval (EGA)# 3-1337-81-968, the Owner must ensure contingency plans and procedures are established and adequate equipment and material are available for dealing with:"emergency and upset conditions including equipment breakdowns at the sewage works, flooding, overflows of raw and partly treated sewage and spills of sludge into or out of the sewage works. The Owner shall establish notification procedures to be used to contact the District Manager and other relevant authorities in the case of an emergency and upset conditions." A review of the plans and procedures contained within the Bayshore Village Sewage Works Operations and Maintenance Manual confirms these conditions have been complied with as well as the contingency plan was sent to inspector during inspection review.			

Question ID	MWW184000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: Is spill containment provided for the process chemicals and/or standby power generator fuel?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Spill containment was provided for the process chemicals and/or standby power generator fuel. A spill response kit is housed at the Bayshore Village Sewage Works and is readily available in the event of a spill within the pumping station. There is no stand-by generator onsite. The Township has a portable generator that can be connected to any pumping station requiring power.			

Question ID	MWW185000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Has the owner provided security measures for the facility?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had provided security measures for the facility. Cof A 3-113337-81-968 section 3.4 The owner shall provide and maintain: a) permanent fence around the entire spray irrigation fields, and b) suitably posted signs at all points of access to all spray irrigation fields, indicating that treated sewage effluent is being used to irrigate the field and that trespassing is prohibited. The Bayshore Village Sewage Works buildings are vinyl and steel-clad buildings with locking steel doors. "No Trespassing" signage and the Township's contact information are prominently displayed on the building doors and access gates. The buildings are equipped with an unauthorised entry security alarm on all the exterior doors. The lagoons and spray fields are encompassed by a permanent fence. The pumping stations in the distribution system are locked. No other part of the collection system appears to be at risk due to inadequate security. It was brought to my attention that fencing wasn't enclosing the entire spray irrigation fields. I was on site on October 1, 2024 it was noted that there was missing fencing in the North and South field as well as areas where it was overgrown or pushed down due to trees falling on it. OCWA and the Township were told no spraying was to occur until all the fencing had gone up and the Ministry had been on site to determine it met CofA requirements. October 29, 2024, went and saw fencing had been completed. The operating authority was advised that MECP staff would attend the site prior to the 2025 spray season to confirm fencing. It is recommended that staff do a perimeter walk at start of season to determine that the fencing is intact and not damaged or overgrown.			

As well during the winter months when hauling from the lagoons was occurring main gate to the sputh feild and both lagoon were left open on a few occasions due to snow not being removed for in front of gate to close and communnication with haluage company on the responsibilities . It is recommend thatthe Municipality enter into an agreement with their contracted haulers to ensure the gate is clear of snow and that the site entrance gate be closed and locked at the end of each day.