

COCHRANE

WATER / WASTE WATER SERVICES



GLACKMEYER LAGOON

2015 ANNUAL REPORT

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2015 Annual Report

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ANNUAL
PERFORMANCE
REPORT

ANNUAL SUMMARY

Annual Performance Report

This report is prepared to comply with Section 23 of the Special Terms and Conditions of the Certificate of Approval Number 3-0113-79-817. The report shall contain:

- (i) A summary of all monitoring data and analytical data collected relative to the works during the 2014 reporting period;

No flow meters are installed at the Glackmeyer Lagoon

RAW SEWAGE RESULTS

RAW SEWAGE	MONTHLY AVERAGE RESULTS
BOD	91.92 mg/l
SUSPENDED SOLIDS	91.17 mg/l
TOTAL PHOSPHORUS	2.90 mg/l
TKN	28.89 mg/l
AMMONIA	16.04 mg/l

- (II) a comprehensive interpretation of all monitoring data and analytical data collected relative to the works during the reporting period of 2015, and a comparison to the effluent quality and quantity criteria described in Section 19;

The following are samples taken before and during discharging the Glackmeyer Lagoon.

Test	Prior to Discharge May 12, 2015	During Discharge May 21, 2015	During Discharge May 22, 2015
Sulphate	<1		
pH	8.17		
BOD	<2	<1.5	<2
SUSPENDED SOLIDS	<1	<1	1
TKN	0.81	<0.4	<0.4
PHOSPHORUS	0.05777	0.239	0.301
E.Coli		5	1
AMMONIA		<0.1	0.097
NITRATE		<0.1	<0.1
NITRITE		<0.03	<0.03

- (iii) a tabulation and description of any bypass or upset condition which occurred during the period being reported upon.

No bypasses occurred this year.

- (iv) a summary of any effluent assurance or control measures undertaken in the reporting period;

The monitoring programs consists of regular weekly rounds ensuring all equipment is functioning (valves) and take a weekly pH sample in both lagoons during months were access is available (ex. snow) and weekly from the pumping station pit.

- (v) a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming apart of the works;

No maintenance was performed at the lagoons, only routine grass cutting.

- (vi) a description of any operating problems encountered and corrective actions taken during the reporting period;

None.

- (vii) a summary of any proposed alteration, extension or replacement in the process or operation of the works to be completed over the next reporting period which may require approval under the Ontario Water Resources Act;

1. Flow meter to monitor flow into lagoons.

2. Flow meters on each discharge line for each cell.

- (viii) an evaluation of the calibration and maintenance procedures conducted on all monitoring equipment;

No equipment that requires calibration.

- (ix) an evaluation of the need for modifications to the works to improve performance and reliability and to minimize upsets / bypasses;

As per section (vii)

At this time, the Town of Cochrane is evaluating the need for modifications to the works to improve performance and reliability and to minimize upsets / bypasses. One possible modification includes installing a flow meter to calculate flow entering the lagoon and at the end of the discharge line for both cells.

This is the report on the Cochrane Waste Water Treatment Plant for the year 2015. I certify that the information in this document and all the attachments are correct, accurate and complete to the best of my knowledge.

Prepared by,
Melissa Hoogenhoud
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Respectfully submitted and revised by:

Lynn Chapleau
Compliance Supervisor

BYPASS SUMMARY

NOTIFICATION AND LAB RESULTS

