municipality of cumberland

Tender Number: RFP-MCC-2006

ASSESSMENT, OPERATIONAL REVIEW, AND DESIGN WALLACE NOVA SCOTIA WASTE WATER TREATMENT FACILITY

Addendum #2

The following documents are additional information for the RFP:

1. Please contact Justin Waugh-Cress if you are interested in a site visit. jwaugh-cress@cumberlandcounty.ns.ca

2. Effluent Criteria from our current approval to operate.

The Facility and associated sewage collection system shall be managed and operated in such a manner that the effluent being discharged from the Facility meets the following criteria:

Carbonaceous Biochemical Oxygen Demand, CBOD5, shall not exceed 25 mg/I; and

Total Suspended Solids, TSS, shall not exceed 25 mg/I; and

E-coli shall not exceed 200 MPN/lOOmls, and

Disinfection of the effluent from the Facility shall be continuous; and

pH -6to 9; and

Nutrient levels (Phosphates (P04), Nitrates (NO3), Ammonia (NH3)) shall be in compliance with site specific Effluent Discharge Objectives, established through Environmental Risk Assessments, as required by the Department.

Parameter	**Wallace**
Date- January	**Jan 4 2019**
TSS	15
BOD	8
Fecal	53
PH	7.52
Unionized Ammonia	0.12
Total Nitrogen	15.2
Ammonia as N	13.4
Total Kjeldahl Nitrogen as N	14.3
Parameter	**Wallace**
Date: February	**Feb 6 2019**
TSS	17
BOD	7
Fecal	31
PH	7.48
Unionized Ammonia	0.11
Total Nitrogen	14.5
Ammonia as N	13.7
Total Kjeldahl Nitrogen as N	14.1
Parameter	**Wallace**
Date: March	**Mar 6 2019**
TSS	13
BOD	6
Fecal	1
PH	7.75
Unionized Ammonia	0.26
Total Nitrogen	23.9
Ammonia as N	20.2
Total Kjeldahl Nitrogen as N	22.7
Parameter	**Wallace**
Date: April	**April 2 2019**
TSS	14
BOD	4
Fecal	7
PH	7.65
Unionized Ammonia	0.18
Total Nitrogen	16.5
Ammonia as N	14.8
Total Kjeldahl Nitrogen as N	15.4
Parameter	**Wallace**
Date: May	**May 2 2019**
TSS	5
BOD	4
Fecal	1
PH	7.75
Unionized Ammonia	0.13
Total Nitrogen	12.2
Ammonia as N	8.39
Total Kjeldahl Nitrogen as N	11.6
Parameter	**Wallace**
Date: June	**June 11 2019**
TSS	5
BOD	4
Fecal	1
PH	7.76
Unionized Ammonia	0.21
Total Nitrogen	16.8
Ammonia as N	13.4

Total Kjeldahl Nitrogen as N	16.7
Parameter	**Wallace**
Date: July	**July 3 2019**
TSS	5
BOD	6
Fecal	141
PH	7.66
Unionized Ammonia	0.22
Total Nitrogen	20.6
Ammonia as N	17.6
Total Kjeldahl Nitrogen as N	20.1
Parameter	**Wallace**
Date:August	**Aug 8 2019**
TSS	12
BOD	6
Fecal	1
PH	7.88
Unionized Ammonia	0.34
Total Nitrogen	18.5
Ammonia as N	16.8
Total Kjeldahl Nitrogen as N	18
Parameter	**Wallace**
Date: September	**Sept 4 2019**
TSS	22
BOD	4
Fecal	10
PH	7.72
Unionized Ammonia	0.25
Total Nitrogen	16.1
Ammonia as N	17.5
Total Kjeldahl Nitrogen as N	15.5
Parameter	**Wallace**
Date: October	**Oct 3 2019**
TSS	5
BOD	3
Fecal	3
PH	7.78
Unionized Ammonia	0.33
Total Nitrogen	27.7
Ammonia as N	20.5
Total Kjeldahl Nitrogen as N	26.9
Parameter	**Wallace**
Date: November	**Nov 7 2019**
TSS	6
BOD	2
Fecal	1
PH	7.94
Unionized Ammonia	0.5
Total Nitrogen	25.7
Ammonia as N	21.4
Total Kjeldahl Nitrogen as N	22
Parameter	**Wallace**
Date: December	**Dec 4 2019**
TSS	5
BOD	4
Fecal	5
PH	7.84
Unionized Ammonia	0.27
Total Nitrogen	19.1
Ammonia as N	14.4
Total Kjeldahl Nitrogen as N	16.1