

Town of Ridgeland, SC
Request for Qualifications (RFQ)
On-Call Engineering Support Services
Addendum #1 January 18, 2017

Item #1 – Current NPDES Discharge Permits:

Attachments “A “and “B” to this Addendum are the three Effluent Limitations and Monitoring Requirements sheets from the current NPDES Surface Water Discharge Permit issued by SCDHEC effective January 1, 2015 and expiring on September 30, 2018. Available discharge locations and flow area as follows:

- Land Application on Existing Turf Farm (Outfall #1)– 0.8 mgd
- Discharge to Surface Waters @ Captain Bills Creek (Outfall #2)- 1.6 mgd

Currently the Town operates using Outfall #1 located at the Nimmer Turf Farm approximately 2.25 miles from the existing WWTF.

Item #2 – WWTF Site Visit:

Site visits to the Town’s existing WWTF can be scheduled through Mr. Timmy Sauls, Water and Sewer Chief Operator. He can be reached at (843) 321-0789

End of Addendum #1

Part III. Limitations and Monitoring Requirements

A. Effluent Limitations and Monitoring Requirements

1. FINAL LIMITS, LAND APPLICATION: During the period beginning on the effective date of this permit and lasting through the expiration date, the permittee is authorized to discharge WWTP effluent from outfall serial #001. Such discharge shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS					MONITORING REQUIREMENTS			
	Pounds per Day		Other Units			Measurement Frequency	Sample Type	Sample Point	
	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Daily Maximum				
Flow	---	---	0.80 MGD	0.80 MGD	---	Daily	Continuous	Effluent	
Carbonaceous Biochemical Oxygen Demand - (CBOD ₅)	167	267	25 mg/l	40 mg/l	---	Weekly	24 Hour Composite	Effluent	
Total Suspended Solids (TSS)	600	901	90 mg/l	135 mg/l	---	Weekly	24 Hour Composite	Effluent	
Nitrates (Total as N)	---	---	MR mg/l	MR mg/l	---	Weekly	24 Hour Composite	Effluent	
Hardness ⁹ as CaCO ₃	---	---	MR mg/l	---	MR mg/l	1 / Quarter	Grab	Effluent	
Dissolved Oxygen (DO)	---	---	1.0 mg/l Minimum at all times			Daily	Grab	Effluent	
pH	---	---	6.0 - 8.5 Standard Units			Daily	Grab	Effluent	

- There shall be no simultaneous discharges under this (SC00049158) and ND00067971 permits to the referenced (see Part III.E.) Land Application sites. Discharge to Land Application Sites shall not exceed 0.80 MGD and any excess may be discharged via Outfall 002 under Part III.A.2 or -3. limitations.

A. Effluent Limitations and Monitoring Requirements

3. **FINAL LIMITS, DISCHARGE TO SURFACE WATER:** During the period beginning on the first of the month following Operational Approval Issuance for 1.6 MGD and lasting through the expiration date, the permittee is authorized to discharge WWTP effluent from Outfall 002. Such discharge shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS						MONITORING REQUIREMENTS		
	Pounds per Day			Other Units			Measurement Frequency	Sample Type	Sample Point
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum			
Flow				MR MGD	MR MGD		1 / Week	Cont.	Eff.
BOD ₅	107	161		8.0 mg/l	12.0 mg/l		1 / Week	24 Hr C	Eff.
TSS	400	600		30.0 mg/l	45.0 mg/l		1 / Week	24 Hr C	Eff.
NH ₃ -N (Mar-Oct)	13	20		1.0 mg/l	1.5 mg/l		1 / Week	24 Hr C	Eff.
NH ₃ -N (Nov-Feb)	44	66		3.3 mg/l	4.9 mg/l		1 / Week	24 Hr C	Eff.
TRC * ^o	0.1469		0.2537	0.011 mg/l		0.019 mg/l	1 / Week	Grab	Eff.
DO				6.0 mg/l Minimum at all times			Week Days	Grab	Eff.
pH				6.0 - 8.5 Standard Units			Week Days	Grab	Eff.
BOD ₅ (% Removal) [◆]				85% (Minimum)			1 / Month	Calc.	
TSS (% Removal) [◆]				85% (Minimum)			1 / Month	Calc.	
Hardness ^o as CaCO ₃				MR mg/l		MR mg/l	1 / Quarter	Grab	Eff.
Total Cadmium ^o (Cd)	MR		MR	MR mg/l		MR mg/l	1 / Quarter	24 Hr C	Eff.
Total Copper ^o (Cu)	MR		MR	MR mg/l		MR mg/l	1 / Quarter	24 Hr C	Eff.
Total Lead ^o (Pb)	MR		MR	MR mg/l		MR mg/l	1 / Quarter	24 Hr C	Eff.
Total Zinc ^o (Zn)	MR		MR	MR mg/l		MR mg/l	1 / Quarter	24 Hr C	Eff.
Total Mercury ^o (Hg)	0.00068		0.00099	0.000051 mg/l		0.000075 mg/l	2 / Year	Grab	Eff.

- * The permittee may report TRC as Zero provided (UV disinfection was used and) the discharge was not chlorinated
- ◆ See Part V.H.
- o See Part V.G.5.