APPENDIX A: NON-TRADITIONAL EVALUATION

Criteria, Rev 2	**Score Criteria**				
	1	2	3	4	5
Design flexibility for adding capacity	Not Scalable	Portions of Treatment only can be scaled up	Can only be scaled up for loads or flows	Portions of both can be scaled up	Can be scaled up for both flows and loads
Environmental Impacts	Negative Impacts	Some Negative impacts	No Impacts	Some positive impacts	Positive Impacts
Implementation Constraints	Constraints with no mitigation possible	Some constraints with equal mitigation	Some contstraints	Few constraints	No Constraints
Nitrogen Removal	No Removal	0-49% removal	50% Removal	50-75% Removal	Greater than 75% removal
Monitoring Requirements	Requires daily oversight	Requires monthly oversight	Requires Quarterly oversight	Requires semi annual oversight	Requires annual oversight
Odor Emissions	High Odorous impact near waterfront	Odorous impact	Inland treatment with neighborhood impacts	Some odor, mild	No odor impact, removed from villages completely
Land Area Requirements	>10 Acres	5-10 Acres	3-5 Acres	1-3 Acres	<1 Acre
Implementation Risk	High Risk, Technology Unapproved	Moderate Risk, Technology in Pilot	Mild Risk with mitigation for implementation	Some risk, low to mild impacts to implement	No Risk, No impact to implement
Maintenance/operation requirements	Daily Inspection, Daily Mainteance	Daily Inspection, Frequent maintenance	Monthly Inspection and Mainteance	Quarterly Inspection and Annual Maintenance	Annual or Bi Annual inspection and maintenance only as needed
Greenhouse Gas (GHG) Emissions	Permanent impacts and contribution	Construction with some permanent impacts	Temporary Construction Only (2-5 years)	Temporary Construction Only (1-2 years)	No permanent increase in GHG emissions
Public Acceptance & Political Feasibility	No	Maybe-No	Maybe	Maybe-Yes	Yes
Alignment with Local Comprehensive Plan and Town Mission	No	Maybe-No	Maybe	Maybe-Yes	Yes
Resiliency to Climate Change	No adaptation possible	Technology adaptation difficult	Technology not resilient, but smome adaptation possible	Technology requires easy adaptation for resiliency	Technology is adaptable to climate changes

			Category Weight -->		*4%*	*3%*	*8%*
#	**Technology**	**Type**	**Raw Total (Unweighted)**	**Weighted Total**	**Design flexibility for adding capacity**	**Environmental Impacts**	**Implementation Constraints**
1	Cluster Treatment System	Source Reduction	✗ 40	! 3.48	4	4	3
2	Aquaculture	Source Reduction	✗ 40	✗ 3.07	2	5	2
3	Fertilizer Management	Source Reduction	✓ 53	! 4.06	5	4	5
4	*Remediation of Existing Development*	Source Reduction	✓ 52	! 4.34	5	5	3
5	*Compact and Open Space Development*	Source Reduction	✓ 58	✓ 4.64	5	5	2
6	*Transfer of Development Rights*	Source Reduction	! 48	✗ 3.42	5	5	1
7	Innovative/Alternative (I/A)*	Source Reduction	! 50	✓ 4.35	4	4	3
9	I/A Hybrid or Enhanced Systems (2+ technologies)*	Source Reduction	! 50	✓ 4.42	4	4	3
10	Coastal and Wetland Habitat Restoration	Restoration	! 46	! 3.85	3	5	2
11	Dredging and Maintenance	Restoration	✗ 44	! 3.95	4	4	3
12	Phytoremediation	Groundwater Remediation	! 47	! 4.12	2	5	3
13	Permeable Reactive Barriers (PRBs)	Groundwater Remediation	✗ 39	! 3.90	2	4	2
14	Stormwater BMPs	Groundwater Remediation	✓ 55	✓ 4.49	5	5	5

			Category Weight -->		*12%*	*7%*	*1%*
#	**Technology**	**Type**	**Raw Total (Unweighted)**	**Weighted Total**	**Nitrogen Removal**	**Monitoring Requirements**	**Odor Emissions**
1	Cluster Treatment System	Source Reduction	✗ 40	! 3.48	3	2	3
2	Aquaculture	Source Reduction	✗ 40	✗ 3.07	2	2	5
3	Fertilizer Management	Source Reduction	✓ 53	! 4.06	3	4	3
4	*Remediation of Existing Development*	Source Reduction	✓ 52	! 4.34	3	4	5
5	*Compact and Open Space Development*	Source Reduction	✓ 58	✓ 4.64	5	4	5
6	*Transfer of Development Rights*	Source Reduction	! 48	✗ 3.42	5	4	5
7	Innovative/Alternative (I/A)*	Source Reduction	! 50	✓ 4.35	3	4	3
9	I/A Hybrid or Enhanced Systems (2+ technologies)*	Source Reduction	! 50	✓ 4.42	4	4	3
10	Coastal and Wetland Habitat Restoration	Restoration	! 46	! 3.85	2	1	5
11	Dredging and Maintenance	Restoration	✗ 44	! 3.95	5	2	4
12	Phytoremediation	Groundwater Remediation	! 47	! 4.12	4	2	5
13	Permeable Reactive Barriers (PRBs)	Groundwater Remediation	✗ 39	! 3.90	4	2	3
14	Stormwater BMPs	Groundwater Remediation	✓ 55	✓ 4.49	4	1	4

			Category Weight -->		*2%*	*5%*	*5%*
#	**Technology**	**Type**	**Raw Total (Unweighted)**	**Weighted Total**	**Land Area Requirements**	**Implementation Risk**	**Maintenance/ Operation requirements**
1	Cluster Treatment System	Source Reduction	✗ 40	! 3.48	4	2	4
2	Aquaculture	Source Reduction	✗ 40	✗ 3.07	1	3	5
3	Fertilizer Management	Source Reduction	✓ 53	! 4.06	1	5	5
4	*Remediation of Existing Development*	Source Reduction	✓ 52	! 4.34	4	5	3
5	*Compact and Open Space Development*	Source Reduction	✓ 58	✓ 4.64	4	5	5
6	*Transfer of Development Rights*	Source Reduction	! 48	✗ 3.42	1	5	4
7	Innovative/Alternative (I/A)*	Source Reduction	! 50	✓ 4.35	4	5	5
9	I/A Hybrid or Enhanced Systems (2+ technologies)*	Source Reduction	! 50	✓ 4.42	4	4	5
10	Coastal and Wetland Habitat Restoration	Restoration	! 46	! 3.85	1	3	5
11	Dredging and Maintenance	Restoration	✗ 44	! 3.95	1	2	5
12	Phytoremediation	Groundwater Remediation	! 47	! 4.12	1	3	4
13	Permeable Reactive Barriers (PRBs)	Groundwater Remediation	✗ 39	! 3.90	2	2	4
14	Stormwater BMPs	Groundwater Remediation	✓ 55	✓ 4.49	5	5	4

			Category Weight -->		*1%*	*2%*	30%	20%
#	**Technology**	**Type**	**Raw Total (Unweighted)**	**Weighted Total**	**Greenhouse Gas (GHG) Emissions**	**Resiliency to Climate Change**	**Public Acceptance/ Political Feasibility**	**Alignment with Local Comprehensive Plan/Town Goals**
1	Cluster Treatment System	Source Reduction	✗ 40	! 3.48	1	2	4	4
2	Aquaculture	Source Reduction	✗ 40	✗ 3.07	4	2	3.5	3.5
3	Fertilizer Management	Source Reduction	✓ 53	! 4.06	5	5	4	4
4	*Remediation of Existing Development*	Source Reduction	✓ 52	! 4.34	2	3	5	5
5	*Compact and Open Space Development*	Source Reduction	✓ 58	✓ 4.64	4	4	5	5
6	*Transfer of Development Rights*	Source Reduction	! 48	✗ 3.42	5	2	3	3
7	Innovative/Alternative (I/A)*	Source Reduction	! 50	✓ 4.35	2	3	5	5
9	I/A Hybrid or Enhanced Systems (2+ technologies)*	Source Reduction	! 50	✓ 4.42	2	3	5	5
10	Coastal and Wetland Habitat Restoration	Restoration	! 46	! 3.85	4	5	5	5
11	Dredging and Maintenance	Restoration	✗ 44	! 3.95	2	3	4	5
12	Phytoremediation	Groundwater Remediation	! 47	! 4.12	5	3	5	5
13	Permeable Reactive Barriers (PRBs)	Groundwater Remediation	✗ 39	! 3.90	3	1	5	5
14	Stormwater BMPs	Groundwater Remediation	✓ 55	✓ 4.49	4	3	5	5