



# Water Quality Program

## Permit Submittal Electronic Certification

**Permittee:** MT VERNON WWTP

**Permit Number:** WAG994578

**Site Address:** 1401 BRITT RD  
MOUNT VERNON, WA 98273-6511

**Submittal Name:** Nitrogen Optimization Report for MODERATE Loaders

**Version:** 1

**Due Date:** 3/31/2023

### Questionnaire

Number	Permit Section	Question	Answer
1	S5.C.2.b.i	Did your facility stay below the Action Level in S5.b, Table 8 or Table 9 for applicable jurisdictions with bubbled action levels?	Yes
1a	S5.C.2.b.i	Attach a document listing the contribution of each of your individual facilities to the total bubble allocation for the reporting period	MV Nitrogen Optimization Plan _1a_03292023131439
2	S5.C.2.b.i	Did your facility stay below a 10 mg/L annual average TIN concentration?	No
3	S5.C.1.a	Attach a document describing the assessment method applied to evaluate the existing treatment process.	MV Nitrogen Optimization Plan _3_03292023133443
4	S5.C.1.a.i	What is your pre-optimization TIN removal rate, expressed as a percentage?	34
5	S5.C.1.a	Attach a document explaining your initial approach for optimization.	MV Nitrogen Optimization Plan _5_03292023133443
7	S5.C.1.b	Do viable optimization strategies exist for your current treatment process?	Yes
7a	S5.C.1.b	Attach a document listing and prioritizing the potential optimization strategies capable of meeting your action level that were developed for S5.C.1.a.ii.	MV Nitrogen Optimization Plan _7a_03292023133444
8	S5.C.1.b	Did all of the potential optimization strategies you identified and evaluated for S5.C.1.b have a reasonable implementation cost and timeframe?	No
8a	S5.C.1.b	Attach a document describing the feasibility and cost analysis that led to the exclusion of any approach.	MV Nitrogen Optimization Plan _8a_03292023133444
9	S5.C.1.c	Attach a document describing your preferred optimization strategy for implementation in 2022 (selection due July 1).	MV Nitrogen Optimization Plan _9_03292023133518
10	S5.C.1.c.	What is the expected performance for the selected optimization strategy?	50 %
11	S5.C.2.a	Attach a document describing optimization plan implementation including start date, schedule for full implementation, initial costs, and challenges including impacts to other measures of plant treatment performance.	MV Nitrogen Optimization Plan _11_03292023133545

12	S5.C.2.b.ii	What TIN removal rate was observed during the reporting period?	34
13	S5.C.3.a, S5.C.3.b	Attach a document describing your ongoing investigation to reduce influent TIN loads from septage handling practices, commercial, dense residential and industrial sources.	MV Nitrogen Optimization Plan _13_03292023133645
18	S7, S9.A	Did you submit discharge monitoring reports according to the required schedule?	Yes
19	S9.F	Are you retaining all applicable records?	Yes
20	S9.G	Did you follow noncompliance notification requirements?	Yes

*I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Gary Duranceau

3/29/2023 1:44:25 PM

Signature

Date