Chemical Analysis Report

NW-DIST-2023-03-15-01

Florida DEP Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **Dune Lakes Run**
Request ID: **RQ-2023-03-13-25**
Customer: **NW-DIST**
Project ID: **SMP**

Send Reports to:
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Certified by: Thekkekalathil Chandrasekhar, Environmental Consultant Date Certified: 04-APR-2023 10:24

Case Narrative

Unless otherwise noted, all samples included in this report were received in accordance with protocols referenced in Chapter 62-160, Florida Administrative Code (F.A.C.). Results published in this report pertain only to the samples as submitted to, and received by the laboratory. All times in this report are adjusted to the applicable Eastern Time Zone (EST or EDT).

Results for the following analytical group are included in this report: Nutrients.

Scientific notation may be used in reporting very large or small values. Values reported using scientific notation will take the form of the following example: 1.3E+03, which is equivalent to 1.3×10^3 or 1300.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

Results for TNI accredited tests met requirements established by The NELAC Institute. A double asterisk (**) is used to indicate an analyte/matrix/method for which the laboratory is not TNI accredited by the Florida Department of Health Environmental Laboratory Certification Program or where accreditation for that field of testing is not applicable.

Any significant anomalies or deviations from established protocols are documented in Non-Conformance Reports, which, where appropriate, are included within this analytical report. Additional comments related to specific analytical tests may be included as remarks following the analytical results for each sample. Such comments and remarks are for informational purposes only and are not intended to convey judgement about the usability of the reported data.

A quality control report on the performance of the test method for the submitted samples is included. Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published quality control acceptance limits for each analytical test. Matrix quality control results (matrix spike recoveries and matrix sample precision) pertain only to the matrix sample tested and do not necessarily reflect test method performance for other samples.

Typical matrix quality control (QC) measurements may include matrix spike recovery, matrix spike duplicate recovery, matrix spike precision and matrix sample precision. Not all matrix QC results may be available or reportable; where they are not an explanation is provided. Typical reasons for unavailable QC results include, but are not limited to, a) insufficient matrix sample to perform some or all QC measurements; b) analyte concentration in the sample replicated was too low for a meaningful measurement of precision and c) analyte concentration in the matrix sample spiked was too high (relative to the amount of analyte spiked) for a meaningful measurement of recovery. Where matrix QC results are unavailable, other method performance metrics (e.g., LCS recovery, LCS precision, surrogate recovery) may be used to assess performance of the method. Comments explaining any missing QC measurements are not intended to convey any adverse conclusions about the quality of the reported data.

Precision is reported as relative percent difference unless otherwise noted.

Quality Control codes as defined below may be used in this report to indicate results that are associated with one or more quality control elements which did not fall within established test method criteria. Such results may be qualified as estimates using a J qualifier as required by 62-160 F.A.C. Explanations are included in the report for any results that were reported as estimates for other reasons.

QC Codes used in this report may include:

- LCS – Recovery for the batch Laboratory Control Sample (LCS) was outside existing control limits;
- MS – Recovery for the batch matrix spike (MS) was outside existing control limits;
- CCV – Recovery for a continuing calibration verification (CCV) standard was outside existing control limits;
- SUR – Recovery of a surrogate (SUR) for associated analytes was outside existing control limits;
- RPD – The precision, measured as relative percent difference (RPD), of batch replicate measurements was outside existing control limits;
- RSD – The precision, measured as relative standard deviation (RSD), of batch replicate measurements was outside existing control limits;
- SMP – Sample - used precision derived from replicate analyses of a sample;

The following data qualifiers are used, where applicable, in this report as specified in 62-160 F.A.C.

- A - Value reported is the mean of two or more determinations.
- B - Results based on colony counts outside the acceptable range.
- I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J - Estimated value and/or the analysis did not meet established quality control criteria.
- K - Actual value is known to be less than value given.
- L - Actual value is known to be greater than value given.
- N - Presumptive evidence of presence of material.
- O - Sampled, but analysis lost or not performed.
- Q - Sample held beyond normal holding time.
- T - Value reported is less than the criterion of detection.
- U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
- V - Analyte was detected in both sample and method blank.
- X - Too few individuals to calculate SCI value.
- Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z - Colonies were too numerous to count (TNTC).

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Sample Location: Western Lake **Collection Date/Time: 03/13/2023 11:30**

Field ID: G3NW0007 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2393780	DEP SOP: NU-094-1	Color (true)	50		PCU	P427213	
	EPA 180.1 Rev. 2.0	Turbidity	0.60	I	NTU	P427199	
	EPA 300.0 Rev. 2.1	Chloride	4.4E+03		mg Cl/L	P427542	
		Sulfate	620		mg SO4/L	P427545	
	SM 2320 B-2011	Total Alkalinity	41	A	mg CaCO3/L	P427291	
	SM 2540 C-2015	TDS	7.16E+03		mg/L	P427644	
	SM 2540 D-2015	TSS	2	I	mg/L	P427537	
	SM 4500-F- C-2011	Fluoride	0.26		mg F/L	P427293	
2393782	EPA 350.1 Rev. 2.0	Ammonia-N	0.007		mg N/L	P427569	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.25	I	mg N/L	P427382	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.009	I	mg N/L	P427699	
	EPA 365.1 Rev. 2.0	Total-P	0.005	I	mg P/L	P427301	
	SM 5310 B-2011	Organic Carbon	6.8		mg C/L	P427459	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Alligator Lake **Collection Date/Time: 03/13/2023 11:00**

Field ID: G3NW0219 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2393781	DEP SOP: NU-094-1	Color (true)	150		PCU	P427213	
	EPA 180.1 Rev. 2.0	Turbidity	2.3		NTU	P427199	
	EPA 300.0 Rev. 2.1	Chloride	4.3E+03		mg Cl/L	P427542	
		Sulfate	600		mg SO4/L	P427545	
	SM 2320 B-2011	Total Alkalinity	33		mg CaCO3/L	P427291	
	SM 2540 C-2015	TDS	6.62E+03		mg/L	P427644	
	SM 2540 D-2015	TSS	3	I	mg/L	P427537	
	SM 4500-F- C-2011	Fluoride	0.24		mg F/L	P427293	
2393783	EPA 350.1 Rev. 2.0	Ammonia-N	0.063		mg N/L	P427569	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.47		mg N/L	P427382	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.012		mg N/L	P427699	
	EPA 365.1 Rev. 2.0	Total-P	0.014		mg P/L	P427301	
	SM 5310 B-2011	Organic Carbon	12		mg C/L	P427459	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P427213

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P427199

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427542

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427545

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P427569

Component	Result	Code	Units
Ammonia-N	0.002	U	mg N/L

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P427382

Component	Result	Code	Units
Kjeldahl Nitrogen	0.080	U	mg N/L

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P427699

Component	Result	Code	Units
NO2NO3-N	0.004	U	mg N/L

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427301

Component	Result	Code	Units
Total-P	0.002	U	mg P/L

Reference Method: SM 2320 B-2011
Batch ID: P427291

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO3/L

Quality Assurance Report
Method Blank Results

Reference Method: SM 2540 C-2015
Batch ID: P427644

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P427537

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P427293

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P427459

Component	Result	Code	Units
Organic Carbon	0.50	U	mg C/L

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: NU-094-1
Batch ID: P427213

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.0		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P427199

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	101		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427542

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	102		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427545

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	100		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P427569

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	97.8		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P427382

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	102		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P427699

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	103		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427301

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	101		P	90 - 110

Reference Method: SM 2320 B-2011
Batch ID: P427291

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	95.1		P	94 - 106

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 2540 C-2015
Batch ID: P427644

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	105		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P427537

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	99.0		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P427293

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.2		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P427459

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	96.0		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427542

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393770	Chloride	102		P	90 - 110
2393834	Chloride	100		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427545

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393770	Sulfate	99.5		P	90 - 110
2393834	Sulfate	97.9		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P427569

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393782	Ammonia-N	99.4	98.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P427382

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393602	Kjeldahl Nitrogen	92.6	93.3	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P427699

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393782	NO2NO3-N	99.6	99.2	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427301

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393952	Total-P	97.1	96.8	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P427293

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393780	Fluoride	98.5	99.2	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P427459

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2393748	Organic Carbon	95.3	94.0	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P427213

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393741	Color (true)	0.0514	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P427199

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393740	Turbidity	8.70	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427542

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393770	Chloride	0.557	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P427545

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393770	Sulfate	1.06	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P427569

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393782	Ammonia-N	0.532	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P427382

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393602	Kjeldahl Nitrogen	0.589	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P427699

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393782	NO2NO3-N	0.482	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P427301

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393952	Total-P	0.313	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: SM 2320 B-2011
Batch ID: P427291

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393780	Total Alkalinity	1.11	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2015
Batch ID: P427644

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393812	TDS	5.30	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P427293

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393780	Fluoride	0.483	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P427459

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2393748	Organic Carbon	1.11	Spike	P	0 - 20

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report
Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A118016
Included Lab Sample IDs: 2393780, 2393781

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	100	100	P/P	95 - 105

Reference Method: DEP SOP: NU-094-1
Run ID: A118025
Included Lab Sample IDs: 2393780, 2393781

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	97.3	99.5	P/P	90 - 110

Reference Method: SM 2320 B-2011
Run ID: A118053
Included Lab Sample IDs: 2393780, 2393781

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	94.5	96.0	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A118053
Included Lab Sample IDs: 2393780, 2393781

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	102	100	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A118076
Included Lab Sample IDs: 2393782, 2393783

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.2	98.5	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A118124
Included Lab Sample IDs: 2393780, 2393781

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	97.5	98.7	P/P	90 - 110
Sulfate	97.8	99.6	P/P	90 - 110

Reference Method: SM 5310 B-2011
Run ID: A118128
Included Lab Sample IDs: 2393782, 2393783

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.4	95.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A118148
Included Lab Sample IDs: 2393782, 2393783

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	91.7	96.7	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A118162
Included Lab Sample IDs: 2393782, 2393783

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	100	99.2	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A118209
Included Lab Sample IDs: 2393782, 2393783

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	104	103	P/P	90 - 110

* Pass/Fail determinations are made for each bracketing calibration verification check.
Control limits for initial calibration checks may be different from those for continuing checks, depending on method requirements.
Where they are different, both control limits are provided.

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: NU-094-1	Color (true)	98.0				0.0514	
EPA 180.1 Rev. 2.0	Turbidity	101				8.70	
EPA 300.0 Rev. 2.1	Chloride	102	102	100		0.557	
	Sulfate	100	99.5	97.9		1.06	
EPA 350.1 Rev. 2.0	Ammonia-N	97.8	99.4	98.8			0.532
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	102	92.6	93.3			0.589
EPA 353.2 Rev. 2.0	NO2NO3-N	103	99.6	99.2			0.482
EPA 365.1 Rev. 2.0	Total-P	101	97.1	96.8			0.313
SM 2320 B-2011	Total Alkalinity	95.1				1.11	
SM 2540 C-2015	TDS	105				5.30	
SM 2540 D-2015	TSS	99.0					
SM 4500-F- C-2011	Fluoride	98.2	98.5	99.2			0.483
SM 5310 B-2011	Organic Carbon	96.0	95.3	94.0			1.11

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2393780, 2393781
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2393780, 2393781
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2393780, 2393781
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2393780, 2393781
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2393782, 2393783
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2393782, 2393783
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2393782, 2393783
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2393782, 2393783
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2393780, 2393781
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2393780, 2393781
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2393780, 2393781
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2393780, 2393781
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2393782, 2393783

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: NU-094-1	03/15/2023			03/15/2023 10:28	Alexis Price	2393780
	03/15/2023			03/15/2023 10:29	Alexis Price	2393781
EPA 180.1 Rev. 2.0	03/15/2023			03/15/2023 10:27	Anna M. Plaviak	2393780
	03/15/2023			03/15/2023 10:30	Anna M. Plaviak	2393781
EPA 300.0 Rev. 2.1	03/15/2023			03/23/2023 06:12	Judith K. Clark	2393780
	03/15/2023			03/23/2023 06:28	Judith K. Clark	2393781
EPA 350.1 Rev. 2.0	03/15/2023			03/23/2023 11:36	Khloe J Berg	2393782
	03/15/2023			03/23/2023 11:44	Khloe J Berg	2393783
EPA 351.2 Rev. 2.0	03/15/2023	03/21/2023 13:15	Simonne.V. Calhoun	03/22/2023 16:12	Judith K. Clark	2393782
	03/15/2023	03/21/2023 13:15	Simonne.V. Calhoun	03/22/2023 16:14	Judith K. Clark	2393783
EPA 353.2 Rev. 2.0	03/15/2023			03/27/2023 11:30	Beverly Y. Sanders	2393782
	03/15/2023			03/27/2023 11:37	Beverly Y. Sanders	2393783
EPA 365.1 Rev. 2.0	03/15/2023	03/17/2023 15:18	Adam P Silver	03/20/2023 11:02	James L Waggerby	2393782
	03/15/2023	03/17/2023 15:18	Adam P Silver	03/20/2023 11:03	James L Waggerby	2393783
SM 2320 B-2011	03/15/2023			03/16/2023 19:21	Dale L. Simmons	2393780
	03/15/2023			03/16/2023 19:34	Dale L. Simmons	2393781
SM 2540 C-2015	03/15/2023			03/17/2023 15:51	Yijie Li	2393780, 2393781
SM 2540 D-2015	03/15/2023			03/17/2023 15:51	Yijie Li	2393780, 2393781
SM 4500-F- C-2011	03/15/2023			03/16/2023 18:37	Dale L. Simmons	2393780
	03/15/2023			03/16/2023 18:52	Dale L. Simmons	2393781
SM 5310 B-2011	03/15/2023			03/22/2023 06:08	Elise M. Gillis	2393782
	03/15/2023			03/22/2023 06:26	Elise M. Gillis	2393783