Chemical Analysis Report

CEN-DIST-2022-08-31-01

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

Event Description: **3 Forks Marsh x2**
Request ID: **RQ-2022-08-29-10**
Customer: **CEN-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
3319 Maguire Blvd., Suite 232
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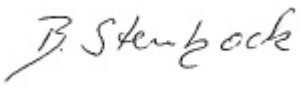
Certified by: Dr. rer. nat. Bettina Steinbock, Environmental Administrator Date Certified: 19-SEP-2022 12:42



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: SJR upstream of Lake Hellen Blazes **Collection Date/Time: 08/30/2022 10:09**

Field ID: G3CE0018 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2353351	DEP SOP: NU-094-1	Color (true)	120		PCU	P418965	
	EPA 180.1 Rev. 2.0	Turbidity	3.5		NTU	P418947	
	EPA 300.0 Rev. 2.1	Chloride	160		mg Cl/L	P419470	
		Sulfate	44		mg SO4/L	P419473	
	SM 2320 B-2011	Total Alkalinity	116	A	mg CaCO3/L	P419035	
	SM 2540 C-2011	TDS	571		mg/L	P419428	
	SM 2540 D-2011	TSS	2	I	mg/L	P419318	
	SM 4500-F- C-2011	Fluoride	0.28		mg F/L	P419623	
2353353	EPA 350.1 Rev. 2.0	Ammonia-N	0.012		mg N/L	P419157	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.5		mg N/L	P419097	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	I	mg N/L	P419294	
	EPA 365.1 Rev. 2.0	Total-P	0.052		mg P/L	P419040	
	SM 5310 B-2011	Organic Carbon	23		mg C/L	P419186	

Ref. Method and Comment:
SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 351.2 Rev. 2.0: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Sample Location: 3-Forks at 725m upstream of Bulldozer Canal **Collection Date/Time: 08/30/2022 10:25**

Field ID: G3CE0067 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2353352	DEP SOP: NU-094-1	Color (true)	110		PCU	P418965	
	EPA 180.1 Rev. 2.0	Turbidity	3.6		NTU	P418947	
	EPA 300.0 Rev. 2.1	Chloride	160		mg Cl/L	P419470	
		Sulfate	44		mg SO4/L	P419473	
	SM 2320 B-2011	Total Alkalinity	105		mg CaCO3/L	P419035	
	SM 2540 C-2011	TDS	546	A	mg/L	P419428	
	SM 2540 D-2011	TSS	6	I A	mg/L	P419318	
	SM 4500-F- C-2011	Fluoride	0.25		mg F/L	P419623	
2353354	EPA 350.1 Rev. 2.0	Ammonia-N	0.009		mg N/L	P419157	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.6		mg N/L	P419097	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P419294	
	EPA 365.1 Rev. 2.0	Total-P	0.062		mg P/L	P419040	
	SM 5310 B-2011	Organic Carbon	23		mg C/L	P419186	

Ref. Method and Comment:
SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 351.2 Rev. 2.0: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P418965

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P418947

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419470

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419473

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P419157

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P419097

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P419294

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P419040

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

Reference Method: SM 2320 B-2011
Batch ID: P419035

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

Quality Assurance Report
Method Blank Results

Reference Method: SM 2540 C-2011
Batch ID: P419428

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P419318

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P419623

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P419186

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: P418965

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	101		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P418947

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	96.3		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419470

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419473

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P419157

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	99.0		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P419097

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	94.9		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P419294

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	100		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P419040

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	104		P	90 - 110

Reference Method: SM 2320 B-2011
Batch ID: P419035

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 4500-F- C-2011
Batch ID: P419623

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	99.0		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P419186

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	96.5		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419470

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2353590	Chloride	100		P	90 - 110
2353615	Chloride	102		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419473

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2353590	Sulfate	99.8		P	90 - 110
2353615	Sulfate	101		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P419157

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2353216	Ammonia-N	98.8	99.4	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P419294

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2353316	NO2NO3-N	99.5	99.0	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P419040

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2353370	Total-P	104	105	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P419623

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2353393	Fluoride	98.2	97.5	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P419186

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2353290	Organic Carbon	96.4	96.4	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P418965

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2353300	Color (true)	0.421	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P418947

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2353300	Turbidity	1.72	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419470

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2353590	Chloride	0.461	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P419473

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2353590	Sulfate	0.382	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P419157

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2353216	Ammonia-N	0.359	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P419097

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2353316	Kjeldahl Nitrogen	2.05	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P419294

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2353316	NO2NO3-N	0.504	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P419040

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2353370	Total-P	0.481	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: SM 2320 B-2011
Batch ID: P419035

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2353351	Total Alkalinity	0.596	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2011
Batch ID: P419428

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2353352	TDS	3.48	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P419623

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2353393	Fluoride	0.476	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P419186

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2353290	Organic Carbon	0.0	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: A114462
Included Lab Sample IDs: 2353351, 2353352

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: A114473
Included Lab Sample IDs: 2353351, 2353352

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	101	102	P/P	90 - 110

Reference Method: SM 2320 B-2011
Run ID: A114506
Included Lab Sample IDs: 2353351, 2353352

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	106	99.0	P/P	90 - 110
Total Alkalinity	98.0	106	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A114544
Included Lab Sample IDs: 2353353, 2353354

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	102	103	P/P	90 - 110
Total-P	103	102	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A114553
Included Lab Sample IDs: 2353353, 2353354

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.7	100	P/P	90 - 110

Reference Method: SM 5310 B-2011
Run ID: A114570
Included Lab Sample IDs: 2353353, 2353354

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	95.2	95.4	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A114576
Included Lab Sample IDs: 2353353, 2353354

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	101	103	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A114600
Included Lab Sample IDs: 2353351, 2353352

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits

Quality Assurance Report
Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A114600
Included Lab Sample IDs: 2353351, 2353352

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	101	102	P/P	90 - 110
Sulfate	102	102	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A114607
Included Lab Sample IDs: 2353353, 2353354

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	101	102	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A114739
Included Lab Sample IDs: 2353351, 2353352

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	101	99.5	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)	101				0.421	
EPA 180.1 Rev. 2.0	Turbidity	96.3				1.72	
EPA 300.0 Rev. 2.1	Chloride	102	100	102		0.461	
	Sulfate	101	99.8	101		0.382	
EPA 350.1 Rev. 2.0	Ammonia-N	99.0	98.8	99.4			0.359
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	94.9					2.05
EPA 353.2 Rev. 2.0	NO2NO3-N	100	99.5	99.0			0.504
EPA 365.1 Rev. 2.0	Total-P	104	104	105			0.481
SM 2320 B-2011	Total Alkalinity	106				0.596	
SM 2540 C-2011	TDS					3.48	
SM 4500-F- C-2011	Fluoride	99.0	98.2	97.5			0.476
SM 5310 B-2011	Organic Carbon	96.5	96.4	96.4			0.0

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2353351, 2353352
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2353351, 2353352
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2353351, 2353352
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2353351, 2353352
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2353353, 2353354
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2353353, 2353354
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2353353, 2353354
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2353353, 2353354
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2353351, 2353352
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2353351, 2353352
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2353351, 2353352
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2353351, 2353352
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2353353, 2353354

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	08/31/2022			08/31/2022 15:33	Blanca Fach	2353351
	08/31/2022			08/31/2022 15:34	Blanca Fach	2353352
EPA 180.1 Rev. 2.0	08/31/2022			08/31/2022 14:41	Chandler E Cox	2353351
	08/31/2022			08/31/2022 14:42	Chandler E Cox	2353352
EPA 300.0 Rev. 2.1	08/31/2022			09/10/2022 08:29	Anna M. Plaviak	2353351
	08/31/2022			09/10/2022 08:44	Anna M. Plaviak	2353352
EPA 350.1 Rev. 2.0	08/31/2022			09/06/2022 14:35	Judith K. Clark	2353353
	08/31/2022			09/06/2022 14:36	Judith K. Clark	2353354
EPA 351.2 Rev. 2.0	08/31/2022	09/06/2022 14:30	Alexandra J Mattheus	09/07/2022 11:42	Alexandra J Mattheus	2353353
	08/31/2022	09/06/2022 14:30	Alexandra J Mattheus	09/07/2022 11:44	Alexandra J Mattheus	2353354
EPA 353.2 Rev. 2.0	08/31/2022			09/08/2022 10:17	Beverly Y. Sanders	2353353
	08/31/2022			09/08/2022 10:18	Beverly Y. Sanders	2353354
EPA 365.1 Rev. 2.0	08/31/2022	09/02/2022 10:28	Simonne.V. Calhoun	09/06/2022 11:15	James L Waggerby	2353353
	08/31/2022	09/02/2022 10:28	Simonne.V. Calhoun	09/06/2022 11:18	James L Waggerby	2353354
SM 2320 B-2011	08/31/2022			09/02/2022 04:45	Dale L. Simmons	2353351
	08/31/2022			09/02/2022 06:30	Dale L. Simmons	2353352
SM 2540 C-2011	08/31/2022			09/02/2022 16:08	Yijie Li	2353351, 2353352
SM 2540 D-2011	08/31/2022			09/02/2022 16:08	Yijie Li	2353351, 2353352
SM 4500-F- C-2011	08/31/2022			09/15/2022 04:40	Dale L. Simmons	2353351
	08/31/2022			09/15/2022 04:46	Dale L. Simmons	2353352
SM 5310 B-2011	08/31/2022			09/07/2022 05:45	Khloe J Berg	2353353
	08/31/2022			09/07/2022 05:59	Khloe J Berg	2353354