

Chemical Analysis Report

SO-DIST-2023-12-21-01

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

Event Description: **2023 SMP: Goin' Coastal**
Request ID: **RQ-2023-12-04-26**
Customer: **SO-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 314
Fort Myers, FL 33901-3381
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Date Certified: 12-JAN-2024 14:13



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: Punta Rassa Cove

Collection Date/Time: 12/20/2023 10:15

Field ID: G2SD0047

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2458378	DEP SOP: NU-094-1	Color (true)	19		PCU	P439367	
	EPA 180.1 Rev. 2.0	Turbidity	3.9		NTU	P439375	
	EPA 300.0 Rev. 2.1	Chloride	1.4E+04		mg Cl/L	P439531	
		Sulfate	2.0E+03		mg SO4/L	P439534	
	SM 2320 B-2011	Total Alkalinity	128		mg CaCO3/L	P439460	
	SM 2540 C-2015	TDS	2.41E+04		mg/L	P439636	
	SM 2540 D-2015	TSS	4	I	mg/L	P439640	
2458379	SM 4500-F- C-2011	Fluoride	0.96		mg F/L	P439462	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.053		mg N/L	P439587	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.58		mg N/L	P439452	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.069		mg N/L	P439728	
	EPA 365.1 Rev. 2.0	Total-P	0.061		mg P/L	P439391	
	SM 5310 B-2014	Organic Carbon	8.6		mg C/L	P439616	

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: Hendry Creek Lower Site

Collection Date/Time: 12/20/2023 11:35

Field ID: G1SD0129

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2458376	DEP SOP: NU-094-1	Color (true)	71		PCU	P439367	
	EPA 180.1 Rev. 2.0	Turbidity	3.1		NTU	P439375	
	EPA 300.0 Rev. 2.1	Chloride	1.1E+04		mg Cl/L	P439531	
		Sulfate	1.6E+03		mg SO4/L	P439534	
	SM 2320 B-2011	Total Alkalinity	201		mg CaCO3/L	P439460	
	SM 2540 C-2015	TDS	1.92E+04		mg/L	P439636	
	SM 2540 D-2015	TSS	4	IA	mg/L	P439640	
	SM 4500-F- C-2011	Fluoride	0.80		mg F/L	P439462	
2458377	EPA 350.1 Rev. 2.0	Ammonia-N	0.078		mg N/L	P439587	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.93		mg N/L	P439452	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.046		mg N/L	P439728	
	EPA 365.1 Rev. 2.0	Total-P	0.053		mg P/L	P439391	
	SM 5310 B-2014	Organic Carbon	15		mg C/L	P439616	

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: P439367

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P439375

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439531

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439534

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P439587

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P439452

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P439728

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P439391

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

Reference Method: SM 2320 B-2011
Batch ID: P439460

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: P439636

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P439640

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P439462

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2014
Batch ID: P439616

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: P439367

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	96.6		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P439375

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439531

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439534

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P439587

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P439452

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	98.2		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P439728

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P439391

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

Reference Method: SM 2320 B-2011
Batch ID: P439460

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	101		P	92 - 105

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2540 C-2015
Batch ID: P439636

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	93.6		P	85 - 115

Reference Method: SM 2540 D-2015
Batch ID: P439640

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	96.8		P	85 - 115

Reference Method: SM 4500-F- C-2011
Batch ID: P439462

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	102		P	94 - 106

Reference Method: SM 5310 B-2014
Batch ID: P439616

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	93.8		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439531

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2458540	Chloride	101		P	90 - 110
2458588	Chloride	102		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439534

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2458540	Sulfate	100		P	90 - 110
2458588	Sulfate	99.1		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P439587

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2457959	Ammonia-N	99.6	98.2	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P439452

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2458377	Kjeldahl Nitrogen	99.8	96.5	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P439728

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2458359	NO2NO3-N	99.0	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P439391

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2458363	Total-P	97.0	99.2	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Batch ID: P439462

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2457945	Fluoride	99.5	101	P/P	94 - 106

Reference Method: SM 5310 B-2014
Batch ID: P439616

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2457946	Organic Carbon	89.8	90.7	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P439367

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2458432	Color (true)	2.48	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P439375

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2458263	Turbidity	6.48	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439531

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2458540	Chloride	0.307	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439534

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2458540	Sulfate	0.688	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P439587

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2457959	Ammonia-N	0.913	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P439452

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2458377	Kjeldahl Nitrogen	2.65	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P439728

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2458359	NO2NO3-N	1.46	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P439391

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2458363	Total-P	2.29	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2320 B-2011
Batch ID: P439460

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2457945	Total Alkalinity	1.48	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P439636

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2458432	TDS	1.75	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P439462

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2457945	Fluoride	0.999	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2014
Batch ID: P439616

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2457946	Organic Carbon	0.815	Spike	P	0 - 15

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

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: NU-094-1

Run ID: A123385

Included Lab Sample IDs: 2458376, 2458378

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	96.6	96.4	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A123388

Included Lab Sample IDs: 2458376, 2458378

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	104	99.0	P/P	95 - 105

Reference Method: SM 2320 B-2011

Run ID: A123420

Included Lab Sample IDs: 2458376, 2458378

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	103	96.3	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A123420

Included Lab Sample IDs: 2458376, 2458378

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A123435

Included Lab Sample IDs: 2458377, 2458379

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	95.2	95.5	P/P	90 - 110
Total-P	96.5	95.2	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A123459

Included Lab Sample IDs: 2458377, 2458379

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	98.3	102	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A123466

Included Lab Sample IDs: 2458376, 2458378

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	99.9	101	P/P	90 - 110
Sulfate	99.8	101	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A123497

Included Lab Sample IDs: 2458377, 2458379

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
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Quality Assurance Report Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A123497

Included Lab Sample IDs: 2458377, 2458379

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.9	100	P/P	90 - 110

Reference Method: SM 5310 B-2014

Run ID: A123504

Included Lab Sample IDs: 2458377, 2458379

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	122	98.0	P/P	70 - 130

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A123551

Included Lab Sample IDs: 2458377, 2458379

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	100	99.0	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	MS
DEP SOP: NU-094-1	Color (true)	96.6			2.48	
EPA 180.1 Rev. 2.0	Turbidity	103			6.48	
EPA 300.0 Rev. 2.1	Chloride	101	101	102	0.307	
	Sulfate	101	100	99.1	0.688	
EPA 350.1 Rev. 2.0	Ammonia-N	99.2	99.6	98.2		0.913
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	98.2	99.8	96.5		2.65
EPA 353.2 Rev. 2.0	NO2NO3-N	99.0	99.0	101		1.46
EPA 365.1 Rev. 2.0	Total-P	104	97.0	99.2		2.29
SM 2320 B-2011	Total Alkalinity	101			1.48	
SM 2540 C-2015	TDS	93.6			1.75	
SM 2540 D-2015	TSS	96.8				
SM 4500-F- C-2011	Fluoride	102	99.5	101		0.999
SM 5310 B-2014	Organic Carbon	93.8	89.8	90.7		0.815

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2458376, 2458378
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2458376, 2458378
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2458376, 2458378
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2458376, 2458378
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2458377, 2458379
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2458377, 2458379
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2458377, 2458379
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2458377, 2458379
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2458376, 2458378
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2458376, 2458378
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2458376, 2458378
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2458376, 2458378
SM 5310 B-2014	Nonpurgeable Organic Carbon in aqueous matrices	2458377, 2458379

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	12/21/2023			12/21/2023 15:09	Samantha L Bates	2458376
	12/21/2023			12/21/2023 15:10	Samantha L Bates	2458378
EPA 180.1 Rev. 2.0	12/21/2023			12/21/2023 14:49	Anna M. Plaviak	2458376
	12/21/2023			12/21/2023 14:51	Anna M. Plaviak	2458378
EPA 300.0 Rev. 2.1	12/21/2023			12/29/2023 04:01	Anna M. Plaviak	2458376
	12/21/2023			12/29/2023 04:16	Anna M. Plaviak	2458378
EPA 350.1 Rev. 2.0	12/21/2023			01/04/2024 14:17	Ping Hua	2458377
	12/21/2023			01/04/2024 14:19	Ping Hua	2458379
EPA 351.2 Rev. 2.0	12/21/2023	12/27/2023 11:05	Simonne.V. Calhoun	12/28/2023 16:12	Samantha L Bates	2458377
	12/21/2023	12/27/2023 11:05	Simonne.V. Calhoun	12/28/2023 16:17	Samantha L Bates	2458379
EPA 353.2 Rev. 2.0	12/21/2023			01/08/2024 15:52	Fadila Guebre	2458377
	12/21/2023			01/08/2024 15:53	Fadila Guebre	2458379
EPA 365.1 Rev. 2.0	12/21/2023	12/22/2023 09:57	Adam P Silver	12/27/2023 15:41	James L Waggeberby	2458377
	12/21/2023	12/22/2023 09:57	Adam P Silver	12/27/2023 15:49	James L Waggeberby	2458379
SM 2320 B-2011	12/21/2023			12/23/2023 01:04	Dale L. Simmons	2458376
	12/21/2023			12/23/2023 01:17	Dale L. Simmons	2458378
SM 2540 C-2015	12/21/2023			12/22/2023 15:26	Yijie Li	2458376, 2458378
SM 2540 D-2015	12/21/2023			12/22/2023 15:26	Yijie Li	2458376, 2458378
SM 4500-F- C-2011	12/21/2023			12/22/2023 23:25	Dale L. Simmons	2458376
	12/21/2023			12/22/2023 23:30	Dale L. Simmons	2458378
SM 5310 B-2014	12/21/2023			01/05/2024 06:33	Kenneth H Lee	2458377
	12/21/2023			01/05/2024 06:56	Kenneth H Lee	2458379