Pace Analytical Services, LLC
3516 Greensboro Avenue
Tuscaloosa, AL 35401
(205)614-6630

March 06, 2020

Mr. Max Gaskins
Oxford Water Works
P.O.Box 3663
Oxford, AL 36203

RE: Project: Independant Wastewater Split
Pace Project No.: 20143815

Dear Mr. Gaskins:
Enclosed are the analytical results for sample(s) received by the laboratory on February 24, 2020. The results relate only to the samples included in this report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Suzanne Taffe
suzanne.taffe@pacelabs.com
(205)614-6630
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
3516 Greensboro Avenue
Tuscaloosa, AL 35401
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CERTIFICATIONS

Project: Independant Wastewater Split
Pace Project No.: 20143815

Pace Analytical Services New Orleans

California Env. Lab Accreditation Program Branch: 11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Pennsylvania Dept. of Env Protection (NELAC): 68-04202
Texas Commission on Env. Quality (NELAC): T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-00119
Commonwealth of Virginia (TNI): 480246

Pace Analytical Services Tuscaloosa

3516 Greensboro Ave, Tuscaloosa, AL 35401
Alabama Certification #: 40170

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SAMPLE SUMMARY

Project: Independant Wastewater Split
Pace Project No.: 20143815

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20143815001	**Influent composite**	Water	02/24/20 10:27	02/24/20 16:20
20143815002	**Effluent composite**	Water	02/24/20 10:35	02/24/20 16:20
20143815003	**Effluent Grab**	Water	02/24/20 10:45	02/24/20 16:20

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SAMPLE ANALYTE COUNT

Project: Independant Wastewater Split
Pace Project No.: 20143815

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20143815001	**Influent composite**	SM 5210B	BRH	1
		USGS I-3765	BVK	1
20143815002	**Effluent composite**	SM 4500-NO2-B	BVK	1
		SM 5210B	BRH	1
		USGS I-3765	BVK	1
		EPA 351.2	PNT	1
		EPA 365.4	PNT	1
		SM 4500-NH3 G	RVJ	1
		SM 4500-NO3 F	JNB	1
20143815003	**Effluent Grab**	EPA 200.7	FC1	2
		SM 2120F-11	CGR	1
		SM 9223B	LAA	1
			RST	5
		SM 4500-CN-E	MHM	1

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ANALYTICAL RESULTS

Project: Independant Wastewater Split
Pace Project No.: 20143815

Sample: Influent composite **Lab ID: 20143815001** Collected: 02/24/20 10:27 Received: 02/24/20 16:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TUSC 5210B cBOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B								
Carbonaceous BOD, 5 day	**18.6**	mg/L	10.0	10.0	10	02/24/20 18:00	02/29/20 15:52		N2
TUSC USGS I-3765 TSS	Analytical Method: USGS I-3765								
Total Suspended Solids	**36.0**	mg/L	4.0	4.0	1		02/25/20 12:41		N2

Sample: Effluent composite **Lab ID: 20143815002** Collected: 02/24/20 10:35 Received: 02/24/20 16:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2-B								
Nitrite as N	ND	mg/L	0.10	0.031	1		02/25/20 11:36	14797-65-0	N2
TUSC 5210B cBOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B								
Carbonaceous BOD, 5 day	**6.0**	mg/L	1.2	1.2	1.2	02/24/20 18:00	02/29/20 15:55		N2
TUSC USGS I-3765 TSS	Analytical Method: USGS I-3765								
Total Suspended Solids	**19.0**	mg/L	4.0	4.0	1		02/25/20 12:41		N2
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**2.2**	mg/L	0.10	0.095	1	03/05/20 11:44	03/06/20 11:26	7727-37-9	
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus	**0.42**	mg/L	0.10	0.080	1	03/05/20 11:47	03/06/20 09:52	7723-14-0	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G								
Nitrogen, Ammonia	**0.28**	mg/L	0.10	0.066	1		03/04/20 11:51	7664-41-7	
4500NO3-F, NO3-NO2	Analytical Method: SM 4500-NO3 F								
Nitrogen, NO2 plus NO3	**0.68**	mg/L	0.050	0.047	1		03/04/20 13:31		

Sample: Effluent Grab **Lab ID: 20143815003** Collected: 02/24/20 10:45 Received: 02/24/20 16:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Cadmium	ND	mg/L	0.0050	0.00031	1	02/26/20 12:00	02/27/20 19:56	7440-43-9	
Lead	ND	mg/L	0.0050	0.0035	1	02/26/20 12:00	02/27/20 19:56	7439-92-1	
TUSC 2120F ADMI Color	Analytical Method: SM 2120F-11								
Color, ADMI	**17.0**	units	10.0	10.0	1		02/25/20 16:20		N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Independant Wastewater Split
Pace Project No.: 20143815

Sample: Effluent Grab **Lab ID: 20143815003** Collected: 02/24/20 10:45 Received: 02/24/20 16:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TUSC 9223B E.Coli	Analytical Method: SM 9223B Preparation Method: SM 9223B								
Escherichia coli (E.coli)	**17.3**	MPN/100mL	1.0	1.0	1	02/24/20 16:55	02/25/20 16:55		N2
Field Data	Analytical Method:								
Collected By	**Glenn Kuntz**				1		02/25/20 08:09		N2
Collected Date	**022420**				1		02/25/20 08:09		N2
Collected Time	**1056**				1		02/25/20 08:09		N2
Field pH	**7.90**	Std. Units			1		02/25/20 08:09		N2
Oxygen, Dissolved	**7.20**	mg/L			1		02/25/20 08:09	7782-44-7	N2
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E Preparation Method: SM 4500-CN-C								
Cyanide	**0.028**	mg/L	0.020	0.020	1	02/27/20 10:00	02/27/20 14:31	57-12-5	

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QUALITY CONTROL DATA

Project: Independant Wastewater Split
Pace Project No.: 20143815

QC Batch: 176587
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 20143815003

METHOD BLANK: 805011 Matrix: Water
Associated Lab Samples: 20143815003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cadmium	mg/L	ND	0.0050	0.00031	02/27/20 15:28	
Lead	mg/L	ND	0.0050	0.0035	02/27/20 15:28	

LABORATORY CONTROL SAMPLE: 805012

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	mg/L	1	1.1	108	85-115	
Lead	mg/L	1	1.1	108	85-115	

MATRIX SPIKE SAMPLE: 805014

Parameter	Units	20143455001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	mg/L	ND	1	1.1	105	70-130	
Lead	mg/L	ND	1	1.0	104	70-130	

MATRIX SPIKE SAMPLE: 805015

Parameter	Units	20143713001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	mg/L	ND	1	1.0	104	70-130	
Lead	mg/L	ND	1	1.0	104	70-130	

SAMPLE DUPLICATE: 805013

Parameter	Units	20143455001 Result	Dup Result	RPD	Max RPD	Qualifiers
Cadmium	mg/L	ND	ND		20	
Lead	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Independant Wastewater Split
Pace Project No.: 20143815

QC Batch: 176519 | Analysis Method: SM 2120F-11
QC Batch Method: SM 2120F-11 | Analysis Description: 2120F ADMI Color TUSC
Associated Lab Samples: 20143815003

METHOD BLANK: 804707 | Matrix: Water
Associated Lab Samples: 20143815003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Color, ADMI	units	ND	10.0	10.0	02/25/20 16:20	N2

LABORATORY CONTROL SAMPLE: 804708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Color, ADMI	units	100	91.0	91	80-120	N2

SAMPLE DUPLICATE: 804709

Parameter	Units	20143815003 Result	Dup Result	RPD	Max RPD	Qualifiers
Color, ADMI	units	17.0	16.0	6	20	N2

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QUALITY CONTROL DATA

Project: Independant Wastewater Split
Pace Project No.: 20143815

QC Batch: 176492
QC Batch Method: SM 4500-NO2-B
Analysis Method: SM 4500-NO2-B
Analysis Description: SM4500NO3-F, Nitrite, unpres
Associated Lab Samples: 20143815002

METHOD BLANK: 804547 Matrix: Water
Associated Lab Samples: 20143815002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.10	0.031	02/25/20 11:36	N2

LABORATORY CONTROL SAMPLE: 804548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.25	0.24	96	80-120	N2

MATRIX SPIKE SAMPLE: 804550

Parameter	Units	20143815002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	ND	0.25	0.30	90	80-120	N2

SAMPLE DUPLICATE: 804549

Parameter	Units	20143815002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrite as N	mg/L	ND	.08J		20	N2

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QUALITY CONTROL DATA

Project: Independant Wastewater Split
Pace Project No.: 20143815

QC Batch: 176428 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B cBOD, 5 day TUSC
Associated Lab Samples: 20143815001, 20143815002

METHOD BLANK: 804277 Matrix: Water
Associated Lab Samples: 20143815001, 20143815002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Carbonaceous BOD, 5 day	mg/L	ND	1.0	1.0	02/29/20 13:42	N2

LABORATORY CONTROL SAMPLE: 804279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbonaceous BOD, 5 day	mg/L	198	193	97	85-115	N2

SAMPLE DUPLICATE: 804280

Parameter	Units	20143711001 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbonaceous BOD, 5 day	mg/L	ND	7.0		20	N2

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QUALITY CONTROL DATA

Project: Independant Wastewater Split
Pace Project No.: 20143815

QC Batch: 176531 Analysis Method: SM 9223B
QC Batch Method: SM 9223B Analysis Description: 9223B TUSC E.Coli
Associated Lab Samples: 20143815003

METHOD BLANK: 804793 Matrix: Water
Associated Lab Samples: 20143815003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Escherichia coli (E.coli)	MPN/100mL	<1.0	1.0	1.0	02/25/20 14:10	N2

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QUALITY CONTROL DATA

Project: Independant Wastewater Split
Pace Project No.: 20143815

QC Batch: 176493 Analysis Method: USGS I-3765
QC Batch Method: USGS I-3765 Analysis Description: TUSC USGS I-3765 Total Susp SL
Associated Lab Samples: 20143815001, 20143815002

METHOD BLANK: 804552 Matrix: Water
Associated Lab Samples: 20143815001, 20143815002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	4.0	02/25/20 12:41	N2

LABORATORY CONTROL SAMPLE: 804553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	89.0	89	80-120	N2

SAMPLE DUPLICATE: 804554

Parameter	Units	20143671001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	202	214	6	20	N2

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QUALITY CONTROL DATA

Project: Independant Wastewater Split
Pace Project No.: 20143815

QC Batch: 177558 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 20143815002

METHOD BLANK: 810483 Matrix: Water
Associated Lab Samples: 20143815002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.10	0.095	03/06/20 10:59	

LABORATORY CONTROL SAMPLE: 810484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4.3	4.4	100	80-120	

MATRIX SPIKE SAMPLE: 810486

Parameter	Units	20143727002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	6.4	2.5	8.6	90	75-125	

SAMPLE DUPLICATE: 810485

Parameter	Units	20143727002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	6.4	6.4	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Independant Wastewater Split
Pace Project No.: 20143815

QC Batch: 177560 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 20143815002

METHOD BLANK: 810937 Matrix: Water
Associated Lab Samples: 20143815002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	0.080	03/06/20 09:40	

LABORATORY CONTROL SAMPLE: 810492

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	1.7	1.6	95	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Independant Wastewater Split
Pace Project No.: 20143815

QC Batch: 177422
QC Batch Method: SM 4500-NH3 G
Analysis Method: SM 4500-NH3 G
Analysis Description: 4500 Ammonia
Associated Lab Samples: 20143815002

METHOD BLANK: 809446 Matrix: Water
Associated Lab Samples: 20143815002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	0.066	03/04/20 11:16	

LABORATORY CONTROL SAMPLE: 809447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	15.9	15.2	96	90-110	

MATRIX SPIKE SAMPLE: 809449

Parameter	Units	20143127005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	10	10.0	100	75-125	

SAMPLE DUPLICATE: 809448

Parameter	Units	20143127005 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Independant Wastewater Split
Pace Project No.: 20143815

QC Batch: 176729 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-C Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 20143815003

METHOD BLANK: 805929 Matrix: Water
Associated Lab Samples: 20143815003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.020	0.020	02/27/20 14:24	

LABORATORY CONTROL SAMPLE: 805930

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	0.1	0.088	88	80-120	

MATRIX SPIKE SAMPLE: 805932

Parameter	Units	20143904002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	ND	0.1	0.076	76	75-125	

SAMPLE DUPLICATE: 805931

Parameter	Units	20143904002 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Independant Wastewater Split
Pace Project No.: 20143815

QC Batch: 177423
QC Batch Method: SM 4500-NO3 F
Analysis Method: SM 4500-NO3 F
Analysis Description: SM4500NO3-F, Nitrate, Preserved
Associated Lab Samples: 20143815002

METHOD BLANK: 809450 Matrix: Water
Associated Lab Samples: 20143815002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.050	0.047	03/04/20 13:01	

LABORATORY CONTROL SAMPLE: 809451

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	1.5	1.5	99	90-110	

MATRIX SPIKE SAMPLE: 809453

Parameter	Units	20143127005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.18	1	1.0	83	80-120	

SAMPLE DUPLICATE: 809452

Parameter	Units	20143127005 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.18	0.18	3	20	

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QUALIFIERS

Project: Independant Wastewater Split
Pace Project No.: 20143815

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

BATCH QUALIFIERS

Batch: 177797

[1] The sample originally chosen for QC for the batch was later canceled; acceptable method performance was demonstrated by the LCS recovery.

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Independant Wastewater Split
Pace Project No.: 20143815

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20143815003	**Effluent Grab**	EPA 200.7	176587	EPA 200.7	176690
20143815003	**Effluent Grab**	SM 2120F-11	176519		
20143815002	**Effluent composite**	SM 4500-NO2-B	176492		
20143815001	**Influent composite**	SM 5210B	176428	SM 5210B	177052
20143815002	**Effluent composite**	SM 5210B	176428	SM 5210B	177052
20143815003	**Effluent Grab**	SM 9223B	176531	SM 9223B	176805
20143815003	**Effluent Grab**				
20143815001	**Influent composite**	USGS I-3765	176493		
20143815002	**Effluent composite**	USGS I-3765	176493		
20143815002	**Effluent composite**	EPA 351.2	177558	EPA 351.2	177795
20143815002	**Effluent composite**	EPA 365.4	177560	EPA 365.4	177797
20143815002	**Effluent composite**	SM 4500-NH3 G	177422		
20143815003	**Effluent Grab**	SM 4500-CN-C	176729	SM 4500-CN-E	176831
20143815002	**Effluent composite**	SM 4500-NO3 F	177423		

TTL LIMS Chain of Custody Form

WO# : 20143815

Client: Oxford Water Works & Sewer Board
Contact: Mr. Max Gaskins
Mailing Address: P.O. Box 3863
City, State, Zip: Oxford, AL 36203
Phone Nc.: (256) 831-0080
Sampled By: GLENN KUNTZ - Pace
Project ID: Oxford-Ind Split
Project Name: Independent Wastewater Split

Composite Sample Info

Sample FNF
Start 2/23/20 7:00 DATE/TIME
End 2/24/20 7:05 DATE/TIME

Sample EFF
Start 2/23/20 7:00 DATE/TIME
End 2/24/20 7:05 DATE/TIME

1. Conditio
2. Sealed I 20143815
3. Initial Contents Temp.:_____ C Seal Applied Yes_____ No _____
4. Custody Seal Intact Upon Receipt by Laboratory: Yes_____ No_____
5. Condition of Contents: Good - Ice
6. Comments: 0.4 °C at Tuscaloosa Lab
7. Reporting Status: Routine; _____ ; Rush By* _____ * SURCHARGES MAY APPLY
8. Client P.O. #

Date	Time	Sample ID/Description	Sample Type	Sample Method	Sample Containers	Analysis Parameters
2/24/20	10:27	Influent - Composite	Aqueous	COMP24	1 QT PLNP	BOD5_PREP, BODC5, TSS_RESIDUE
	10:30	Effluent - Composite	Aqueous	COMP24	1 QT PLNP	BOD5_PREP, BODC5, NO3, TSS_RESIDUE
	10:35	Effluent - Composite	Aqueous	COMP24	1 PT PL H2SO4	NH3-N, NT-NO3, P_TW, TKN_WW
	10:40	Effluent - Grab	Aqueous	GRAB	1 QT PLNP	ADMI_W
	10:45	Effluent - Grab	Aqueous	GRAB	1 QT PL NAOH	CN_TREC
	10:45	Effluent - Grab	Aqueous	GRAB	2 BACT	E-COLI_WW
	10:40	Effluent - Grab	Aqueous	GRAB	1 1/2 PT PL HNO3	ICPMETALS_TREC, TRM_PREP
		~~Field Readings~~	Aqueous	FP	0 FIELD	~~CL2_FIELD~~
	10:56	Field Readings	Aqueous	FP	0 FIELD	DO_FIELD 7.20 mg
	10:50	Field Readings	Aqueous	FP	0 FIELD	PH_FIELD 10:50 7.90 -51.1 mV

CUSTODY TRANSFERS

Relinquished by: (signed) Date/Time
1 [signature] 2/24/2020 4:20
2 _____
3 _____
4 _____

Received by (signed) Date/Time
1 _____
2 _____
3 _____
4 _____

SHIPPING DETAILS

Air Bill #:_____
Method of Shipment: Hand
Received By Lab: [signature]
Date/Time 2-24-20 16:20

Pace Analytical®

Instrument Calibration Sheet

Analyst: Glenn Kuntz **Date:** ~~XXX~~ 2/24/20

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pH CALIBRATION - Initial **Time:** 7:45 ☑ AM ☐ PM

Make: HACH **Model:** HQ11D **Serial #:** ~~150600001931~~ 160400021642
Probe Model #: PHC101 **Serial #:** ~~182882568868~~ 191422567564 **Placed Into Service:** 11/15/2018

4 Buffer:	pH 3.97	MV 155.0mv	Lot #/expiration	2804882	3/20
7 Buffer:	pH 6.97	MV -7.2mv	Lot #/expiration	2906F44	/6/21
10 Buffer:	pH 10.08	MV -177.2mv	Lot #/expiration	2969E08	/4/22

SLOPE: -55.33

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pH CALIBRATION - After 4 Hours **Time:** _____ ☐ AM ☐ PM

4 Buffer:	pH _____	MV _____		
7 Buffer:	pH _____	MV _____		
10 Buffer:	pH _____	MV _____		

SLOPE: _____

DO CALIBRATION **Time:** 10:55 ☑ AM ☐ PM

Make: YSI **Model:** 550A **Serial #:** 17B101819

DO of Saturation: 99%

Cl_2 CALIBRATION **Time:** 7:56 ☑ AM ☐ PM

Make: HACH **Model:** POCKET CL2 **Serial #:** 08090E108720
Standard Lot #: A8193 **Standard Exp:** Jul 2020

Standard 0:	0	Absorbance 0:	0.00
Standard 1:	0.20	Absorbance 1:	0.00
Standard 2:	0.88	Absorbance 2:	0.59
Standard 3:	1.61	Absorbance 3:	1.26

Pace Analytical

Sample Condition Upon Receipt

Pace Analytical Services, LLC - Tuscaloosa, AL
Pace Analytical Services, LLC - Montgomery, AL

Project #:

WO#: 20143815

PM: RST Due Date: 03/16/20
CLIENT: TU-Oxford

Courier: ☐ Pace Courier ☐ Hired Courier ☐ Fed X ☐ UPS ☐ DHL

Custody Seal on Cooler/Box Present: [see COC] Custody Seals intact: ☐Yes ☐No

Therometer Used:	181 T83496

Type of Ice: Wet Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: SH 2/24/20

Temp must be measured from Temperature blank when present

		Comments:
Temperature Blank Present"?	☐Yes ☐No ☒N/A	1
Chain of Custody Present:	☒Yes ☐No ☐N/A	2
Chain of Custody Complete:	☒Yes ☐No ☐N/A	3
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	4
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	5
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	6
Sufficient Volume:	☒Yes ☐No ☐N/A	7
Correct Containers Used:	☒Yes ☐No ☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes ☐No ☒N/A	9
Sample Labels match COC:	☒Yes ☐No ☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☒Yes ☐No ☐N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☒Yes ☐No ☐N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☒Yes ☐No ☐N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☒N/A	14
Trip Blank Present:	☐Yes ☒No	15

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____