



Georgia-Pacific Consumer Operations LLC
Consumer Products

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June 30, 2021

Danielle Harbin
Enforcement Coordinator
Office of Water Quality
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

RE: NPDES Permit No. **AR0001210, AFIN 02-00013**
Georgia-Pacific Consumer Operations LLC: Crossett Paper Operations
Response to June 3, 2021 Additional Information Request and QA/QC Issue Report

Dear Ms. Harbin:

Georgia Pacific Consumer Operations - Crossett Paper Operations (GP) is submitting this letter and attachments to (1) respond to your June 3, 2021 letter to Sarah Ross our Environmental & Compliance Leader and (2) provide the Department a report on some laboratory quality assurance / quality control issues associated with our internal lab that are relevant to the data we are providing in Attachment 1 and reported in the mill's regular monthly Discharge Monitoring Reports (DMRs).

June 3, 2021 Additional Information Request Response

The specific internal laboratory records and analysis reports that you requested are provided in Attachments 1 and 2 respectively. The weblink to the gauge GP uses at Felsenthal Lock and Dam to determine whether Mossy Lake is flooded is located at https://waterdata.usgs.gov/la/nwis/uv/?site_no=07364078&PARAMeter_cd=00065,72020,63160,00060.

For the BOD data from our internal laboratory, we are also including some specific data flag comments regarding QA/QC procedures associated with Standard Method (SM) 5210B-2011 used for the BOD analysis. We're providing these comments to address QA/QC issues that we flagged through a detailed internal review of the benchsheets. GP does not believe that these QA/QC issues disqualify the data or indicate any exceedances of the applicable BOD5 limits in the permit referenced above. In the next section, we'll provide further detail on the QA/QC issues and actions that GP is taking.

QA/QC Issue and Actions

As GP identified above and previously communicated through phone conversations with Department representatives on June 25, 2021, GP uncovered some issues with our internal laboratory's adherence to certain QA/QC requirements of SM 5210B-2011.

As soon as GP identified these concerns, we initiated a detailed internal investigation and review looking back 5 years at our BOD analysis and quality control procedures. The review found QA/QC procedural issues that caused us to add three comments to the May DMR report:

1. The BOD glucose/glutamic acid (GGA) laboratory control standard associated with the 5/26/2021 sample recovered below the acceptable range of 198 mg/L +/- 30.5.
2. The BOD GGA laboratory control standard was run weekly, instead of daily with each set of samples. There was no GGA standard associated with the following sample dates: 5/4/2021, 5/6/2021, 5/11/2021, 5/13/2021, 5/18/2021, 5/20/2021, 5/25/2021, and 5/27/2021. A dilution water blank was run daily with each set of samples and the depletion criteria of less than or equal to 0.2 mg/L was met.
3. The minimum dissolved oxygen depletion of 2.0 mg/L was not met for the following sample dates: 5/18/2021, 5/19/2021, 5/20/2021, 5/26/2021, and 5/27/2021. Results from the dilution prepared from with highest sample volume was reported.

Based on our internal review, similar issues occurred periodically during January through April 2021, as reflected on Attachment 1. Because of that we did a further review of the 5 years of records available to us and a full accounting of these issues is provided in Attachment 3.

It is important to note that out of range QA/QC results do not automatically invalidate the compliance samples. According to the method associated data should be identified, the potential cause for the QA/QC issue evaluated, and corrective actions taken, if appropriate. BOD is a biological method and QA/QC exceptions are common even in commercial laboratories. Also, according to the analytical method, there is no measurement for establishing bias of the BOD procedure. QA/QC data, such as the GGA laboratory control sample and dilution water blank are intended to be reference points for evaluation of the effectiveness of the overall quality of the system when observed effects become repetitive. GP does not believe the QA/QC exceptions here are of a chronic nature or more significant than other comparable laboratories. Between January 1, 2021, and April 30, 2021, the dilution water blank depletion was greater than 0.2 mg/L 6 times (12 percent) and the GGA laboratory standard recovery was outside the acceptable range three times (18 percent).

Background & Investigation

Our internal investigation found that our underlying laboratory procedures, training, and change management process did not adequately address the QA/QC items we're covering in this submittal.

We reviewed several years of data but cannot determine when or why the GGA checks were only conducted once per week. By way of illustration, Wisconsin, specifically allows laboratories to complete one bottle, once per week GGA checks, but we are unaware of any similar guidance in Arkansas. We also know that ADEQ conducts regular, periodic inspections of our laboratory (including in 2016, 2018 and 2020) and has never flagged these issues as a concern. Therefore, we request ADEQ's feedback/guidance on whether there is an Arkansas specific guidance or exception (similar to Wisconsin) that may be applicable to Crossett. As noted above, in the meantime, we have conservatively increased our GGA checks to fully adhere to the method.

Corrective Actions

GP has initiated the following corrective and preventative actions:

- GGA checks are now performed for each sampling day and in triplicate
- All lab techs have received additional instruction on method QA/QC procedures; and
- A revised laboratory bench sheet is now being used with explicit details and instructions on method QA/QC procedures.

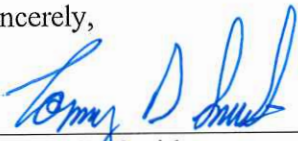
In addition to these immediate actions, GP plans to move forward with the following additional preventative actions:

- A thorough Independent third-party laboratory review
- Comprehensive review and, if necessary, revision of SOPs
- Additional training and capability building of current laboratory technicians

GP will be scheduling a follow-up meeting with ADEQ to review these QA/QC issues in detail and discuss additional steps.

If you have any questions regarding this response, please contact Rachel Johnson, Environmental Engineer, at (870) 415-6352 or by email at Rachel.Johnson2@gapac.com.

Sincerely,



Tommy D. Smith
Vice President of Manufacturing

6-30-2021

DATE

AFIN 02-00013 Permit No. AR0001210
Response to June 3, 2021 Additional Information Request

ATTACHMENT 1

Laboratory Records for TSS, BOD, and pH
January - April 2021

BOD QA/QC Comments

Please note that BOD dilutions shown on the attached bench sheets are made in 1000 mL volumetric glassware and then transferred to the BOD bottles. Therefore, the decimal volume of sample used, or dilution factor, is based on a final total volume of 1000 mL rather than 300 mL.

The BOD GGA laboratory control standard was run weekly, instead of daily with each set of samples. As a result, there was no GGA standard associated with the following sample dates provided in Table 1.

Table 1 – Summary of Sample Dates without GGA Check

<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>
1/5/2021	2/2/2021	3/2/2021	4/1/2021
1/7/2021	2/4/2021	3/4/2021	4/6/2021
1/12/2021	2/9/2021	3/9/2021	4/8/2021
1/14/2021	2/11/2021	3/11/2021	4/13/2021
1/19/2021	2/16/2021	3/16/2021	4/15/2021
1/21/2021	2/18/2021	3/18/2021	4/20/2021
1/26/2021	2/23/2021	3/23/2021	4/22/2021
1/28/2021	2/25/2021	3/25/2021	4/27/2021
		3/30/2021	4/29/2021

A dilution water blank was run daily with each set of samples and the depletion criteria of less than or equal to 0.2 mg/L was not met: 1/5/21, 1/6/21, 1/7/21, 1/12/21, 3/30/21, 4/15/21.

The BOD glucose/glutamic acid (GGA) laboratory control standard recovered below the acceptable range of 198 mg/L +/- 30.5 for the samples associated with the following dates: 1/13/21, 2/10/21, 3/3/21.

From January to April there were 8 samples where none of the dilutions met the 2.0 mg/L depletion criteria. There were also 11 samples where at least one of the dilutions did meet the 2.0 mg/L depletion criteria, but the dilutions that did not meet the criteria were still used in the BOD average calculation. For these situations, GP has corrected the BOD values to remove those depletions from the average. In all but one of these cases this resulted in a slight under reporting of the final BOD concentration. The results from the dilution prepared with highest sample volume were reported with this correction. GP has summarized this information in Table 2 on the next page. To put these minor corrections in context, even the highest corrected value from the table below is well below the monthly BOD concentration (23%) and loading (7%) permit limits.

Table 2 – Summary of BOD Corrections Based on 2.0 mg/L Depletion Criteria

Sample Date	Depletion Readings			Depletion Readings Used in Average			BOD Reported (mg/L)	Corrected BOD (mg/L)
1/5/2021	2.9	3.1	1.9	2.9	3.1	1.9 ¹	10.5	11.1
2/9/2021	3.7	2.4	1.9	3.7	2.4	1.9	14.8	15.5
2/10/2021	2.6	2.0	1.4	2.6	2.0	1.4	11.2	11.8
2/23/2021	3.0	2.7	1.7	3.0	2.7	1.7	13.4	14.5
2/25/2021	3.4	2.4	1.8	3.4	2.4	1.8	13.9	14.2
3/2/2021	1.2	1.0	0.8	1.2	1.0	0.8	5.5	No change
3/3/2021	1.5	1.4	1.3	1.5	1.4	1.3	7.8	No change
3/4/2021	1.6	1.1	1.0	1.6	1.1	1.0	6.7	No change
3/9/2021	2.0	1.9	1.1	2.0	1.9	1.1	7.3	7.3
3/10/2021	1.9	1.4	1.2	1.9	1.4	1.2	6.7	No change
3/11/2021	2.1	1.6	1.2	2.1	1.6	1.2	7.2	7.5
3/16/2021	1.2	1.2	0.8	1.2	1.2	0.8	3.8	No change
3/17/2021	1.4	0.9	0.8	1.4	0.9	0.8	3.6	No change
3/18/2021	1.5	1.0	0.7	1.5	1.0		4.1	No change
3/23/2021	2.4	2.6	1.9	2.4	2.6	1.9	5.9	6.2
4/20/2021	1.7	1.6	1.2	1.7	1.6	1.2	6.0	No change
4/21/2021	2.2	2.2	1.6	2.2	2.2	1.6	8.0	8.4
4/27/2021	2.5	2.6	1.9	2.5	2.6	1.9	9.3	9.8
4/28/2021	2.1	2.1	1.5	2.1	2.1	1.5	7.6	8.0

¹ Yellow highlighted cells indicate depletion reading less than 2.0 mg/L used in calculation for reported BOD. Corrected BOD values were calculated using only depletion readings that met the 2.0 mg/L minimum depletion criteria.

NPDES LOG SHEET

TSS 11 = 12

TODAY'S DATE 1-6-21 SAMPLE DATE 1-5-21 DATE ON 1-6-21 DATE OFF 1-11-21

INC. TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP. 104°

OFF 20.0 OFF Jordan 1000 7.02 ACT. PH OF BUFFER 4.00

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD	
TOC	<u>52.0</u>	1	SEED	<u>9.1</u>	<u>8.2</u>	<u>.9</u>	—	—	
PH COMP	<u>7.77</u>								
GRAB	<u>6.48</u> ^{6.15}	5	<u>6ml</u>	<u>9.0</u>	<u>7.7</u>	<u>1.3</u>	<u>.7</u>	<u>35</u>	
FLOW	<u>12.8</u>	6	<u>4ml</u>	<u>9.0</u>	<u>8.0</u>	<u>1.0</u>	<u>.4</u>	<u>31</u>	
TEMP: COMP	<u>F. 67</u>	7	<u>3ml</u>	<u>9.1</u>	<u>8.2</u>	<u>.9</u>	<u>.3</u>	<u>30</u>	
REF	<u>NA</u>	GRAB	<u>14.0</u>	Adj Temp	<u>19.6</u>	AVG. BOD <u>32</u>			
TIME PICKED UP	<u>6:14am</u>	Adj pH	<u>6.95</u>	TEST NO					
TIME ON	<u>9:24</u>	OFF	<u>8:30</u>						

D.O. METER CALIBRATION
 P. 6°
 MET ON 18.6 TEMP. CALIB. 135
 OFF 21.1 8.90
 DESSICATOR BEADS
 BLUE
 PINK _____
 DII H2O Temp 20.0
 ON 9.1
 OFF 8.4
 RAINFALL DATE IN _____
 COMMENTS: No Ref @ E1

Outfall 001
E-2

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD	
TOC	<u>35.01</u>	1	SEED						
PH COMP	<u>7.14</u>								
GRAB	<u>7.00</u> ^{6.29}	8	<u>300ml</u>	<u>8.9</u>	<u>6.0</u>	<u>2.9</u>		<u>9.7</u>	
FLOW	<u>20.4</u>	9	<u>250ml</u>	<u>8.9</u>	<u>5.8</u>	<u>3.1</u>		<u>12.4</u>	
TEMP: COMP	<u>0°</u>	10	<u>200ml</u>	<u>8.9</u>	<u>7.0</u>	<u>1.9</u>		<u>9.5</u>	
REF	<u>0°</u>	GRAB	<u>8.1</u>	DUP GRAB ph	<u>7.03</u>	AVG. BOD <u>10.5</u>			
TIME PICKED UP	<u>6:24am</u>	Adj Temp	<u>20.1</u>	TEST NO <u>1</u>					
TIME ON	<u>9:39</u>	OFF	<u>8:33am</u>	Adj pH <u>7.05</u>					

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # _____
 TOTAL # 1021 AVG. # 1021
 MTD MTD
 $20.4 \times 8.34 \times 6 = 1021$
 FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
 $20.4 \times 8.34 \times 10.5 = 1786$
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # 1786 AVG. # 1786
 MTD MTD

E-3

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD	
TOC		1	SEED						
PH COMP									
GRAB		8							
FLOW		9							
TEMP: COMP		10							
REF		GRAB		AVG. BOD					
TIME PICKED UP		Adj Temp		TEST NO					
TIME ON		OFF		Adj pH					

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 $\text{FLOW} \times 8.34 \times \text{SS (PPM)} = \text{TOT. # SOLIDS}$
 $\text{FLOW} \times 8.34 \times \text{BOD PPM} = \text{# BOD TODAY}$
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

LOADED

NPDES LOG SHEET

E1 7-26

DATE 1-7-21 SAMPLE DATE 1-6-21 DATE ON 1-7-21 DATE OFF 1-12-21

TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED 10 7 TSS OVEN TEMP. 104°

OFF 20.0 OFF Jordan 10.02 7.02 ACT. PH OF BUFFER 4.00

E-1

BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
1	SEED	9.0	8.1	.9	—	—
5	6mL	9.1	7.8	1.3	.7	35
6	4mL	9.0	8.1	.9	.3	23
7	3mL	9.0	8.2	.8	.2	20

D.O. METER CALIBRATION
 P. 60
 MET ON 19.1 TEMP. CALIB. 7.26
 OFF 19.8 9.14

DESSICATOR BEADS
 BLUE
 PINK

RAINFALL
 DATE 1-6 IN .92
 Dil H₂O Temp 20.0
 ON 9.1
 OFF 8.4

(NA) GRAB 13.8 Adj Temp 19.2
 TIME PICKED UP 6:16 AM Adj pH 7.05
 TIME ON 8:39 OFF 8:22

AVG. BOD 26
 TEST NO

COMMENTS:
 No Ref @ E1

Outfall 001
E-2

BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
1	SEED					
8	300mL	8.8	5.5	3.3		11.0
9	250mL	8.9	6.0	2.9		11.6
10	200mL	8.9	6.6	2.3		11.5

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 1021
 TOTAL # 2165 AVG. # 1083
 MTD MTD
 FLOW x 8.34 x 7 = 1144
 SS (PPM) TOT. # SOLIDS

FLOW BOD PPM
 19.6 x 8.34 x 11.4 = 1863
 # BOD TODAY

REF 0° GRAB 9.4 DUP GRAB
 TIME PICKED UP 6:26 AM ph 7.09
 TIME ON 8:51 OFF 8:24 Adj Temp 20.7
 Adj pH 7.05

AVG. BOD 11.4
 TEST NO 2

PREV. MTD TOTAL # 1786
 TOTAL # 3649 AVG. # 1825
 MTD MTD

E-3

BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
1	SEED					
8						
9						
10						

TOTAL SUSPENDED SOLIDS ML
 PREV. MTD TOTAL #
 TOTAL # AVG. #
 MTD MTD
 FLOW x 8.34 x =
 SS (PPM) TOT. # SOLIDS

FLOW BOD PPM
 x 8.34 x =
 # BOD TODAY

REF GRAB
 TIME PICKED UP Adj Temp
 TIME ON OFF Adj pH

AVG. BOD
 TEST NO

PREV. MTD TOTAL #
 TOTAL # AVG. #
 MTD MTD

LOODEP

NPDES LOG SHEET

E1 755-58

TODAY'S DATE 1-8-21 SAMPLE DATE 1-7-21 DATE ON 1-8-21 DATE OFF 1-13-21

INC. TEMP. ON 20.0 TESTER ON Jocelyn PH METER BUFFED TSS OVEN TEMP. 104°

OFF 20.0 OFF Jocelyn 10.09 7.02 ACT. PH OF BUFFER 4.00

E-1

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED	8.8	8.2	.6	---	---
PH COMP	5.000	Cont	8.1	8.0	.1	.14	.7
GRAB	6.000	4ml	7.9	7.8	.1	.14	.7
FLOW	7.000	3ml	7.7	7.6	.1	.14	.7

REF (NA) GRAB 12.5 Adj Temp 20.5 AVG. BOD ---
 TIME PICKED UP 6:16am Adj pH 7.08 TEST NO 7
 TIME ON 8:38 OFF 8:11

D.O. METER CALIBRATION
 P. 24
 MET ON 19.1 TEMP. CALIB. 9.36
 OFF 20.3 9.04
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL
 DATE _____ IN _____
 Dil H₂O
 Temp 20.0
 ON 2.0
 OFF 8.7
 COMMENTS:
No Res @ E1

Outfall 001 E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	8	300ml	8.3	5.4	3.4		113
GRAB	9	250ml	8.4	6.3	2.1		8.4
FLOW	10	200ml	7.7	6.8	1.9		4.5

REF 0° GRAB 7.5 DUP GRAB ph 7.09 AVG. BOD 9.8
 TIME PICKED UP 6:26am Adj Temp 19.8 TEST NO 3
 TIME ON 9:00 OFF 8:16 Adj pH 7.04

TOTAL SUSPENDED SOLIDS ML 100ml
 PREV. MTD TOTAL # 2165
 TOTAL # 3735 AVG. # 1245
 MTD MTD
26.9 x 8.34 x 7 = 1570
 FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
26.9 x 8.34 x 9.8 = 2199
 #BOD TODAY
 PREV. MTD TOTAL # 3649
 TOTAL # 5848 AVG. # 1950
 MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						

REF _____ GRAB _____ AVG. BOD _____
 TIME PICKED UP _____ Adj Temp _____ TEST NO _____
 TIME ON _____ OFF _____ Adj pH _____

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 #BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET E1 TSS = 2.0

TODAY'S DATE 1-13-21 SAMPLE DATE 1-12-21 DATE ON 1-13-21 DATE OFF 1-18-21

INC. TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED 10 7 TSS OVEN TEMP. 104°

OFF 20.0 OFF Jordan 10.10 7.03 ACT. PH OF BUFFER 7.00

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>49.63</u>	1	SEED	9.4	8.5	.9		
PH COMP <u>7.84</u>							
GRAB <u>6.91</u> ^{6.0} _{5.020}		<u>Cont.</u>	9.0	8.5	.5	.14	<u>7</u>
FLOW <u>13.1</u> ^{6.023}		<u>Cont.</u>	8.9	8.6	.3	.06	<u>4.6</u>
TEMP: <u>F.040</u> ^{7.000}		<u>3ml</u>	8.9	8.3	.1	.26	<u>2.6</u>
COMP <u>(NA)</u>							
REF <u>(NA)</u>	GRAB <u>12.6</u>		Adj Temp <u>19.9</u>			AVG. BOD <u>7</u>	
TIME PICKED UP <u>6:06 AM</u>			Adj pH <u>6.97</u>			TEST NO	
TIME ON <u>9:02</u>	OFF <u>8:24</u>						

D.O. METER CALIBRATION
P.36
 MET ON 20.3 TEMP. CALIB. 9.04
 OFF 20.5 9.02
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL
 DATE IN _____
 Dil H2O
 Temp 20.0
 ON 9.6
 OFF 9.1
 COMMENTS:
NO RET @ E1

outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>34.34</u>	1	SEED					
PH COMP <u>7.22</u>							
GRAB <u>7.93</u> ^{6.19}	8	<u>350ml</u>	9.4	4.0	5.0		<u>14.3</u>
FLOW <u>17.4</u>	9	<u>300 ml</u>	9.1	3.9	5.2		<u>17.3</u>
TEMP: _____	10	<u>250 ml</u>	9.1	6.0	3.1		<u>12.4</u>
COMP <u>3°</u>							
REF <u>3°</u>	GRAB <u>7.6</u>		DUP GRAB ph <u>7.93</u>			AVG. BOD <u>14.7</u>	
TIME PICKED UP <u>6:18 AM</u>			Adj Temp <u>20.0</u>			TEST NO <u>4</u>	
TIME ON <u>9:23</u>	OFF <u>8:28</u>		Adj pH <u>7.04</u>				

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 3735
 TOTAL # 5331 AVG. # 1333
 MTD MTD
17.4 x 8.34 x 11 = 1596
FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
17.4 x 8.34 x 14.7 = 2133
BOD TODAY
 PREV. MTD TOTAL # 5848
 TOTAL # 7981 AVG. # 1995
 MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC _____	1	SEED					
PH COMP _____							
GRAB _____	8						
FLOW _____	9						
TEMP: _____	10						
COMP _____							
REF _____	GRAB _____		AVG. BOD _____			TEST NO _____	
TIME PICKED UP _____			Adj Temp _____				
TIME ON _____	OFF _____		Adj pH _____				

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET

E1 - TSS = 12

TODAY'S DATE 1-14-21 SAMPLE DATE 1-13-21 DATE ON 1-14-21 DATE OFF 1-19-21

INC. TEMP. ON 20.0 TESTER ON J. Morgan PH METER BUFFED TSS OVEN TEMP. 105°

OFF 20.1 OFF Phillips 10.10 7.02 ACT. PH OF BUFFER 4.00

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>52.77</u>	1	SEED	<u>9.1</u>	<u>8.4</u>	<u>.7</u>		
PH COMP	<u>7.93</u>	5	<u>1000</u> <u>Conc</u>	<u>8.4</u>	<u>8.1</u>	<u>.3</u>	<u>-17</u>	
GRAB	<u>8.22</u> (<u>1000</u> <u>Am</u>)	6	<u>1013</u> <u>4ml</u>	<u>8.4</u>	<u>8.3</u>	<u>.1</u>	<u>-37</u>	
FLOW	<u>13.3</u>	7	<u>1010</u> <u>3ml</u>	<u>8.5</u>	<u>8.4</u>	<u>.1</u>	<u>-37</u>	

REF N/A GRAB 13.4 Adj Temp 19.8
 TIME PICKED UP 6:07 AM Adj pH 7.05
 TIME ON 8:12 AM OFF 8:25

D.O. METER CALIBRATION

7.47
 MET ON 20.3 TEMP. CALIB. 9.02
 OFF 20.1 9.07

DESSICATOR BEADS
 BLUE
 PINK

RAINFALL
 DATE IN

Dil H2O
 Temp 19.0
 ON 8.9
 OFF 8.8

COMMENTS:
NO REA @ E1

Outfall 001
E-2

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>34.62</u>	1	SEED					
PH COMP	<u>7.22</u>	8	<u>250ml</u>	<u>8.8</u>	<u>3.8</u>	<u>5.0</u>		<u>14.3</u>
GRAB	<u>7.62</u> (<u>1000</u> <u>Am</u>)	9	<u>300ml</u>	<u>8.8</u>	<u>5.5</u>	<u>3.3</u>		<u>11.0</u>
FLOW	<u>16.7</u>	10	<u>250ml</u>	<u>8.7</u>	<u>5.8</u>	<u>2.9</u>		<u>11.6</u>

REF 0 GRAB 7.2 DUP GRAB
 TIME PICKED UP 6:18 ph 7.62 AVG. BOD 12.3
 TIME ON 8:31 AM OFF 8:28 Adj Temp 19.6 TEST NO 5
 Adj pH 7.07

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 5331
 TOTAL # 7002 AVG. # 1400
 MTD MTD
 $16.7 \times 8.34 \times 12 = 11.71$
 FLOW SS (PPM) TOT. # SOLIDS
 $16.7 \times 8.34 \times 12.3 = 1713$
 FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # 7981
 TOTAL # 9694 AVG. # 1939
 MTD MTD

E-3

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC		1	SEED					
PH COMP		8						
GRAB		9						
FLOW		10						

REF _____ GRAB _____
 TIME PICKED UP _____ Adj Temp _____
 TIME ON _____ OFF _____ Adj pH _____

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 $\text{FLOW} \times 8.34 \times \text{SS (PPM)} = \text{TOT. # SOLIDS}$
 FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

Used New DO Meter

NPDES LOG SHEET

E1 - 26

TODAY'S DATE 1-15-21 SAMPLE DATE 1-14-21 DATE ON 1-15-21 DATE OFF 1-20-21

INC. TEMP. ON 20 TESTER ON J Morgan PH METER BUFFED 10 7 TSS OVEN TEMP. 105

OFF 19.9 OFF Phillips 10.08 2.02 ACT. PH OF BUFFER 4.00

E-1

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>58.39</u>	1	SEED	9.3	8.4	1.9		
PH COMP <u>9.11</u>							
GRAB <u>9.02 (108)</u>	<u>5</u>	<u>6 mL</u>	<u>9.3</u>	<u>8.2</u>	<u>1.1</u>	<u>.74</u>	<u>37</u>
FLOW <u>12.2</u>	<u>6</u>	<u>4 mL</u>	<u>9.3</u>	<u>8.6</u>	<u>.7</u>	<u>.134</u>	<u>26</u>
TEMP: <u>F. 64.0</u>	<u>7</u>	<u>3 mL</u>	<u>9.3</u>	<u>8.7</u>	<u>.6</u>	<u>.124</u>	<u>24</u>
COMP <u>F. 64.0</u>							
REF <u>N/A</u>	GRAB <u>13.5</u>	Adj Temp <u>19.8</u>	AVG. BOD <u>29</u>				
TIME PICKED UP <u>6:07 am</u>	Adj pH <u>6.97</u>	TEST NO					
TIME ON <u>9:18</u>	OFF <u>8:05</u>						

D.O. METER CALIBRATION

P. 36
MET New Meter ON 21.9 TEMP. CALIB. 8.71
OFF 20.4 9.08

DESSICATOR BEADS
BLUE
PINK

Dil H₂O Temp 19.2
ON 9.27
OFF 9.2

RAINFALL
DATE IN

COMMENTS:
No Ref @ E1

E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>33.82</u>	1	SEED					
PH COMP <u>7.51</u>							
GRAB <u>7.78 (62)</u>	8	<u>350 mL</u>	<u>9.0</u>	<u>2.5</u>	<u>6.5</u>		<u>18.6</u>
FLOW <u>15.7</u>	9	<u>300 mL</u>	<u>9.1</u>	<u>3.9</u>	<u>5.2</u>		<u>17.3</u>
TEMP:	10	<u>250 mL</u>	<u>9.1</u>	<u>5.1</u>	<u>4.0</u>		<u>16.0</u>
COMP			<u>4.5</u>	<u>4.6</u>			<u>18.4</u>
REF <u>2°</u>	GRAB <u>7.6</u>	DUP GRAB	AVG. BOD <u>17.8</u>				
TIME PICKED UP <u>6:20</u>	ph <u>7.79</u>	Adj Temp <u>6.98</u>	TEST NO <u>6</u>				
TIME ON <u>9:40</u>	OFF <u>8:08</u>	Adj pH <u>20.2</u>					

TOTAL SUSPENDED SOLIDS ML 100

PREV. MTD TOTAL # 7002

TOTAL # 8835 AVG. # 1473

MTD

15.7 x 8.34 x 14 = 1833
FLOW SS (PPM) TOT. # SOLIDS

FLOW BOD PPM
15.7 x 8.34 x 17.8 = 2331
BOD TODAY

PREV. MTD TOTAL # 9694

TOTAL # 12024 AVG. # 2004

MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP							
GRAB	8						
FLOW	9						
TEMP:	10						
COMP							
REF	GRAB	AVG. BOD					
TIME PICKED UP	Adj Temp	TEST NO					
TIME ON	OFF	Adj pH					

TOTAL SUSPENDED SOLIDS ML

PREV. MTD TOTAL #

TOTAL # AVG. #

MTD MTD

FLOW x 8.34 x =
SS (PPM) TOT. # SOLIDS

FLOW BOD PPM
x 8.34 x =
BOD TODAY

PREV. MTD TOTAL #

TOTAL # AVG. #

MTD MTD

Flooded

NPDES LOG SHEET E1-755-24

TODAY'S DATE 1-20-21 SAMPLE DATE 1-19-21 DATE ON 1-20-21 DATE OFF 1-25-21

INC. TEMP. ON 19.9 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 704
 OFF 20.1 OFF Phillips 10.07 7.02 4.0 ACT. PH OF BUFFER 4.00

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>46.89</u>	1	SEED	8.8	8.2	.6		
PH COMP <u>7.68</u>							
GRAB <u>6.58 (6.07)</u>	5	6ml	8.7	8.4	.3	1.06	3
FLOW <u>15.5</u>	6	4ml	8.7	8.5	.2	7.04	
TEMP: <u>1.040</u>	7	3ml	8.8	8.5	.3	1.06	6
COMP							
REF <u>N/A</u> GRAB <u>14.9</u>							
TIME PICKED UP <u>6:16</u>							
TIME ON <u>8:44</u> OFF <u>8:06</u>							
						AVG. BOD <u>5</u>	
						TEST NO	

D.O. METER CALIBRATION
P.24
 MET ON 19.4 CALIB. 9.21
 OFF 21.6 8.81
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL .55
 DATE IN _____
 DII H₂O Temp 20.0
 ON 8.8
 OFF 8.9

COMMENTS:
No Ref. @ E1.

outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>35.85</u>	1	SEED					
PH COMP <u>7.22</u>							
GRAB <u>7.72 (6.17)</u>	8	275ml	8.7	5.2	3.5		12.7
FLOW <u>17.3</u>	9	150ml	8.6	5.6	3.0		12.0
TEMP:	10	200ml	8.6	6.3	2.3		11.5
COMP							
REF <u>0</u> GRAB <u>9.7</u>							
TIME PICKED UP <u>6:16</u>							
TIME ON <u>8:56</u> OFF <u>8:15</u>							
						AVG. BOD <u>12.1</u>	
						TEST NO <u>7</u>	

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 9835
 TOTAL # 14999 AVG. # 1571
 MTD MTD
17.3 x 8.34 x 15 = 2164
FLOW SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
17.3 x 8.34 x 12.1 = 1746
BOD TODAY
 PREV. MTD TOTAL # 12024
 TOTAL # 13770 AVG. # 1967
 MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC _____	1	SEED					
PH COMP _____							
GRAB _____	8						
FLOW _____	9						
TEMP:	10						
COMP							
REF _____ GRAB _____							
TIME PICKED UP _____							
TIME ON _____ OFF _____							
						AVG. BOD	
						TEST NO	

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOODED

NPDES LOG SHEET E1 755-114

TODAY'S DATE 1-21-21 SAMPLE DATE 1-20-21 DATE ON 1-21-21 DATE OFF 1-26-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 105
 OFF 20.0 OFF Phillips 10.08 7.02 4.0 ACT. PH OF BUFFER 4.00

D.O. METER CALIBRATION
 P 32
 MET ON 19.8 CALIB. 9.14
 OFF 21.1 8.9
 DESSICATOR BEADS
 BLUE
 PINK _____
 Dil H₂O
 Temp 20.0
 ON 8.9
 OFF 8.9
 RAINFALL .07
 DATE _____ IN _____

COMMENTS:
No Ref. @ E1

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>56.53</u>	1	SEED	<u>8.9</u>	<u>8.1</u>	<u>.8</u>	---	---
PH COMP	<u>8.23</u>	5	<u>6ml</u>	<u>8.9</u>	<u>8.2</u>	<u>.7</u>	<u>.38</u>	<u>19</u>
GRAB	<u>6.52</u>	6	<u>4ml</u>	<u>8.9</u>	<u>8.4</u>	<u>.5</u>	<u>.18</u>	<u>14</u>
FLOW	<u>12.6</u>	7	<u>3ml</u>	<u>8.9</u>	<u>8.4</u>	<u>.5</u>	<u>.18</u>	<u>18</u>
TEMP: (7:00)	<u>F.040</u>							
COMP								
REF	<u>N/A</u>	GRAB	<u>15.9</u>	Adj Temp	<u>20.0</u>	AVG. BOD	<u>17</u>	
TIME PICKED UP	<u>6:00</u>			Adj pH	<u>7.05</u>	TEST NO		
TIME ON	<u>8:09</u>							
	OFF							
	<u>8:33</u>							

Outfall 001
E-2

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>35.72</u>	1	SEED					
PH COMP	<u>7.01</u>	8	<u>75ml</u>	<u>8.8</u>	<u>5.3</u>	<u>3.5</u>		<u>12.7</u>
GRAB	<u>7.44</u>	9	<u>250ml</u>	<u>8.8</u>	<u>5.8</u>	<u>3.0</u>		<u>12.0</u>
FLOW	<u>16.5</u>	10	<u>200ml</u>	<u>8.8</u>	<u>6.7</u>	<u>2.1</u>		<u>10.5</u>
TEMP:								
COMP								
REF	<u>0</u>	GRAB	<u>10.5</u>	DUP GRAB		AVG. BOD	<u>11.7</u>	
TIME PICKED UP	<u>6:16</u>			ph	<u>7.46</u>	TEST NO	<u>8</u>	
TIME ON	<u>8:20</u>			Adj Temp	<u>19.8</u>			
	OFF			Adj pH	<u>6.96</u>			
	<u>8:37</u>							

TOTAL SUSPENDED SOLIDS ML 105
 PREV. MTD TOTAL # 10993
 TOTAL # 17788 AVG. # 1599
 MTD MTD
 $16.5 \times 8.34 \times 13 = 1789$
 FLOW SS(PPM) TOT. # SOLIDS
 $16.5 \times 8.34 \times 11.7 = 1610$
 FLOW BOD PPM #BOD TODAY
 PREV. MTD TOTAL # 13770
 TOTAL # 15380 AVG. # 1923
 MTD MTD

E-3

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC		1	SEED					
PH COMP		8						
GRAB		9						
FLOW		10						
TEMP:								
COMP								
REF		GRAB		AVG. BOD		TEST NO		
TIME PICKED UP				Adj Temp				
TIME ON				Adj pH				

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 $\text{FLOW} \times 8.34 \times \text{SS(PPM)} = \text{TOT. \# SOLIDS}$
 $\text{FLOW} \times 8.34 \times \text{BOD PPM} = \text{\# BOD TODAY}$
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOODED

NPDES LOG SHEET E1-755-18

TODAY'S DATE 1-22-21 SAMPLE DATE 1-21-21 DATE ON 1-22-21 DATE OFF 1-27-20

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 105
 OFF 20.0 OFF Phillips 10.08 7.02 40 ACT. PH OF BUFFER 4.0

E-1	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
	TOC	1	SEED	8.7	8.0	.7	
PH COMP	5	6ml	8.8	7.9	.9	.62	31
GRAB	6	4ml	8.8	8.2	.6	.32	25
FLOW	7	3ml	8.8	8.2	.6	.32	32
TEMP: <u>F, 040</u>							
COMP							
REF <u>N/A</u>	GRAB <u>14.5</u>	Adj Temp <u>19.5</u>	AVG. BOD <u>29</u>				
TIME PICKED UP <u>6:12</u>	Adj pH <u>7.00</u>		TEST NO				
TIME ON <u>8:35</u>	OFF <u>8:08</u>						

D.O. METER CALIBRATION
P, 28 TEMP. CALIB. 9.09
 MET ON 20.0 OFF 20.5 9.00
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL .58
 DATE _____ IN _____
 Dil H₂O Temp 20.0
 ON 8.6
 OFF 8.7
 COMMENTS:
No Ref @ E1.

Outfall 001 E-2	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
	TOC	1	SEED				
PH COMP	8	275 ml	8.7	5.3	3.4		12.4
GRAB	9	250 ml	8.7	5.3	3.4		12.4
FLOW	10	200 ml	8.7	5.5	2.9		11.6
TEMP:							
COMP							
REF <u>0</u>	GRAB <u>10.6</u>	DUP GRAB	AVG. BOD <u>12.5</u>				
TIME PICKED UP <u>6:25</u>	ph <u>7.44</u>		TEST NO <u>9</u>				
TIME ON <u>8:50</u>	OFF <u>8:15</u>		Adj Temp <u>20.3</u> Adj pH <u>7.01</u>				

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 12788
 TOTAL # 1770 AVG. # 1604
 MTD MTD
 $17.9 \times 8.34 \times 11 = 1642$
 FLOW SS (PPM) TOT. # SOLIDS
 $17.9 \times 8.34 \times 12.5 = 1866$
 FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # 15380
 TOTAL # 17246 AVG. # 1916
 MTD MTD

Clarifier Out	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
	TOC	1	SEED	8.7	8.0	.7	
PH COMP	11	6ml	8.8	7.4	1.4	1.12	56
GRAB	12	4ml	8.8	7.7	1.1	.82	63
FLOW	13	3ml	8.8	7.8	1.0	.72	72
TEMP:							
COMP							
REF <u>N/A</u>	GRAB <u>11.1</u>	Adj Temp <u>19.5</u>	AVG. BOD <u>64</u>				
TIME PICKED UP <u>6:48</u>	Adj pH <u>6.98</u>		TEST NO <u>1</u>				
TIME ON <u>8:38</u>	OFF <u>8:12</u>						

TOTAL SUSPENDED SOLIDS ML 25
 PREV. MTD TOTAL # _____
 TOTAL # 2219 AVG. # 2219
 MTD MTD
 $33.8 \times 8.34 \times 10 = 281$
 FLOW SS (PPM) TOT. # SOLIDS
 $33.8 \times 8.34 \times 64 = 18041$
 FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # 18041 AVG. # 18041
 MTD MTD

NPDES LOG SHEET E1-TSS-14

TODAY'S DATE 1-27-21 SAMPLE DATE 1-26-21 DATE ON 1-27-21 DATE OFF 2-1-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 140
 OFF 20.0 OFF Phillips 10.06 7.01 4.0 ACT. PH OF BUFFER 4.00

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>58.51</u>	1	SEED	<u>8.6</u>	<u>7.8</u>	<u>.8</u>		
PH COMP	<u>8.41</u>	5	<u>6ml</u>	<u>8.5</u>	<u>7.9</u>	<u>1.6</u>	<u>.28</u>	<u>14</u>
GRAB	<u>6.56</u>	6	<u>4ml</u>	<u>8.5</u>	<u>8.0</u>	<u>.5</u>	<u>.18</u>	<u>14</u>
FLOW	<u>12.0</u>	7	<u>3ml</u>	<u>8.5</u>	<u>8.1</u>	<u>.4</u>	<u>.108</u>	<u>8</u>

TEMP: F.040
 COMP 1010
 REF N/A GRAB 15.3 Adj Temp 19.7 AVG. BOD 12
 TIME PICKED UP 6:05 Adj pH 7.00 TEST NO
 TIME ON 9:02 OFF 8:59

D.O. METER CALIBRATION
P.32 MET ON 20.5 CALIB. 9.00
 OFF 19.8 9.14
 DESSICATOR BEADS
 BLUE
 PINK
 RAINFALL DATE IN
 Dll H2O Temp 20.0
 ON 8.6
 OFF 8.5
 COMMENTS:
No Ref @ E1.

Outfall 001
E-2

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>37.60</u>	1	SEED					
PH COMP	<u>7.09</u>	8	<u>275ml</u>	<u>8.4</u>	<u>4.8</u>	<u>3.6</u>		<u>13.1</u>
GRAB	<u>7.39</u>	9	<u>250ml</u>	<u>8.4</u>	<u>3.8</u>	<u>4.6</u>		<u>18.4</u>
FLOW	<u>20.2</u>	10	<u>200ml</u>	<u>8.4</u>	<u>5.6</u>	<u>2.8</u>		<u>14.0</u>

TEMP:
 COMP
 REF 2 GRAB 11.6 DUP GRAB ph 7.46 AVG. BOD 15.2
 TIME PICKED UP 6:16 Adj Temp 19.8 TEST NO 10
 TIME ON 9:12 OFF 9:04 Adj pH 7.05

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 14430
 TOTAL # 16789 AVG. # 1611
 MTD MTD
 $20.2 \times 8.34 \times 14 = 2407$
 FLOW x 8.34 x SS (PPM) = TOT. # SOLIDS
 $20.2 \times 8.34 \times 15.2 = 2561$
 FLOW x 8.34 x BOD PPM = # BOD TODAY
 PREV. MTD TOTAL # 17246
 TOTAL # 19807 AVG. # 1981
 MTD MTD

E-3

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC		1	SEED					
PH COMP		8						
GRAB		9						
FLOW		10						

TEMP:
 COMP
 REF GRAB
 TIME PICKED UP Adj Temp
 TIME ON OFF Adj pH

TOTAL SUSPENDED SOLIDS ML
 PREV. MTD TOTAL #
 TOTAL # AVG. #
 MTD MTD
 FLOW x 8.34 x SS (PPM) = TOT. # SOLIDS
 FLOW x 8.34 x BOD PPM = # BOD TODAY
 PREV. MTD TOTAL #
 TOTAL # AVG. #
 MTD MTD

FLOODED

NPDES LOG SHEET E1-755-14

TODAY'S DATE 1-28-21 SAMPLE DATE 1-27-21 DATE ON 1-28-21 DATE OFF 2-2-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 104
 OFF 20.0 OFF Phillips 10.08 7.02 4.0
 ACT. PH OF BUFFER 4.00

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>66.03</u>	1	SEED	8.8	8.0	.8		
PH COMP <u>8.65</u>							
GRAB <u>6.59</u> (6)	5	6ml	8.8	7.9	.9	1.58	29
FLOW <u>11.9</u>	6	4ml	8.8	8.1	.7	1.38	29
TEMP: <u>F. 040</u>	7	3ml	8.8	8.2	.6	1.28	28
COMP							
REF <u>N/A</u>	GRAB <u>13.6</u>	Adj Temp <u>19.5</u>	AVG. BOD <u>29</u>				
TIME PICKED UP <u>6:12</u>	Adj pH <u>7.05</u>	TEST NO					
TIME ON <u>8:43</u>	OFF <u>8:19</u>						

D.O. METER CALIBRATION
P. 32
 MET ON 19.1 CALIB. 9.26
 OFF _____
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL
 DATE _____ IN _____
 DII H2O
 Temp 20.0
 ON 8.8
 OFF 8.8
 COMMENTS:
No Ref @ E1.

Outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>36.66</u>	1	SEED					
PH COMP <u>6.98</u>							
GRAB <u>7.37</u> (8)	8	275ml	8.7	5.8	2.9		10.5
FLOW <u>17.4</u>	9	250ml	8.7	5.8	2.9		11.6
TEMP:	10	200ml	8.7	6.5	2.2		11.0
COMP							
REF <u>0</u>	GRAB <u>8.8</u>	DUP GRAB	AVG. BOD <u>11.0</u>				
TIME PICKED UP <u>6:22</u>	ph <u>7.38</u>	TEST NO <u>11</u>					
TIME ON <u>8:58</u>	OFF <u>8:25</u>	Adj Temp <u>20.5</u>					
		Adj pH <u>7.05</u>					

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 14789
 TOTAL # 18240 AVG. # 1658
 MTD MTD
 $17.4 \times 8.34 \times 10 = 1451$
FLOW SS(PPM) TOT. # SOLIDS
 $17.4 \times 8.34 \times 11.0 = 1596$
FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # 19807
 TOTAL # 21403 AVG. # 1946
 MTD MTD

Clarifier
Out

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>47.28</u>	1	SEED					
PH COMP <u>6.37</u>							
GRAB <u>5.25</u>	1	6ml	8.8	6.7	2.1	1.78	89
FLOW <u>29.3</u>	2	4ml	8.8	7.1	1.7	1.38	106
TEMP:	3	3ml	8.8	7.2	1.6	1.28	128
COMP							
REF <u>N/A</u>	GRAB <u>15.3</u>	Adj Temp <u>19.9</u>	AVG. BOD <u>108</u>				
TIME PICKED UP <u>6:42</u>	Adj pH <u>7.06</u>	TEST NO					
TIME ON <u>8:46</u>	OFF <u>8:22</u>						

TOTAL SUSPENDED SOLIDS ML 25
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 $29.3 \times 8.34 \times 14 = 3401$
FLOW SS(PPM) TOT. # SOLIDS
 $29.3 \times 8.34 \times 108 = 26391$
FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET #1-755-8

TODAY'S DATE 1-29-21 SAMPLE DATE 1-28-21 DATE ON 1-29-21 DATE OFF 2-3-21

INC. TEMP. ON 20.1 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 104
 OFF 20.1 OFF Phillips 10.09 7.02 4.0
 ACT. PH OF BUFFER 4.00

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>51.19</u>	1	SEED	8.9	8.0	1.9	—	—
PH COMP	<u>8.35</u>	5	6ml	8.8	7.9	1.9	.54	27
GRAB	<u>6.51</u>	6	4ml	8.8	8.2	1.6	.24	18
FLOW	<u>12.0</u>	7	3ml	8.8	8.3	1.5	.14	14
TEMP: <u>F. 040</u>								
COMP								
REF <u>N/A</u>	GRAB <u>13.3</u>						AVG. BOD <u>20</u>	
TIME PICKED UP <u>6:15</u>							TEST NO	
TIME ON <u>8:16</u>	OFF <u>8:07</u>							

D.O. METER CALIBRATION
 P. 36
 MET ON 18.5 TEMP. CALIB. 9.37
 OFF 19.5 9.28
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL
 DATE _____ IN _____
 Dil H₂O
 Temp 20.0
 ON 8.9
 OFF 8.9
 COMMENTS:
No Ref. @ E1.

Outfall 001
E-2

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>37.52</u>	1	SEED					
PH COMP	<u>7.01</u>	8	275ml	8.9	5.2	3.7		13.5
GRAB	<u>7.60</u>	9	250ml	8.8	5.1	3.7		13.5
FLOW	<u>15.7</u>	10	200ml	8.8	5.5	3.3		13.2
TEMP:				8.8	6.4	2.4		12.0
COMP				8.8	5.9	2.9		14.5
REF <u>#1</u>	GRAB <u>8.4</u>						AVG. BOD <u>13.3</u>	
TIME PICKED UP <u>6:25</u>							TEST NO <u>12</u>	
TIME ON <u>8:28</u>	OFF <u>8:10</u>							

TOTAL SUSPENDED SOLIDS ML 1810
 PREV. MTD TOTAL # 15240
 TOTAL # 19478 AVG. # 1618
 MTD MTD
15.7 x 8.34 x 9 = 1178
 FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
15.7 x 8.34 x 13.3 = 1741
 # BOD TODAY
 PREV. MTD TOTAL # 21403
 TOTAL # 23144 AVG. # 1929
 MTD MTD

E-3

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	_____	1	SEED					
PH COMP	_____	8						
GRAB	_____	9						
FLOW	_____	10						
TEMP:								
COMP								
REF _____	GRAB _____						AVG. BOD _____	
TIME PICKED UP _____							TEST NO _____	
TIME ON _____	OFF _____							

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 FLOW x 8.34 x _____ = _____
 FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOODED

NPDES LOG SHEET E1-TSS-14

TODAY'S DATE 2-3-21 SAMPLE DATE 2-2-21 DATE ON 2-3-21 DATE OFF 2-8-21

INC. TEMP. ON 20.1 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 105
 OFF 20.0 OFF Jordan 10.09 7.02 4.0
 ACT. PH OF BUFFER 4.00

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>58.26</u>	1	SEED	<u>8.8</u>	<u>8.0</u>	<u>.8</u>		
PH COMP	<u>8.67</u>							
GRAB	<u>6.82 (6 ml)</u>	5	<u>6ml</u>	<u>8.8</u>	<u>8.0</u>	<u>.8</u>	<u>.48</u>	<u>24</u>
FLOW	<u>12.9</u>	6	<u>4ml</u>	<u>8.8</u>	<u>8.2</u>	<u>.6</u>	<u>.28</u>	<u>22</u>
TEMP: <u>F.04^o</u>		7	<u>3ml</u>	<u>8.8</u>	<u>8.3</u>	<u>.5</u>	<u>.18</u>	<u>18</u>
COMP								
REF <u>N/A</u>	GRAB <u>13.4</u>	Adj Temp <u>20.1</u>		AVG. BOD <u>2.1</u>		TEST NO		
TIME PICKED UP <u>6:12</u>	Adj pH <u>6.95</u>							
TIME ON <u>8:42</u>	OFF <u>9:02</u>							

D.O. METER CALIBRATION
P.32
 MET ON 19.0 TEMP. CALIB. 9.28
 OFF 19.0 9.28
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL
 DATE IN _____
 Dil H₂O Temp 20.0
 ON 8.8
 OFF 8.9
 COMMENTS:
No Ref @ E1.

outfall 001
E-2

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>38.99</u>	1	SEED					
PH COMP	<u>7.11</u>							
GRAB	<u>7.59 (250ml)</u>	8	<u>250ml</u>	<u>8.8</u>	<u>3.7</u>	<u>5.1</u>		<u>204</u>
FLOW	<u>14.3</u>	9	<u>200ml</u>	<u>8.8</u>	<u>4.9</u>	<u>3.9</u>		<u>19.5</u>
TEMP:		10	<u>175ml</u>	<u>8.8</u>	<u>5.7</u>	<u>3.1</u>		<u>17.7</u>
COMP								
REF <u>0</u>	GRAB <u>7.4</u>	DUP GRAB		AVG. BOD <u>19.2</u>		TEST NO <u>1</u>		
TIME PICKED UP <u>6:20</u>	ph <u>7.01</u>							
TIME ON <u>8:50</u>	Adj Temp <u>20.1</u>							
	Adj pH <u>7.04</u>							

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # _____
 TOTAL # 1908 AVG. # 1908
 MTD MTD
14.3 x 8.34 x 16 = 1908
FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
14.3 x 8.34 x 19.2 = 2290
BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # 2290 AVG. # 2290
 MTD MTD

E-3

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC		1	SEED					
PH COMP								
GRAB		8						
FLOW		9						
TEMP:		10						
COMP								
REF _____	GRAB _____	AVG. BOD _____		TEST NO _____				
TIME PICKED UP _____	Adj Temp _____							
TIME ON _____	Adj pH _____							

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOODED

NPDES LOG SHEET 51-755-22

WEEKDAY'S DATE 2-4-21 SAMPLE DATE 2-3-21 DATE ON 2-4-21 DATE OFF 2-9-21

TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 10x
 OFF 20.0 OFF Jordan 12.08 7.02 4.0 ACT. PH OF BUFFER 4.00

D.O. METER CALIBRATION
P.36
 MET ON 19.8 TEMP. CALIB. 9.14
 OFF 20.2 9.05

DESSICATOR BEADS
 BLUE _____
 PINK _____
 RAINFALL
 DATE IN _____
 Dil H₂O
 Temp 20.0
 ON 9.0
 OFF 8.8

COMMENTS:
No Ref. @ El.

E-1

BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
1	SEED	8.9	8.0	.9	---	---
5	6ml	8.8	7.8	1.0	.64	32
6	4ml	8.8	8.1	.7	.34	26
7	3ml	8.8	8.2	.6	.24	24

TOC 53.78
 PH COMP 7.58
 GRAB 6.36
 FLOW 13.1
 TEMP: K.040
 COMP
 REF N/A GRAB 15.3 Adj Temp 19.7
 TIME PICKED UP 6:10a Adj pH 7.05
 TIME ON 8:31 OFF 8:01am

AVG. BOD 27
 TEST NO

Outfall 001 E-2

BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
1	SEED					
8	250ml	8.8	4.0	4.8		19.2
9	200ml	8.8	4.8	4.0		20.0
10	175ml	8.8	5.6	3.2		18.3

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 1908
 TOTAL # 11070 AVG. # 2035
 MTD MTD
 $14.4 \times 8.34 \times 18 = 21102$
 FLOW SS (PPM) TOT. # SOLIDS

$14.4 \times 8.34 \times 19.2 = 2306$
 FLOW BOD PPM # BOD TODAY

PREV. MTD TOTAL # 2290
 TOTAL # 4596 AVG. # 2298
 MTD MTD

TOC 38.38
 PH COMP 7.00
 GRAB 7.49
 FLOW 14.4
 TEMP:
 COMP
 REF 0 GRAB 12.9 DUP GRAB
 TIME PICKED UP 6:30 ph 7.60
 TIME ON 8:44 OFF 8:05 Adj Temp 20.0
 Adj pH 7.02

AVG. BOD 19.2
 TEST NO 2

Clarifier E-3

BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
1	SEED					
8	6ml	8.9	7.1	1.8	1.44	72
9	4ml	8.9	8.1	.8	.44	34
10	3ml	8.9	8.2	.7	.34	34

TOTAL SUSPENDED SOLIDS ML 25
 PREV. MTD TOTAL # _____
 TOTAL # 5504 AVG. # _____
 MTD MTD
 $27.5 \times 8.34 \times 24 = 5504$
 FLOW SS (PPM) TOT. # SOLIDS

$27.5 \times 8.34 \times 48 = 11009$
 FLOW BOD PPM # BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # 11009 AVG. # 11009
 MTD MTD

TOC 45.88
 PH COMP 5.57
 GRAB 5.09
 FLOW 27.5
 TEMP:
 COMP
 REF N/A GRAB 13.9
 TIME PICKED UP 6:36 Adj Temp 20.4
 TIME ON 8:34 OFF 8:03 Adj pH 7.04

AVG. BOD 48
 TEST NO 1

NPDES LOG SHEET 21-738-210

TODAY'S DATE 2-5-21 SAMPLE DATE 2-4-21 DATE ON 2-5-21 DATE OFF 2-10-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 105
 OFF 20.1 OFF Jordan 10.07 7.02 4.0 ACT. PH OF BUFFER 4.00

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>50.71</u>	1	SEED	<u>8.8</u>	<u>8.0</u>	<u>.8</u>		
PH COMP	<u>7.51</u>							
GRAB	<u>6.96 (bill)</u>	5	<u>6ml</u>	<u>8.7</u>	<u>7.6</u>	<u>1.1</u>	<u>.78</u>	<u>39</u>
FLOW	<u>12.8</u>	6	<u>4ml</u>	<u>8.7</u>	<u>7.9</u>	<u>.8</u>	<u>.48</u>	<u>37</u>
TEMP: <u>F.040</u>		7	<u>3ml</u>	<u>8.7</u>	<u>8.0</u>	<u>.7</u>	<u>.38</u>	<u>38</u>
COMP								
REF <u>N/A</u>	GRAB <u>13.8</u>						AVG. BOD <u>38</u>	
TIME PICKED UP <u>6:10</u>							TEST NO	
TIME ON <u>7:54</u>	OFF <u>8:28</u>							

D.O. METER CALIBRATION
P.32
 MET ON 19.7 TEMP. CALIB. 9.15
 OFF 19.5 9.9
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL
 DATE _____ IN _____
 DII H2O
 Temp 20.0
 ON 8.8
 OFF 8.7
 COMMENTS:
No Ref. @ E1.

Outfall 001 E-2

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>37.54</u>	1	SEED					
PH COMP	<u>7.09</u>							
GRAB	<u>7.42 (bill)</u>	8	<u>250ml</u>	<u>8.7</u>	<u>2.8</u>	<u>5.9</u>		<u>22.8</u>
FLOW	<u>14.8</u>	9	<u>200ml</u>	<u>8.7</u>	<u>4.1</u>	<u>4.6</u>		<u>23.0</u>
TEMP:		10	<u>175ml</u>	<u>8.7</u>	<u>5.0</u>	<u>3.7</u>		<u>21.1</u>
COMP								<u>21.7</u>
REF <u>0</u>	GRAB <u>8.6</u>						AVG. BOD <u>22.5</u>	
TIME PICKED UP <u>6:20</u>							TEST NO <u>3</u>	
TIME ON <u>8:08</u>	OFF <u>8:31</u>							

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 4070
 TOTAL # 5798 AVG. # 1933
 MTD MTD
14.8 x 8.34 x 14 = 1728
 FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
14.8 x 8.34 x 22.5 = 2777
 # BOD TODAY
 PREV. MTD TOTAL # 4596
 TOTAL # 7373 AVG. # 2458
 MTD MTD

E-3

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC		1	SEED					
PH COMP								
GRAB		8						
FLOW		9						
TEMP:		10						
COMP								
REF	GRAB						AVG. BOD	
TIME PICKED UP							TEST NO	
TIME ON	OFF							

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOODED

NPDES LOG SHEET

E1 735.20

TODAY'S DATE 2-10-21 SAMPLE DATE 2-09-21 DATE ON 2-10-21 DATE OFF 2-15-21

INC. TEMP. ON 20.1 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP. 104°

OFF 20.0 OFF Jordan 10.08 7.02 ACT. PH OF BUFFER 4.00

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>63.88</u>	1	SEED	<u>8.9</u>	<u>8.1</u>	<u>.8</u>		
PH COMP	<u>8.33</u>	5	<u>Coml</u>	<u>8.8</u>	<u>7.9</u>	<u>.9</u>	<u>36</u>	<u>18</u>
GRAB	<u>6.61</u>	6	<u>4ml</u>	<u>8.8</u>	<u>8.0</u>	<u>.8</u>	<u>26</u>	<u>20</u>
FLOW	<u>12.2</u>	7	<u>3ml</u>	<u>8.8</u>	<u>8.2</u>	<u>.6</u>	<u>.06</u>	<u>6</u>
TEMP: COMP	<u>1.067</u>							
REF	<u>(NA)</u>	GRAB	<u>13.9</u>	Adj Temp	<u>20.3</u>	AVG. BOD	<u>19</u>	TEST NO
TIME PICKED UP	<u>6:22am</u>	Adj pH	<u>6.92</u>					
TIME ON	<u>9:18</u>	OFF	<u>9:07</u>					

D.O. METER CALIBRATION

P.54

MET ON 19.5 TEMP. CALIB. 9.19

OFF 19.8 9.14

DESSICATOR BEADS

BLUE

PINK

RAINFALL DATE IN

Dil H2O Temp 20.0

ON 8.9

OFF 8.7

COMMENTS: No Ref @ E1

Outfall 001

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>37.76</u>	1	SEED					
PH COMP	<u>7.28</u>	8	<u>220ml</u>	<u>8.7</u>	<u>5.0</u>	<u>3.7</u>		<u>16.8</u>
GRAB	<u>7.30</u>	9	<u>170ml</u>	<u>8.8</u>	<u>6.4</u>	<u>2.4</u>		<u>14.1</u>
FLOW	<u>13.9</u>	10	<u>140ml</u>	<u>8.8</u>	<u>6.9</u>	<u>1.9</u>		<u>13.6</u>
TEMP: COMP	<u>1.0</u>							
REF	<u>10</u>	GRAB	<u>9.3</u>	DUP GRAB	<u>7.37</u>	AVG. BOD	<u>14.8</u>	TEST NO
TIME PICKED UP	<u>6:30am</u>	Adj Temp	<u>20.0</u>					
TIME ON	<u>9:38</u>	OFF	<u>7:07</u>					

TOTAL SUSPENDED SOLIDS ML 100

PREV. MTD TOTAL # 5772

TOTAL # 7421 AVG. # 1895

MTD MTD

13.7 x 8.34 x 11 = 1162.3

FLOW SS (PPM) TOT. # SOLIDS

FLOW BOD PPM

13.9 x 8.34 x 14.8 = 1716

BOD TODAY

PREV. MTD TOTAL # 7373

TOTAL # 9089 AVG. # 2272

MTD MTD

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC		1	SEED					
PH COMP		8						
GRAB		9						
FLOW		10						
TEMP: COMP								
REF		GRAB		AVG. BOD		TEST NO		
TIME PICKED UP		Adj Temp						
TIME ON		OFF						

TOTAL SUSPENDED SOLIDS ML

PREV. MTD TOTAL #

TOTAL # AVG. #

MTD MTD

FLOW x 8.34 x =

FLOW SS (PPM) TOT. # SOLIDS

FLOW BOD PPM

x 8.34 x =

BOD TODAY

PREV. MTD TOTAL #

TOTAL # AVG. #

MTD MTD

NPDES LOG SHEET

67 13.7.12

TODAY'S DATE 2-11-21 SAMPLE DATE 2-10-21 DATE ON 2-11-21 DATE OFF 2-16-21

INC. TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP. 104°

OFF 20.0 OFF Phillips 1009 7.02 ACT. PH OF BUFFER 4.00

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC	1	SEED	9.0	8.3			
PH COMP							
GRAB	5	6ml	9.0	8.4	1.6	1.32	16
FLOW	6	4ml	9.0	8.6	.4	1.12	9.2
TEMP:	7	3ml	9.0	8.7	.3	1.02	2
COMP							
REF	(NA) GRAB 8.1		Adj Temp 20.0		AVG. BOD 13.0		
TIME PICKED UP	6:17am		Adj pH 6.96		TEST NO		
TIME ON	7:31		OFF 9:39				

D.O. METER CALIBRATION

P. 28
 MET ON TEMP. 19.6 CALIB. 9.17
 OFF 24.6 8.32

DESSICATOR BEADS
 BLUE
 PINK

Dil H₂O
 Temp 20.0
 ON 7.0
 OFF 9.0

RAINFALL
 DATE 2-10 IN 1.87

COMMENTS:
No Ref @ E1

Outfall 001 E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP							
GRAB	8	22ml	8.8	6.2	2.6		11.8
FLOW	9	17ml	8.9	6.9	2.0		11.8
TEMP:	10	14ml	8.9	7.5	1.4		10
COMP							
REF	0° GRAB 3.2		DUP GRAB ph 7.38		AVG. BOD 11.2		
TIME PICKED UP	6:25		Adj Temp 19.7		TEST NO 5		
TIME ON	9:55		OFF 9:45		Adj pH 7.06		

TOTAL SUSPENDED SOLIDS ML 160

PREV. MTD TOTAL # 7751

TOTAL # 2260 AVG. # 1166

MTD MTD

16.9 x 8.34 x 11.2 = 1579
FLOW SS (PPM) TOT. # SOLIDS

PREV. MTD TOTAL # 9089

TOTAL # 10668 AVG. # 2.133

MTD MTD

CLAPIFC Out

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP							
GRAB	8	6ml	9.0	8.1	.9	1.62	31
FLOW	9	4ml	8.9	8.2	.7	1.42	32
TEMP:	10	3ml	8.9	8.4	.5	1.22	22
COMP							
REF	NA GRAB 9.8		Adj Temp 19.1		AVG. BOD 28		
TIME PICKED UP	6:45		Adj pH 7.01		TEST NO		
TIME ON	9:33		OFF 9:42				

TOTAL SUSPENDED SOLIDS ML 2.5ml

PREV. MTD TOTAL #

TOTAL # 7751 AVG. # 4.61

MTD MTD

37.4 x 8.34 x 11 = 3461
FLOW SS (PPM) TOT. # SOLIDS

PREV. MTD TOTAL #

TOTAL # AVG. #

MTD MTD

NPDES LOG SHEET

E1 7:00 24

TODAY'S DATE 2-12-21 SAMPLE DATE 2-11-21 DATE ON 2-12-21 DATE OFF 2-17-21

INC. TEMP. ON 20.0 TESTER ON Goldair PH METER BUFFED 10 7 TSS OVEN TEMP. 104°

OFF 20.0 OFF Phillips 10.11 7.03 ACT. PH OF BUFFER 4.00

E-1

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED	9.2	8.6	.6	—	—
PH COMP	5	6ml	9.2	8.2	1.0	.6	30
GRAB	6	4ml	9.1	8.5	.6	.2	15
FLOW	7	3ml	9.1	8.4	.5	.1	10

TEMP: F, 067
 COMP (N/A) GRAB 9.7 Adj Temp 19.5
 TIME PICKED UP 6:40am Adj pH 7.08
 TIME ON 8:46 OFF 7:57

D.O. METER CALIBRATION

P.40
 MET ON 18.3 TEMP. CALIB. 9.41
 OFF 18.5 9.37

DESSICATOR BEADS
 BLUE _____
 PINK _____

Rainfall
 DATE 2-11 IN .04

Dil H₂O Temp 20.0
 ON 9.2
 OFF 9.0

COMMENTS:
No Ref @ E1

Outfall 001 E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	8	22ml	9.1	5.3	3.8		17.3
GRAB	9	170ml	9.1	6.1	3.0		17.7
FLOW	10	140ml	9.1	6.2	2.9		17.6
TEMP:			9.1	6.9	2.2		17.1
COMP			9.1	6.6	2.5		15.7

REF 0 GRAB 6.3 DUP GRAB
 TIME PICKED UP 6:24am ph 7.34
 TIME ON 9:05 OFF 8:02 Adj Temp 20.9
 Adj pH 6.93

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 8566
 TOTAL # 11006 AVG. # 1714
 MTD MTD
 FLOW 30.8 x 8.34 x 11 = 2800
 SS (PPM) TOT. # SOLIDS

FLOW 30.8 BOD PPM 17.2 = 4418
 # BOD TODAY

PREV. MTD TOTAL # 10668
 TOTAL # 15086 AVG. # 2514
 MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						

REF _____ GRAB _____
 TIME PICKED UP _____ Adj Temp _____
 TIME ON _____ OFF _____ Adj pH _____

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 FLOW x 8.34 x =
 SS (PPM) TOT. # SOLIDS

FLOW BOD PPM
 x 8.34 x =
 # BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET 81-7550 8/0

TODAY'S DATE 2-17-21 SAMPLE DATE 2-16-21 DATE ON 2-17-21 DATE OFF 2-22-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 104
 OFF 20.0 OFF Jordan 10.16 7.03 4.0 ACT. PH OF BUFFER 4.00

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>38.77</u>	1	SEED	9.1	8.2	.9		
PH COMP	<u>6.92</u>	5	3ml	9.0	8.4	.6	.24	12
GRAB	<u>6.18 (6.2)</u>	6	5ml	9.1	8.5	.6	.24	18.5
FLOW	<u>11.8</u>	7	8ml	9.1	8.6	.5	.14	14
TEMP:	<u>20.40</u>							
COMP								
REF	<u>N/A</u>	GRAB	<u>3.9</u>	Adj Temp	<u>19.6</u>	AVG. BOD <u>15</u>		
TIME PICKED UP	<u>6:22</u>	Adj pH	<u>6.98</u>	TEST NO				
TIME ON	<u>8:34</u>	OFF	<u>9:31</u>					

D.O. METER CALIBRATION
P.36
 MET ON TEMP. 18.5 CALIB. 9.37
 OFF 26.9 8.76
 DESSICATOR BEADS BLUE PINK _____
 RAINFALL 1.08
 DATE _____ IN _____
 DII H2O Temp 20.0
 ON 9.16
 OFF 8.1
 COMMENTS: No Ref. @ E1.

Outfall 001
E-2

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>41.24</u>	1	SEED					
PH COMP	<u>7.26</u>	8	220ml	9.0	5.6	3.4		15.5
GRAB	<u>7.19 (6.8)</u>	9	175ml	9.0	5.8	3.2		18.3
FLOW	<u>15.3</u>	10	150ml	9.0	6.7	2.3		15.3
TEMP:								
COMP								
REF	<u>5</u>	GRAB	<u>5.3</u>	DUP GRAB		AVG. BOD	<u>16.4</u>	
TIME PICKED UP	<u>6:33</u>	ph	<u>7.21</u>	Adj Temp	<u>20.3</u>	TEST NO	<u>7</u>	
TIME ON	<u>8:48</u>	OFF	<u>9:34</u>	Adj pH	<u>7.04</u>			

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 11656
 TOTAL # 13157 AVG. # 1351
 MTD MTD
 $15.3 \times 8.34 \times 16 = 2042$
 FLOW SS (PPM) TOT. # SOLIDS
 $15.3 \times 8.34 \times 16.4 = 2093$
 # BOD TODAY
 PREV. MTD TOTAL # 15086
 TOTAL # 17179 AVG. # 2454
 MTD MTD

E-3

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC		1	SEED					
PH COMP		8						
GRAB		9						
FLOW		10						
TEMP:								
COMP								
REF		GRAB		AVG. BOD		TEST NO		
TIME PICKED UP		Adj Temp						
TIME ON		OFF		Adj pH				

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 $\text{FLOW} \times 8.34 \times \text{SS (PPM)} = \text{TOT. \# SOLIDS}$
 $\text{FLOW} \times 8.34 \times \text{BOD PPM} = \text{# BOD TODAY}$
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

SNOW

NPDES LOG SHEET

TODAY'S DATE 2-18-21 SAMPLE DATE 2-17-21 DATE ON 2-18-21 DATE OFF 2-23-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 104
 OFF 20.0 OFF Jedron 10.09 7.02 40 ACT. PH OF BUFFER 4.00

E-1

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD	
TOC	1	SEED						
PH COMP								
GRAB	5							
FLOW	6	<i>No sample</i>						
TEMP:	7							
COMP								

REF _____ GRAB _____ Adj Temp _____
 TIME PICKED UP _____ Adj pH _____
 TIME ON _____ OFF _____

D.O. METER CALIBRATION

MET	ON	TEMP. <u>20.9</u>	CALIB. <u>8.93</u>
	OFF	<u>21.9</u>	<u>8.76</u>

DESSICATOR BEADS
 BLUE
 PINK _____

RAINFALL .18
 DATE _____ IN _____

Dil H₂O
 Temp 20.0
 ON 8.8
 OFF 8.8

COMMENTS:
Couldn't get to sampler - snow/ice!

Outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP							
GRAB	8	<u>220ml</u>	<u>8.7</u>	<u>1.7</u>	<u>7.0</u>		<u>31.8</u>
FLOW	9	<u>175ml</u>	<u>8.7</u>	<u>3.2</u>	<u>5.5</u>		<u>31.4</u>
TEMP:	10	<u>150ml</u>	<u>8.7</u>	<u>4.0</u>	<u>3.7</u>		<u>24.7</u>
COMP							

REF 4 GRAB 3.0 DUP GRAB _____
 TIME PICKED UP 10:16 ph 7.74
 TIME ON 11:50 OFF 8:42am Adj Temp 19.9
 Adj pH 7.04

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 13697
 TOTAL # 17147 AVG. # 2331
 MTD MTD

21.2 x 8.34 x 28 = 4950
FLOW SS (PPM) TOT. # SOLIDS

FLOW 21.2 BOD PPM 293 = 5180
BOD TODAY

PREV. MTD TOTAL # 17179
 TOTAL # 22359 AVG. # 2795
 MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD	
TOC	1	SEED						
PH COMP								
GRAB	8							
FLOW	9	<i>Flow loaded</i>						
TEMP:	10							
COMP								

REF _____ GRAB _____
 TIME PICKED UP _____ Adj Temp _____
 TIME ON _____ OFF _____ Adj pH _____

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

_____ x 8.34 x _____ = _____
FLOW SS (PPM) TOT. # SOLIDS

FLOW _____ BOD PPM _____ = _____
BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET E1-755-32

TODAY'S DATE 2-19-21 SAMPLE DATE 2-18-21 DATE ON 2-19-21 DATE OFF 2-24-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 10
 OFF 20.0 OFF Jordan 10.11 7.03 4.0 ACT. PH OF BUFFER 4.00

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>11.48</u>	1	SEED	<u>9.0</u>	<u>8.3</u>	<u>.7</u>	—	—
PH COMP	<u>7.39</u>	5	<u>6ml</u>	<u>9.1</u>	<u>8.6</u>	<u>.5</u>	<u>.22</u>	<u>11</u>
GRAB	<u>6.41</u>	6	<u>4ml</u>	<u>9.1</u>	<u>8.7</u>	<u>.4</u>	<u>.12</u>	<u>9</u>
FLOW	<u>12.9</u>	7	<u>3ml</u>	<u>9.1</u>	<u>8.7</u>	<u>.4</u>	<u>.12</u>	<u>12</u>
TEMP: <u>8.040</u>								
COMP								
REF <u>N/A</u>	GRAB <u>2.7</u>			Adj Temp <u>19.5</u>				
TIME PICKED UP <u>7:00</u>				Adj pH <u>6.96</u>				
TIME ON <u>9:33</u>	OFF <u>8:22</u>							

D.O. METER CALIBRATION
P.28
 MET ON 20.2 TEMP. CALIB. 9.05
 OFF 21.6 8.81
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL
 DATE _____ IN _____
 Dil H₂O
 Temp 20.0
 ON 9.0
 OFF 9.0
 COMMENTS:
No Ref. @ E1.

Outfall 001
E-2

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>38.48</u>	1	SEED					
PH COMP	<u>7.18</u>			<u>9.2</u>	<u>4.3</u>	<u>4.9</u>		<u>22.3</u>
GRAB	<u>7.40</u>		<u>220ml</u>	<u>9.2</u>	<u>4.2</u>	<u>5.0</u>		<u>22.7</u>
FLOW	<u>15.7</u>	9	<u>175ml</u>	<u>9.2</u>	<u>5.0</u>	<u>4.2</u>		<u>24.0</u>
TEMP:				<u>9.2</u>	<u>5.1</u>	<u>4.1</u>		<u>23.4</u>
COMP		10	<u>150ml</u>	<u>9.2</u>	<u>5.8</u>	<u>3.1</u>		<u>22.7</u>
				<u>9.2</u>	<u>5.6</u>	<u>3.6</u>		<u>21.9</u>
REF <u>3</u>	GRAB <u>4.4</u>			DUP GRAB				
				ph <u>7.45</u>				
TIME PICKED UP <u>7:24</u>				Adj Temp <u>19.5</u>				
TIME ON <u>9:44</u>	OFF <u>8:24</u>			Adj pH <u>6.95</u>				

TOTAL SUSPENDED SOLIDS ML 190
 PREV. MTD TOTAL # 18641
 TOTAL # 21135 AVG. # 2342
 MTD MTD
15.7 x 8.34 x 19 = 2422
FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
15.7 x 8.34 x 23.2 = 3038
BOD TODAY
 PREV. MTD TOTAL # 22359
 TOTAL # 25397 AVG. # 2822
 MTD MTD

E-3

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC		1	SEED					
PH COMP		8						
GRAB		9						
FLOW		10						
TEMP:								
COMP								
REF _____	GRAB _____							
TIME PICKED UP _____				Adj Temp _____				
TIME ON _____	OFF _____			Adj pH _____				

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 FLOW x 8.34 x _____ = _____
FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
 x 8.34 x _____ = _____
BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOODED

NPDES LOG SHEET

E1 733 718

TODAY'S DATE 2-24-21 SAMPLE DATE 2-23-21 DATE ON 2-24-21 DATE OFF 3-1-21

INC. TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP. 105°

OFF 20.0 OFF Phillips 10.07 7.02 ACT. PH OF BUFFER 4.00

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC	1	SEED	8.5	7.6	.9	—	—
PH COMP							
GRAB	5	Cont	8.5	7.8	.7	.34	17
FLOW	6	4ml	8.5	7.9	.6	.24	18
TEMP:	7	3ml	8.5	8.0	.5	.14	14
COMP							
REF	GRAB <u>8.4</u>		Adj Temp <u>20.2</u>		AVG. BOD <u>16</u>		
TIME PICKED UP	<u>6:14am</u>		Adj pH <u>6.93</u>		TEST NO		
TIME ON	<u>9:27</u>		<u>9:18</u>				

D.O. METER CALIBRATION		
P.36	TEMP.	CALIB.
MET	ON <u>21.6</u>	<u>8.81</u>
	OFF <u>21.7</u>	<u>8.79</u>
DESSICATOR BEADS		
BLUE		
PINK		
RAINFALL		
DATE	IN	
Dil H2O		
Temp	<u>20.0</u>	
ON	<u>8.5</u>	
OFF	<u>8.4</u>	

COMMENTS:
No Net @ E1
Change membrane D.O. meter
3-24-21

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
Outfall 001 E-2							
TOC	1	SEED					
PH COMP							
GRAB	8	22ml	8.5	5.5	3.0		13.6
FLOW	9	17ml	8.5	5.8	2.7		15.4
TEMP:	10	15ml	8.5	6.8	1.7		11.3
COMP							
REF	GRAB <u>8.9</u>		DUP GRAB		AVG. BOD <u>13.4</u>		
TIME PICKED UP	<u>6:24am</u>		ph <u>7.30</u>		TEST NO <u>10</u>		
TIME ON	<u>9:44</u>		Adj Temp <u>20.1</u>				
	<u>9:21</u>		Adj pH <u>6.99</u>				

TOTAL SUSPENDED SOLIDS ML	<u>1.0</u>
PREV. MTD TOTAL #	<u>21135</u>
TOTAL #	<u>21135</u>
AVG. #	<u>2461</u>
MTD	
MTD	
FLOW	<u>30.0</u>
SS (PPM)	<u>11</u>
TOT. # SOLIDS	<u>3300</u>
FLOW	<u>30.0</u>
BOD PPM	<u>13.4</u>
# BOD TODAY	<u>3353</u>
PREV. MTD TOTAL #	<u>25397</u>
TOTAL #	<u>28750</u>
AVG. #	<u>2875</u>
MTD	
MTD	

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-3							
TOC	1	SEED					
PH COMP							
GRAB	8						
FLOW	9						
TEMP:	10						
COMP							
REF	GRAB		AVG. BOD		TEST NO		
TIME PICKED UP			Adj Temp				
TIME ON			Adj pH				

TOTAL SUSPENDED SOLIDS ML	
PREV. MTD TOTAL #	
TOTAL #	
AVG. #	
MTD	
MTD	
FLOW	
SS (PPM)	
TOT. # SOLIDS	
FLOW	
BOD PPM	
# BOD TODAY	
PREV. MTD TOTAL #	
TOTAL #	
AVG. #	
MTD	
MTD	

NPDES LOG SHEET

TODAY'S DATE 2-25-21 SAMPLE DATE 2-24-21 DATE ON 2-25-21 DATE OFF 3-03-21

INC. TEMP. ON 19.9 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP. 105°

OFF 20.0 OFF Phillips 10.05 7.01 ACT. PH OF BUFFER 4.01

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>34.14</u>	1	SEED	<u>8.3</u>	<u>7.7</u>	<u>.6</u>	—	—
PH COMP	<u>6.97</u>	5	<u>Cont.</u>	<u>8.2</u>	<u>7.4</u>	<u>.8</u>	<u>.4</u>	<u>20</u>
GRAB	<u>6.64</u> <u>6.15</u>	6	<u>4.0</u>	<u>8.3</u>	<u>7.6</u>	<u>.7</u>	<u>.3</u>	<u>23</u>
FLOW	<u>12.3</u>	7	<u>3.0</u>	<u>8.2</u>	<u>7.6</u>	<u>.6</u>	<u>.2</u>	<u>20</u>
TEMP: <u>F, 067</u>								
COMP								
REF <u>(NA)</u>	GRAB <u>11.2</u>	Adj Temp <u>20.0</u>		AVG. BOD <u>21</u>		TEST NO		
TIME PICKED UP <u>6:14am</u>	Adj pH <u>7.00</u>							
TIME ON <u>7:01</u>	OFF <u>8:40</u>							

D.O. METER CALIBRATION

P.40

MET ON 22.1 TEMP. CALIB. 8.72

OFF 20.5 9.0

DESSICATOR BEADS

BLUE

PINK

RAINFALL DATE IN

Dil H₂O Temp 20.0

ON 8.3

OFF 8.2

COMMENTS: NO REP @ E1

Outfall 001

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>35.04</u>	1	SEED					
PH COMP	<u>7.22</u>	8	<u>2.0</u>	<u>8.4</u>	<u>5.0</u>	<u>3.4</u>		<u>15.5</u>
GRAB	<u>7.38</u> <u>6.25</u>	9	<u>1.5</u>	<u>8.4</u>	<u>6.0</u>	<u>2.4</u>		<u>13.7</u>
FLOW	<u>25.2</u>	10	<u>1.0</u>	<u>8.4</u>	<u>6.4</u>	<u>2.0</u>		<u>13.3</u>
TEMP: <u>4°</u>								
COMP								
REF <u>4°</u>	GRAB <u>10.3</u>	DUP GRAB ph <u>7.37</u>		AVG. BOD <u>14.2</u>		TEST NO <u>11</u>		
TIME PICKED UP <u>6:24am</u>	Adj Temp <u>19.7</u>							
TIME ON <u>9:22</u>	OFF <u>8:48</u>		Adj pH <u>6.98</u>					

TOTAL SUSPENDED SOLIDS ML 100

PREV. MTD TOTAL # 24122

TOTAL # 26000 AVG. # 2417

MTD MTD

25.2 x 8.34 x 9 = 1812

FLOW SS (PPM) TOT. # SOLIDS

FLOW BOD PPM

25.2 x 8.34 x 14.2 = 2984

BOD TODAY

PREV. MTD TOTAL # 28750

TOTAL # 31734 AVG. # 2885

MTD MTD

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC		1	SEED					
PH COMP		8						
GRAB		9						
FLOW		10						
TEMP:								
COMP								
REF	GRAB	AVG. BOD		TEST NO				
TIME PICKED UP	Adj Temp							
TIME ON	OFF		Adj pH					

TOTAL SUSPENDED SOLIDS ML

PREV. MTD TOTAL #

TOTAL # AVG. #

MTD MTD

x 8.34 x =

FLOW SS (PPM) TOT. # SOLIDS

FLOW BOD PPM

x 8.34 x =

BOD TODAY

PREV. MTD TOTAL #

TOTAL # AVG. #

MTD MTD

NPDES LOG SHEET

E1 7040

TODAY'S DATE 2-26-21 SAMPLE DATE 2-25-21 DATE ON 2-26-21 DATE OFF 3-03-21

INC. TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP. 104°

OFF 200 OFF Jordan 10.06 7.01 ACT. PH OF BUFFER 4.01

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>29.70</u>	1	SEED	8.4	7.8	.6	—	—
PH COMP	<u>7.18</u>	5	6ml	8.4	7.5	.9	.5	.25
GRAB	<u>6.38</u>	6	4ml	8.4	7.7	.7	.3	.23
FLOW	<u>23.7</u>	7	3ml	8.4	7.7	.7	.3	.30
TEMP: <u>F. 067</u>								
COMP								
REF <u>(NA)</u>	GRAB <u>11.0</u>						AVG. BOD <u>26</u>	
TIME PICKED UP <u>6:12am</u>							TEST NO	
TIME ON <u>8:28</u>	OFF <u>8:56</u>							

D.O. METER CALIBRATION
 P. 40
 MET ON 21.8 TEMP. CALIB. 8.78
 OFF 20.8 8.95
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL
 DATE 2-25 IN 2.02
 Dil H₂O Temp 20.0
 ON 8.4
 OFF 8.9
 COMMENTS:
no Rep @ E1

Outfall 001
E-2

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>34.84</u>	1	SEED					
PH COMP	<u>7.33</u>	8	22ml	8.5	5.1	3.4		15.3
GRAB	<u>7.28</u>	9	17.5ml	8.5	6.1	2.4		15.5
FLOW	<u>25.9</u>	10	150ml	8.5	6.2	2.3		13.7
TEMP:								13.1
COMP								12.0
REF <u>3°</u>	GRAB <u>9.9</u>						AVG. BOD <u>13.9</u>	
TIME PICKED UP <u>6:21am</u>							TEST NO <u>12</u>	
TIME ON <u>8:42</u>	OFF <u>8:59</u>							

TOTAL SUSPENDED SOLIDS ML 140
 PREV. MTD TOTAL # 26520
 TOTAL # 29770 AVG. # 2451
 MTD MTD
 $259 \times 8.34 \times 15 = 3090$
 FLOW SS (PPM) TOT. # SOLIDS
 $25.9 \times 8.34 \times 13.9 = 3002$
 FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # 31734
 TOTAL # 34736 AVG. # 2295
 MTD MTD

E-3

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC		1	SEED					
PH COMP		8						
GRAB		9						
FLOW		10						
TEMP:								
COMP								
REF	GRAB						AVG. BOD	
TIME PICKED UP							TEST NO	
TIME ON	OFF							

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 FLOW x 8.34 x SS (PPM) = TOT. # SOLIDS
 FLOW BOD PPM # BOD TODAY
 x 8.34 x =
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOODED

NPDES LOG SHEET

E1-733-24

TODAY'S DATE 3-3-21 SAMPLE DATE 3-2+21 DATE ON 3-3-21 DATE OFF 3-8-21

INC. TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED 10 TSS OVEN TEMP. 104°

OFF 20.0 OFF Jordan 10.07 7.02 ACT. PH OF BUFFER 4.00

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>36.05</u>	1	SEED	8.4	7.7	.7		
PH COMP <u>7.49</u>							
GRAB <u>2.90</u> <u>6.19</u>	5	6ml	8.3	7.7	.6	.32	16
FLOW <u>19.4</u>	6	4ml	8.3	7.8	.5	.22	17
TEMP: <u>F. 0.10</u>	7	3ml	8.3	7.9	.4	.12	12
COMP							
REF <u>(NA)</u> GRAB <u>11.9</u> Adj Temp <u>19.0</u>							
TIME PICKED UP <u>6:18am</u> Adj pH <u>7.00</u>							
TIME ON <u>9:32</u> OFF <u>8:45</u>							

D.O. METER CALIBRATION

P.28

MET ON 20.8 TEMP. CALIB. 8.95

OFF 2.17 8.9

DESSICATOR BEADS

BLUE

PINK

Dil H2O

Temp 20.0

ON 8.5

OFF 8.4

RAINFALL

DATE

IN

COMMENTS:

no red @ E1

Outfall 001

E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>25.05</u>	1	SEED					
PH COMP <u>7.03</u>							
GRAB <u>6.94</u> <u>6.29</u>	8	220ml	8.5	7.3	1.2		5.5
FLOW <u>43.6</u>	9	15ml	8.4	7.4	1.0		5.7
TEMP:	10	15ml	8.4	7.6	.8		5.3
COMP							
REF <u>2°</u> GRAB <u>9.5</u> DUP GRAB							
TIME PICKED UP <u>6:28am</u> ph <u>6.94</u> AVG. BOD <u>5.5</u>							
TIME ON <u>9:51</u> OFF <u>8:47</u> Adj Temp <u>20.8</u> TEST NO <u>1</u>							

TOTAL SUSPENDED SOLIDS ML 100

PREV. MTD TOTAL #

TOTAL # 2156 AVG. # 2156

MTD

MTD

43.6 x 8.34 x 6 = 2156

FLOW SS (PPM) TOT. # SOLIDS

FLOW BOD PPM

43.6 x 8.34 x 5.5 = 2000

BOD TODAY

PREV. MTD TOTAL #

TOTAL # 2000 AVG. # 2000

MTD

MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP							
GRAB	8						
FLOW	9						
TEMP:	10						
COMP							
REF							
TIME PICKED UP							
TIME ON							

TOTAL SUSPENDED SOLIDS ML

PREV. MTD TOTAL #

TOTAL #

AVG. #

MTD

MTD

x 8.34 x =

FLOW SS (PPM) TOT. # SOLIDS

FLOW BOD PPM

x 8.34 x =

BOD TODAY

PREV. MTD TOTAL #

TOTAL #

AVG. #

MTD

MTD

NPDES LOG SHEET

E-1 7-23-20

TODAY'S DATE 3-4-21 SAMPLE DATE 3-3-21 DATE ON 3-4-21 DATE OFF 3-9-21

INC. TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP. 104°

OFF 20.0 OFF Jordan 10.08 7.02 ACT. PH OF BUFFER 4.00

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>35.39</u>	1	SEED	8.6	7.8	.8	—	—
PH COMP <u>7.45</u>							
GRAB <u>3.34</u> ^{6:17}	5	6ml	8.5	7.4	1.1	.78	39
FLOW <u>17.3</u>	6	4ml	8.5	7.6	.9	.58	45
TEMP: <u>6.00</u>							
COMP	7	3ml	8.5	7.7	.8	.48	48
REF <u>(NA)</u> GRAB <u>13.2</u>							
TIME PICKED UP <u>6:16 am</u>							
TIME ON <u>9:23</u> OFF <u>8:23</u>							

D.O. METER CALIBRATION

P.32

MET ON 21.7 CALIB. 2.79

OFF 21.0 8.92

DESSICATOR BEADS

BLUE

PINK

RAINFALL

DATE IN

Dil H₂O

Temp 20.0

ON 8.6

OFF 8.5

COMMENTS:

No Ref @ E1

Outfall 001

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-2							
TOC <u>24.42</u>	1	SEED					
PH COMP <u>7.09</u>							
GRAB <u>7.21</u> ^{6:26}	8	220ml	8.5	7.0	1.5		6.8
FLOW <u>31.8</u>	9	175ml	8.5	7.1	1.4		8.0
TEMP:							
COMP	10	150ml	8.5	7.2	1.3		8.7
REF <u>2°</u> GRAB <u>10.6</u>							
TIME PICKED UP <u>6:25 am</u>							
TIME ON <u>9:46</u> OFF <u>8:28</u>							

TOTAL SUSPENDED SOLIDS ML 100

PREV. MTD TOTAL # 2182

TOTAL # 4069 AVG. # 2034

MTD

318 x 8.34 x 9 = 2511

FLOW SS (PPM) TOT. # SOLIDS

FLOW BOD PPM

31.8 x 8.34 x 7.8 = 2069

BOD TODAY

PREV. MTD TOTAL # 2000

TOTAL # 4069 AVG. # 2034

MTD

Clarifier out

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-3							
TOC <u>21.80</u>	1	SEED					
PH COMP <u>6.82</u>							
GRAB <u>6.34</u> ^{6:19}	8	60ml	8.5	7.7	.8	.48	24
FLOW <u>49.1</u>	9	4ml	8.5	7.9	.6	.28	22
TEMP:							
COMP	10	3ml	8.5	7.7	.8	.48	48
REF <u>(NA)</u> GRAB <u>6.5</u>							
TIME PICKED UP <u>6:44 am</u>							
TIME ON <u>9:25</u> OFF <u>8:25</u>							

TOTAL SUSPENDED SOLIDS ML 25

PREV. MTD TOTAL # —

TOTAL # 4069 AVG. # 2034

MTD

49.1 x 8.34 x 10 = 4095

FLOW SS (PPM) TOT. # SOLIDS

FLOW BOD PPM

49.1 x 8.34 x 31 = 12694

BOD TODAY

PREV. MTD TOTAL # —

TOTAL # 12694 AVG. # 12694

MTD

NPDES LOG SHEET

TODAY'S DATE 3-5-21 SAMPLE DATE 3-4-21 DATE ON 3-5-21 DATE OFF 3-10-21

INC. TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP. 105°

OFF 20.0 OFF Jordan 10.07 7.61 ACT. PH OF BUFFER 4.00

E-1

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED	8.5	7.7	.8	—	—
PH COMP	5	6ml	8.4	7.7	.7	.38	19
GRAB	6	4ml	8.4	7.9	.5	.18	14
FLOW	7	3ml	8.4	8.0	.4	.08	8

REF (NA) GRAB 155 Adj Temp 19.7
 TIME PICKED UP 6:10pm Adj pH 6.78
 TIME ON 7:00 OFF 8:21

D.O. METER CALIBRATION
 P. 32
 MET ON 31.0 TEMP. CALIB. 8.92
 OFF 22.1 8.72
 DESSICATOR BEADS
 BLUE _____
 PINK _____
 RAINFALL
 DATE _____ IN _____
 Dil H₂O
 Temp 20.0
 ON 8.6
 OFF 8.4
 COMMENTS:
170 rel @ E1
Chg. membrane D.O. METER
(3-5-21)

Outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	8	20ml	8.4	6.8	1.6		7.3
GRAB	9	175ml	8.3	7.2	1.1		6.8
FLOW	10	150ml	8.3	7.1	1.2		6.9
TEMP:			8.3	7.4	.9		6.0
COMP			8.3	7.3	1.0		6.7

REF 3° GRAB 12.6 DUP GRAB
 TIME PICKED UP 6:25am ph 7.21
 TIME ON 9:15 OFF 8:24 Adj Temp 19.5
 Adj pH 6.96

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 4567
 TOTAL # 6461 AVG. # 2158
 MTD MTD
25.2 x 8.34 x 9 = 1871
 FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
25.2 x 8.34 x 6.7 = 1408
 # BOD TODAY
 PREV. MTD TOTAL # 4069
 TOTAL # 5477 AVG. # 1826
 MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						

REF _____ GRAB _____
 TIME PICKED UP _____ Adj Temp _____
 TIME ON _____ OFF _____ Adj pH _____

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET T-3 E-18

TODAY'S DATE 3-10-21 SAMPLE DATE 3-9-21 DATE ON 3-10-21 DATE OFF 3-15-21

INC. TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP. 105°

OFF 20.0 OFF Phillips 10.00 701 ACT. PH OF BUFFER 4.01

D.O. METER CALIBRATION

P. 28
 MET ON 22.1 TEMP. CALIB. 8.72
 OFF 23.8 8.45

DESSICATOR BEADS
 BLUE _____
 PINK _____

RAINFALL
 DATE IN

DiH H₂O
 Temp 20.0
 ON 8.4
 OFF 8.5

COMMENTS:
No Ref @ E1

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>38.68</u>	1	SEED	<u>8.4</u>	<u>7.7</u>	<u>.7</u>		
PH COMP	<u>8.17</u>							
GRAB	<u>6.00 6.14</u>	<u>1020</u> 5	<u>6ml</u>	<u>8.4</u>	<u>7.9</u>	<u>.5</u>	<u>.22</u>	<u>11</u>
FLOW	<u>14.0</u>	<u>1003</u> 6	<u>4ml</u>	<u>8.4</u>	<u>8.0</u>	<u>14</u>	<u>112</u>	<u>9</u>
TEMP:	<u>F. 040</u>	<u>1010</u> 7	<u>3ml</u>	<u>8.4</u>	<u>8.1</u>	<u>13</u>	<u>102</u>	<u>2</u>
COMP								
REF	<u>(D.A)</u>	GRAB	<u>18.0</u>	Adj Temp	<u>19.9</u>	AVG. BOD <u>10</u>		
TIME PICKED UP	<u>6:15 AM</u>	Adj pH	<u>7.04</u>	TEST NO				
TIME ON	<u>9:32</u>	OFF	<u>7:56</u>					

Outfall 001 E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>22.99</u>	1	SEED					
PH COMP	<u>7.22</u>							
GRAB	<u>7.19 6:38</u>	8	<u>275ml</u>	<u>8.3</u>	<u>6.3</u>	<u>2.0</u>		<u>7.3</u>
FLOW	<u>15.1</u>	9	<u>225ml</u>	<u>8.3</u>	<u>6.4</u>	<u>1.9</u>		<u>8.4</u>
TEMP:		10	<u>175ml</u>	<u>8.3</u>	<u>7.2</u>	<u>1.1</u>		<u>6.3</u>
COMP								
REF	<u>4.0</u>	GRAB	<u>15.5</u>	DUP GRAB	<u>7.17</u>	AVG. BOD <u>7.3</u>		
TIME PICKED UP	<u>6:22 AM</u>	Adj Temp	<u>20.6</u>	TEST NO <u>4</u>				
TIME ON	<u>9:46</u>	OFF	<u>7:59</u>					

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 64601
 TOTAL # 7343 AVG. # 1835
 MTD MTD
15.1 x 8.34 x 7 = 882
FLOW SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
15.1 x 8.34 x 7.3 = 919
BOD TODAY

PREV. MTD TOTAL # 5477
 TOTAL # 6396 AVG. # 1599
 MTD MTD

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC		1	SEED	<u>FL</u>	<u>00080</u>			
PH COMP								
GRAB		8						
FLOW		9						
TEMP:		10						
COMP								
REF		GRAB		AVG. BOD				
TIME PICKED UP		Adj Temp		TEST NO				
TIME ON		OFF						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
FLOW SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET F1 TSS-20

TODAY'S DATE 3-11-21 SAMPLE DATE 3-10-21 DATE ON 3-11-21 DATE OFF 3-16-21

INC. TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP. 104"
OFF 20.0 OFF Phillips 10.05 7.01 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>44.13</u>	1	SEED	8.2	7.4	.8		
PH COMP <u>9.04</u>							
GRAB <u>6.20</u> ^{6.18}	5	6mL	8.2	7.4	.8	.48	24
FLOW <u>13.8</u>							
TEMP: <u>F. 040</u>	6	4mL	8.2	7.6	.6	.28	22
COMP <u>(NA)</u>	7	3mL	8.2	7.7	.5	.18	18
REF <u>(NA)</u> GRAB <u>19.9</u>			Adj Temp <u>20.5</u>		AVG. BOD <u>21</u>		
TIME PICKED UP <u>6:17am</u>			Adj pH <u>6.98</u>		TEST NO		
TIME ON <u>8:29</u> OFF <u>8:12</u>							

D.O. METER CALIBRATION

9.52 MET ON 24.0 TEMP. CALIB. 8.42
OFF 24.1 8.4

DESSICATOR BEADS
BLUE PINK _____

RAINFALL
DATE _____ IN _____

Dil H₂O
Temp 20.0
ON 8.2
OFF 8.3

COMMENTS:
No Re 1 D. 11

Outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>23.22</u>	1	SEED					
PH COMP <u>7.08</u>							
GRAB <u>7.10</u> ^{6.26}	8	275mL	8.2	6.3	1.9		6.9
FLOW <u>15.3</u>							
TEMP: _____	9	225mL	8.2	6.8	1.4		6.2
COMP _____	10	175mL	8.2	7.0	1.2		6.9
REF <u>4.0</u> GRAB <u>17.4</u>			DUP GRAB ph <u>7.09</u>		AVG. BOD <u>6.7</u>		
TIME PICKED UP <u>6:25am</u>			Adj Temp <u>20.0</u>		TEST NO <u>5</u>		
TIME ON <u>9:30</u> OFF <u>8:16</u>			Adj pH <u>7.06</u>				

TOTAL SUSPENDED SOLIDS ML 100

PREV. MTD TOTAL # 7343

TOTAL # 8107 AVG. # 161.1

MTD MTD

15.3 x 8.34 x 6 = 766
FLOW SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
15.3 x 8.34 x 6.7 = 855
BOD TODAY

PREV. MTD TOTAL # 6396

TOTAL # 7251 AVG. # 1450

MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC _____	1	SEED	<u>FLOODED</u>				
PH COMP _____							
GRAB _____	8						
FLOW _____	9						
TEMP: _____	10						
COMP _____			AVG. BOD _____		TEST NO _____		
REF _____ GRAB _____			Adj Temp _____		Adj pH _____		
TIME PICKED UP _____							
TIME ON _____ OFF _____							

TOTAL SUSPENDED SOLIDS ML _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD MTD

_____ x 8.34 x _____ = _____
FLOW SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
_____ x 8.34 x _____ = _____
BOD TODAY

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD MTD

NPDES LOG SHEET

6170 28

TODAY'S DATE 3-12-21 SAMPLE DATE 3-11-21 DATE ON 3-12-21 DATE OFF 3-17-21

INC. TEMP. ON 19.9 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP. 104°

OFF 20.0 OFF Phillips 10.04 7.00 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED	8.1	7.3	.8	—	—
PH COMP	5	Cont	8.0	7.0	1.0	.68	34
GRAB	6	4mL	8.1	7.4	.7	.38	29
TEMP: F, 040	7	3mL	8.1	7.4	.7	.38	38
COMP							
REF (N/A)	GRAB	20.8	Adj Temp	20.8	AVG. BOD	34	TEST NO
TIME PICKED UP	6:00am	Adj pH	6.99				
TIME ON	8:30	OFF	7:44				

D.O. METER CALIBRATION

P, 32
 MET ON 24.4 TEMP. CALIB. 8.36
 OFF 25.3 8.21

DESSICATOR BEADS
 BLUE
 PINK _____

RAINFALL
 DATE _____ IN _____

Dil H₂O
 Temp 20.0
 ON 8.2
 OFF 8.2

COMMENTS:
NO REF @ E1

Outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	8	275ml	8.1	6.0	2.1		7.6
GRAB	9	225ml	8.1	6.5	1.6		7.1
TEMP: 4°	10	175ml	8.1	6.9	1.2		6.9
COMP							
REF	GRAB	17.9	DUP GRAB	7.02	AVG. BOD	7.2	TEST NO
TIME PICKED UP	6:19am	Adj Temp	19.2				
TIME ON	8:45	OFF	7:47	Adj pH	7.04		

TOTAL SUSPENDED SOLIDS ML 1100

PREV. MTD TOTAL # 8107

TOTAL # 8825 AVG. # 1470

MTD MTD

FLOW 14.3 x 8.34 x 6 = 716
 SS (PPM) TOT. # SOLIDS

FLOW 14.3 BOD PPM 7.2 = 859
 # BOD TODAY

PREV. MTD TOTAL # 7251

TOTAL # 8110 AVG. # 1352

MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD	
TOC	1	SEED	FLOODED					
PH COMP	8							
GRAB	9							
TEMP:	10							
COMP								
REF	GRAB		AVG. BOD		TEST NO			
TIME PICKED UP		Adj Temp						
TIME ON		OFF	Adj pH					

TOTAL SUSPENDED SOLIDS ML _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD MTD

FLOW x 8.34 x =
 SS (PPM) TOT. # SOLIDS

FLOW BOD PPM
 x 8.34 x =
 # BOD TODAY

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD MTD

NPDES LOG SHEET E1-TSS-34

TODAY'S DATE 3-17-21 SAMPLE DATE 3-16-21 DATE ON 3-17-21 DATE OFF 3-22-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED 10 TSS OVEN TEMP. 104

OFF 20.1 OFF Phillips 10.03 7.00 4.0 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>48.87</u>	1	SEED	7.7	6.9	.8		
PH COMP <u>7.23</u>							
GRAB <u>6.15</u> (<u>6.0</u>)	5	6ml	7.6	6.6	1.0	.68	34
FLOW <u>18.5</u>	6	4ml	7.7	6.8	.9	.58	45
TEMP: <u>F, 10.40</u>	7	3ml	7.6	7.0	.6	.28	28
COMP							
REF <u>N/A</u> GRAB <u>22.1</u>							
TIME PICKED UP <u>6:04</u>							
TIME ON <u>8:26</u> OFF <u>8:02</u>							
						AVG. BOD <u>36</u>	
						TEST NO	

D.O. METER CALIBRATION

P .32 TEMP. CALIB. 8.21

MET ON 25.3 OFF _____

DESSICATOR BEADS BLUE PINK _____

Rainfall 1.02 DATE _____ IN _____

Dil H2O Temp 20.0 ON 7.8 OFF 7.7

COMMENTS: No Ref. @ E1

Outfall 001 E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>25.56</u>	1	SEED					
PH COMP <u>7.05</u>							
GRAB <u>6.87</u> (<u>6.1</u>)	8	325ml	7.8	6.6	1.2		3.7
FLOW <u>17.6</u>	9	275ml	7.8	6.6	1.2		4.4
TEMP:	10	250ml	7.8	7.0	.8		3.2
COMP							
REF <u>4</u> GRAB <u>22.0</u>							
TIME PICKED UP <u>6:14</u>							
TIME ON <u>8:38</u> OFF <u>8:05</u>							
						AVG. BOD <u>3.8</u>	
						TEST NO <u>7</u>	

TOTAL SUSPENDED SOLIDS ML 100

PREV. MTD TOTAL # 8825

TOTAL # 9119 AVG. # 1302

MTD MTD

17.6 x 8.34 x 2 = 294

FLOW SS (PPM) TOT. # SOLIDS

FLOW BOD PPM

17.6 x 8.34 x 3.8 = 558

BOD TODAY

PREV. MTD TOTAL # 8118

TOTAL # 8668 AVG. # 1238

MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC _____	1	SEED					
PH COMP _____							
GRAB _____	8						
FLOW _____	9						
TEMP:	10						
COMP							
REF _____ GRAB _____							
TIME PICKED UP _____							
TIME ON _____ OFF _____							
						AVG. BOD _____	
						TEST NO _____	

TOTAL SUSPENDED SOLIDS ML _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD MTD

_____ x 8.34 x _____ = _____

FLOW SS (PPM) TOT. # SOLIDS

FLOW BOD PPM

_____ x 8.34 x _____ = _____

BOD TODAY

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD MTD

FLOODED

NPDES LOG SHEET 01-755-26

TODAY'S DATE 3-18-21 SAMPLE DATE 3-17-21 DATE ON 3-18-21 DATE OFF 3-23-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 105
 OFF 20.1 OFF Phillips 1005 7.01 4.0 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC	1	SEED	8.0	7.2	.8	—	—
PH COMP	5	6 ml	7.9	7.0	.9	.58	29
GRAB	6	4 ml	7.9	7.2	.7	.38	29
FLOW	7	3 ml	7.9	7.3	.6	.28	28
TEMP: <u>F. 040</u>							
COMP							
REF <u>N/A</u>	GRAB <u>17.9</u>		Adj Temp <u>19.9</u>		AVG. BOD <u>29</u>		
TIME PICKED UP <u>6:07</u>			Adj pH <u>7.02</u>		TEST NO		
TIME ON <u>8:07</u>	OFF <u>8:02</u>						

D.O. METER CALIBRATION
P.32
 MET ON 21.4 TEMP. CALIB. 8.85
 OFF 22.3 9.6.9
 DESSICATOR BEADS
 BLUE
 PINK _____
 Dil H₂O
 Temp 20.0
 ON 8.0
 OFF 8.0
 RAINFALL .07
 DATE _____ IN _____
 COMMENTS:
No P&P @ E1.

Outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	8	325 ml	8.0	6.6	1.4		4.3
GRAB	9	275 ml	8.0	7.1	.9		3.3
FLOW	10	250 ml	8.0	7.2	.8		3.2
TEMP:							
COMP							
REF <u>3</u>	GRAB <u>16.8</u>		DUP GRAB		AVG. BOD <u>3.6</u>		
TIME PICKED UP <u>6:17</u>			ph <u>6.85</u>		TEST NO <u>8</u>		
TIME ON <u>8:22</u>	OFF <u>8:08</u>		Adj Temp <u>20.1</u>				
			Adj pH <u>6.95</u>				

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 9119
 TOTAL # 9386 AVG. # 1173
 MTD MTD
 $16.0 \times 8.34 \times 2 = 267$
 FLOW SS (PPM) TOT. # SOLIDS
 $16.0 \times 8.34 \times 3.6 = 480$
 # BOD TODAY
 PREV. MTD TOTAL # 8668
 TOTAL # 9148 AVG. # 1143
 MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF _____	GRAB _____		AVG. BOD _____		TEST NO _____		
TIME PICKED UP _____			Adj Temp _____				
TIME ON _____	OFF _____		Adj pH _____				

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 $\text{FLOW} \times 8.34 \times \text{SS (PPM)} = \text{TOT. # SOLIDS}$
 $\text{FLOW} \times 8.34 \times \text{BOD PPM} = \text{# BOD TODAY}$
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET E1-TSS-26

TODAY'S DATE 3-19-21 SAMPLE DATE 3-18-21 DATE ON 3-19-21 DATE OFF 3-24-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 104
 OFF 20.0 OFF Phillips 10.06 7.01 4.0
 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>40.48</u>	1	SEED	8.3	7.6	17		
PH COMP <u>7.63</u>							
GRAB <u>5.90</u> <small>6ml</small>	5	6ml	8.2	7.3	19	1.62	31
FLOW <u>13.2</u>	6	4ml	8.2	7.7	15	1.22	17.1
TEMP: <u>F, 040</u>	7	3 ml	8.2	7.7	15	1.22	22
COMP							
REF <u>N/A</u> GRAB <u>18.3</u> Adj Temp <u>20.1</u>	AVG. BOD <u>23</u>						
TIME PICKED UP <u>6:20</u> Adj pH <u>7.05</u>	TEST NO						
TIME ON <u>7:44</u> OFF <u>7:34</u>							

D.O. METER CALIBRATION

7.28

MET ON 21.6 TEMP. CALIB. 8.81
 OFF 22.4 8.68

DESSICATOR BEADS
 BLUE
 PINK

RAINFALL
 DATE IN

Dil H₂O
 Temp 20.0
 ON 8.3
 OFF 8.4

COMMENTS:
No Ref. @ Cl.

Outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>26.52</u>	1	SEED					
PH COMP <u>6.88</u>							
GRAB <u>6.81</u> <small>6ml</small>	8	325ml	8.1 8.1	6.4 6.7	1.5 1.4		4.6 4.3
FLOW <u>13.3</u>	9	275ml	8.1 8.1	7.1 7.2	1.0 1.9		3.6 3.3
TEMP:	10	250ml	8.1 8.1	7.4 7.9	2.7 1.2		2.8 4.8
COMP							
REF <u>0</u> GRAB <u>14.5</u> DUP GRAB	AVG. BOD <u>4.1</u>						
TIME PICKED UP <u>6:20</u> Adj Temp <u>20.0</u>	TEST NO <u>19</u>						
TIME ON <u>7:52</u> OFF <u>7:37</u> Adj pH <u>7.01</u>							

TOTAL SUSPENDED SOLIDS ML 100

PREV. MTD TOTAL # 9986

TOTAL # 9719 AVG. # 1080

MTD MTD

13.3 x 8.34 x 3 = 333
FLOW SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
13.3 x 8.34 x 4.1 = 455
BOD TODAY

PREV. MTD TOTAL # 9148

TOTAL # 9603 AVG. # 1067

MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP							
GRAB	8						
FLOW	9						
TEMP:	10						
COMP							
REF	AVG. BOD						
TIME PICKED UP	TEST						
TIME ON	NO						

FLOODED

TOTAL SUSPENDED SOLIDS ML _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD MTD

_____ x 8.34 x _____ = _____
FLOW SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD MTD

NPDES LOG SHEET E1-758-32

TODAY'S DATE 3-24-21 SAMPLE DATE 3-23-21 DATE ON 3-24-21 DATE OFF 3-29-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 105
 OFF 20.1 OFF Phillips 10.05 7.01 4.0
 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>60.77</u>	1	SEED	8.1	7.1	1.0		
PH COMP <u>7.54</u>							
GRAB <u>6.12</u> (1020)	5	6 ml	8.1	7.0	1.1	.7	35
FLOW <u>13.3</u> (1013)	6	4 ml	8.0	7.2	1.8	.4	31
TEMP: <u>6.040</u> (1010)	7	3 ml	8.1	7.3	1.8	.4	40
COMP							
REF <u>N/A</u>	GRAB <u>20.4</u>	Adj Temp <u>20.1</u>	AVG. BOD <u>35</u>				
TIME PICKED UP <u>6:14</u>	Adj pH <u>6.99</u>	TEST NO					
TIME ON <u>8:04</u>	OFF <u>8:44</u>						

D.O. METER CALIBRATION
P.40
 MET ON 22.4 TEMP. CALIB. 8.68
 OFF 20.9 8.93
 DESSICATOR BEADS
 BLUE
 PINK
 RAINFALL .02
 DATE IN
 Dll H2O
 Temp 20.0
 ON 8.1
 OFF 7.9
 COMMENTS:
No Ref @ E1.

Outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>27.88</u>	1	SEED					
PH COMP <u>6.84</u>							
GRAB <u>6.92</u> (1020)	8	425 ml	8.1	5.7	2.4		5.6
FLOW <u>11.2</u>	9	385 ml	8.1	5.5	2.6		6.8
TEMP:	10	350 ml	8.1	6.2	1.9		5.4
COMP							
REF <u>3</u>	GRAB <u>17.5</u>	DUP GRAB	AVG. BOD <u>5.9</u>				
TIME PICKED UP <u>6:24</u>	ph <u>6.91</u>	Adj Temp <u>20.2</u>	TEST NO <u>10</u>				
TIME ON <u>8:14</u>	OFF <u>8:47</u>	Adj pH <u>6.95</u>					

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 9719
 TOTAL # 10093 AVG. # 1007
 MTD MTD
 $11.2 \times 8.34 \times 4 = 374$
 FLOW x 8.34 x SS (PPM) = TOT. # SOLIDS
 $11.2 \times 8.34 \times 5.9 = 551$
 FLOW x 8.34 x BOD PPM = # BOD TODAY
 PREV. MTD TOTAL # 9603
 TOTAL # 10154 AVG. # 1015
 MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP							
GRAB	8						
FLOW	9						
TEMP:	10						
COMP							
REF	GRAB	Adj Temp	AVG. BOD				
TIME PICKED UP	Adj pH	TEST NO					
TIME ON	OFF						

TOTAL SUSPENDED SOLIDS ML
 PREV. MTD TOTAL #
 TOTAL # AVG. #
 MTD MTD
 $\times 8.34 \times =$
 FLOW x 8.34 x SS (PPM) = TOT. # SOLIDS
 $\times 8.34 \times =$
 FLOW x 8.34 x BOD PPM = # BOD TODAY
 PREV. MTD TOTAL #
 TOTAL # AVG. #
 MTD MTD

FLOODED

NPDES LOG SHEET E1-789-36

TODAY'S DATE 3-25-21 SAMPLE DATE 3-24-21 DATE ON 3-25-21 DATE OFF 3-30-21

INC. TEMP. ON 19.9 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 104
 OFF 20.0 OFF Phillips 10.04 7.01 4.0 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>53.61</u>	1	SEED	8.1	7.3	.8		
PH COMP <u>7.68</u>							
GRAB <u>5.87 (6.1)</u>	5	6ml	7.9	6.9	1.0	.46	23
FLOW <u>13.8</u>	6	4ml	8.0	7.1	.9	.36	28
TEMP: <u>F 10.67</u>	7	3ml	7.9	7.3	.6	.10	6
COMP							
REF <u>N/A</u> GRAB <u>21.6</u>							
TIME PICKED UP <u>6:10</u>							
TIME ON <u>8:12</u> OFF <u>8:09</u>							

D.O. METER CALIBRATION
P.54
 MET ON 23.8 TEMP. CALIB. 8.45
 OFF 21.2 8.88
 DESSICATOR BEADS
 BLUE _____
 PINK _____
 Dil H2O
 Temp 20.0
 ON 8.0
 OFF 7.9

COMMENTS:
No Ref. @ E1

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
Outfall 001 E-2							
TOC <u>28.41</u>	1	SEED					
PH COMP <u>7.00</u>							
GRAB <u>6.87 (6.2)</u>	8	425ml	7.9	4.8	3.1		7.3
FLOW <u>11.1</u>	9	385ml	7.8	5.2	2.6		6.8
TEMP:	10	350ml	7.9	5.5	2.4		6.9
COMP							
REF <u>3</u> GRAB <u>20.0</u>							
TIME PICKED UP <u>6:20</u>							
TIME ON <u>8:22</u> OFF <u>8:12</u>							

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 10092
 TOTAL # 10462 AVG. # 951
 MTD MTD
11.1 x 8.34 x 4 = 370
 FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
11.1 x 8.34 x 7.0 = 648
 # BOD TODAY
 PREV. MTD TOTAL # 10154
 TOTAL # 10802 AVG. # 982
 MTD MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-3							
TOC _____	1	SEED					
PH COMP _____							
GRAB _____	8						
FLOW _____	9						
TEMP:	10						
COMP							
REF _____ GRAB _____							
TIME PICKED UP _____							
TIME ON _____ OFF _____							

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOODED

NPDES LOG SHEET E1-755-36

TODAY'S DATE 3-26-21 SAMPLE DATE 3-25-21 DATE ON 3-26-21 DATE OFF 3-31-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 105
 OFF 20.0 OFF Phillips 10.05 7.0 4.0 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1	1	SEED	8.1	7.5	.6		
TOC <u>47.36</u>	5	6ml	8.0	7.2	.8	.56	28
PH COMP <u>7.60</u>	6	4ml	8.0	7.6	1.4	.16	12
GRAB <u>5.86</u> (li)	7	3ml	8.0	7.7	.3	.06	6
FLOW <u>15.2</u> (li)							
TEMP: <u>15.040</u>							
COMP							
REF <u>N/A</u>	GRAB <u>19.6</u>	Adj Temp <u>20.0</u>	AVG. BOD <u>20</u>				
TIME PICKED UP <u>6:15</u>	Adj pH <u>7.04</u>	TEST NO					
TIME ON <u>8:04</u>	OFF <u>8:34</u>						

D.O. METER CALIBRATION
 MET 9.24 TEMP. CALIB. 8.68
 ON 22.4 OFF 23.6 8.49
 DESSICATOR BEADS
 BLUE
 PINK
 Dil H₂O Temp 20.0
 ON 8.1
 OFF 8.0

COMMENTS:
No Ref. @ E1.
Change membrane - DO meter
3-26-21 / took off w/ new meter

Outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>28.23</u>	1	SEED					
PH COMP <u>7.10</u>	8	425ml	8.6	4.8	3.8		8.9
GRAB <u>6.87</u> (v)	9	385ml	8.6	5.5	3.1		9.2
FLOW <u>12.8</u>	10	350ml	8.5	6.1	2.4		9.4
TEMP:							
COMP							
REF <u>3</u>	GRAB <u>17.5</u>	DUP GRAB	AVG. BOD <u>8.4</u>				
TIME PICKED UP <u>6:25</u>	ph <u>6.88</u>	Adj Temp <u>20.2</u>	TEST NO <u>12</u>				
TIME ON <u>8:15</u>	OFF <u>8:37</u>	Adj pH <u>7.00</u>					

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 10462
 TOTAL # 11103 AVG. # 925
 MTD MTD
 $12.8 \times 8.34 \times 6 = 641$
 FLOW SS (PPM) TOT. # SOLIDS
 $12.8 \times 8.34 \times 8.4 = 897$
 FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # 10802
 TOTAL # 11699 AVG. # 975
 MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF	GRAB	Adj Temp	AVG. BOD				
TIME PICKED UP	Adj pH	TEST NO					
TIME ON	OFF						

TOTAL SUSPENDED SOLIDS ML
 PREV. MTD TOTAL #
 TOTAL # AVG. #
 MTD MTD
 $\text{FLOW} \times 8.34 \times \text{SS (PPM)} = \text{TOT. \# SOLIDS}$
 $\text{FLOW} \times 8.34 \times \text{BOD PPM} = \text{\# BOD TODAY}$
 PREV. MTD TOTAL #
 TOTAL # AVG. #
 MTD MTD

FLOODED

NPDES LOG SHEET E1-755-18

TODAY'S DATE 3-31-21 SAMPLE DATE 3-30-21 DATE ON 3-31-21 DATE OFF 4-5-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 105
 OFF 20.0 OFF Phillips 10.04 2.01 4.0 ACT. PH OF BUFFER 4.01

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>47.89</u>	1	SEED	<u>8.6</u>	<u>7.6</u>	<u>1.0</u>		
PH COMP	<u>7.92</u>	5	<u>6ml</u>	<u>8.5</u>	<u>7.3</u>	<u>1.2</u>	<u>1.53</u>	<u>27</u>
GRAB	<u>6.13</u>	6	<u>4ml</u>	<u>8.6</u>	<u>7.5</u>	<u>1.1</u>	<u>1.43</u>	<u>33</u>
FLOW	<u>13.3</u>	7	<u>3ml</u>	<u>8.6</u>	<u>7.6</u>	<u>1.0</u>	<u>1.33</u>	<u>33</u>

TEMP: F. 067
 COMP N/A GRAB 20.9 Adj Temp 20.1
 TIME PICKED UP 6:20 Adj pH 6.98
 TIME ON 9:11 OFF 8:07

D.O. METER CALIBRATION
 P, 67
 MET ON 23.6 TEMP. CALIB. 8.49
 OFF 22.3 8.69
 DESSICATOR BEADS
 BLUE
 PINK
 RAINFALL .37
 DATE IN
 Dil H₂O
 Temp 20.0
 ON 8.5
 OFF 7.9

COMMENTS:
No Ref. @ E1.
Changed membrane on DO meter
3-31-21, Used New meter

Outfall 001
E-2

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>30.10</u>	1	SEED					
PH COMP	<u>7.16</u>	8	<u>400ml</u>	<u>8.6</u>	<u>4.0</u>	<u>4.6</u>		<u>11.5</u>
GRAB	<u>7.01</u>	9	<u>375ml</u>	<u>8.5</u>	<u>2.5</u>	<u>6.0</u>		<u>16.0</u>
FLOW	<u>15.9</u>	10	<u>350ml</u>	<u>8.5</u>	<u>5.9</u>	<u>2.6</u>		<u>7.4</u>

TEMP: 4
 COMP 4 GRAB 19.4 DUP GRAB
 TIME PICKED UP 6:30 ph 7.02 AVG. BOD 10.0
 TIME ON 9:25 OFF 8:11 Adj Temp 20.4 TEST NO 13
 Adj pH 6.97

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 11103
 TOTAL # 11899 AVG. # 915
 MTD MTD
 $15.9 \times 8.34 \times 6 = 796$
 FLOW SS(PPM) TOT. # SOLIDS
 $15.9 \times 8.34 \times 10.0 = 1326$
 FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # 11699
 TOTAL # 13025 AVG. # 1002
 MTD MTD

E-3

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC		1	SEED					
PH COMP		8						
GRAB		9						
FLOW		10						

TEMP: _____
 COMP _____
 REF _____ GRAB _____
 TIME PICKED UP _____ Adj Temp _____
 TIME ON _____ OFF _____ Adj pH _____

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 $\text{FLOW} \times 8.34 \times \text{SS(PPM)} = \text{TOT. \# SOLIDS}$
 $\text{FLOW} \times 8.34 \times \text{BOD PPM} = \text{\# BOD TODAY}$
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOODED

NPDES LOG SHEET E1-753-10

TODAY'S DATE 4-1-21 SAMPLE DATE 3-31-21 DATE ON 4-1-21 DATE OFF 4-6-21

INC. TEMP. ON 20.1 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 104
 OFF 20.0 OFF Phillips 10.05 7.01 40 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC	1	SEED	8.2	7.2	1.0		
PH COMP	5	6ml	8.1	7.4	.7	.3	15
GRAB	6	4ml	8.1	7.6	.5	.1	8
FLOW	7	3ml	8.1	7.7	.4	0	
TEMP: <u>15.040</u>							
COMP							
REF <u>N/A</u>	GRAB	<u>17.1</u>	Adj Temp	<u>20.1</u>	AVG. BOD	<u>12</u>	TEST NO
TIME PICKED UP <u>6:16</u>			Adj pH	<u>6.97</u>			
TIME ON <u>8:13</u>							
OFF <u>8:19</u>							

D.O. METER CALIBRATION
P.40
 MET ON TEMP. 22.3 CALIB. 8.69
 OFF 23.2 8.55
 DESSICATOR BEADS
 BLUE
 PINK _____
 DII H₂O Temp 20.0
 ON 8.3
 OFF 8.2
 RAINFALL .57
 DATE _____ IN _____
 COMMENTS:
No Ref. @ E1

Outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	8	400ml	8.2	4.0	4.2		10.5
GRAB	9	375ml	8.2	4.4	3.8		10.1
FLOW	10	350ml	8.1	5.2	2.9		8.3
TEMP:							
COMP							
REF <u>0</u>	GRAB	<u>13.0</u>	DUP GRAB		AVG. BOD	<u>9.6</u>	TEST NO
TIME PICKED UP <u>6:26</u>			ph	<u>6.93</u>			
TIME ON <u>8:24</u>			Adj Temp	<u>20.1</u>			
OFF <u>8:22</u>			Adj pH	<u>7.04</u>			

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 11898
 TOTAL # 12839 AVG. # 917
 MTD MTD
 $18.8 \times 8.34 \times 6 = 941$
 FLOW SS (PPM) TOT. # SOLIDS
 $18.8 \times 8.34 \times 9.6 = 1505$
 FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # 13025
 TOTAL # 14530 AVG. # 1038
 MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF _____	GRAB _____		AVG. BOD		TEST NO		
TIME PICKED UP _____			Adj Temp				
TIME ON _____			Adj pH				
OFF _____							

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 $\text{FLOW} \times 8.34 \times \text{SS (PPM)} = \text{TOT. \# SOLIDS}$
 $\text{FLOW} \times 8.34 \times \text{BOD PPM} = \text{\# BOD TODAY}$
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET E1-753-1.8

TODAY'S DATE 4-2-21 SAMPLE DATE 4-1-21 DATE ON 4-2-21 DATE OFF 4-7-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 104
 OFF 20.0 OFF Phillips 10.06 7.01 4.0 ACT. PH OF BUFFER 4.00

E-1	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
	TOC <u>46.49</u>	1	SEED	8.1	7.5	1.6	
PH COMP <u>8.82</u>	5	6ml	8.1	7.1	1.0	.76	38
GRAB <u>5.58</u>	6	4ml	8.1	7.8	.3	.06	5
FLOW <u>10.6</u>	7	3ml	8.1	7.8	.3	.06	6
TEMP: <u>8.040</u>	REF <u>N/A</u> GRAB <u>16.9</u> Adj Temp <u>20.1</u>						
COMP	TIME PICKED UP <u>6:15</u> Adj pH <u>6.97</u>						
AVG. BOD <u>38</u>	TIME ON <u>8:22</u> OFF <u>8:04</u>						
TEST NO							

D.O. METER CALIBRATION
P 124
 MET ON 20.8 TEMP. CALIB. 8.95
 OFF 24.8 8.29
 DESSICATOR BEADS
 BLUE _____
 PINK _____
 RAINFALL DATE IN _____
 Dil H₂O Temp 20.0
 ON 8.2
 OFF 8.3
 COMMENTS:
No Ref @ E1

Outfall 001
E-2

E-2	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
	TOC <u>29.67</u>	1	SEED				
PH COMP <u>7.04</u>	8	400ml	8.1	4.2	3.9		9.8
GRAB <u>6.92</u>	9	375ml	8.1	4.8	3.3		11.3
FLOW <u>15.7</u>	10	350ml	8.0	5.1	2.9		8.8
TEMP:	REF <u>0</u> GRAB <u>12.3</u> DUP GRAB						
COMP	ph <u>6.93</u> AVG. BOD <u>9.0</u>						
AVG. BOD <u>9.0</u>	TIME PICKED UP <u>6:25</u> Adj Temp <u>19.5</u>						
TEST NO <u>1</u>	TIME ON <u>8:32</u> OFF _____ Adj pH <u>7.04</u>						

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # _____
 TOTAL # 786 AVG. # 7.0
 MTD MTD
 $15.7 \times 8.34 \times 6 = 786$
 FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 $15.7 \times 8.34 \times 9.0 = 1178$
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # 1178 AVG. # 1178
 MTD MTD

E-3

E-3	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
	TOC _____	1	SEED				
PH COMP _____	8						
GRAB _____	9						
FLOW _____	10						
TEMP:	REF _____ GRAB _____						
COMP	TIME PICKED UP _____ Adj Temp _____						
AVG. BOD _____	TIME ON _____ OFF _____ Adj pH _____						
TEST NO _____							

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 $_____ \times 8.34 \times _____ = _____$
 FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 $_____ \times 8.34 \times _____ = _____$
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOODED

NPDES LOG SHEET E1-TSS-14

TODAY'S DATE 4-7-21 SAMPLE DATE 4-6-21 DATE ON 4-7-21 DATE OFF 4-13-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 104
 OFF 20.1 OFF Phillips 10.03 7.00 4.0
 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>48.24</u>	1	SEED	7.9	7.1	.8		
PH COMP <u>7.90</u>							
GRAB <u>5.88</u> (15)	5	6ml	7.8	6.9	.9	.58	29
FLOW <u>10.5</u>	6	4ml	7.8	7.2	.6	.28	22
TEMP: <u>F, 040</u>	7	3ml	7.8	7.4	.4	.08	8
REF <u>N/A</u> GRAB <u>22.7</u> Adj Temp <u>19.7</u>	AVG. BOD <u>26</u>						
TIME PICKED UP <u>6:14</u> Adj pH <u>7.05</u>	TEST NO						
TIME ON <u>8:34</u> OFF <u>8:02</u>							

D.O. METER CALIBRATION
P. 32
 MET ON TEMP. 24.8 CALIB. 8.29
 OFF TEMP. 22.7 CALIB. 8.63

DESSICATOR BEADS
 BLUE
 PINK

Dil H₂O Temp 20.0
 ON 7.9
 OFF 7.9

RAINFALL DATE IN

COMMENTS:
No Ref @ E1.

Outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>30.22</u>	1	SEED					
PH COMP <u>7.12</u>							
GRAB <u>7.57</u> (15)	8	375ml	7.8	4.0	3.8		10.1
FLOW <u>10.7</u>	9	350ml	7.9	3.9	4.0		11.4
TEMP:	10	300ml	7.9	5.1	2.8		9.3
COMP	AVG. BOD <u>10.3</u>						
REF <u>4</u> GRAB <u>20.5</u> DUP GRAB ph <u>7.60</u>	TEST NO <u>2</u>						
TIME PICKED UP <u>6:24</u> Adj Temp <u>20.5</u>							
TIME ON <u>8:44</u> OFF <u>8:05</u> Adj pH <u>6.96</u>							

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 786
 TOTAL # 2714 AVG. # 1107
 MTD MTD
 $10.7 \times 8.34 \times 160 = 1428$
 FLOW SS (PPM) TOT. # SOLIDS
 $10.7 \times 8.34 \times 10.3 = 919$
 FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # 1178
 TOTAL # 2097 AVG. # 1048
 MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP							
GRAB	8						
FLOW	9						
TEMP:	10						
COMP	AVG. BOD						
REF	TEST NO						
TIME PICKED UP	Adj Temp						
TIME ON	Adj pH						

TOTAL SUSPENDED SOLIDS ML
 PREV. MTD TOTAL #
 TOTAL # AVG. #
 MTD MTD
 FLOW x 8.34 x SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL #
 TOTAL # AVG. #
 MTD MTD

FLOODED

NPDES LOG SHEET E1-TSS-22

TODAY'S DATE 4-8-21 SAMPLE DATE 4-7-21 DATE ON 4-8-21 DATE OFF 4-13-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 184
 OFF 20.1 OFF Phillips 10.05 7.01 4.0
 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>46.93</u>	1	SEED	8.0	7.1	.9	—	—
PH COMP <u>7.64</u>	5	6ml	7.9	7.2	.7	.34	17
GRAB <u>6.57</u>	6	4ml	7.9	7.4	.5	.14	11
FLOW <u>15.0</u>	7	3ml	7.9	7.5	.4	.04	4
TEMP: <u>F 10.40</u>							
COMP							
REF <u>N/A</u>	GRAB <u>21.1</u>	Adj Temp <u>20.4</u>	AVG. BOD <u>14</u>				
TIME PICKED UP <u>6:26</u>	Adj pH <u>6.99</u>	TEST NO					
TIME ON <u>8:05</u>	OFF <u>8:29</u>						

D.O. METER CALIBRATION
7.36
 MET ON 22.8 TEMP. CALIB. 8.61
 OFF 23.6 8.48
 DESSICATOR BEADS
 BLUE
 PINK
 RAINFALL 6.65
 DATE IN
 Dil H2O
 Temp 20.0
 ON 8.0
 OFF 8.0
 COMMENTS:
No Ref @ E1.

Outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>30.70</u>	1	SEED					
PH COMP <u>7.10</u>	8	375ml	7.9	3.5	4.4		11.7
GRAB <u>7.37</u>	9	350ml	7.9	3.5	4.4		12.6
FLOW <u>12.2</u>	10	300ml	7.9	4.9	3.0		10.0
TEMP:							
COMP							
REF <u>3</u>	GRAB <u>18.5</u>	DUP GRAB	AVG. BOD <u>11.4</u>				
TIME PICKED UP <u>6:26</u>	ph <u>7.46</u>	Adj Temp <u>19.8</u>	TEST NO <u>3</u>				
TIME ON <u>8:14</u>	OFF <u>8:33</u>	Adj pH <u>7.05</u>					

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 2214
 TOTAL # 3638 AVG. # 1213
 MTD MTD
 $12.2 \times 8.34 \times 14 = 1474$
 FLOW SS (PPM) TOT. # SOLIDS
 $12.2 \times 8.34 \times 11.4 = 1160$
 FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # 2097
 TOTAL # 3257 AVG. # 1085
 MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF	GRAB	Adj Temp	AVG. BOD				
TIME PICKED UP	Adj pH	TEST NO					
TIME ON	OFF						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOODED

NPDES LOG SHEET 21-735-18

TODAY'S DATE 4-9-21 SAMPLE DATE 4-8-21 DATE ON 4-9-21 DATE OFF 4-14-21

INC. TEMP. ON 20.1 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 105
 OFF 20.0 OFF Phillips 10.04 7.01 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>45.20</u>	1	SEED	8.1	7.5	1.6		
PH COMP <u>8.25</u>							
GRAB <u>6.80</u> (6)	5	6ml	8.0	6.7	1.3	.9	45
FLOW <u>11.3</u>	6	4ml	8.0	7.3	.7	.3	23
TEMP: <u>F: 067</u>	7	3ml	8.0	7.4	.6	.2	20
COMP							
REF <u>N/A</u> GRAB <u>21.4</u> Adj Temp <u>19.9</u>	AVG. BOD <u>29</u>						
TIME PICKED UP <u>6:12</u> Adj pH <u>6.97</u>	TEST NO						
TIME ON <u>8:12</u> OFF <u>8:06</u>							

D.O. METER CALIBRATION
P.40
 MET ON TEMP. 23.7 CALIB. 8.47
 OFF 23.6 8.48
 DESSICATOR BEADS BLUE PINK _____
 RAINFALL DATE _____ IN _____
 DII H2O Temp 20.0
 ON 9.4
 OFF 9.9
 COMMENTS: No Ref. @ E1.

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
Outfall 001 E-2							
TOC <u>29.27</u>	1	SEED					
PH COMP <u>7.15</u>							
GRAB <u>7.03</u> (23)	8	325ml	8.0	2.6	5.4		14.4
FLOW <u>12.9</u>	9	350ml	8.0	1.8	6.2		16.5
TEMP:							
COMP							
REF <u>3</u> GRAB <u>18.1</u> DUP GRAB	AVG. BOD <u>14.3</u>						
TIME PICKED UP <u>6:22</u> ph <u>7.04</u>	TEST NO <u>4</u>						
TIME ON <u>8:27</u> OFF <u>8:09</u> Adj Temp <u>19.9</u> Adj pH <u>7.00</u>							

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 31038
 TOTAL # 4929 AVG. # 1292
 MTD MTD
 $12.9 \times 8.34 \times 12 = 1291$
 FLOW SS(PPM) TOT. # SOLIDS
 $12.9 \times 8.34 \times 14.3 = 1538$
 FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # 3257
 TOTAL # 4795 AVG. # 1199
 MTD MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-3							
TOC _____	1	SEED					
PH COMP _____							
GRAB _____	8						
FLOW _____	9						
TEMP: _____							
COMP _____	10						
REF _____ GRAB _____	AVG. BOD _____						
TIME PICKED UP _____ Adj Temp _____	TEST _____						
TIME ON _____ OFF _____ Adj pH _____	NO _____						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOODED

NPDES LOG SHEET E1-755-20

TODAY'S DATE 4-14-21 SAMPLE DATE 4-13-21 DATE ON 4-14-21 DATE OFF 4-19-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 105
 OFF 20.0 OFF Phillips 1007 2.01 4.0 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>46.66</u>	1	SEED	8.0	7.1	1.9		
PH COMP <u>7.67</u>	5	6 ml	7.9	7.2	1.7	1.34	17
GRAB <u>5.94 (6.17)</u>	6	4 ml	7.9	7.4	1.5	1.14	11.1
FLOW <u>12.4</u>	7	3 ml	7.9	7.5	1.4	1.04	4
TEMP: <u>F, 040</u>							
COMP <u>N/A</u>							
REF <u>N/A</u>	GRAB <u>22.1</u>	Adj Temp <u>19.6</u>	AVG. BOD <u>14</u>		TEST NO		
TIME PICKED UP <u>6:46</u>	Adj pH <u>7.00</u>						
TIME ON <u>8:45</u>	OFF <u>8:53</u>						

D.O. METER CALIBRATION

P.36

MET ON 23.6 TEMP. CALIB. 8.48
 OFF 21.5 8.83

DESSICATOR BEADS
 BLUE
 PINK

RAINFALL
 DATE IN

Dil H₂O Temp 20.0
 ON 8.1
 OFF

COMMENTS:
No Ref @ E1.

outfall 001

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-2							
TOC <u>36.00</u>	1	SEED					
PH COMP <u>7.22</u>	8	325 ml	8.1	4.2	3.9		12.0
GRAB <u>7.42 (6.17)</u>	9	275 ml	8.1	4.4	3.7		13.5
FLOW <u>13.8</u>	10	250 ml	8.0	5.6	2.4		9.6
TEMP:							
COMP							
REF <u>3</u>	GRAB <u>21.1</u>	DUP GRAB	AVG. BOD <u>11.7</u>		TEST NO <u>5</u>		
TIME PICKED UP <u>6:26</u>	ph <u>7.44</u>						
TIME ON <u>8:53</u>	Adj Temp <u>20.3</u>						
	Adj pH <u>6.96</u>						

TOTAL SUSPENDED SOLIDS ML 100

PREV. MTD TOTAL # 4929

TOTAL # 6310 AVG. # 12160

MTD

MTD

FLOW 13.8 x 8.34 x 12 = 1381
SS (PPM) TOT. # SOLIDS

FLOW 13.8 x 8.34 x 11.7 = 1347
BOD TODAY

PREV. MTD TOTAL # 4795

TOTAL # 6147 AVG. # 1229

MTD

MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-3							
TOC	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF	GRAB	AVG. BOD		TEST NO			
TIME PICKED UP	Adj Temp						
TIME ON	Adj pH						

TOTAL SUSPENDED SOLIDS ML

PREV. MTD TOTAL #

TOTAL # AVG. #

MTD

MTD

FLOW x 8.34 x =
SS (PPM) TOT. # SOLIDS

FLOW BOD PPM
 x 8.34 x =
BOD TODAY

PREV. MTD TOTAL #

TOTAL # AVG. #

MTD

MTD

FLOODED

NPDES LOG SHEET E1-755-14

TODAY'S DATE 4-15-21 SAMPLE DATE 4-14-21 DATE ON 4-15-21 DATE OFF 4-20-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 104
 OFF 20.0 OFF Phillips 1004 7.0 4.0 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>38.64</u>	1	SEED	8.2	7.3	.9		
PH COMP <u>7.93</u>	5	6ml	8.1	7.5	1.6	.24	12
GRAB <u>5.86</u>	6	4ml	8.1	7.7	.4	.04	3
FLOW <u>14.2</u>	7	3ml	8.1	7.8	.3		
TEMP: <u>F.040</u>							
COMP <u>N/A</u>							
REF <u>N/A</u> GRAB			Adj Temp <u>20.4</u>			AVG. BOD <u>12</u>	
TIME PICKED UP <u>6:12</u>			Adj pH <u>7.06</u>			TEST NO	
TIME ON <u>8:29</u> OFF <u>8:49</u>							

D.O. METER CALIBRATION
P 36
 MET ON TEMP. 23.0 CALIB. 8.58
 OFF 22.6 8.64
 DESSICATOR BEADS
 BLUE
 PINK
 RAINFALL .38
 DATE IN
 Dil H₂O Temp 20.0
 ON 8.2
 OFF 8.2
 COMMENTS:
No Ref @ E1.

outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>30.49</u>	1	SEED					
PH COMP <u>7.11</u>	8	325ml	8.2	4.0	4.2		12.9
GRAB <u>7.12</u>	9	275ml	8.2	4.9	3.3		12.0
FLOW <u>14.1</u>	10	250ml	8.2	5.9	2.3		9.2
TEMP:							
COMP							
REF <u>3</u> GRAB <u>17.8</u>			DUP GRAB ph <u>7.14</u>			AVG. BOD <u>11.4</u>	
TIME PICKED UP <u>6:22</u>			Adj Temp <u>20.5</u>			TEST NO <u>6</u>	
TIME ON <u>8:40</u> OFF <u>8:53</u>			Adj pH <u>7.00</u>				

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 6310
 TOTAL # 7291 AVG. # 1208
 MTD MTD
 $14.1 \times 8.34 \times 8 = 941$
 FLOW x SS(PPM) TOT. # SOLIDS
 $14.1 \times 8.34 \times 11.4 = 1344$
 FLOW x BOD PPM # BOD TODAY
 PREV. MTD TOTAL # 6142
 TOTAL # 7483 AVG. # 1247
 MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF GRAB			Adj Temp			AVG. BOD	
TIME PICKED UP			Adj pH			TEST NO	
TIME ON OFF							

TOTAL SUSPENDED SOLIDS ML
 PREV. MTD TOTAL #
 TOTAL # AVG. #
 MTD MTD
 $\times 8.34 \times =$
 FLOW x SS(PPM) TOT. # SOLIDS
 $\times 8.34 \times =$
 FLOW x BOD PPM # BOD TODAY
 PREV. MTD TOTAL #
 TOTAL # AVG. #
 MTD MTD

NPDES LOG SHEET

E1-755-16

TODAY'S DATE 4-16-21 SAMPLE DATE 4-15-21 DATE ON 4-16-21 DATE OFF 4-21-21

INC. TEMP. ON 20.0 TESTER ON Lewis PH METER BUFFED TSS OVEN TEMP. 102°

OFF 20.0 OFF Phillips 10.04 7.00 ACT. PH OF BUFFER 4.0 4.01

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>42.86</u>	1	SEED	8.2	7.5	.7	---	---
PH COMP	<u>7.86</u>	5	<u>6ml</u>	8.1	6.7	1.4	.93	.47
GRAB	<u>7.32 (6.58)</u>	6	<u>4ml</u>	8.1	7.5	.6	.13	.10
FLOW	<u>14.2</u>	7	<u>3ml</u>	8.1	7.4	.7	.23	.23
TEMP: F	<u>106.7</u>							
COMP								
REF	<u>N/A</u>	GRAB	<u>20.8</u>	Adj Temp	<u>19.6</u>	AVG. BOD <u>27</u>		
TIME PICKED UP	<u>6:57 am</u>	Adj pH	<u>6.98</u>	TEST NO				
TIME ON	<u>10:02</u>	OFF	<u>8:18</u>					

D.O. METER CALIBRATION

P-47

MET	ON	TEMP. <u>22.8</u>	CALIB. <u>8.61</u>
	OFF	<u>21.5</u>	<u>8.83</u>

DESSICATOR BEADS

BLUE

PINK

RAINFALL .03

Dil H2O	Temp	ON	OFF
	<u>20.0</u>	<u>8.3</u>	<u>8.0</u>

DATE IN

COMMENTS: No Ref. @ E1

outfall 001

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>29.63</u>	1	SEED					
PH COMP	<u>7.00</u>	8	<u>325ml</u>	8.2	2.9	5.3		16.3
GRAB	<u>7.03 (6.04)</u>			8.2	2.4	5.8		17.8
FLOW	<u>14.3</u>	9	<u>275ml</u>	8.2	4.7	3.5		12.7
TEMP:				8.2	4.9	3.3		12.0
COMP		10	<u>252ml</u>	8.1	5.3	2.8		11.2
REF	<u>2°</u>	GRAB	<u>17.9</u>	DUP GRAB	<u>7.03</u>	AVG. BOD <u>14.3</u>		
TIME PICKED UP	<u>7:08 am</u>	Adj Temp	<u>20.3</u>	TEST NO <u>7</u>				
TIME ON	<u>10:39</u>	OFF	<u>8:22</u>	Adj pH <u>7.01</u>				

TOTAL SUSPENDED SOLIDS ML 100

PREV. MTD TOTAL # 7251

TOTAL # 8682 AVG. # 1240

MTD

MTD

14.3 x 8.34 x 12 = 1431

FLOW x 8.34 x SS (PPM) = TOT. # SOLIDS

FLOW BOD PPM

14.3 x 8.34 x 14.3 = 1705

BOD TODAY

PREV. MTD TOTAL # 7483

TOTAL # 9188 AVG. # 1313

MTD

MTD

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC		1	SEED					
PH COMP		8						
GRAB		9						
FLOW		10						
TEMP:								
COMP								
REF		GRAB		Adj Temp		AVG. BOD		
TIME PICKED UP		Adj pH		TEST NO				
TIME ON		OFF						

TOTAL SUSPENDED SOLIDS ML

PREV. MTD TOTAL #

TOTAL # AVG. #

MTD

MTD

x 8.34 x =

FLOW x 8.34 x SS (PPM) = TOT. # SOLIDS

FLOW BOD PPM

x 8.34 x =

BOD TODAY

PREV. MTD TOTAL #

TOTAL # AVG. #

MTD

MTD

NPDES LOG SHEET E1-755-22

TODAY'S DATE 4-21-21 SAMPLE DATE 4-20-21 DATE ON 4-21-21 DATE OFF 4-26-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 104
 OFF 20.1 OFF Phillips 10.05 7.01 4.0 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>25.88</u>	1	SEED	8.1	7.5	.6		
PH COMP <u>6.72</u>							
GRAB <u>6.03 (6.23)</u>	5	6ml	8.1	7.6	.5	126	13
FLOW <u>13.9</u>	6	4ml	8.1	7.8	.3	106	5
TEMP: <u>F.040</u>	7	3ml	8.1	7.9	.2	104	
COMP							
REF <u>N/A</u> GRAB <u>20.3</u> Adj Temp <u>20.5</u>	AVG. BOD <u>9</u>						
TIME PICKED UP <u>6:22</u> Adj pH <u>6.95</u>	TEST NO						
TIME ON <u>9:01</u> OFF <u>9:29</u>							

D.O. METER CALIBRATION
P.24
 MET ON TEMP. 21.5 CALIB. 8.83
 OFF 24.4 8.36

DESSICATOR BEADS
 BLUE
 PINK

RAINFALL
 DATE IN

Dil H₂O
 Temp 20.0
 ON 8.1
 OFF 8.1

COMMENTS:
No Ref. @ E1.

outfall 001
E-2

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>31.68</u>	1	SEED					
PH COMP <u>7.03</u>							
GRAB <u>7.15 (6.13)</u>	8	275 ml	8.0	6.3	1.7		6.2
FLOW <u>12.1</u>	9	250 ml	8.1	6.5	1.6		6.4
TEMP:	10	225 ml	8.0	6.8	1.2		5.3
COMP							
REF <u>1</u> GRAB <u>16.9</u> DUP GRAB	AVG. BOD <u>6.0</u>						
TIME PICKED UP <u>6:32</u> ph <u>7.26</u>	TEST NO <u>8</u>						
TIME ON <u>9:18</u> OFF <u>9:32</u> Adj Temp <u>20.0</u>							
	Adj pH <u>7.03</u>						

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 8682
 TOTAL # 9691 AVG. # 12.11
 MTD MTD
 $12.1 \times 8.34 \times 10 = 1009$
 FLOW x 8.34 x SS (PPM) = TOT. # SOLIDS

FLOW BOD PPM
 $12.1 \times 8.34 \times 6 = 605$
 # BOD TODAY

PREV. MTD TOTAL # 9188
 TOTAL # 9793 AVG. # 12.24
 MTD MTD

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP							
GRAB	8						
FLOW	9						
TEMP:	10						
COMP							
REF	AVG. BOD						
TIME PICKED UP	TEST NO						
TIME ON							

FLOODED

TOTAL SUSPENDED SOLIDS ML
 PREV. MTD TOTAL #
 TOTAL # AVG. #
 MTD MTD
 $\times 8.34 \times =$
 FLOW x 8.34 x SS (PPM) = TOT. # SOLIDS

FLOW BOD PPM
 $\times 8.34 \times =$
 # BOD TODAY

PREV. MTD TOTAL #
 TOTAL # AVG. #
 MTD MTD

NPDES LOG SHEET E1-755-14

TODAY'S DATE 4-22-21 SAMPLE DATE 4-21-21 DATE ON 4-22-21 DATE OFF 4-27-21

INC. TEMP. ON 19.9 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 104
 OFF 20.0 OFF Phillips 10.06 7.01 ACT. PH OF BUFFER 4.00

E-1	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>27.98</u>	1	SEED	8.4	7.7	.7	---	---
PH COMP <u>7.16</u>	5	6ml	8.4	7.8	.6	.32	16
GRAB <u>7.08</u> (6 ml)	6	4ml	8.4	8.0	.4	.12	9
FLOW <u>13.4</u>	7	3ml	8.4	8.0	.4	.12	12
TEMP: <u>F.040</u>							
COMP							
REF <u>N/A</u>	GRAB <u>18.5</u>	Adj Temp <u>19.9</u>		AVG. BOD <u>12</u>			
TIME PICKED UP <u>6:12</u>			Adj pH <u>6.97</u>		TEST NO		
TIME ON <u>8:46</u>	OFF <u>9:08</u>						

D.O. METER CALIBRATION
P 128
 MET ON 21.7 TEMP. CALIB. 8.79
 OFF 24.3 8.37
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL DATE IN _____
 Dil H2O Temp 20.0
 ON 8.4
 OFF 8.3
 COMMENTS: No Ref. @ E1.

outfall 001
E-2

BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD	
1	SEED						
8	275ml	8.4	6.2	2.2		8.0	
9	250ml	8.4	6.2	2.2		8.8	
10	225ml	8.4	6.8	1.6		7.1	
REF <u>0</u>	GRAB <u>14.0</u>	DUP GRAB ph <u>7.25</u>		AVG. BOD <u>8.0</u>			
TIME PICKED UP <u>6:22</u>			Adj Temp <u>20.5</u>		TEST NO <u>9</u>		
TIME ON <u>9:12</u>	OFF <u>9:15</u>	Adj pH <u>7.02</u>					

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 9691
 TOTAL # 10709 AVG. # 1190
 MTD MTD
 $11.1 \times 8.34 \times 11 = 1018$
 FLOW SS (PPM) TOT. # SOLIDS
 $11.1 \times 8.34 \times 8.0 = 741$
 FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # 9793
 TOTAL # 10534 AVG. # 1171
 MTD MTD

E-3

BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD	
1	SEED						
8							
9							
10							
REF _____	GRAB _____	Adj Temp _____		AVG. BOD _____			
TIME PICKED UP _____			Adj pH _____		TEST NO _____		
TIME ON _____	OFF _____						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 $_____ \times 8.34 \times _____ = _____$
 FLOW SS (PPM) TOT. # SOLIDS
 $_____ \times 8.34 \times _____ = _____$
 FLOW BOD PPM # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOADED

NPDES LOG SHEET E1-755-14

TODAY'S DATE 4-23-21 SAMPLE DATE 4-22-21 DATE ON 4-23-21 DATE OFF 4-28-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 104
 OFF 20.0 OFF Phillips 10.05 7.01 ACT. PH OF BUFFER 4.01

E-1		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>31.59</u>	1	SEED	<u>8.2</u>	<u>7.5</u>	<u>.7</u>		
PH COMP	<u>7.13</u>	5	<u>6 ml</u>	<u>8.2</u>	<u>7.4</u>	<u>.8</u>	<u>.52</u>	<u>26</u>
GRAB	<u>6.12</u>	6	<u>4 ml</u>	<u>8.2</u>	<u>7.8</u>	<u>.4</u>	<u>.12</u>	<u>9</u>
FLOW	<u>12.2</u>	7	<u>3 ml</u>	<u>8.2</u>	<u>7.8</u>	<u>.4</u>	<u>.12</u>	<u>12</u>
TEMP: F	<u>10.40</u>							
COMP								
REF	<u>N/A</u>	GRAB	<u>20.9</u>	Adj Temp	<u>20.1</u>	AVG. BOD <u>16</u>		
TIME PICKED UP	<u>6:12</u>	Adj pH	<u>7.02</u>	TEST NO				
TIME ON	<u>8:11</u>	OFF	<u>7:55</u>					

D.O. METER CALIBRATION
P.28
 MET ON 22.5 TEMP. CALIB. 8.66
 OFF 25.2 8.23
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL DATE IN
 DII H₂O Temp 20.0
 ON 8.3
 OFF 8.2
 COMMENTS:
No Ref. @ E1.

Outfall 001
E-2

E-2		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	<u>30.89</u>	1	SEED					
PH COMP	<u>7.18</u>	8	<u>275 ml</u>	<u>8.2</u>	<u>3.6</u>	<u>4.6</u>		<u>16.7</u>
GRAB	<u>6.16</u>	9	<u>250 ml</u>	<u>8.2</u>	<u>3.4</u>	<u>4.8</u>		<u>17.5</u>
FLOW	<u>10.9</u>	10	<u>225 ml</u>	<u>8.2</u>	<u>5.4</u>	<u>2.8</u>		<u>11.2</u>
TEMP:				<u>8.2</u>	<u>6.0</u>	<u>2.2</u>		<u>9.8</u>
COMP				<u>8.2</u>	<u>4.8</u>	<u>3.4</u>		<u>15.1</u>
REF	<u>0</u>	GRAB	<u>17.7</u>	DUP GRAB	ph <u>6.69</u>	AVG. BOD <u>13.4</u>		
TIME PICKED UP	<u>6:22</u>	Adj Temp	<u>19.9</u>	TEST NO <u>10</u>				
TIME ON	<u>8:21</u>	OFF	<u>8:00</u>	Adj pH <u>6.95</u>				

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 10709
 TOTAL # 11981 AVG. # 1199
 MTD MTD
10.9 x 8.34 x 14 = 1273
 FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
10.9 x 8.34 x 13.4 = 1218
 # BOD TODAY
 PREV. MTD TOTAL # 10534
 TOTAL # 11752 AVG. # 1175
 MTD MTD

E-3

E-3		BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC		1	SEED					
PH COMP		8						
GRAB		9						
FLOW		10						
TEMP:								
COMP								
REF		GRAB		Adj. Temp		AVG. BOD		
TIME PICKED UP		Adj pH		TEST NO				
TIME ON		OFF						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOODED

NPDES LOG SHEET E1-TSS-20

TODAY'S DATE 4-28-21 SAMPLE DATE 4-27-21 DATE ON 4-28-21 DATE OFF 5-3-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 104
 OFF 20.0 OFF Phillips 10.03 7.00 4.0
 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>46.25</u>	1	SEED	7.9	7.3	.6		
PH COMP <u>8.07</u>	5	6 ml	7.8	7.3	.5	.26	13
GRAB <u>6.80</u> (<u>6.19</u>)	6	4 ml	7.8	7.6	.2	.04	-3
FLOW <u>12.4</u>	7	3 ml	7.8	7.6	.2	.04	-4
TEMP: <u>F 10.40</u>							
COMP <u>N/A</u>							
REF <u>N/A</u>	GRAB <u>25.5</u>	Adj Temp <u>20.0</u>	AVG. BOD <u>13</u>				
TIME PICKED UP <u>6:16</u>	Adj pH <u>7.00</u>	TEST NO					
TIME ON <u>8:25</u>	OFF <u>8:30</u>						

D.O. METER CALIBRATION

P 124

MET ON 25.2 CALIB. 8.23
 OFF 24.0 8.42

DESSICATOR BEADS
 BLUE
 PINK _____

RAINFALL
 DATE _____ IN _____

Dil H₂O Temp 20.0
 ON 8.0
 OFF 8.0

COMMENTS:
No Ref. @ E1.

outfall 001

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-2							
TOC <u>29.64</u>	1	SEED					
PH COMP <u>7.18</u>	8	275 ml	7.9	5.4	2.5		9.1
GRAB <u>7.19</u> (<u>6.22</u>)	9	250 ml	7.9	5.3	2.6		10.4
FLOW <u>13.2</u>	10	225 ml	7.9	6.0	1.9		8.4
TEMP:							
COMP							
REF <u>3</u>	GRAB <u>23.3</u>	DUP GRAB	AVG. BOD <u>9.3</u>				
TIME PICKED UP <u>6:26</u>	ph <u>7.27</u>	TEST NO <u>11</u>					
TIME ON <u>8:36</u>	OFF <u>8:34</u>	Adj Temp <u>19.7</u>	Adj pH <u>6.95</u>				

TOTAL SUSPENDED SOLIDS ML 100

PREV. MTD TOTAL # 11951

TOTAL # 13963 AVG. # 1269

MTD 13.2 x 8.34 x 18 = 1982
SS (PPM) TOT. # SOLIDS

FLOW 13.2 x 8.34 x 9.3 = 1024
BOD PPM # BOD TODAY

PREV. MTD TOTAL # 11752

TOTAL # 12776 AVG. # 1267

MTD _____ MTD _____

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-3							
TOC _____	1	SEED					
PH COMP _____	8						
GRAB _____	9						
FLOW _____	10						
TEMP:							
COMP							
REF _____	GRAB _____	Adj Temp _____	AVG. BOD _____				
TIME PICKED UP _____	Adj pH _____	TEST NO _____					
TIME ON _____	OFF _____						

TOTAL SUSPENDED SOLIDS ML _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

FLOW _____ x 8.34 x _____ = _____
SS (PPM) TOT. # SOLIDS

FLOW _____ x 8.34 x _____ = _____
BOD PPM # BOD TODAY

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

FLOODED

NPDES LOG SHEET E1-755-14

TODAY'S DATE 4-29-21 SAMPLE DATE 4-28-21 DATE ON 4-29-21 DATE OFF 5-4-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 184
 OFF 19.9 OFF Phillips 10.03 7.0 4.0
 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC	1	SEED	7.9	7.2	.7		
PH COMP	5	6ml	7.9	7.2	.7	.42	21
GRAB	6	4ml	7.9	7.4	.5	.22	17
FLOW	7	3ml	7.9	7.5	.4	.12	12
TEMP: F, 040							
COMP							
REF <u>N/A</u>	GRAB <u>25.0</u>	Adj Temp <u>20.4</u>	AVG. BOD <u>17</u>				
TIME PICKED UP <u>6:16</u>	Adj pH <u>7.03</u>	TEST NO					
TIME ON <u>8:56</u>	OFF <u>9:02</u>						

D.O. METER CALIBRATION
P, 28
 MET ON 25.0 TEMP. CALIB. 8.26
 OFF 24.0 8.42
 DESSICATOR BEADS
 BLUE _____
 PINK _____
 RAINFALL
 DATE _____ IN _____
 Dil H₂O Temp 20.0
 ON 7.9
 OFF 7.9
 COMMENTS:
No Ref. @ E1.

Outfall 001

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-2							
TOC	1	SEED					
PH COMP	8	275ml	7.9	5.8	2.1		7.6
GRAB	9	250ml	7.8	5.7	2.1		8.4
FLOW	10	225ml	7.8	6.3	1.5		6.7
TEMP:							
COMP							
REF <u>3</u>	GRAB <u>23.4</u>	DUP GRAB ph <u>7.46</u>	AVG. BOD <u>7.6</u>				
TIME PICKED UP <u>6:26</u>	Adj Temp <u>20.4</u>	TEST NO <u>12</u>					
TIME ON <u>9:09</u>	OFF <u>9:05</u>	Adj pH <u>6.95</u>					

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 13963
 TOTAL # 15539 AVG. # 1295
 MTD MTD
 $12.6 \times 8.34 \times 15 = 1576$
 FLOW x 8.34 x SS (PPM) = TOT. # SOLIDS
 $12.6 \times 8.34 \times 7.6 = 798$
 FLOW x 8.34 x BOD PPM = # BOD TODAY
 PREV. MTD TOTAL # 12776
 TOTAL # 13574 AVG. # 1131
 MTD MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-3							
TOC	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF _____	GRAB _____	Adj Temp _____	AVG. BOD _____				
TIME PICKED UP _____	Adj pH _____	TEST NO _____					
TIME ON _____	OFF _____						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW x 8.34 x SS (PPM) = TOT. # SOLIDS
 _____ x 8.34 x _____ = _____
 FLOW x 8.34 x BOD PPM = # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

FLOODED

NPDES LOG SHEET E1-755-20

TODAY'S DATE 4-30-21 SAMPLE DATE 4-29-21 DATE ON 4-30-21 DATE OFF 5-5-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED 10 TSS OVEN TEMP. 105
 OFF 20.0 OFF Phillips 14.03 7.00 4.0 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1							
TOC <u>51.32</u>	1	SEED	7.9	7.5	.4	—	—
PH COMP <u>8.20</u>							
GRAB <u>6.36 (v)</u>	5	6ml	7.9	6.6	1.3	1.14	57
FLOW <u>11.0</u>	6	4ml	7.9	7.4	.5	.34	26
TEMP: <u>F, 040</u>	7	3ml	7.9	7.5	.4	.24	24
COMP							
REF <u>N/A</u>	GRAB <u>25.2</u>	Adj Temp <u>20.0</u>	AVG. BOD <u>36</u>				
TIME PICKED UP <u>6:16</u>	Adj pH <u>6.96</u>	TEST NO					
TIME ON <u>8:37</u>	OFF <u>8:22</u>						

D.O. METER CALIBRATION
P.16
 MET ON 24.7 TEMP. CALIB. 8.31
 OFF 22.9 8.6
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL .05
 DATE _____ IN _____
 Dil H₂O Temp 20.0
 ON 7.9
 OFF 8.0
 COMMENTS:
No Ref @ E1

OUTFALL 001

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-2							
TOC <u>27.39</u>	1	SEED					
PH COMP <u>7.13</u>							
GRAB <u>7.69 (v)</u>	8	275ml	7.9	3.8	4.1		14.9
FLOW <u>11.8</u>	9	250ml	7.9	5.7	2.2		8.8
TEMP:	10	225ml	7.9	6.6	1.3		5.8
COMP			7.9	5.6	2.3		10.2
REF <u>2</u>	GRAB <u>21.8</u>	DUP GRAB	AVG. BOD <u>11.9</u>				
TIME PICKED UP <u>6:26</u>	ph <u>7.72</u>	Adj Temp <u>20.3</u>	TEST NO <u>13</u>				
TIME ON <u>8:48</u>	OFF <u>8:26</u>	Adj pH <u>6.95</u>					

TOTAL SUSPENDED SOLIDS ML 100
 PREV. MTD TOTAL # 15539
 TOTAL # 16917 AVG. # 1301
 MTD MTD
11.8 x 8.34 x 14 = 1378
 FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
11.8 x 8.34 x 11.9 = 1171
 # BOD TODAY
 PREV. MTD TOTAL # 13574
 TOTAL # 14745 AVG. # 1134
 MTD MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-3							
TOC _____	1	SEED					
PH COMP _____							
GRAB _____	8						
FLOW _____	9						
TEMP: _____	10						
COMP _____							
REF _____	GRAB _____	Adj Temp _____	AVG. BOD _____				
TIME PICKED UP _____	Adj pH _____	TEST NO _____					
TIME ON _____	OFF _____						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET

TODAY'S DATE 1-7-21 SAMPLE DATE 1-7-21 DATE ON 1-7-21 DATE OFF 1-12-21

INC. TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP. _____
 OFF 20.0 OFF Jordan 10.08 7.02 ACT. PH OF BUFFER 4.00

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>Seed</u>	1	SEED					
PH COMP							
GRAB	<u>1#</u>	<u>3 mL</u>	<u>7.0</u>	<u>8.1</u>	<u>.9</u>		<u>Seed</u>
FLOW							
TEMP: <u>F.067</u>	<u>2#</u>	<u>5 mL</u>	<u>9.1</u>	<u>7.8</u>	<u>1.3</u>		
COMP	<u>3#</u>	<u>8 mL</u>	<u>9.1</u>	<u>7.4</u>	<u>1.7</u>		
REF _____ GRAB _____	Adj Temp _____		AVG. BOD _____		TEST NO _____		
TIME PICKED UP _____	Adj pH _____		COMMENTS: <u>Bad Check</u>				
TIME ON <u>8:34</u> OFF <u>8:18 AM</u>	GCT-0213 W/P					Lot # <u>200721</u>	

D.O. METER CALIBRATION

P. 6⁰
 MET ON 19.1 TEMP. CALIB. 9.26
 OFF 19.3 9.14

DESSICATOR BEADS
 BLUE
 PINK _____

Dil H₂O Temp 20.0
 ON 9.1
 OFF 8.4

RAINFALL DATE IN _____

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>GGA</u>	1	SEED					
PH COMP							
GRAB	<u>4#</u>	<u>4/3 mL</u>	<u>9.1</u>	<u>4.8</u>	<u>4.3</u>	<u>3.7</u>	<u>135</u>
FLOW							
TEMP:							
COMP							
REF _____ GRAB _____	DUP GRAB		AVG. BOD <u>135</u>		TEST NO _____		
TIME PICKED UP _____	ph _____		PREV. MTD TOTAL # _____				
TIME ON <u>8:36</u> OFF <u>8:20</u>	Adj Temp _____		TOTAL # _____		AVG. # _____		
	Adj pH _____		MTD _____		MTD _____		

TOTAL SUSPENDED SOLIDS ML _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

FLOW x 8.34 x _____ = _____
SS (PPM) TOT. # SOLIDS

FLOW BOD PPM

x 8.34 x _____ = _____
BOD TODAY

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-3</u>	1	SEED					
PH COMP							
GRAB	<u>8</u>						
FLOW	<u>9</u>						
TEMP:							
COMP	<u>10</u>						
REF _____ GRAB _____	Adj Temp _____		AVG. BOD _____		TEST NO _____		
TIME PICKED UP _____	Adj pH _____		PREV. MTD TOTAL # _____				
TIME ON _____ OFF _____			TOTAL # _____		AVG. # _____		
			MTD _____		MTD _____		

TOTAL SUSPENDED SOLIDS ML _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

FLOW x 8.34 x _____ = _____
SS (PPM) TOT. # SOLIDS

FLOW BOD PPM

x 8.34 x _____ = _____
BOD TODAY

NPDES LOG SHEET

TODAY'S DATE 1-14-21 SAMPLE DATE 1-14-21 DATE ON 1-14-21 DATE OFF 1-17-21

INC. TEMP. ON 20.0 TESTER ON J Morgan PH METER BUFFED TSS OVEN TEMP. _____
 OFF 20.1 OFF Phillips 10.10 7.02 ACT. PH OF BUFFER 4.00

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>Seed</u>	1	SEED					
PH COMP							
GRAB	1 ⁰	3ml	9.1	8.4	17	"Seed"	
FLOW	2 ⁰	5ml	9.1	8.0	11		
TEMP: COMP <u>F. 0.067</u>	3 ⁷	8ml	8.8	7.7	11		
REF _____ GRAB _____			Adj Temp _____		AVG. BOD _____		
TIME PICKED UP _____			Adj pH _____		TEST NO _____		
TIME ON <u>8:07</u> OFF _____							

D.O. METER CALIBRATION
P:47
 MET ON 20.3 TEMP. CALIB. 9.02
 OFF 20.1 9.07
 DESSICATOR BEADS
 BLUE _____
 PINK _____
 RAINFALL DATE IN _____
 Dil H2O Temp 19.0
 ON 8.9
 OFF 8.8
 COMMENTS:
Bod Check
QCT - 0213NIP
Lot # 200921

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>SGA</u>	1	SEED					
PH COMP							
GRAB	4 ⁰	6/3ml	8.7	5.1	3.6	3.13	157
FLOW	9						
TEMP: COMP	10						
REF _____ GRAB _____			DUP GRAB ph _____		AVG. BOD _____		
TIME PICKED UP _____			Adj Temp _____		TEST NO _____		
TIME ON <u>8:10</u> OFF _____			Adj pH _____				

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-3</u>	1	SEED					
PH COMP							
GRAB	8						
FLOW	9						
TEMP: COMP	10						
REF _____ GRAB _____			Adj Temp _____		AVG. BOD _____		
TIME PICKED UP _____			Adj pH _____		TEST NO _____		
TIME ON _____ OFF _____							

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET

TODAY'S DATE 1-21-25 SAMPLE DATE 1-21-25 DATE ON 1-21-25 DATE OFF 1-26-20

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP.

OFF 20.0 OFF Phillips 10.08 7.02 ACT. PH OF BUFFER 4.00

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>SEED</u>	1	SEED					
PH COMP	5	3ml	8.9	8.5	.4		
GRAB	6	5ml	8.9	8.1	.8	'seed'	
FLOW	7	8ml	8.9	7.6	1.3		
TEMP: _____							
COMP _____							
REF _____ GRAB _____							
TIME PICKED UP _____							
TIME ON <u>8:05</u> OFF <u>8:28</u>							

D.O. METER CALIBRATION

P.32

MET ON 19.8 TEMP. CALIB. 9.14

OFF 21.1 8.9

DESSICATOR BEADS
 BLUE _____
 PINK _____

Rainfall .07
 DATE _____ IN _____

Dil H₂O
 Temp 20.0
 ON 8.9
 OFF 8.9

COMMENTS:
BOD Check
Col QCI - 0815NIP
Lot 200921

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>GGA</u>	1	SEED					
PH COMP	8	3ml	9.0	4.9	4.1	3.78	189
GRAB	9						
FLOW	10						
TEMP: _____							
COMP _____							
REF _____ GRAB _____							
TIME PICKED UP _____							
TIME ON <u>8:08</u> OFF <u>8:32</u>							

TOTAL SUSPENDED SOLIDS ML _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

FLOW x 8.34 x _____ = _____

SS (PPM) _____ TOT. # SOLIDS _____

FLOW BOD PPM

x 8.34 x _____ = _____

BOD TODAY _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-3</u>	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						
TEMP: _____							
COMP _____							
REF _____ GRAB _____							
TIME PICKED UP _____							
TIME ON _____ OFF _____							

TOTAL SUSPENDED SOLIDS ML _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

FLOW x 8.34 x _____ = _____

SS (PPM) _____ TOT. # SOLIDS _____

FLOW BOD PPM

x 8.34 x _____ = _____

BOD TODAY _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

NPDES LOG SHEET

TODAY'S DATE 1-28-21 SAMPLE DATE 1-28-21 DATE ON 1-28-21 DATE OFF 2-2-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 4.0
 OFF 20.0 OFF Phillips 10.08 702 ACT. PH OF BUFFER 4.00

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
ET <u>SPD</u>	1	SEED					
PH COMP	5	3ml	8.8	8.3	.5		
GRAB	6	5ml	8.8	8.0	.8	"Seed"	
FLOW	7	8ml	8.8	7.6	1.2		
TEMP: <u>F.040</u>							
COMP							
REF	GRAB	Adj Temp		AVG. BOD			
TIME PICKED UP	Adj pH		TEST NO				
TIME ON <u>8:38</u>	OFF <u>8:25</u>						

D.O. METER CALIBRATION

P.32
 MET ON 19.1 TEMP. CALIB. 9.26
 OFF 18.5 9.37

DESSICATOR BEADS
 BLUE
 PINK

RAINFALL
 DATE IN

Dil H2O
 Temp 20.0
 ON 8.8
 OFF 8.8

COMMENTS:
BOD check
cat DCI-0815NIP
lot # 200921

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E2 <u>GGA</u>	1	SEED					
PH COMP	4	4/3ml	8.9	5.1	3.8	3.48	174
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF	GRAB	DUP GRAB		AVG. BOD			
TIME PICKED UP	ph		TEST NO				
TIME ON <u>8:42</u>	OFF <u>8:18</u>						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____
 MTD MTD

FLOW x 8.34 x _____ = _____
SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
 x 8.34 x _____ = _____
BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
<u>E-3</u>	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF	GRAB	Adj Temp		AVG. BOD			
TIME PICKED UP	Adj pH		TEST NO				
TIME ON	OFF						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____
 MTD MTD

FLOW x 8.34 x _____ = _____
SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
 x 8.34 x _____ = _____
BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET

TODAY'S DATE 2-4-21 SAMPLE DATE 2-4-21 DATE ON 2-4-21 DATE OFF 2-9-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 40
 OFF 20.0 OFF Goodman 10.00 7.02 ACT. PH OF BUFFER 4.00

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>ET SEED</u>	1	SEED					
PH COMP	5	3ml	8.9	8.4	.4		
GRAB	6	5ml	8.9	8.0	.9	SEED	
TEMP: <u>7.040</u>	7	3ml	8.9	7.6	1.3		
COMP							
REF	GRAB		Adj Temp			AVG. BOD	
TIME PICKED UP			Adj pH			TEST NO	
TIME ON <u>8:26</u>			OFF <u>7:57</u>				

D.O. METER CALIBRATION
P.36
 MET ON 19.8 CALIB. 9.14
 OFF 20.2 7.05

DESSICATOR BEADS
 BLUE
 PINK _____

RAINFALL DATE IN _____

DH H2O
 Temp 20.0
 ON 9.0
 OFF 8.8

COMMENTS:
BOD Check
cat - 021-0313MIP
int 200921

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-2 33A</u>	1	SEED					
PH COMP	8	4.3ml	8.9	5.0	3.9	3.54	177
GRAB	9						
TEMP:	10						
COMP							
REF	GRAB		DUP GRAB			AVG. BOD <u>177</u>	
TIME PICKED UP			ph			TEST NO	
TIME ON <u>8:30</u>			Adj Temp				
OFF <u>7:59</u>			Adj pH				

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____
 MTD MTD

FLOW x 8.34 x _____ = _____
SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-3</u>	1	SEED					
PH COMP	8						
GRAB	9						
TEMP:	10						
COMP							
REF	GRAB		Adj Temp			AVG. BOD	
TIME PICKED UP			Adj pH			TEST NO	
TIME ON _____			OFF _____				

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____
 MTD MTD

FLOW x 8.34 x _____ = _____
SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET

TODAY'S DATE 2-11-21 SAMPLE DATE 2-11-21 DATE ON 2-11-21 DATE OFF 2-11-21
 INC. TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP. _____
 OFF 20.0 OFF Phillips 10.09 7.02 ACT. PH OF BUFFER 4.00

D.O. METER CALIBRATION
P.28
 MET ON 19.6 TEMP. CALIB. 2.17
 OFF 24.6 8.37
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL
 DATE IN _____
 Dil H₂O
 Temp 20.0
 ON 9.0
 OFF 9.0

COMMENTS:
Bad Check
QCI 0815NIP
Lot # 2,00721

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP							
GRAB	1 st	3ml	7.0	8.7	.3		
FLOW	2 nd	5ml	9.0	8.3	.7	"Seed"	
TEMP: <u>F 040</u>	3 rd	8ml	8.9	7.7	1.2		
COMP							
REF _____	GRAB _____	Adj Temp _____		AVG. BOD _____			
TIME PICKED UP _____	Adj pH _____		TEST NO _____				
TIME ON <u>9:27</u>	OFF <u>9:33</u>						

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP							
GRAB	4 th	6/3ml	9.0	5.6	3.4	3.12	156
FLOW	9						
TEMP:	10						
COMP							
REF _____	GRAB _____	DUP GRAB		AVG. BOD _____			
TIME PICKED UP _____	ph _____		TEST NO _____				
TIME ON <u>9:29</u>	OFF <u>9:37</u>	Adj Temp _____					
		Adj pH _____					

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP							
GRAB	8						
FLOW	9						
TEMP:	10						
COMP							
REF _____	GRAB _____	Adj Temp _____		AVG. BOD _____			
TIME PICKED UP _____	Adj pH _____		TEST NO _____				
TIME ON _____	OFF _____						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET

TODAY'S DATE 2-19-21 SAMPLE DATE 2-19-21 DATE ON 2-19-21 DATE OFF 2-24-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 4.0

OFF 20.0 OFF Jordan 10.11 7.03 ACT. PH OF BUFFER 4.00

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>SEED</u>	1	SEED					
PH COMP	5	3ml	9.0	8.6	4		
GRAB	6	5ml	9.0	8.3	7	Seed	
FLOW	7	8ml	9.0	7.8	1.2		
TEMP: <u>F. 040</u>							
COMP							
REF	GRAB	Adj Temp		AVG. BOD			
TIME PICKED UP	Adj pH		TEST NO				
TIME ON <u>9:28</u>	OFF <u>8:18</u>						

D.O. METER CALIBRATION

P. 23

MET	ON	TEMP. <u>20.2</u>	CALIB. <u>9.05</u>
	OFF	<u>21.6</u>	<u>2.31</u>

DESSICATOR BEADS
 BLUE _____
 PINK _____

Dil H ₂ O	Temp	<u>20.0</u>	RAINFALL
	ON	<u>9.0</u>	DATE
	OFF		IN

COMMENTS:
BOD Check
Col # QCI-0815NIP
Lot 200921

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E2</u>	1	SEED					
PH COMP	4	1/3ml	9.1	5.4	3.7	3.42	171
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF	GRAB	DUP GRAB		AVG. BOD <u>171</u>			
TIME PICKED UP	ph		TEST NO				
TIME ON <u>9:32</u>	OFF <u>8:20</u>	Adj Temp		Adj pH			

TOTAL SUSPENDED SOLIDS ML _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

FLOW x 8.34 x _____ = _____

SS(PPM) TOT. # SOLIDS

FLOW BOD PPM

_____ x 8.34 x _____ = _____

BOD TODAY

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-3</u>	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF	GRAB	Adj Temp		AVG. BOD			
TIME PICKED UP	Adj pH		TEST NO				
TIME ON	OFF						

TOTAL SUSPENDED SOLIDS ML _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

FLOW x 8.34 x _____ = _____

SS(PPM) TOT. # SOLIDS

FLOW BOD PPM

_____ x 8.34 x _____ = _____

BOD TODAY

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

NPDES LOG SHEET

TODAY'S DATE 2-25-21 SAMPLE DATE 2-25-21 DATE ON 2-25-21 DATE OFF 3-02-21

INC. TEMP. ON 19.9 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP.

OFF 20.0 OFF Phillips 10.05 201 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>Seed</u>	1	SEED					
PH COMP							
GRAB	1	3ml	8.3	7.7	.6	"Seed"	
FLOW	2	5ml	8.3	7.3	1.0		
TEMP: <u>106.7</u>	3	8ml	8.3	6.9	1.4		
COMP							
REF	GRAB		Adj Temp			AVG. BOD	
TIME PICKED UP			Adj pH			TEST	
TIME ON <u>8:57</u>	OFF <u>8:35</u>					NO	

D.O. METER CALIBRATION
P. 40
 MET ON 22.1 TEMP. CALIB. 8.72
 OFF 20.5 9.0

DESSICATOR BEADS
 BLUE _____
 PINK _____

RAINFALL
 DATE _____ IN _____

Dil H₂O
 Temp 20.0
 ON 8.3
 OFF 8.2

COMMENTS:
Bod Check
QCI - 0815 WIP
Lot # 210 201

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>CSA</u>	1	SEED					
PH COMP							
GRAB	8	4 1/3	8.3	4.4	3.9	3.5	175
FLOW	9						
TEMP:	10						
COMP							
REF	GRAB		DUP GRAB			AVG. BOD	
TIME PICKED UP			ph			TEST	
TIME ON <u>8:59</u>	OFF <u>8:39</u>		Adj Temp			NO	
			Adj pH				

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____
 MTD MTD

FLOW x 8.34 x _____ = _____
SS (PPM) TOT. # SOLIDS

FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-3</u>	1	SEED					
PH COMP							
GRAB	8						
FLOW	9						
TEMP:	10						
COMP							
REF	GRAB		Adj Temp			AVG. BOD	
TIME PICKED UP			Adj pH			TEST	
TIME ON _____	OFF _____					NO	

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____
 MTD MTD

FLOW x 8.34 x _____ = _____
SS (PPM) TOT. # SOLIDS

FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET

TODAY'S DATE 3-4-21 SAMPLE DATE 3-4-21 DATE ON 3-4-21 DATE OFF 3-6-21

INC. TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED TSS OVEN TEMP. 104°
10 7

OFF 20.0 OFF Jordan 10.03 762 ACT. PH OF BUFFER 4.00

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>Seed</u>	1	SEED					
PH COMP							
GRAB	1	3ml	8.6	8.2	.4		
FLOW	2	5ml	8.6	7.8	.8	Seed	
TEMP: <u>F</u>	3	8ml	8.6	7.4	1.2		
COMP							
REF	GRAB		Adj Temp		AVG. BOD		
TIME PICKED UP			Adj pH		TEST NO		
TIME ON <u>7:19</u>	OFF <u>8:19</u>						

D.O. METER CALIBRATION

P.
 MET ON 21.7 TEMP. 3:11 CALIB. 872
 OFF 21.0 872

DESSICATOR BEADS
 BLUE _____
 PINK _____

Dil H₂O _____
 Temp 20.0
 ON 26
 OFF 8.5

RAINFALL
 DATE _____ IN _____

COMMENTS:
Bod Check
QCL - 0215MIP
Lot # 210204

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>GBA</u>	1	SEED					
PH COMP							
GRAB	4	6 ¹ / ₃ ml	8.6	5.2	3.4	3.08	154
FLOW	9						
TEMP:	10						
COMP							
REF	GRAB		DIUP GRAB		AVG. BOD		
TIME PICKED UP			ph		TEST NO		
TIME ON <u>7:21</u>	OFF <u>8:21</u>		Adj Temp				
			Adj pH				

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____
 MTD MTD

FLOW x 8.34 x _____ = _____
SS (PPM) TOT. # SOLIDS

FLOW BOD PPM
 x 8.34 x _____ = _____
BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-3</u>	1	SEED					
PH COMP							
GRAB	8						
FLOW	9						
TEMP:	10						
COMP							
REF	GRAB		Adj Temp		AVG. BOD		
TIME PICKED UP			Adj pH		TEST NO		
TIME ON _____	OFF _____						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____
 MTD MTD

FLOW x 8.34 x _____ = _____
SS (PPM) TOT. # SOLIDS

FLOW BOD PPM
 x 8.34 x _____ = _____
BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET

TODAY'S DATE 3-11-21 SAMPLE DATE 3-11-21 DATE ON 3-11-21 DATE OFF 3-16-21

INC. TEMP. ON 20.0 TESTER ON Jordan PH METER BUFFED 10 7 TSS OVEN TEMP. 104.0

OFF _____ OFF _____ 10.05 7.01 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>Seed</u>	1	SEED					
PH COMP _____							
GRAB _____	1 st	3ml	8.3	7.8	.5		
FLOW _____	2 nd	5ml	8.2	7.4	.8	"Seed"	
TEMP: _____							
COMP <u>F.040</u>	3 rd	8ml	8.2	6.9	1.3		
REF _____ GRAB _____			Adj Temp _____		AVG. BOD _____		
TIME PICKED UP _____			Adj pH _____		TEST NO _____		
TIME ON <u>8:25</u> OFF <u>8:08</u>							

D.O. METER CALIBRATION

P.32

MET ON 24.0 TEMP. CALIB. 8.42

OFF 24.1 8.4

DESSICATOR BEADS

BLUE _____

PINK _____

RAINFALL DATE _____ IN _____

Dil H₂O _____

Temp ON _____ OFF 8.3

COMMENTS: Bod Check

QCI-0813NIP

Lot # 210204

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>GG</u>	1	SEED					
PH COMP _____							
GRAB _____	1020 4	6/3	8.3	4.5	3.8	3.48	174
FLOW _____	9						
TEMP: _____							
COMP _____	10						
REF _____ GRAB _____			DUP GRAB ph _____		AVG. BOD _____		
TIME PICKED UP _____			Adj Temp _____		TEST NO _____		
TIME ON <u>8:27</u> OFF <u>8:11</u>			Adj pH _____				

TOTAL SUSPENDED SOLIDS ML _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

FLOW x 8.34 x _____ = _____

SS (PPM) _____ TOT. # SOLIDS _____

FLOW BOD PPM _____

x 8.34 x _____ = _____

BOD TODAY _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-3</u>	1	SEED					
PH COMP _____							
GRAB _____	8						
FLOW _____	9						
TEMP: _____							
COMP _____	10						
REF _____ GRAB _____			Adj Temp _____		AVG. BOD _____		
TIME PICKED UP _____			Adj pH _____		TEST NO _____		
TIME ON _____ OFF _____							

TOTAL SUSPENDED SOLIDS ML _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

FLOW x 8.34 x _____ = _____

SS (PPM) _____ TOT. # SOLIDS _____

FLOW BOD PPM _____

x 8.34 x _____ = _____

BOD TODAY _____

PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____

MTD _____ MTD _____

NPDES LOG SHEET

TODAY'S DATE 3-18-21 SAMPLE DATE 3-18-21 DATE ON 3-18-21 DATE OFF 3-23-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 105
 OFF 20.1 OFF Phillips 10,05 7.01 4.0 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-1</u> <u>SEED</u>	1	SEED					
PH COMP	5	3ml	8.0	7.6	.4		
GRAB	6	5ml	8.0	7.2	.8	Seed	
FLOW	7	6ml	8.0	6.5	1.5		
TEMP: <u>F .040</u>							
COMP							
REF	GRAB	Adj Temp		AVG. BOD			
TIME PICKED UP	Adj pH		TEST NO				
TIME ON <u>8:02</u>	OFF <u>7:58</u>						

D.O. METER CALIBRATION
7.32
 MET ON 21.4 TEMP. CALIB. 8.85
 OFF 22.3 8.69
 DESSICATOR BEADS
 BLUE _____
 PINK _____
 RAINFALL 1.07
 DATE _____ IN _____
 Dil H₂O Temp 20.0
 ON 8.0
 OFF 8.0
 COMMENTS:
BOD Check
CAH DCI-0815WIP
LOT 210204

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-2</u> <u>GBA</u>	1	SEED					
PH COMP	9	10/3ml	8.0	4.1	3.9	3.58	179
GRAB	10						
FLOW							
TEMP:							
COMP							
REF	GRAB	DUP GRAB		AVG. BOD			
TIME PICKED UP	ph		TEST NO				
TIME ON <u>8:06</u>	OFF <u>8:01</u>						
	Adj Temp		Adj pH				

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-3</u>	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF	GRAB	Adj Temp		AVG. BOD			
TIME PICKED UP	Adj pH		TEST NO				
TIME ON _____	OFF _____						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET

TODAY'S DATE 3-25-21 SAMPLE DATE 3-25-21 DATE ON 3-25-21 DATE OFF 3-30-21

INC. TEMP. ON 19.9 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 104
 OFF 20.0 OFF Phillips 10.04 7.01 4.0 ACT. PH OF BUFFER 4.51

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>SEED</u>	1	SEED					
PH COMP	5	3ml	8.1	7.3	1.8	"seed"	
GRAB	6	5ml	8.0	6.9	1.1		
FLOW	7	8ml	8.0	6.3	1.7		
TEMP: <u>F, 067</u>							
COMP							
REF	GRAB		Adj Temp			AVG. BOD	
TIME PICKED UP			Adj pH			TEST NO	
TIME ON <u>8:08</u>			OFF <u>8:05</u>				

D.O. METER CALIBRATION
P 1.54
 MET ON 23.8 TEMP. CALIB. 8.45
 OFF 21.2 8.88
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL 12.1
 DATE IN _____
 DII H2O Temp 20.0
 ON 8.8
 OFF 7.9
 COMMENTS:
BOD check
cat # 001-0815NIP
Lot 210204

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>GLA</u>	1	SEED					
PH COMP	4	6/3ml	8.1	3.8	4.3	3.76	188
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF	GRAB		DUP GRAB			AVG. BOD	
TIME PICKED UP			ph			TEST NO	
TIME ON <u>8:11</u>			Adj Temp				
OFF <u>8:08</u>			Adj pH				

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-3</u>	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF	GRAB		Adj Temp			AVG. BOD	
TIME PICKED UP			Adj pH			TEST NO	
TIME ON							
OFF							

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW SS (PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET

TODAY'S DATE 4-1-21 SAMPLE DATE 4-1-21 DATE ON 4-1-21 DATE OFF 4-6-21

INC. TEMP. ON 20.1 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP.
 OFF 20.0 OFF Phillips 10.05 7.01 4.0 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>SBBD</u>	1	SEED					
PH COMP							
GRAB	5	3m	8.2	7.5	1.7		
FLOW	6	5m	8.2	7.2	1.0		
TEMP: <u>F. 040</u>	7	8m	8.2	6.6	1.6		
COMP							
REF _____ GRAB _____			Adj Temp _____		AVG. BOD _____		
TIME PICKED UP _____			Adj pH _____		TEST NO _____		
TIME ON <u>8:08</u> OFF <u>8:14</u>							

D.O. METER CALIBRATION
7.40
 MET ON 22.3 TEMP. CALIB. 8.69
 OFF 23.2 8.55
 DESSICATOR BEADS BLUE PINK _____
 RAINFALL 1.57 IN
 DATE _____
 Dil H₂O Temp 20.0
 ON 8.3
 OFF 8.2
 COMMENTS:
BOD Check
cat # QCI-0815NIP
Lot 210204

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>GBA</u>	1	SEED					
PH COMP							
GRAB	4	3m	8.2	4.1	4.1	3.7	185
FLOW	9						
TEMP:	10						
COMP							
REF _____ GRAB _____			DUP GRAB ph _____		AVG. BOD _____		
TIME PICKED UP _____			Adj Temp _____		TEST NO _____		
TIME ON <u>8:12</u> OFF <u>8:18</u>			Adj pH _____				

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD _____ MTD _____
 FLOW x 8.34 x _____ = _____
SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 x 8.34 x _____ = _____
BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD _____ MTD _____

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-3</u>	1	SEED					
PH COMP							
GRAB	8						
FLOW	9						
TEMP:	10						
COMP							
REF _____ GRAB _____			Adj Temp _____		AVG. BOD _____		
TIME PICKED UP _____			Adj pH _____		TEST NO _____		
TIME ON _____ OFF _____							

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD _____ MTD _____
 FLOW x 8.34 x _____ = _____
SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 x 8.34 x _____ = _____
BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD _____ MTD _____

NPDES LOG SHEET

TODAY'S DATE 4-8-21 SAMPLE DATE 4-8-21 DATE ON 4-8-21 DATE OFF 4-13-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP. 4.0
 OFF 20.1 OFF Phillips 10.05 7.01 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-1 SEED	1	SEED					
PH COMP	5	3ml	8.1	7.3	18		
GRAB	6	5ml	8.0	7.1	19	"Seed"	
FLOW	7	8ml	8.0	6.6	14		
TEMP: <u>F .040</u>							
COMP							
REF	GRAB	Adj Temp		AVG. BOD			
TIME PICKED UP	Adj pH		TEST NO				
TIME ON <u>8:00</u>	OFF <u>8:25</u>						

D.O. METER CALIBRATION
P, 36
 MET ON 22.8 TEMP. CALIB. 8.61
 OFF 23.6 8.48
 DESSICATOR BEADS
 BLUE _____
 PINK _____
 RAINFALL 165
 DATE _____ IN _____
 Dil H₂O Temp 20.0
 ON 8.0
 OFF 8.0
 COMMENTS:
BOD check
cat # QCI-081 SNIP
Lot 210204

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-2 GGA	1	SEED					
PH COMP	4	1/3 ml	8.0	4.2	3.8	3.44	172
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF	GRAB	DUP GRAB		AVG. BOD			
TIME PICKED UP	ph		TEST NO				
TIME ON <u>8:04</u>	OFF <u>8:28</u>						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD _____ MTD _____
 _____ x 8.34 x _____ = _____
FLOW SS(PPM) TOT. # SOLIDS
 FLOW _____ BOD PPM _____
 _____ x 8.34 x _____ = _____
BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD _____ MTD _____

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
E-3	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF	GRAB	Adj Temp		AVG. BOD			
TIME PICKED UP	Adj pH		TEST NO				
TIME ON _____	OFF _____						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD _____ MTD _____
 _____ x 8.34 x _____ = _____
FLOW SS(PPM) TOT. # SOLIDS
 FLOW _____ BOD PPM _____
 _____ x 8.34 x _____ = _____
BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD _____ MTD _____

NPDES LOG SHEET

TODAY'S DATE 4-15-21 SAMPLE DATE 4-15-21 DATE ON 4-15-21 DATE OFF 4-20-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 4.0
 OFF 20.0 OFF Phillips 10.04 7.01 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
ET SEED TOC	1	SEED					
PH COMP	5	3ml	8.3	7.6	.7		
GRAB	6	5ml	8.2	7.3	.9		
FLOW	7	8ml	8.2	6.7	1.5		
TEMP: <u>F, 040</u>							
COMP							
REF	GRAB	Adj Temp		AVG. BOD			
TIME PICKED UP	Adj pH		TEST NO				
TIME ON <u>8:25</u> OFF <u>8:45</u>							

D.O. METER CALIBRATION
P, 36
 MET ON 23.0 CALIB. 8.58
 OFF 22.6 CALIB. 8.64
 DESSICATOR BEADS
 BLUE
 PINK _____
 RAINFALL 1.38
 DATE _____ IN _____
 DII H2O Temp 20.0
 ON 8:22
 OFF _____
 COMMENTS:
BOD Check
Lot # DCI-0815NIP
Lot 210204

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
GG TOC	1	SEED					
PH COMP	4)	4/3ml	8.2	4.4	3.8	3.44	172
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF	GRAB	DUP GRAB		AVG. BOD			
TIME PICKED UP	ph		TEST				
TIME ON <u>8:28</u> OFF <u>8:48</u>	Adj Temp		NO				
	Adj pH						

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
<u>E-3</u> TOC	1	SEED					
PH COMP	8						
GRAB	9						
FLOW	10						
TEMP:							
COMP							
REF	GRAB	Adj Temp		AVG. BOD			
TIME PICKED UP	Adj pH		TEST				
TIME ON	OFF			NO			

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD
 _____ x 8.34 x _____ = _____
 FLOW SS(PPM) TOT. # SOLIDS
 FLOW BOD PPM
 _____ x 8.34 x _____ = _____
 # BOD TODAY
 PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

NPDES LOG SHEET

TODAY'S DATE 4-22-21 SAMPLE DATE 4-22-21 DATE ON 4-22-21 DATE OFF 4-27-21

INC. TEMP. ON 19.9 TESTER ON Phillips PH METER BUFFED 10 7 TSS OVEN TEMP. 100
 OFF 20.0 OFF Phillips 10.06 7.01 4.0 ACT. PH OF BUFFER 4.00

E-1 SEED

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	<u>1067</u>						
GRAB	<u>1</u>	<u>3ml</u>	<u>8.5</u>	<u>8.0</u>	<u>15</u>		
FLOW	<u>1040</u>						
TEMP: <u>F 1040</u>	<u>1025</u>						
COMP	<u>3</u>	<u>8ml</u>	<u>8.4</u>	<u>7.2</u>	<u>1.2</u>		

REF _____ GRAB _____ Adj Temp _____
 TIME PICKED UP _____ Adj pH _____
 TIME ON 8:40 OFF 9:02

D.O. METER CALIBRATION

P 1.28

MET ON 21.7 TEMP. CALIB. 8.77
 OFF 21.3 8.37

DESSICATOR BEADS
 BLUE
 PINK _____

Dil H₂O Temp 20.0
 ON 8.4
 OFF 8.3

RAINFALL DATE IN _____

COMMENTS:
BOD Check
Lot # QCI-0815NIP
Lot 210310

E-2 GBA

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP	<u>1020</u>						
GRAB	<u>1</u>	<u>1/3ml</u>	<u>8.5</u>	<u>4.7</u>	<u>3.8</u>	<u>3.52</u>	<u>176</u>
FLOW	9						
TEMP:	10						
COMP							

REF _____ GRAB _____ DUP GRAB _____
 TIME PICKED UP _____ ph _____
 TIME ON 8:44 OFF 9:06 Adj Temp _____
 Adj pH _____

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____
 MTD _____ MTD _____

FLOW x 8.34 x _____ = _____
 SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
 x 8.34 x _____ = _____
 #BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD _____ MTD _____

E-3

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC	1	SEED					
PH COMP							
GRAB	8						
FLOW	9						
TEMP:	10						
COMP							

REF _____ GRAB _____
 TIME PICKED UP _____ Adj Temp _____
 TIME ON _____ OFF _____ Adj pH _____

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____
 MTD _____ MTD _____

FLOW x 8.34 x _____ = _____
 SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
 x 8.34 x _____ = _____
 #BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD _____ MTD _____

NPDES LOG SHEET

TODAY'S DATE 4-29-21 SAMPLE DATE 4-29-21 DATE ON 4-29-21 DATE OFF 5-4-21

INC. TEMP. ON 20.0 TESTER ON Phillips PH METER BUFFED TSS OVEN TEMP.
 OFF 19.9 OFF Phillips 10.03 7.00 4.0 ACT. PH OF BUFFER 4.01

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>ET SEED</u>	1	SEED					
PH COMP							
GRAB	5	3ml	7.9	7.6	.3		
FLOW	6	5ml	7.9	7.2	.7	"Seed"	
TEMP: <u>F, 040</u>	7	8ml	7.9	6.8	1.1		
COMP							
REF _____ GRAB _____			Adj Temp _____		AVG. BOD		
TIME PICKED UP _____			Adj pH _____		TEST NO		
TIME ON <u>8:52</u> OFF <u>8:58</u>							

D.O. METER CALIBRATION
P, 28
 MET ON TEMP. 25.0 CALIB. 8.26
 OFF 24.0 CALIB. 8.42

DESSICATOR BEADS
 BLUE _____
 PINK _____

RAINFALL
 DATE _____ IN _____

Dil H₂O Temp 20.0
 ON 7.9
 OFF 7.9

COMMENTS:
BOD Check
Cat QCI-0815NIP
Lot 210310

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>EGA</u>	1	SEED					
PH COMP							
GRAB	8	1/3 ml	7.9	4.2	3.7	3.42	171
FLOW	9						
TEMP:	10						
COMP							
REF _____ GRAB _____			DUP GRAB		AVG. BOD		
TIME PICKED UP _____			ph _____		TEST NO		
TIME ON <u>8:55</u> OFF <u>9:01</u>			Adj Temp _____				
			Adj pH _____				

TOTAL SUSPENDED SOLIDS ML _____
 PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____
 MTD MTD

_____ x 8.34 x _____ = _____
FLOW SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

	BTL. NO.	% CONC.	INITIAL D.O.	FINAL D.O.	DEP	CORR	BOD
TOC <u>E-3</u>	1	SEED					
PH COMP							
GRAB	8						
FLOW	9						
TEMP:	10						
COMP							
REF _____ GRAB _____			DUP GRAB		AVG. BOD		
TIME PICKED UP _____			ph _____		TEST NO		
TIME ON _____ OFF _____			Adj Temp _____				
			Adj pH _____				

TOTAL SUSPENDED SOLIDS IML _____
 PREV. MTD TOTAL # _____

TOTAL # _____ AVG. # _____
 MTD MTD

_____ x 8.34 x _____ = _____
FLOW SS(PPM) TOT. # SOLIDS

FLOW BOD PPM
 _____ x 8.34 x _____ = _____
BOD TODAY

PREV. MTD TOTAL # _____
 TOTAL # _____ AVG. # _____
 MTD MTD

Georgia Pacific Crossett Paper Operati
100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
and/or
NPCES Permit #AR0001210
Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 1-6-21

Sample Date: 1-5-21

Solids In Date 1-6-21 Time 7:39 AM Technician Jordan

E2 Initial Calibration 19.9996

Solids Out Date 1-6-21 Time 10:53 AM Technician Jordan

Oven temp at start 104° Oven temp at finish 104°

Filter #	PW1	PW2	IW	FW1	FW2	NW	Sample Volume	TSS mg/L	Final Calibration
<u>1</u>	<u>.0893</u>	<u>.0892</u>	<u>.0892</u>	<u>.0898</u>	<u>.0899</u>	<u>6</u>	<u>100ml</u>	<u>6</u>	<u>19.9996</u>
<u>2</u>	<u>.0894</u>	<u>.0893</u>	<u>.0894</u>	<u>.0899</u>	<u>.0898</u>	<u>5</u>	<u>100ml</u>	<u>5</u>	<u>(6 Avg.)</u>
<u>3</u>	<u>.0896</u>	<u>.0896</u>	<u>.0895</u>	<u>.0901</u>	<u>.0901</u>	<u>6</u>	<u>100ml</u>	<u>6</u>	

Solids In Date 1-7-21 Time 7:4 pm Technician Jordan

E3 Initial Calibration 19.9996

Solids Out Date 1-7-21 Time 11:06 am Technician Jordan

Oven temp at start 104° Oven temp at finish 104°

Filter #	PW1	PW2	IW	FW1	FW2	NW	Sample Volume	TSS mg/L	Final Calibration
<u>4</u>	<u>.0908</u>	<u>.0908</u>	<u>.0908</u>	<u>.0915</u>	<u>.0915</u>	<u>7</u>	<u>100ml</u>	<u>7</u>	<u>19.9995</u>
<u>5</u>	<u>.0883</u>	<u>.0883</u>	<u>.0883</u>	<u>.0890</u>	<u>.0890</u>	<u>7</u>	<u>100ml</u>	<u>7</u>	<u>(7 Avg.)</u>
<u>6</u>	<u>.0878</u>	<u>.0878</u>	<u>.0878</u>	<u>.0885</u>	<u>.0885</u>	<u>7</u>	<u>100ml</u>	<u>7</u>	

Sample date
1-6-21

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

Georgia Pacific Crossett Paper Operations
100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
and/or
NPCES Permit #AR0001210
Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 1-8-21

Sample Date: 1-7-21

Solids In Date 1-8-21 Time 7:42am Technician Jordan

2 Initial Calibration 19.9996

Solids Out Date 1-8-21 Time 11:49 Technician Jordan

Oven temp at start 104° Oven temp at finish 104°

Filter # <u>7</u>	Filter # <u>8</u>	Filter # <u>9</u>
W1 <u>.0883</u>	PW1 <u>.0895</u>	PW1 <u>.0881</u>
W2 <u>.0883</u>	PW2 <u>.0894</u>	PW2 <u>.0880</u>
IW <u>.0882</u>	IW <u>.0894</u>	IW <u>.0880</u>
W1 <u>.0887</u>	FW1 <u>.0901</u>	FW1 <u>.0887</u>
W2 <u>.0889</u>	FW2 <u>.0901</u>	FW2 <u>.0887</u>

IW <u>7</u>	NW <u>7</u>	NW <u>7</u>
Sample Volume <u>100ml</u>	Sample Volume <u>100ml</u>	Sample Volume <u>100ml</u>

SS mg/L <u>7</u>	TSS mg/L <u>7</u>	TSS mg/L <u>7</u>
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Final Calibration 19.9996 (7 Avg.)

Solids In Date _____ Time _____ Technician _____

3 Initial Calibration _____

Solids Out Date _____ Time _____ Technician _____

Oven temp at start _____ Oven temp at finish FLOODED

Filter # _____	Filter # _____	Filter # _____
W1 _____	PW1 _____	PW1 _____
W2 _____	PW2 _____	PW2 _____
IW _____	IW _____	IW _____
W1 _____	FW1 _____	FW1 _____
W2 _____	FW2 _____	FW2 _____

IW _____	NW _____	NW _____
Sample Volume _____	Sample Volume _____	Sample Volume _____

SS mg/L _____	TSS mg/L _____	TSS mg/L _____
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Final Calibration _____

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

Georgia Pacific Crossett Paper Operat
100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
and/or
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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 1-13-21

Sample Date: 1-12-21

Solids In Date 1-13-21 Time 7:39 Am Technician Jordan

Initial Calibration 19.9997

Solids Out Date 1-13-21 Time 10:42am Technician Jordan

Oven temp at start 104° Oven temp at finish 104°

Filter # <u>1</u>	Filter # <u>2</u>	Filter # <u>3</u>
W1 <u>.0864</u>	PW1 <u>.0853</u>	PW1 <u>.0856</u>
W2 <u>.0864</u>	PW2 <u>.0853</u>	PW2 <u>.0856</u>
W <u>.0865</u>	IW <u>.0854</u>	IW <u>.0856</u>
W1 <u>.0875</u>	FW1 <u>.0865</u>	FW1 <u>.0867</u>
W2 <u>.0876</u>	FW2 <u>.0865</u>	FW2 <u>.0867</u>

IW <u>10</u>	NW <u>11</u>	NW <u>11</u>
Sample Volume <u>100ml</u>	Sample Volume <u>100ml</u>	Sample Volume <u>100ml</u>

SS mg/L <u>10</u>	TSS mg/L <u>11</u>	TSS mg/L <u>11</u>
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Final Calibration 19.9996

(11 Avg)

Solids In Date 1-14-21 Time 7:20 Technician Jordan

Initial Calibration 19.9997

Solids Out Date 1-14-21 Time 11:41am Technician Jordan

Oven temp at start 105° Oven temp at finish 105°

Filter # <u>4</u>	Filter # <u>5</u>	Filter # <u>6</u>
W1 <u>.0862</u>	PW1 <u>.0874</u>	PW1 <u>.0878</u>
W2 <u>.0862</u>	PW2 <u>.0874</u>	PW2 <u>.0878</u>
W <u>.0862</u>	IW <u>.0873</u>	IW <u>.0878</u>
W1 <u>.0876</u>	FW1 <u>.0884</u>	FW1 <u>.0889</u>
W2 <u>.0875</u>	FW2 <u>.0884</u>	FW2 <u>.0889</u>

IW <u>13</u>	NW <u>11</u>	NW <u>11</u>
Sample Volume <u>100ml</u>	Sample Volume <u>100ml</u>	Sample Volume <u>100ml</u>

SS mg/L <u>13</u>	TSS mg/L <u>11</u>	TSS mg/L <u>11</u>
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Final Calibration 19.9996

(12 Avg)

Sample Date
1-13-21

Georgia Pacific Crossett Paper Operati...
 100 Mill Supply Road, Crossett, AR 71635

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 Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 1-15-21

Sample Date: 1-24-21

Solids In Date 1-15-21 Time 8:05 Technician Morgan

Initial Calibration 19.9997

Solids Out Date 1-15-21 Time 11:42 Technician Morgan

Oven temp at start 105° Oven temp at finish 105°

Filter #	<u>7</u>	Filter #	<u>8</u>	Filter #	<u>9</u>
W1	<u>.0871</u>	PW1	<u>.0869</u>	PW1	<u>.0867</u>
W2	<u>.0871</u>	PW2	<u>.0869</u>	PW2	<u>.0867</u>
W	<u>.0892</u>	IW	<u>.0869</u>	IW	<u>.0867</u>
W1	<u>.0886</u>	FW1	<u>.0881</u>	FW1	<u>.0882</u>
W2	<u>.0886</u>	FW2	<u>.0882</u>	FW2	<u>.0881</u>
IW	<u>14</u>	NW	<u>12</u>	NW	<u>15</u>
Sample Volume	<u>100mL</u>	Sample Volume	<u>100mL</u>	Sample Volume	<u>100mL</u>
SS mg/L	<u>14</u>	TSS mg/L	<u>12</u>	TSS mg/L	<u>15</u>
Final Calibration	<u>19.9998</u>				

AVG 14

Solids In Date _____ Time _____ Technician _____

Initial Calibration _____

Solids Out Date _____ Time _____ Technician _____

Oven temp at start _____ Oven temp at finish _____

Filter #	_____	Filter #	_____	Filter #	_____
W1	_____	PW1	_____	PW1	_____
W2	_____	PW2	_____	PW2	_____
W	_____	IW	_____	IW	_____
W1	_____	FW1	_____	FW1	_____
W2	_____	FW2	_____	FW2	_____
IW	_____	NW	_____	NW	_____
Sample Volume	_____	Sample Volume	_____	Sample Volume	_____
SS mg/L	_____	TSS mg/L	_____	TSS mg/L	_____
Final Calibration	_____				

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 1-20-21 / 1-21-21

Sample Date: 1-19-21 / 1-20-21

Solids In Date 1-20-21 Time 7:14 Technician Phillips

Initial Calibration 19.9996

Solids Out Date 1-20-21 Time 10:25 Technician Phillips

Oven temp at start 104 Oven temp at finish 105

Filter # <u>1</u>	Filter # <u>2</u>	Filter # <u>3</u>
W1 <u>.0880</u>	PW1 <u>.0881</u>	PW1 <u>.0864</u>
W2 <u>.0881</u>	PW2 <u>.0882</u>	PW2 <u>.0864</u>
W <u>.0881</u>	IW <u>.0883</u>	IW <u>.0865</u>
W1 <u>.0897</u>	FW1 <u>.0898</u>	FW1 <u>.0878</u>
W2 <u>.0897</u>	FW2 <u>.0898</u>	FW2 <u>.0878</u>
IW <u>16</u>	NW <u>15</u>	NW <u>14</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
SS mg/L <u>16</u>	TSS mg/L <u>15</u>	TSS mg/L <u>14</u>

Initial Calibration 19.9996

15 AV

Solids In Date 1-21-21 Time 7:25 Technician Phillips

Initial Calibration 19.9996

Solids Out Date 1-21-21 Time _____ Technician _____

Oven temp at start 105 Oven temp at finish _____

Filter # <u>4</u>	Filter # <u>5</u>	Filter # <u>6</u>
W1 <u>.0867</u>	PW1 <u>.0870</u>	PW1 <u>.0859</u>
W2 <u>.0868</u>	PW2 <u>.0870</u>	PW2 <u>.0861</u>
W <u>.0869</u>	IW <u>.0870</u>	IW <u>.0862</u>
W1 <u>.0882</u>	FW1 <u>.0884</u>	FW1 <u>.0874</u>
W2 <u>.0882</u>	FW2 <u>.0884</u>	FW2 <u>.0874</u>
IW <u>13</u>	NW <u>14</u>	NW <u>12</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
SS mg/L <u>13</u>	TSS mg/L <u>14</u>	TSS mg/L <u>12</u>

Initial Calibration 19.9996

13 AV

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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100 Mill Supply Road, Crossett, AR 71635

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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 1-22-21

Sample Date: 1-21-21

Solids In Date 1-22-21 Time 7:33 Technician Phillips

2 Initial Calibration 19.9996

Solids Out Date 1-22-21 Time 11:40 Technician Phillips

Oven temp at start 105 Oven temp at finish 105

Filter # <u>7</u>	Filter # <u>8</u>	Filter # <u>9</u>
W1 <u>.0862</u>	PW1 <u>.0867</u>	PW1 <u>.0861</u>
W2 <u>.0863</u>	PW2 <u>.0868</u>	PW2 <u>.0864</u>

W <u>10864</u>	IW <u>10868</u>	IW <u>10865</u>
W1 <u>10875</u>	FW1 <u>10879</u>	FW1 <u>10875</u>
W2 <u>10875</u>	FW2 <u>10879</u>	FW2 <u>10875</u>

IW <u>11</u>	NW <u>11</u>	NW <u>10</u>
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Sample Volume <u>100 mL</u>	Sample Volume <u>100 mL</u>	Sample Volume <u>100 mL</u>
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SS mg/L <u>11</u>	TSS mg/L <u>11</u>	TSS mg/L <u>10</u>
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Initial Calibration 19.9996

11 AV

Solids In Date _____ Time _____ Technician _____

3 Initial Calibration _____

Solids Out Date _____ Time _____ Technician _____

Oven temp at start _____ Oven temp at finish _____

Filter # _____	Filter # _____	Filter # _____
W1 _____	PW1 _____	PW1 _____
W2 _____	PW2 _____	PW2 _____

W _____	IW _____	IW _____
W1 _____	FW1 _____	FW1 _____
W2 _____	FW2 _____	FW2 _____

IW _____	NW _____	NW _____
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Sample Volume _____	Sample Volume _____	Sample Volume _____
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SS mg/L _____	TSS mg/L _____	TSS mg/L _____
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Initial Calibration _____

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 1-27-21 / 1-28-21

Sample Date: 1-26-21 / 1-27-21

Solids In Date 1-27-21 Time 7:28 Technician Phillips

E2 Initial Calibration 19.9996

Solids Out Date 1-27-21 Time 10:58 Technician Phillips

Oven temp at start 104 Oven temp at finish 104

Filter # <u>1</u>	Filter # <u>2</u>	Filter # <u>3</u>
W1 <u>.0880</u>	PW1 <u>.0880</u>	PW1 <u>.0869</u>
W2 <u>.0880</u>	PW2 <u>.0879</u>	PW2 <u>.0869</u>
W <u>.0880</u>	IW <u>.0879</u>	IW <u>.0868</u>
W1 <u>.0893</u>	FW1 <u>.0893</u>	FW1 <u>.0882</u>
W2 <u>.0893</u>	FW2 <u>.0893</u>	FW2 <u>.0882</u>
IW <u>13</u>	NW <u>14</u>	NW <u>14</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
SS mg/L <u>13</u>	TSS mg/L <u>14</u>	TSS mg/L <u>14</u>
Initial Calibration <u>19.9996</u>		

14 AV ✓

E2 Solids In Date 1-28-21 Time 7:42 Technician Phillips

E2 Initial Calibration 19.9996

Solids Out Date 1-28-21 Time 11:12 Technician Phillips

Oven temp at start 104 Oven temp at finish 104

Filter # <u>8</u>	Filter # <u>9</u>	Filter # <u>10</u>
W1 <u>.0878</u>	PW1 <u>.0872</u>	PW1 <u>.0874</u>
W2 <u>.0878</u>	PW2 <u>.0872</u>	PW2 <u>.0874</u>
W <u>.0878</u>	IW <u>.0872</u>	IW <u>.0874</u>
W1 <u>.0887</u>	FW1 <u>.0882</u>	FW1 <u>.0884</u>
W2 <u>.0887</u>	FW2 <u>.0881</u>	FW2 <u>.0884</u>
IW <u>9</u>	NW <u>10</u>	NW <u>10</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
SS mg/L <u>9</u>	TSS mg/L <u>10</u>	TSS mg/L <u>10</u>
Initial Calibration <u>19.9994</u>		

10 AV ✓

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
and/or
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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 1-29-21

Sample Date: 1-28-21

Solids In Date 1-29-21 Time 7:25 Technician Phillips

2 Initial Calibration 19.9996

Solids Out Date 1-29-21 Time 10:15 Technician Phillips

Oven temp at start 104 Oven temp at finish 104

Filter # <u>11</u>	Filter # <u>12</u>	Filter # <u>13</u>
W1 <u>.0890</u>	PW1 <u>.0877</u>	PW1 <u>.0864</u>
W2 <u>.0890</u>	PW2 <u>.0876</u>	PW2 <u>.0864</u>
IW <u>.0889</u>	IW <u>.0876</u>	IW <u>.0864</u>
W1 <u>.0898</u>	FW1 <u>.0886</u>	FW1 <u>.0873</u>
W2 <u>.0898</u>	FW2 <u>.0885</u>	FW2 <u>.0873</u>
IW <u>9</u>	NW <u>10</u>	NW <u>9</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
SS mg/L <u>9</u>	TSS mg/L <u>10</u>	TSS mg/L <u>9</u>

Initial Calibration 19.9996

9 AW

Solids In Date _____ Time _____ Technician _____

3 Initial Calibration _____

Solids Out Date _____ Time _____ Technician _____

Oven temp at start _____ Oven temp at finish _____

Filter # _____	Filter # _____	Filter # _____
W1 _____	PW1 _____	PW1 _____
W2 _____	PW2 _____	PW2 _____
IW _____	IW _____	IW _____
W1 _____	FW1 _____	FW1 _____
W2 _____	FW2 _____	FW2 _____
IW _____	NW _____	NW _____
Sample Volume _____	Sample Volume _____	Sample Volume _____
SS mg/L _____	TSS mg/L _____	TSS mg/L _____

Initial Calibration _____

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

Georgia Pacific Crossett Paper Operatio
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Methodology Follows Standard Methods 22nd Edition
and/or
NPCES Permit #AR0001210
Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 2-3-21/2-4-21

Sample Date: 2-2-21/2-3-21

Solids In Date 2-3-21 Time 7:24 Technician Phillips

Initial Calibration 19.9996

Solids Out Date 2-3-21 Time 12:18 Technician Phillips

Oven temp at start 105 Oven temp at finish 105

Filter # <u>1</u>	Filter # <u>2</u>	Filter # <u>3</u>
W1 <u>.0860</u>	PW1 <u>.0871</u>	PW1 <u>.0857</u>
W2 <u>.0860</u>	PW2 <u>.0871</u>	PW2 <u>.0858</u>
W <u>.0860</u>	IW <u>.0871</u>	IW <u>.0858</u>
W1 <u>.0876</u>	FW1 <u>.0885</u>	FW1 <u>.0875</u>
W2 <u>.0876</u>	FW2 <u>.0885</u>	FW2 <u>.0874</u>
IW <u>16</u>	NW <u>14</u>	NW <u>17</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
SS mg/L <u>16</u>	TSS mg/L <u>14</u>	TSS mg/L <u>17</u>
Final Calibration <u>19.9996</u>		

16 AV

E2 Solids In Date 2-4-21 Time 7:34 Technician Phillips

Sample date
2-3-21

Initial Calibration 19.9996

Solids Out Date 2-4-21 Time 10:30 Technician Phillips

Oven temp at start 104 Oven temp at finish 105

Filter # <u>8</u>	Filter # <u>9</u>	Filter # <u>10</u>
W1 <u>.0864</u>	PW1 <u>.0870</u>	PW1 <u>.0866</u>
W2 <u>.0864</u>	PW2 <u>.0870</u>	PW2 <u>.0866</u>
W <u>.0864</u>	IW <u>.0870</u>	IW <u>.0866</u>
W1 <u>.0882</u>	FW1 <u>.0888</u>	FW1 <u>.0884</u>
W2 <u>.0882</u>	FW2 <u>.0888</u>	FW2 <u>.0884</u>
IW <u>18</u>	NW <u>18</u>	NW <u>18</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
SS mg/L <u>18</u>	TSS mg/L <u>18</u>	TSS mg/L <u>18</u>
Final Calibration <u>19.9996</u>		

18 AV

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 2-5-21

Sample Date: 2-4-21

Solids In Date 2-5-21 Time 7:14 Technician Phillips

2 Initial Calibration 19.9996
Solids Out Date 2-5-21 Time 10:28 Technician Phillips

Oven temp at start 105 Oven temp at finish 105

Filter # <u>11</u>	Filter # <u>12</u>	Filter # <u>13</u>
W1 <u>,0865</u>	PW1 <u>,0878</u>	PW1 <u>,0866</u>
W2 <u>,0865</u>	PW2 <u>,0878</u>	PW2 <u>,0866</u>
W <u>,0864</u>	IW <u>,0878</u>	IW <u>,0866</u>
W1 <u>,0878</u>	FW1 <u>,0892</u>	FW1 <u>,0881</u>
W2 <u>,0878</u>	FW2 <u>,0892</u>	FW2 <u>,0881</u>
IW <u>14</u>	NW <u>14</u>	NW <u>15</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
SS mg/L <u>14</u>	TSS mg/L <u>14</u>	TSS mg/L <u>15</u>

Initial Calibration 19.9996

14 AV

Solids In Date _____ Time _____ Technician _____

3 Initial Calibration _____

Solids Out Date _____ Time _____ Technician _____

Oven temp at start _____ Oven temp at finish _____

Filter # _____	Filter # _____	Filter # _____
W1 _____	PW1 _____	PW1 _____
W2 _____	PW2 _____	PW2 _____
W _____	IW _____	IW _____
W1 _____	FW1 _____	FW1 _____
W2 _____	FW2 _____	FW2 _____
IW _____	NW _____	NW _____
Sample Volume _____	Sample Volume _____	Sample Volume _____
SS mg/L _____	TSS mg/L _____	TSS mg/L _____

Initial Calibration _____

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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Methodology Follows Standard Methods 22nd Edition
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NPDES Permit #AR0001210
Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 2-10-21

Sample Date: 2-09-21

Solids In Date 2-10-21 Time 7:56am Technician Jordan

Initial Calibration 19.9996

Solids Out Date 2-10-21 Time 11:53am Technician Jordan

Oven temp at start 104° Oven temp at finish 104°

Filter # <u>1</u>	Filter # <u>2</u>	Filter # <u>3</u>
W1 <u>.0874</u>	PW1 <u>.0859</u>	PW1 <u>.0866</u>
W2 <u>.0872</u>	PW2 <u>.0859</u>	PW2 <u>.0866</u>
W <u>.0872</u>	IW <u>.0858</u>	IW <u>.0865</u>
W1 <u>.0887</u>	FW1 <u>.0870</u>	FW1 <u>.0879</u>
W2 <u>.0887</u>	FW2 <u>.0870</u>	FW2 <u>.0879</u>

IW <u>15</u>	NW <u>12</u>	NW <u>14</u>
Sample Volume <u>100ml</u>	Sample Volume <u>100ml</u>	Sample Volume <u>100ml</u>

SS mg/L <u>15</u>	TSS mg/L <u>12</u>	TSS mg/L <u>14</u>
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Final Calibration 19.9996 (14 Avg)

Solids In Date 2-11-21 Time 7:51am Technician Jordan

Initial Calibration 19.9996

Solids Out Date 2-11-21 Time 11:34 Technician Jordan

Oven temp at start 104° Oven temp at finish 104°

Filter # <u>4</u>	Filter # <u>5</u>	Filter # <u>6</u>
W1 <u>.0866</u>	PW1 <u>.0855</u>	PW1 <u>.0859</u>
W2 <u>.0865</u>	PW2 <u>.0854</u>	PW2 <u>.0858</u>
W <u>.0865</u>	IW <u>.0856</u>	IW <u>.0858</u>
W1 <u>.0879</u>	FW1 <u>.0866</u>	FW1 <u>.0868</u>
W2 <u>.0874</u>	FW2 <u>.0866</u>	FW2 <u>.0869</u>

IW <u>9</u>	NW <u>10</u>	NW <u>10</u>
Sample Volume <u>100ml</u>	Sample Volume <u>100ml</u>	Sample Volume <u>100ml</u>

SS mg/L <u>9</u>	TSS mg/L <u>10</u>	TSS mg/L <u>10</u>
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Final Calibration 19.9996 (10 Avg)

Sample
DATE
2-10-21

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 2-12-21

Sample Date: 2-11-21

Solids In Date 2-12-21 Time 7:44 AM Technician Jordan

Initial Calibration 19.9996

Solids Out Date 2-12-21 Time 11:01 AM Technician Jordan

Oven temp at start 104° Oven temp at finish 104°

Filter # <u>7</u>	Filter # <u>8</u>	Filter # <u>9</u>
W1 <u>.0871</u>	PW1 <u>.0862</u>	PW1 <u>.0878</u>
W2 <u>.0871</u>	PW2 <u>.0863</u>	PW2 <u>.0879</u>
W <u>.0871</u>	IW <u>.0864</u>	IW <u>.0877</u>
W1 <u>.0882</u>	FW1 <u>.0875</u>	FW1 <u>.0891</u>
W2 <u>.0882</u>	FW2 <u>.0879</u>	FW2 <u>.0892</u>
IW <u>9</u>	NW <u>11</u>	NW <u>12</u>
Sample Volume <u>100 mL</u>	Sample Volume <u>100 mL</u>	Sample Volume <u>100 mL</u>
SS mg/L <u>9</u>	TSS mg/L <u>11</u>	TSS mg/L <u>12</u>

Initial Calibration 19.9996

(11 Avg)

Solids In Date _____ Time _____ Technician _____

Initial Calibration _____

Solids Out Date _____ Time _____ Technician _____

Oven temp at start _____ Oven temp at finish LOO DEB

Filter # _____	Filter # _____	Filter # _____
W1 _____	PW1 _____	PW1 _____
W2 _____	PW2 _____	PW2 _____
W _____	IW _____	IW _____
W1 _____	FW1 _____	FW1 _____
W2 _____	FW2 _____	FW2 _____
IW _____	NW _____	NW _____
Sample Volume _____	Sample Volume _____	Sample Volume _____
SS mg/L _____	TSS mg/L _____	TSS mg/L _____

Initial Calibration _____

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 2-17-21 / 2-18-21

Sample Date: 2-16-21 / 2-17-21

Solids In Date 2-17-21 Time 7:34 Am Technician C. Lewis

E2 Initial Calibration 19.9996

Solids Out Date 2-17-21 Time 10:30 Am Technician Lewis

Oven temp at start 104° Oven temp at finish 104°

Filter # <u>1</u>	Filter # <u>2</u>	Filter # <u>3</u>
W1 <u>.0868</u>	PW1 <u>.0874</u>	PW1 <u>.0866</u>
W2 <u>.0868</u>	PW2 <u>.0874</u>	PW2 <u>.0865</u>
W <u>.0867</u>	IW <u>.0874</u>	IW <u>.0866</u>
W1 <u>.0883</u>	FW1 <u>.0870</u>	FW1 <u>.0882</u>
W2 <u>.0883</u>	FW2 <u>.0889</u>	FW2 <u>.0888</u>
IW <u>16</u>	NW <u>16</u>	NW <u>16</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
SS mg/L <u>16</u>	TSS mg/L <u>16</u>	TSS mg/L <u>16</u>

Final Calibration 19.9996

AVG. 16

E2 Solids In Date 2-18-21 Time 11:20 Am Technician Phillips

E2 Initial Calibration 19.9996

Solids Out Date 2-18-21 Time 2:00 pm Technician Phillips

Oven temp at start 104 Oven temp at finish 104

Filter # <u>4</u>	Filter # <u>5</u>	Filter # <u>6</u>
W1 <u>.0878</u>	PW1 <u>.0854</u>	PW1 <u>.0870</u>
W2 <u>.0878</u>	PW2 <u>.0854</u>	PW2 <u>.0870</u>
W <u>.0878</u>	IW <u>.0854</u>	IW <u>.0870</u>
W1 <u>.0906</u>	FW1 <u>.0882</u>	FW1 <u>.0898</u>
W2 <u>.0906</u>	FW2 <u>.0882</u>	FW2 <u>.0898</u>
IW <u>28</u>	NW <u>28</u>	NW <u>28</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
SS mg/L <u>28</u>	TSS mg/L <u>28</u>	TSS mg/L <u>28</u>

Final Calibration 19.9996

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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Methodology Follows Standard Methods 22nd Edition
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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids (Worksheet)

Today's Date: 2-19-21

Sample Date: 2-18-21

Solids In Date 2-19-21 Time 8:44 AM Technician Phillips

2 Initial Calibration 19.9996

Solids Out Date 2-19-21 Time 1:00 pm Technician Phillips

Oven temp at start 104 Oven temp at finish 104

Filter #	<u>7</u>	Filter #	<u>8</u>	Filter #	<u>9</u>
W1	<u>.0865</u>	PW1	<u>.0874</u>	PW1	<u>.0891</u>
W2	<u>.0264</u>	PW2	<u>.0873</u>	PW2	<u>.0891</u>
V	<u>.0864</u>	IW	<u>.0893</u>	IW	<u>.0891</u>
N1	<u>.0881</u>	FW1	<u>.0913</u>	FW1	<u>.0912</u>
N2	<u>.0881</u>	FW2	<u>.0913</u>	FW2	<u>.0911</u>

W	<u>17</u>	NW	<u>20</u>	NW	<u>21</u>
Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>

TSS mg/L	<u>17</u>	TSS mg/L	<u>20</u>	TSS mg/L	<u>21</u>
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Final Calibration 19.9996

19AV

Solids In Date _____ Time _____ Technician _____

3 Initial Calibration 1

Solids Out Date _____ Time _____ Technician _____

FLOODED

Oven temp at start _____ Oven temp at finish _____

Filter #	_____	Filter #	_____	Filter #	_____
W1	_____	PW1	_____	PW1	_____
W2	_____	PW2	_____	PW2	_____
V	_____	IW	_____	IW	_____
V1	_____	FW1	_____	FW1	_____
V2	_____	FW2	_____	FW2	_____

W	_____	NW	_____	NW	_____
Sample Volume	_____	Sample Volume	_____	Sample Volume	_____

TSS mg/L	_____	TSS mg/L	_____	TSS mg/L	_____
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Final Calibration _____

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

Georgia Pacific Crossett Paper Operatic
100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 2.24.21

Sample Date: 2.23.21

Solids In Date 2.24.21 Time 7:43 AM Technician Jordan

Initial Calibration 19.9996

Solids Out Date 2.24.21 Time 11:00 AM Technician Jordan

Oven temp at start 105° Oven temp at finish 105°

Iter #	Filter #	Filter #	
W1	<u>.0898</u>	<u>.0897</u>	Filter # <u>3</u>
W2	<u>.0898</u>	<u>.0896</u>	PW1 <u>.0892</u>
			PW2 <u>.0892</u>
V	<u>.0898</u>	IW <u>.0897</u>	IW <u>.0893</u>
N1	<u>.0912</u>	FW1 <u>.0912</u>	FW1 <u>.0907</u>
N2	<u>.0913</u>	FW2 <u>.0912</u>	FW2 <u>.0908</u>
W	<u>14</u>	NW <u>15</u>	NW <u>14</u>
Sample Volume	<u>100ml</u>	Sample Volume <u>100ml</u>	Sample Volume <u>100ml</u>
TSS mg/L	<u>14</u>	TSS mg/L <u>15</u>	TSS mg/L <u>14</u>
Initial Calibration	<u>19.9996</u>		(14 Avg)

Solids In Date 2.25.21 Time 7:38 AM Technician Jordan

Initial Calibration 19.9996

Solids Out Date 2.25.21 Time 12:40 pm Technician Jordan

Oven temp at start 105° Oven temp at finish 105

Iter #	Filter #	Filter #	
W1	<u>.0884</u>	<u>.0887</u>	Filter # <u>6</u>
W2	<u>.0884</u>	<u>.0886</u>	PW1 <u>.0870</u>
			PW2 <u>.0871</u>
V	<u>.0884</u>	IW <u>.0888</u>	IW <u>.0870</u>
N1	<u>.0894</u>	FW1 <u>.0906</u>	FW1 <u>.0880</u>
N2	<u>.0893</u>	FW2 <u>.0906</u>	FW2 <u>.0880</u>
W	<u>10</u>	NW <u>8</u>	NW <u>10</u>
Sample Volume	<u>100ml</u>	Sample Volume <u>100ml</u>	Sample Volume <u>100ml</u>
TSS mg/L	<u>10</u>	TSS mg/L <u>8</u>	TSS mg/L <u>10</u>
Initial Calibration	<u>19.9995</u>		(9 Avg)

Sample Date
2.24.21

Comments: Solids In/Solids Out are start time and stop time Inclusive of multiple drying and desiccating.

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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 2.26.21

Sample Date: 2.25.21

Solids In Date 2.26.21 Time 7:36 Am Technician Jordan

Initial Calibration 19.9996

Solids Out Date 2.26.21 Time 10:20 am Technician Jordan

Oven temp at start 104° Oven temp at finish 104°

Iter #	Filter #	Filter #
W1	<u>.0887</u>	<u>.0873</u>
W2	<u>.0887</u>	<u>.0873</u>
V	<u>.0887</u>	<u>.0874</u>
V1	<u>.0913</u>	<u>.0889</u>
V2	<u>.0912</u>	<u>.0889</u>
W	<u>16</u>	<u>15</u>
Sample Volume	<u>100 mL</u>	<u>100 mL</u>
SS mg/L	<u>16</u>	<u>15</u>
TSS mg/L	<u>15</u>	<u>15</u>

Final Calibration 19.9995

(15 Avg.)

Solids In Date 2.25.21 Time 7:50 AM Technician Jordan

Initial Calibration 19.9996

Solids Out Date 2.25.21 Time 12:20 Technician Jordan

Oven temp at start 105° Oven temp at finish 105°

Iter #	Filter #	Filter #
V1	<u>.0865</u>	<u>.0871</u>
V2	<u>.0865</u>	<u>.0870</u>
V	<u>.0865</u>	<u>.0870</u>
V1	<u>.1023</u>	<u>.1025</u>
V2	<u>.1022</u>	<u>.1025</u>
W	<u>15.8</u>	<u>15.5</u>
Sample Volume	<u>250 mL</u>	<u>250 mL</u>
SS mg/L	<u>63.2</u>	<u>62</u>
TSS mg/L	<u>62</u>	<u>62</u>

Final Calibration 19.9996

Avg. 62.6

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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100 Mill Supply Road, Crossett, AR 71635

Suspended Solids Worksheet

Methodology Follows Standard Methods 22nd Edition
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Method 2540D Total Suspended Solids Dried at 103-105C

Today's Date: 3-3-21

Sample Date: 3-2-21

Solids In Date 3-3-21 Time 8:07 AM Technician Jordan

2 Initial Calibration 19.9996

Solids Out Date 3-3-21 Time 11:24 AM Technician Jordan

Oven temp at start 104° Oven temp at finish 105°

Iter #	Filter #	PW1	PW2	IW	FW1	FW2	NW	Sample Volume	TSS mg/L
W1	<u>1</u>	<u>.0884</u>	<u>.0884</u>	<u>.0882</u>	<u>.0887</u>	<u>.0888</u>	<u>5</u>	<u>100ml</u>	<u>6</u>
W2	<u>2</u>	<u>.0884</u>	<u>.0884</u>	<u>.0882</u>	<u>.0887</u>	<u>.0888</u>	<u>5</u>	<u>100ml</u>	<u>5</u>
V	<u>3</u>	<u>.0884</u>	<u>.0884</u>	<u>.0882</u>	<u>.0887</u>	<u>.0888</u>	<u>6</u>	<u>100ml</u>	<u>6</u>
N1	<u>1</u>	<u>.0884</u>	<u>.0884</u>	<u>.0882</u>	<u>.0887</u>	<u>.0888</u>	<u>5</u>	<u>100ml</u>	<u>5</u>
N2	<u>2</u>	<u>.0884</u>	<u>.0884</u>	<u>.0882</u>	<u>.0887</u>	<u>.0888</u>	<u>5</u>	<u>100ml</u>	<u>5</u>
W	<u>6</u>	<u>.0884</u>	<u>.0884</u>	<u>.0882</u>	<u>.0887</u>	<u>.0888</u>	<u>5</u>	<u>100ml</u>	<u>6</u>

Final Calibration 19.9995 (6 Avg.)

Solids In Date 3-4-21 Time 8:07 AM Technician Jordan

3 Initial Calibration 19.9996

Solids Out Date 3-4-21 Time 11:19 AM Technician Jordan

Oven temp at start 104° Oven temp at finish 104°

Iter #	Filter #	PW1	PW2	IW	FW1	FW2	NW	Sample Volume	TSS mg/L
N1	<u>8</u>	<u>.0887</u>	<u>.0887</u>	<u>.0873</u>	<u>.0882</u>	<u>.0882</u>	<u>9</u>	<u>100ml</u>	<u>10</u>
N2	<u>9</u>	<u>.0887</u>	<u>.0887</u>	<u>.0873</u>	<u>.0882</u>	<u>.0882</u>	<u>9</u>	<u>100ml</u>	<u>9</u>
V	<u>10</u>	<u>.0887</u>	<u>.0887</u>	<u>.0873</u>	<u>.0882</u>	<u>.0882</u>	<u>8</u>	<u>100ml</u>	<u>8</u>
N1	<u>1</u>	<u>.0887</u>	<u>.0887</u>	<u>.0873</u>	<u>.0882</u>	<u>.0882</u>	<u>9</u>	<u>100ml</u>	<u>10</u>
N2	<u>2</u>	<u>.0887</u>	<u>.0887</u>	<u>.0873</u>	<u>.0882</u>	<u>.0882</u>	<u>9</u>	<u>100ml</u>	<u>9</u>
W	<u>10</u>	<u>.0887</u>	<u>.0887</u>	<u>.0873</u>	<u>.0882</u>	<u>.0882</u>	<u>8</u>	<u>100ml</u>	<u>8</u>

Final Calibration 19.9995 (9 Avg.)

Sample Date
3-3-21

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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Methodology Follows Standard Methods 22nd Edition
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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 3-5-21

Sample Date: 3-4-21

Solids In Date 3-5-21 Time 8:04am Technician Jordan

2 Initial Calibration 19.9996

Solids Out Date 3-5-21 Time 11:39am Technician Jordan

Oven temp at start 105° Oven temp at finish 105°

Filter #	Filter #	Filter #
W1 <u>10886</u>	PW1 <u>10865</u>	PW1 <u>10870</u>
W2 <u>10885</u>	PW2 <u>10865</u>	PW2 <u>10870</u>
V <u>10885</u>	IW <u>10865</u>	IW <u>10867</u>
V1 <u>10894</u>	FW1 <u>10873</u>	FW1 <u>10876</u>
V2 <u>10894</u>	FW2 <u>10873</u>	FW2 <u>10876</u>

W 9 NW 8 NW 9
Sample Volume 100ml Sample Volume 100ml Sample Volume 100ml

SS mg/L 9 TSS mg/L 8 TSS mg/L 9

Final Calibration 19.9996 (9 Avg.)

Solids In Date _____ Time _____ Technician _____

3 Initial Calibration _____

Solids Out Date _____ Time _____ Technician _____

Oven temp at start _____ Oven temp at finish _____

Filter #	Filter #	Filter #
V1 _____	PW1 _____	PW1 _____
V2 _____	PW2 _____	PW2 _____
V _____	IW _____	IW _____
V1 _____	FW1 _____	FW1 _____
V2 _____	FW2 _____	FW2 _____

W _____ NW _____ NW _____
Sample Volume _____ Sample Volume _____ Sample Volume _____

SS mg/L _____ TSS mg/L _____ TSS mg/L _____

Final Calibration _____

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

Georgia Pacific Crossett Paper Operati
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Methodology Follows Standard Methods 22nd Edition
and/or
NPCES Permit #AR0001210
Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 3-10-21

Sample Date: 3-09-21

Solids In Date 3-10-21 Time 7:46 AM Technician Jordan

2 Initial Calibration 19.9996

Solids Out Date 3-10-21 Time 11:25 AM Technician Jordan

Oven temp at start 105° Oven temp at finish 105°

Iter #	Filter #	Filter #	Filter #
W1	<u>.0879</u>	PW1 <u>.0872</u>	PW1 <u>.0870</u>
W2	<u>.0879</u>	PW2 <u>.0872</u>	PW2 <u>.0871</u>
V	<u>.0879</u>	IW <u>.0872</u>	IW <u>.0872</u>
N1	<u>.0886</u>	FW1 <u>.0879</u>	FW1 <u>.0879</u>
N2	<u>.0886</u>	FW2 <u>.0879</u>	FW2 <u>.0878</u>
W	<u>7</u>	NW <u>7</u>	NW <u>7</u>
Sample Volume	<u>100ml</u>	Sample Volume <u>100ml</u>	Sample Volume <u>100ml</u>
SS mg/L	<u>7</u>	TSS mg/L <u>7</u>	TSS mg/L <u>7</u>

Final Calibration 19.9995 (7 Avg.)

Solids In Date 3-11-21 Time 7:40 AM Technician Jordan

3 Initial Calibration 19.9996

Solids Out Date 3-11-21 Time 11:01 AM Technician Jordan

Oven temp at start 104° Oven temp at finish 104°

Iter #	Filter #	Filter #	Filter #
N1	<u>.0881</u>	PW1 <u>.0872</u>	PW1 <u>.0894</u>
N2	<u>.0882</u>	PW2 <u>.0874</u>	PW2 <u>.0894</u>
V	<u>.0882</u>	IW <u>.0875</u>	IW <u>.0894</u>
V1	<u>.0889</u>	FW1 <u>.0880</u>	FW1 <u>.0899</u>
V2	<u>.0889</u>	FW2 <u>.0880</u>	FW2 <u>.0898</u>
N	<u>7</u>	NW <u>5</u>	NW <u>5</u>
Sample Volume	<u>100ml</u>	Sample Volume <u>100ml</u>	Sample Volume <u>100ml</u>
SS mg/L	<u>7</u>	TSS mg/L <u>5</u>	TSS mg/L <u>5</u>

Final Calibration 19.9995 (6 Avg.)

Sample
Date
3-10-21

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

Georgia Pacific Crossett Paper Operatio
100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 3-12-21

Sample Date: 3-11-21

Solids In Date 3-12-21 Time 7:39am Technician Jordan

2 Initial Calibration 19.9996

Solids Out Date 3-12-21 Time 10:20am Technician Jordan

Oven temp at start 104° Oven temp at finish 104°

Iter #	<u>7</u>	Filter #	<u>8</u>	Filter #	<u>9</u>
W1	<u>.0891</u>	PW1	<u>.0885</u>	PW1	<u>.0888</u>
W2	<u>.0891</u>	PW2	<u>.0885</u>	PW2	<u>.0887</u>
V	<u>.0891</u>	IW	<u>.0886</u>	IW	<u>.0889</u>
N1	<u>.0897</u>	FW1	<u>.0892</u>	FW1	<u>.0896</u>
N2	<u>.0898</u>	FW2	<u>.0892</u>	FW2	<u>.0896</u>
W	<u>6</u>	NW	<u>6</u>	NW	<u>7</u>
Sample Volume	<u>100ml</u>	Sample Volume	<u>100ml</u>	Sample Volume	<u>100ml</u>
SS mg/L	<u>6</u>	TSS mg/L	<u>6</u>	TSS mg/L	<u>7</u>
Final Calibration	<u>19.9995</u>				<u>(6 Avg.)</u>

Solids In Date _____ Time _____ Technician _____

3 Initial Calibration _____

Solids Out Date _____ Time FLOODED Technician _____

Oven temp at start _____ Oven temp at finish _____

Iter #	_____	Filter #	_____	Filter #	_____
W1	_____	PW1	_____	PW1	_____
W2	_____	PW2	_____	PW2	_____
I	_____	IW	_____	IW	_____
V1	_____	FW1	_____	FW1	_____
V2	_____	FW2	_____	FW2	_____
N	_____	NW	_____	NW	_____
Sample Volume	_____	Sample Volume	_____	Sample Volume	_____
SS mg/L	_____	TSS mg/L	_____	TSS mg/L	_____
Final Calibration	_____				

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 3-17-21

Sample Date: 3-16-21

Solids In Date 3-17-21 Time 7:08 Technician Jordan

2 Initial Calibration 19.9995

Solids Out Date 3-17-21 Time 10:28 Technician Jordan

Oven temp at start 104 Oven temp at finish 104

Filter #	<u>1</u>	Filter #	<u>2</u>	Filter #	<u>3</u>
W1	<u>.0886</u>	PW1	<u>.0893</u>	PW1	<u>.0874</u>
W2	<u>.0886</u>	PW2	<u>.0892</u>	PW2	<u>.0875</u>
V	<u>.0886</u>	IW	<u>.0892</u>	IW	<u>.0875</u>
N1	<u>.0889</u>	FW1	<u>.0894</u>	FW1	<u>.0876</u>
N2	<u>.0888</u>	FW2	<u>.0894</u>	FW2	<u>.0876</u>
W	<u>3</u>	NW	<u>2</u>	NW	<u>1</u>
Sample Volume	<u>1000</u>	Sample Volume	<u>100ml</u>	Sample Volume	<u>100ml</u>
SS mg/L	<u>3</u>	TSS mg/L	<u>2</u>	TSS mg/L	<u>1</u>

Final Calibration 19.9996

2 AV

Solids In Date 3-18-21 Time 7:02 Technician Phillips

2 Initial Calibration 19.9995

Solids Out Date 3-18-21 Time 10:37 Technician Phillips

Oven temp at start 105 Oven temp at finish 105

Filter #	<u>4</u>	Filter #	<u>5</u>	Filter #	<u>6</u>
W1	<u>.0880</u>	PW1	<u>.0885</u>	PW1	<u>.0870</u>
W2	<u>.0880</u>	PW2	<u>.0883</u>	PW2	<u>.0869</u>
V	<u>.0880</u>	IW	<u>.0883</u>	IW	<u>.0869</u>
N1	<u>.0883</u>	FW1	<u>.0885</u>	FW1	<u>.0871</u>
N2	<u>.0882</u>	FW2	<u>.0885</u>	FW2	<u>.0871</u>
W	<u>3</u>	NW	<u>2</u>	NW	<u>2</u>
Sample Volume	<u>100ml</u>	Sample Volume	<u>100ml</u>	Sample Volume	<u>100ml</u>
SS mg/L	<u>3</u>	TSS mg/L	<u>2</u>	TSS mg/L	<u>2</u>

Final Calibration 19.9996

2 AV

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 3-19-21

Sample Date: 3-18-21

Solids In Date 3-19-21 Time 6:57 Technician Phillips

2 Initial Calibration 19.9995

Solids Out Date 3-19-21 Time 10:37 Technician Phillips

Oven temp at start 104 Oven temp at finish 104

Filter #	<u>7</u>	Filter #	<u>8</u>	Filter #	<u>9</u>
W1	<u>.0865</u>	PW1	<u>.0871</u>	PW1	<u>.0874</u>
W2	<u>.0865</u>	PW2	<u>.0871</u>	PW2	<u>.0874</u>
V	<u>.0865</u>	IW	<u>.10870</u>	IW	<u>.10874</u>
N1	<u>.0868</u>	FW1	<u>.10873</u>	FW1	<u>.10876</u>
N2	<u>.0868</u>	FW2	<u>.10874</u>	FW2	<u>.10876</u>
W	<u>3</u>	NW	<u>3</u>	NW	<u>2</u>
Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>
SS mg/L	<u>3</u>	TSS mg/L	<u>3</u>	TSS mg/L	<u>2</u>

Final Calibration 19.9995

3 AV

Solids In Date _____ Time _____ Technician _____

3 Initial Calibration _____

Solids Out Date _____ Time FLOODED Technician _____

Oven temp at start _____ Oven temp at finish _____

Filter #	_____	Filter #	_____	Filter #	_____
V1	_____	PW1	_____	PW1	_____
V2	_____	PW2	_____	PW2	_____
I	_____	IW	_____	IW	_____
v1	_____	FW1	_____	FW1	_____
v2	_____	FW2	_____	FW2	_____
V	_____	NW	_____	NW	_____
Sample Volume	_____	Sample Volume	_____	Sample Volume	_____
SS mg/L	_____	TSS mg/L	_____	TSS mg/L	_____

Final Calibration _____

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 3-24-21

Sample Date: 3-23-21

Solids In Date 3-24-21 Time 7:07 Technician Phillips

Initial Calibration 19.9996

Solids Out Date 3-24-21 Time 10:18 Technician Phillips

Oven temp at start 105 Oven temp at finish 105

Filter #	Filter #	Filter #
W1 <u>10885</u>	PW1 <u>10882</u>	PW1 <u>10885</u>
W2 <u>10885</u>	PW2 <u>10882</u>	PW2 <u>10884</u>
V <u>10884</u>	IW <u>10882</u>	IW <u>10884</u>
N1 <u>10888</u>	FW1 <u>10886</u>	FW1 <u>10889</u>
N2 <u>10888</u>	FW2 <u>10886</u>	FW2 <u>10889</u>
W <u>4</u>	NW <u>4</u>	NW <u>5</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
SS mg/L <u>4</u>	TSS mg/L <u>4</u>	TSS mg/L <u>5</u>

Final Calibration 19.9996

YAV

Solids In Date 3-25-21 Time 7:28 Technician Phillips

Initial Calibration 19.9996

Solids Out Date 3-25-21 Time 11:00 Technician Phillips

Oven temp at start 104 Oven temp at finish _____

Filter #	Filter #	Filter #
W1 <u>10888</u>	PW1 <u>10891</u>	PW1 <u>10883</u>
W2 <u>10887</u>	PW2 <u>10890</u>	PW2 <u>10883</u>
V <u>10887</u>	IW <u>10890</u>	IW <u>10883</u>
V1 <u>10891</u>	FW1 <u>10894</u>	FW1 <u>10887</u>
V2 <u>10891</u>	FW2 <u>10894</u>	FW2 <u>10887</u>
W <u>4</u>	NW <u>4</u>	NW <u>4</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
SS mg/L <u>4</u>	TSS mg/L <u>4</u>	TSS mg/L <u>4</u>

Final Calibration 19.9996

YAV

Georgia Pacific Crossett Paper Operatio
100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 3-26-21

Sample Date: 3-25-21

Solids In Date 3-26-21 Time 7:11 Technician Phillips

2 Initial Calibration 19.9996

Solids Out Date 3-26-21 Time 10:00 Technician Phillips

Oven temp at start 105 Oven temp at finish 105

Iter #	<u>13</u>	Filter #	<u>14</u>	Filter #	<u>15</u>
W1	<u>.0882</u>	PW1	<u>.0877</u>	PW1	<u>.0891</u>
W2	<u>.0881</u>	PW2	<u>.0877</u>	PW2	<u>.0891</u>
V	<u>.0881</u>	IW	<u>.0877</u>	IW	<u>.0891</u>
N1	<u>.0886</u>	FW1	<u>.0886</u>	FW1	<u>.0894</u>
N2	<u>.0886</u>	FW2	<u>.0885</u>	FW2	<u>.0894</u>
W	<u>5</u>	NW	<u>9</u>	NW	<u>3</u>
Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>
SS mg/L	<u>5</u>	TSS mg/L	<u>9</u>	TSS mg/L	<u>3</u>

Final Calibration 19.9996

(LOAV)

Solids In Date _____ Time _____ Technician _____

3 Initial Calibration _____

Solids Out Date _____ Time _____ Technician _____

Oven temp at start _____ Oven temp at finish _____

Iter #	_____	Filter #	_____	Filter #	_____
N1	_____	PW1	_____	PW1	_____
N2	_____	PW2	_____	PW2	_____
I	_____	IW	_____	IW	_____
V1	_____	FW1	_____	FW1	_____
V2	_____	FW2	_____	FW2	_____
N	_____	NW	_____	NW	_____
Sample Volume	_____	Sample Volume	_____	Sample Volume	_____
SS mg/L	_____	TSS mg/L	_____	TSS mg/L	_____

Final Calibration _____

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

Georgia Pacific Crossett Paper Operatio
100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 3-31-21 / 4-1-21

Sample Date: 3-30-21 / 3-31-21

Solids In Date 3-31-21 Time 7:20 Technician Phillips

Initial Calibration 19.9996

Solids Out Date 3-31-21 Time 10:27 Technician Phillips

Oven temp at start 105 Oven temp at finish 105

Filter #	<u>1</u>	Filter #	<u>2</u>	Filter #	<u>3</u>
W1	<u>.0885</u>	PW1	<u>.0892</u>	PW1	<u>.0885</u>
W2	<u>.0885</u>	PW2	<u>.0891</u>	PW2	<u>.0885</u>
V	<u>.0885</u>	IW	<u>.0891</u>	IW	<u>.0885</u>
N1	<u>.0892</u>	FW1	<u>.0898</u>	FW1	<u>.0890</u>
N2	<u>.0892</u>	FW2	<u>.0898</u>	FW2	<u>.0890</u>
W	<u>7</u>	NW	<u>7</u>	NW	<u>5</u>
Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>
TSS mg/L	<u>7</u>	TSS mg/L	<u>7</u>	TSS mg/L	<u>5</u>

Initial Calibration 19.9996

6 AV

Solids In Date 4-1-21 Time 7:17 Technician Phillips

sample date
3-31-21

Initial Calibration 19.9996

Solids Out Date 4-1-21 Time 10:20 Technician Phillips

Oven temp at start 104 Oven temp at finish 104

Filter #	<u>4</u>	Filter #	<u>5</u>	Filter #	<u>6</u>
W1	<u>.0884</u>	PW1	<u>.0875</u>	PW1	<u>.0867</u>
W2	<u>.0885</u>	PW2	<u>.0875</u>	PW2	<u>.0866</u>
V	<u>.0885</u>	IW	<u>.0875</u>	IW	<u>.0866</u>
N1	<u>.0890</u>	FW1	<u>.0881</u>	FW1	<u>.0872</u>
N2	<u>.0890</u>	FW2	<u>.0881</u>	FW2	<u>.0872</u>
W	<u>5</u>	NW	<u>6</u>	NW	<u>6</u>
Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>
TSS mg/L	<u>5</u>	TSS mg/L	<u>6</u>	TSS mg/L	<u>6</u>

Initial Calibration 19.9996

6 AV

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Sol. Worksheet

Today's Date: 4-2-21

Sample Date: 4-1-21

Solids In Date 4-2-21 Time 7:15 Technician Phillips

2 Initial Calibration 19.9996

Solids Out Date 4-2-21 Time 12:00 Technician Phillips

Oven temp at start 104 Oven temp at finish 105

Filter #	<u>11</u>	Filter #	<u>12</u>	Filter #	<u>13</u>
W1	<u>.0879</u>	PW1	<u>.0884</u>	PW1	<u>.0895</u>
W2		PW2	<u>.0884</u>	PW2	<u>.0899</u>
V	<u>.0879</u>	IW	<u>.0884</u>	IW	<u>.0894</u>
N1	<u>.0885</u>	FW1	<u>.0890</u>	FW1	<u>.0899</u>
N2	<u>.0885</u>	FW2	<u>.0890</u>	FW2	<u>.0899</u>

W	<u>6</u>	NW	<u>6</u>	NW	<u>5</u>
Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>

TSS mg/L	<u>6</u>	TSS mg/L	<u>6</u>	TSS mg/L	<u>5</u>
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Initial Calibration 19.9996

6 AV

Solids In Date _____ Time _____ Technician _____

3 Initial Calibration _____

Solids Out Date _____ Time _____ Technician _____

Oven temp at start _____ Oven temp at finish _____

Filter #	_____	Filter #	_____	Filter #	_____
W1	_____	PW1	_____	PW1	_____
W2	_____	PW2	_____	PW2	_____
V	_____	IW	_____	IW	_____
V1	_____	FW1	_____	FW1	_____
V2	_____	FW2	_____	FW2	_____

N	_____	NW	_____	NW	_____
Sample Volume	_____	Sample Volume	_____	Sample Volume	_____

TSS mg/L	_____	TSS mg/L	_____	TSS mg/L	_____
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Initial Calibration _____

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Sol. Worksheet

Today's Date: 4-7-21/4-8-21

Sample Date: 4-6-21/4-7-21

Solids In Date 4-7-21 Time 7:11 Technician Phillips

Initial Calibration 19.9996

Solids Out Date 4-7-21 Time 11:52 Technician Phillips

Oven temp at start 104 Oven temp at finish 104

Filter # <u>1</u>	Filter # <u>2</u>	Filter # <u>3</u>
W1 <u>.0883</u>	PW1 <u>.0899</u>	PW1 <u>.0898</u>
W2 <u>.0883</u>	PW2 <u>.0899</u>	PW2 <u>.0898</u>
V <u>.0883</u>	IW <u>.0899</u>	IW <u>.0898</u>
W1 <u>.0899</u>	FW1 <u>.0915</u>	FW1 <u>.0915</u>
W2 <u>.0899</u>	FW2 <u>.0915</u>	FW2 <u>.0915</u>
W <u>16</u>	NW <u>16</u>	NW <u>17</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
TSS mg/L <u>16</u>	TSS mg/L <u>16</u>	TSS mg/L <u>17</u>

Final Calibration 19.9996

16AV

Solids In Date 4-8-21 Time 7:14 Technician Phillips

Initial Calibration 19.9996

Solids Out Date 4-8-21 Time 10:30 Technician Phillips

Oven temp at start 104 Oven temp at finish 104

Filter # <u>8</u>	Filter # <u>9</u>	Filter # <u>10</u>
W1 <u>.0890</u>	PW1 <u>.0890</u>	PW1 <u>.0886</u>
W2 <u>.0890</u>	PW2 <u>.0890</u>	PW2 <u>.0886</u>
V <u>.0890</u>	IW <u>.0890</u>	IW <u>.0886</u>
W1 <u>.0904</u>	FW1 <u>.0904</u>	FW1 <u>.0900</u>
W2 <u>.0904</u>	FW2 <u>.0904</u>	FW2 <u>.0900</u>
W <u>14</u>	NW <u>14</u>	NW <u>14</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
TSS mg/L <u>14</u>	TSS mg/L <u>14</u>	TSS mg/L <u>14</u>

Final Calibration 19.9996

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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Sol. Worksheet

Today's Date: 4-9-21

Sample Date: 4-8-21

Solids In Date 4-9-21 Time 7:07 Technician Phillips

2 Initial Calibration 19.9996

Solids Out Date 4-9-21 Time 10:32 Technician Phillips

Oven temp at start 105 Oven temp at finish 105

Filter #	<u>11</u>	Filter #	<u>12</u>	Filter #	<u>13</u>
W1	<u>.0894</u>	PW1	<u>.0899</u>	PW1	<u>.0898</u>
W2	<u>.0894</u>	PW2	<u>.0899</u>	PW2	<u>.0898</u>

V	<u>.0894</u>	IW	<u>.0899</u>	IW	<u>.0898</u>
V1	<u>.0907</u>	FW1	<u>.0900</u>	FW1	<u>.0910</u>
V2	<u>.0906</u>	FW2	<u>.0910</u>	FW2	<u>.0910</u>

W	<u>13</u>	NW	<u>11</u>	NW	<u>12</u>
Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>

SS mg/L	<u>13</u>	TSS mg/L	<u>11</u>	TSS mg/L	<u>12</u>
---------	-----------	----------	-----------	----------	-----------

Final Calibration 19.9996

12AV

Solids In Date _____ Time _____ Technician _____

3 Initial Calibration _____

Solids Out Date _____ Time _____ Technician _____

Oven temp at start _____ Oven temp at finish _____

Filter #	_____	Filter #	_____	Filter #	_____
W1	_____	PW1	_____	PW1	_____
W2	_____	PW2	_____	PW2	_____

V	_____	IW	_____	IW	_____
V1	_____	FW1	_____	FW1	_____
V2	_____	FW2	_____	FW2	_____

W	_____	NW	_____	NW	_____
Sample Volume	_____	Sample Volume	_____	Sample Volume	_____

SS mg/L	_____	TSS mg/L	_____	TSS mg/L	_____
---------	-------	----------	-------	----------	-------

Final Calibration _____

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

Georgia Pacific Crossett Paper Operatio
100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
and/or
NPCES Permit #AR0001210
Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 4-14-21/4-15-21

Sample Date: 4-13-21/4-14-21

Solids In Date 4-14-21 Time 7:07 Technician Phillips

Initial Calibration 19.9996

Solids Out Date 4-14-21 Time 10:58 Technician Phillips

Oven temp at start 105 Oven temp at finish 105

Filter #	<u>1</u>	Filter #	<u>2</u>	Filter #	<u>3</u>
W1	<u>.0878</u>	PW1	<u>.0882</u>	PW1	<u>.0890</u>
W2	<u>.0878</u>	PW2	<u>.0882</u>	PW2	<u>.0889</u>
V	<u>.0878</u>	IW	<u>.0882</u>	IW	<u>.0889</u>
V1	<u>.0889</u>	FW1	<u>.0894</u>	FW1	<u>.0901</u>
V2	<u>.0889</u>	FW2	<u>.0893</u>	FW2	<u>.0901</u>
W	<u>11</u>	NW	<u>12</u>	NW	<u>12</u>
Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>
SS mg/L	<u>11</u>	TSS mg/L	<u>12</u>	TSS mg/L	<u>12</u>

Final Calibration 19.9996

12 AV

Solids In Date 4-15-21 Time 7:15 Technician Phillips

Initial Calibration 19.9996

Solids Out Date 4-15-21 Time 12:15 Technician Phillips

Oven temp at start 104 Oven temp at finish 104

Filter #	<u>8</u>	Filter #	<u>9</u>	Filter #	<u>10</u>
W1	<u>.0890</u>	PW1	<u>.0898</u>	PW1	<u>.0899</u>
W2	<u>.0889</u>	PW2	<u>.0898</u>	PW2	<u>.0899</u>
V	<u>.0889</u>	IW	<u>.0898</u>	IW	<u>.0899</u>
V1	<u>.0897</u>	FW1	<u>.0907</u>	FW1	<u>.0907</u>
V2	<u>.0897</u>	FW2	<u>.0907</u>	FW2	<u>.0907</u>
W	<u>8</u>	NW	<u>9</u>	NW	<u>8</u>
Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>
SS mg/L	<u>8</u>	TSS mg/L	<u>9</u>	TSS mg/L	<u>8</u>

Final Calibration 19.9996

8 AV

Georgia Pacific Crossett Paper Operati
100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
and/or
NPCES Permit #AR0001210
Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 4-16-21

Sample Date: 4-15-21

Solids In Date 4-16-21 Time 8:44 Am Technician Lewis

2 Initial Calibration 19.9996

Solids Out Date 4-16-21 Time 11:30 am Technician Lewis

Oven temp at start 102° Oven temp at finish 104°

Iter #	<u>13</u>	Filter #	<u>14</u>	Filter #	<u>15</u>
W1	<u>.0890</u>	PW1	<u>.0880</u>	PW1	<u>.0890</u>
W2	<u>.0890</u>	PW2	<u>.0881</u>	PW2	<u>.0890</u>
V	<u>.0890</u>	IW	<u>.0880</u>	IW	<u>.0890</u>
N1	<u>.0902</u>	FW1	<u>.0892</u>	FW1	<u>.0902</u>
N2	<u>.0902</u>	FW2	<u>.0892</u>	FW2	<u>.0902</u>
W	<u>12</u>	NW	<u>12</u>	NW	<u>12</u>
Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>
SS mg/L	<u>12</u>	TSS mg/L	<u>12</u>	TSS mg/L	<u>12</u>

Final Calibration 19.9996

Solids In Date _____ Time _____ Technician _____

3 Initial Calibration _____

Solids Out Date _____ Time _____ Technician _____

Oven temp at start _____ Oven temp at finish _____

Iter #	_____	Filter #	_____	Filter #	_____
W1	_____	PW1	_____	PW1	_____
W2	_____	PW2	_____	PW2	_____
V	_____	IW	_____	IW	_____
V1	_____	FW1	_____	FW1	_____
V2	_____	FW2	_____	FW2	_____
N	_____	NW	_____	NW	_____
Sample Volume	_____	Sample Volume	_____	Sample Volume	_____
SS mg/L	_____	TSS mg/L	_____	TSS mg/L	_____

Final Calibration _____

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

Georgia Pacific Crossett Paper Operatic
100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
and/or

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Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 4-21-21 / 4-22-21

Sample Date: 4-20-21 / 4-21-21

Solids In Date 4-21-21 Time 7:47 Technician Phillips

Initial Calibration 19.9996

Solids Out Date 4-21-21 Time 12:05 Technician Phillips

Oven temp at start 104 Oven temp at finish 104

Filter #	<u>1</u>	Filter #	<u>2</u>	Filter #	<u>3</u>
W1	<u>.0893</u>	PW1	<u>.0881</u>	PW1	<u>.0878</u>
W2	<u>.0893</u>	PW2	<u>.0881</u>	PW2	<u>.0878</u>
V	<u>.0893</u>	IW	<u>.0881</u>	IW	<u>.0878</u>
V1	<u>.0909</u>	FW1	<u>.0891</u>	FW1	<u>.0887</u>
V2	<u>.0903</u>	FW2	<u>.0891</u>	FW2	<u>.0888</u>
W	<u>10</u>	NW	<u>10</u>	NW	<u>9</u>
Sample Volume	<u>100 mL</u>	Sample Volume	<u>100 mL</u>	Sample Volume	<u>100 mL</u>
SS mg/L	<u>10</u>	TSS mg/L	<u>10</u>	TSS mg/L	<u>9</u>

Final Calibration 19.9996

10 AV

Solids In Date 4-22-21 Time 7:17 Technician Phillips

Initial Calibration 19.9996

Solids Out Date 4-22-21 Time 10:48 Technician Phillips

Oven temp at start 104 Oven temp at finish 105

Filter #	<u>8</u>	Filter #	<u>9</u>	Filter #	<u>10</u>
W1	<u>.0900</u>	PW1	<u>.0903</u>	PW1	<u>.0892</u>
W2	<u>.0900</u>	PW2	<u>.0903</u>	PW2	<u>.0891</u>
V	<u>.0900</u>	IW	<u>.0903</u>	IW	<u>.0891</u>
V1	<u>.0912</u>	FW1	<u>.0914</u>	FW1	<u>.0902</u>
V2	<u>.0912</u>	FW2	<u>.0914</u>	FW2	<u>.0902</u>
W	<u>12</u>	NW	<u>11</u>	NW	<u>11</u>
Sample Volume	<u>100 mL</u>	Sample Volume	<u>100 mL</u>	Sample Volume	<u>100 mL</u>
SS mg/L	<u>12</u>	TSS mg/L	<u>11</u>	TSS mg/L	<u>11</u>

Final Calibration 19.9996

11 AV

Georgia Pacific Crossett Paper Operatio
100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
and/or
NPCES Permit #AR0001210
Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 4-23-21

Sample Date: 4-22-21

Solids In Date 4-23-21 Time 7:12 Technician Phillips

2 Initial Calibration 19.9996

Solids Out Date 4-23-21 Time 10:32 Technician Phillips

Oven temp at start 104 Oven temp at finish 105

Filter #	<u>11</u>	Filter #	<u>12</u>	Filter #	<u>13</u>
W1	<u>.0891</u>	PW1	<u>.0894</u>	PW1	<u>.0882</u>
W2	<u>.0891</u>	PW2	<u>.0894</u>	PW2	<u>.0882</u>
V	<u>.0891</u>	IW	<u>.0894</u>	IW	<u>.0882</u>
V1	<u>.0905</u>	FW1	<u>.0907</u>	FW1	<u>.0896</u>
V2	<u>.0905</u>	FW2	<u>.0907</u>	FW2	<u>.0896</u>
W	<u>14</u>	NW	<u>13</u>	NW	<u>14</u>
Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>
TSS mg/L	<u>14</u>	TSS mg/L	<u>13</u>	TSS mg/L	<u>14</u>

Final Calibration 19.9996

14 AV

Solids In Date _____ Time _____ Technician _____

3 Initial Calibration _____

Solids Out Date _____ Time _____ Technician _____

Oven temp at start _____ Oven temp at finish _____

Filter #	_____	Filter #	_____	Filter #	_____
W1	_____	PW1	_____	PW1	_____
W2	_____	PW2	_____	PW2	_____
V	_____	IW	_____	IW	_____
V1	_____	FW1	_____	FW1	_____
V2	_____	FW2	_____	FW2	_____
W	_____	NW	_____	NW	_____
Sample Volume	_____	Sample Volume	_____	Sample Volume	_____
TSS mg/L	_____	TSS mg/L	_____	TSS mg/L	_____

Final Calibration _____

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

Georgia Pacific Crossett Paper Operatio
100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
and/or
NPCES Permit #AR0001210
Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 4-28-21 / 4-29-21

Sample Date: 4-27-21 / 4-28-21

Solids In Date 4-28-21 Time 7:15 Technician Phillips

2 Initial Calibration 19.9996

Solids Out Date 4-28-21 Time 12:17 Technician Phillips

Oven temp at start 104 Oven temp at finish 104

Filter #	<u>1</u>	Filter #	<u>2</u>	Filter #	<u>3</u>
W1	<u>.0904</u>	PW1	<u>.0884</u>	PW1	<u>.0911</u>
W2	<u>.0904</u>	PW2	<u>.0883</u>	PW2	<u>.0910</u>
V	<u>.0904</u>	IW	<u>.0883</u>	IW	<u>.0910</u>
N1	<u>.0922</u>	FW1	<u>.0902</u>	FW1	<u>.0928</u>
N2	<u>.0922</u>	FW2	<u>.0902</u>	FW2	<u>.0928</u>
W	<u>18</u>	NW	<u>19</u>	NW	<u>18</u>
Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>
TSS mg/L	<u>18</u>	TSS mg/L	<u>19</u>	TSS mg/L	<u>18</u>

Final Calibration 19.9996

18 AX

Solids In Date 4-29-21 Time 7:27 Technician Phillips

S/D 4-28-21

2 Initial Calibration 19.9996

Solids Out Date 4-29-21 Time 11:05 Technician Phillips

Oven temp at start 104 Oven temp at finish 104

Filter #	<u>8</u>	Filter #	<u>9</u>	Filter #	<u>10</u>
W1	<u>.0894</u>	PW1	<u>.0890</u>	PW1	<u>.0893</u>
W2	<u>.0894</u>	PW2	<u>.0890</u>	PW2	<u>.0893</u>
V	<u>.0893</u>	IW	<u>.0891</u>	IW	<u>.0893</u>
N1	<u>.0909</u>	FW1	<u>.0906</u>	FW1	<u>.0908</u>
N2	<u>.0909</u>	FW2	<u>.0907</u>	FW2	<u>.0908</u>
W	<u>16</u>	NW	<u>15</u>	NW	<u>15</u>
Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>	Sample Volume	<u>100 ml</u>
TSS mg/L	<u>16</u>	TSS mg/L	<u>15</u>	TSS mg/L	<u>15</u>

Final Calibration 19.9996

15 AV

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

Georgia Pacific Crossett Paper Operatic
100 Mill Supply Road, Crossett, AR 71635

Methodology Follows Standard Methods 22nd Edition
and/or
NPDES Permit #AR0001210
Method 2540D Total Suspended Solids Dried at 103-105C

Suspended Solids Worksheet

Today's Date: 4-30-21

Sample Date: 4-29-21

Solids In Date 4-30-21 Time 7:15 Technician Phillips

Initial Calibration 19.999%

Solids Out Date 4-30-21 Time 12:12 Technician Phillips

Oven temp at start 105 Oven temp at finish 105

Filter # <u>11</u>	Filter # <u>12</u>	Filter # <u>13</u>
W1 <u>.0898</u>	PW1 <u>.0882</u>	PW1 <u>.0890</u>
W2 <u>.0889</u>	PW2 <u>.0882</u>	PW2 <u>.0890</u>
W <u>.0889</u>	IW <u>.0882</u>	IW <u>.0890</u>
W1 <u>.0902</u>	FW1 <u>.0897</u>	FW1 <u>.0904</u>
W2 <u>.0902</u>	FW2 <u>.0897</u>	FW2 <u>.0904</u>
IW <u>13</u>	NW <u>15</u>	NW <u>14</u>
Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>	Sample Volume <u>100 ml</u>
SS mg/L <u>13</u>	TSS mg/L <u>15</u>	TSS mg/L <u>14</u>

Initial Calibration 19.9996

14AV

Solids In Date _____ Time _____ Technician _____

Initial Calibration _____

Solids Out Date _____ Time _____ Technician _____

Oven temp at start _____ Oven temp at finish _____

Filter # _____	Filter # _____	Filter # _____
W1 _____	PW1 _____	PW1 _____
W2 _____	PW2 _____	PW2 _____
W _____	IW _____	IW _____
W1 _____	FW1 _____	FW1 _____
W2 _____	FW2 _____	FW2 _____
IW _____	NW _____	NW _____
Sample Volume _____	Sample Volume _____	Sample Volume _____
SS mg/L _____	TSS mg/L _____	TSS mg/L _____

Initial Calibration _____

Comments: Solids In/Solids Out are start time and stop time inclusive of multiple drying and desiccating.

AFIN 02-00013 Permit No. AR0001210
Response to June 3, 2021 Additional Information Request

ATTACHMENT 2

Laboratory Analysis Reports for 2,3,7,8-Tetrachlorodibenzo-p-dioxin (Dioxin)
March 2021 Monitoring Period



FINAL LAB REPORT

Outfall 001

B5062

22-Mar-2021

Prepared by

SGS NORTH AMERICA

Prepared for

Georgia-Pacific Crossett Paper Operations

Rachel M. Johnson

100 Supply Road

Crossett, AR 71635

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This report is approved by

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I have reviewed this document
2021-03-22 13:50:23

Tamara Burkamper

Senior Project Manager

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PROJECT INFORMATION SUMMARY (When applicable, see QC Annotations for details)

Client Project	Outfall 001
SGS Project #	B5062
Analytical Protocol(s)	1613B (2,3,7,8-TCDD/TCDF only)
No. Samples Submitted	1
Additional QC Sample(s)	0
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
Date Received	12-Mar-21
Condition Received	Good
Temperature upon Receipt (°C)	2.8
Extraction within Holding Time	Yes
Analysis within Holding Time	Yes



QC ANNOTATIONS:

1. Please see Appendices attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

Results meet method criteria.



APPENDIX A: GENERAL DATA QUALIFIERS / DATA ATTRIBUTES

B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve) and is an estimated value.
EMPC	Represents an Estimated Maximum Possible Concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned.
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve) and is an estimated value.
ND	Indicates a non-detect.
NR or R	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.



APPENDIX B: DRBC/TMDL SPECIFIC DATA QUALIFIERS / DATA ATTRIBUTES

J	The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL).
U	The analyte was not detected in the sample at the estimated detection limit (EDL).
E	The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).
D	Dilution Data. Result was obtained from the analysis of a dilution.
B	Analyte found in the sample and associated method blank.
C	Co-eluting congener
Cxx	Co-elutes with the indicated congener, data is reported under the lowest IUPAC congener. 'Xx' denotes the IUPAC number with the lowest numerical designated congener.
NR	Analyte is not reportable because of problems in sample preparation or analysis.
V	Labeled standard recovery is not within method control limits.
X	Results from re-injection/repeat/second-column analysis.
EMPC	Estimated maximum possible concentration. Indicates that a peak is identified but did not meet the method specified ion-abundance ratio.

APPENDIX C: LAB IDENTIFIERS

AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.



SGS CERTIFICATIONS

Alaska	17-012
Arkansas	88-0682
California (ELAP)	ELAP Cert #2914
CLIA	34D1013708
Connecticut	PH-0258
USDA Soil Permit	P330-20-00103
American Association for Laboratory Accreditation (A2LA)	2726.01 (ISO 17025:2017, 2009 TNI, DoD ELAP QSM 5.3)
Florida DOH	E87634
Louisiana DEQ	4115
Louisiana DOH	LA031
Maine	2020019
Massachusetts	M-NC919
Michigan	9950
Minnesota (Primary NELAP For Method 23)	037-999-459
Montana	0106
New Hampshire (Primary NELAP)	2085
New Hampshire (Secondary NELAP)	2083
New Jersey	NC100
New York	11685
North Carolina DEQ	481
North Dakota	R-197
Oregon	NC200002
Pennsylvania	68-03675
South Carolina	99029002
Texas	T104704260
US Coast Guard	16714/159.317/SGS
Vermont	VT-87634
Virginia	460214
Washington	C913

Rev. 21-Oct-2020

Georgia-Pacific Crossett Paper Operations

Outfall 001 B5062

TCDD/Fs by Method 1613B

Form 1: Sample and Laboratory Blank Data

Client Sample ID	<u>Method Blank B5062_18079</u>	Date Sampled	<u>n/a</u>
Lab Project ID	<u>B5062</u>	Analysis File	<u>210318R11</u>
Client Project	<u>Outfall 001</u>	Lab Sample ID	<u>MB1_18079_DF_TLX-RJ</u>
Date Received	<u>n/a</u>	Batch ID	<u>18079</u>
Date Extracted	<u>3/15/2021</u>	Matrix	<u>Aqueous</u>
Date Analyzed	<u>3/18/2021</u>	Sample Size	<u>1.00 L</u>
Analyst	<u>PSW</u>	Dilution Factor	<u>1</u>
		GC Column	<u>DB5</u>
		VER File	<u>210318R08</u>
		OPR File	<u>210318R09</u>
		Blank File	<u>210318R11</u>

Compound	Concentration (ppq)		Flags	Ion Abundance Ratios		Acceptable Retention Time	
	Found	Reporting Limit		Found	QC Limit ¹	Found	QC Limit ²
2,3,7,8-TCDD	ND	10		-	0.65-0.89	-	0.999-1.002
2,3,7,8-TCDF	ND	10		-	0.65-0.89	-	0.999-1.003

⁽¹⁾ QC limits for ratio of areas are from Method Table 9.

⁽²⁾ QC limits for relative retention times are from Method Table 2.

Georgia-Pacific Crossett Paper Operations

Outfall 001 B5062

TCDD/Fs by Method 1613B

Form 1: Sample and Laboratory Blank Data

Client Sample ID	<u>Outfall 001</u>	Date Sampled	<u>3/11/2021</u>
Lab Project ID	<u>B5062</u>	Analysis File	<u>210318R14</u>
Client Project	<u>Outfall 001</u>	Lab Sample ID	<u>B5062 18079_DF_001-RJ</u>
Date Received	<u>3/12/2021</u>	Matrix	<u>Aqueous</u>
Date Extracted	<u>3/15/2021</u>	Sample Size	<u>1.20 L</u>
Date Analyzed	<u>3/18/2021</u>	Dilution Factor	<u>1</u>
Analyst	<u>PSW</u>	GC Column	<u>DB5</u>
		Batch ID	<u>18079</u>
		ICAL ID	<u>10272021</u>
		VER File	<u>210318R08</u>
		OPR File	<u>210318R09</u>
		Blank File	<u>210318R11</u>

Compound	Concentration (ppq)		Flags	Ion Abundance Ratios		Acceptable Retention Time	
	Found	Reporting Limit		Found	QC Limit ¹	Found	QC Limit ²
2,3,7,8-TCDD	ND	8.35		-	0.65-0.89	-	0.999-1.002
2,3,7,8-TCDF	ND	8.35		-	0.65-0.89	-	0.999-1.003

⁽¹⁾ QC limits for ratio of areas are from Method Table 9.

⁽²⁾ QC limits for relative retention times are from Method Table 2.

Georgia-Pacific Crossett Paper Operations
Outfall 001 B5062
TCDD/Es by Method 1613B

Form 2: Internal Standard and Cleanup Standard Recoveries

Client Sample ID Method Blank B5062_18079 Lab Sample ID MB1_18079_DF_TLX-RJ

Compound	Concentration (ng/ml)		Percent Recovery ¹	
	Spiked	Found	Found	QC Limit
Internal Standards				
¹³ C ₁₂ -2,3,7,8-TCDD	100	1940	97.1	31-137
¹³ C ₁₂ -2,3,7,8-TCDF	100	1860	92.9	29-140
Cleanup Standard				
³⁷ Cl ₄ -2,3,7,8-TCDD	40	894	112	42.0-164

⁽¹⁾ QC limits from Method Table 7A (Revised AP)

Georgia-Pacific Crossett Paper Operations

Outfall 001 B5062

TCDD/Fs by Method 1613B

Form 2: Internal Standard and Cleanup Standard Recoveries

Client Sample ID Outfall 001 Lab Sample ID B5062_18079_DF_001-RJ

Compound	Concentration (ng/ml)		Percent Recovery ¹	
	Spiked	Found	Found	QC Limit
Internal Standards				
¹³ C ₁₂ -2,3,7,8-TCDD	100	722	43.2	31-137
¹³ C ₁₂ -2,3,7,8-TCDF	100	701	42.0	29-140
Cleanup Standard				
³⁷ Cl ₄ -2,3,7,8-TCDD	40	688	103	42.0-164

⁽¹⁾ QC limits from Method Table 7A (Revised AP)

PCDD/Fs by Method 1613B/8290A
Form 3: Initial Calibration Relative Responses

Instrument ID	<u>MM3</u>	ICAL Date(s)	<u>30-Nov-20</u>
CS0 Data Filename	<u>201130R06</u>	ICAL ID	<u>MM3_DF_10272021_30NOV2020</u>
CS1 Data Filename	<u>201130R07</u>	CS4 Data Filename	<u>201130R10</u>
CS2 Data Filename	<u>201130R08</u>	CS5 Data Filename	<u>201130R11</u>
CS3 Data Filename	<u>201130R09</u>	CS6 Data Filename	<u>201130R12</u>

Compound	Relative Response (RR) for Labeled or Response Factor (RF) for Internal Standard Calibration							Mean	%RSD ¹
	CS0	CS1	CS2	CS3	CS4	CS5	CS6		
2,3,7,8-TCDD	0.97	1.27	1.19	1.24	1.26	1.29	1.30	1.22	9.3%
2,3,7,8-TCDF	0.81	0.83	0.91	0.98	0.97	1.00	1.02	0.93	8.7%
Total TCDD	0.97	1.27	1.19	1.24	1.26	1.29	1.30	1.22	9.3%
Total TCDF	0.81	0.83	0.91	0.98	0.97	1.00	1.02	0.93	8.7%

¹ RSD QC Limit is < 20 % for relative responses of isotopic dilution calibrations

¹ RSD QC Limit is < 35 % for response factors of compounds without labeled analogs

PCDD/Fs by Method 1613B/8290A

Form 3: Initial Calibration Relative Responses, cont'd

Instrument ID MM3

ICAL Date(s) 30-Nov-20

ICAL ID MM3_DF_10272021_30NOV2020

Compound	Relative Response (RR) for Labeled or Response Factor (RF) for Internal Standard Calibration							Mean	%RSD ¹
	CS0	CS1	CS2	CS3	CS4	CS5	CS6		
¹³ C ₁₂ -2,3,7,8-TCDD	1.04	1.01	1.02	1.01	1.01	1.06	1.04	1.03	2.0%
¹³ C ₁₂ -2,3,7,8-TCDF	1.02	1.03	1.06	1.08	1.05	1.07	1.08	1.06	2.2%
Recovery Standards									
¹³ C ₁₂ -1,2,3,4-TCDD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
¹³ C ₁₂ -1,2,3,4-TCDF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Cleanup Standard									
³⁷ Cl ₄ -2,3,7,8-TCDD	-	1.00	1.06	1.08	1.14	1.23	-	1.10	8.0%

¹ RSD QC Limit is < 20 % for relative responses of isotopic dilution calibrations

¹ RSD QC Limit is < 35 % for response factors of compounds without labeled analogs

(Revised AP)

Georgia-Pacific Corporation
 PCDD/Fs by Method 1613B/8290A
 Form 4: Initial Precision Recovery (IPR)

Analyst Name Paul Walton/Tyler Fritz/Franklin Stone

OPR1 Data Filename 190107R05 Analysis Date/Time 7-JAN-19/14:46:25
 OPR2 Data Filename 190114R02 Analysis Date/Time 14-JAN-19/11:29:16
 OPR3 Data Filename 181217B04 Analysis Date/Time 17-DEC-18/11:46:09
 OPR4 Data Filename 181210V02 Analysis Date/Time 10-DEC-18/11:32:07

Extraction Method 1613B/8290A Extraction Date n/a
 Extraction Matrix n/a

Compound	Spiked	Concentrations in the extract (ng/ml)					Std Dev	Mean QC Limit ¹	Std Dev QC Limit ¹
		OPR1 Found	OPR2 Found	OPR3 Found	OPR4 Found	Mean			
2,3,7,8-TCDD	10	10.3	10.4	10.9	9.6	10.3	0.5	8.3-12.9	2.8
2,3,7,8-TCDF	10	11.1	10.9	11.3	10.5	11.0	0.3	8.7-13.7	2.0

¹QC limits are from Method Table 6

Compound	Spiked	Concentrations in the extract (ng/ml)					Std Dev	Mean QC Limit ¹	Std Dev QC Limit ¹
		OPR1 Found	OPR2 Found	OPR3 Found	OPR4 Found	Mean			
¹² C ₁₂ -2,3,7,8-TCDD	100	90.3	84.8	87.0	101	90.8	6.2	28-134	37
³⁷ Cl ₁ -2,3,7,8-TCDD	40	39.6	39.3	39.9	42.9	40.4	1.4	15.6-61.6	3.6
¹² C ₁₂ -2,3,7,8-TCDF	100	94.1	90.8	85.3	92.8	90.8	3.4	31-113	35

¹QC limits are from Method Table 6

Georgia-Pacific Crossett Paper Operations
Outfall 001 B5062
TCDD/Fs by Method 1613B

Form 5: Calibration Verification

VER Filename 210318R08 Instrument ID MM3
 ICAL ID 10272021
 Analysis Date/Time 3/18/2021 15:29:47 ICAL Date 30-Nov-20

Compound	Concentrations in the extract (ng/ml)		QC Limit ¹
	Spiked	Found	
2,3,7,8-TCDD	10	10.8	7.8-12.9
2,3,7,8-TCDF	10	10.4	8.4-12.0

⁽¹⁾ QC limits are from Method Table 6A

Compound	Concentrations in the extract (ng/ml)		QC Limit ¹
	Spiked	Found	
¹³ C ₁₂ -2,3,7,8-TCDD	100	103	82-121
³⁷ Cl ₄ -2,3,7,8-TCDD	10	10.6	7.9-12.7
¹³ C ₁₂ -2,3,7,8-TCDF	100	105	71-140

⁽¹⁾ QC limits are from Method Table 6A (Revised AP)

Georgia-Pacific Crossett Paper Operations
Outfall 001 B5062
TCDD/Fs by Method 1613B

Form 5a: Continuing Calibration Verification

Instrument ID MM3

Analysis Date/Time 3/18/2021 15:29:47

GC Column ID DB5

CCS Data Filename 210318R08

ICAL ID 10272021

Native Analyte	m/z's Forming Ratio ¹	Ion Abundance Ratio Found	QC Limits ²
2,3,7,8-TCDD	M/M+2	0.80	0.65-0.89
2,3,7,8-TCDF	M/M+2	0.778	0.65-0.89

Labeled Compound	m/z's Forming Ratio ¹	Ion Abundance Ratio Found	QC Limits ²
¹³ C ₁₂ -2,3,7,8-TCDD	M/M+2	0.785	0.65-0.89
¹³ C ₁₂ -2,3,7,8-TCDF	M/M+2	0.8	0.65-0.89

¹ See Table 8 in Method 1613B for m/z specifications and ion abundance ratio limits.

² See Table 9 in Method 1613B for ion abundance ratio control limits.

Georgia-Pacific Crossett Paper Operations

Outfall 001 B5062

TCDD/Fs by Method 1613B

Form 6: Ongoing Precision and Recovery

Matrix <u>Aqueous</u>	Instrument ID <u>MM3</u>
ICAL Date <u>30-Nov-20</u>	OPR Filename <u>210318R09</u>
Analysis Date/Time <u>3/18/2021 16:28:40</u>	Batch ID <u>18079</u>

Compound	Concentrations in the extract (ng/ml)		
	Spiked	Found	QC Limit ¹
2,3,7,8-TCDD	10	10.5	7.3-14.6
2,3,7,8-TCDF	10	10	8.0-14.7

⁽¹⁾ QC limits are from Method Table 6

Compound	Concentrations in the extract (ng/ml)		
	Spiked	Found	QC Limit ¹
¹³ C ₁₂ -2,3,7,8-TCDD	100	97.4	25-141
³⁷ Cl ₄ -2,3,7,8-TCDD	40	42.1	14.8-63.2
¹³ C ₁₂ -2,3,7,8-TCDF	100	95.3	26-126

⁽¹⁾ QC limits are from Method Table 6A (Revised AP)

Cooler: A B C D E
(Circle One)

Figure 5.2a
Georgia - Pacific Corporation
Cluster Rule Compliance Monitoring
Wastewater / Filtrate Chain of Custody

COC No. _____

Page 1 of 1

Facility Name Return Report to: Rachel Johnson PO Box 3333 Crossett AR 71635 (870) 567-8170 rachel.johnson2@gapac.com Sampler(s): <i>(print and sign)</i> Rachel Johnson <i>Rachel Johnson</i>		Start time 3/10/21 6:22 AM		Stop time 3/11/21 6:25 AM		Sample ID: Facility-Type-Date-Detail Outfall 001		Ship to: Tamara Morgan SGS Analytical Perspectives 5500 Business Drive Wilmington, NC 28405 Tel: 910-350-1903	
Analyses Required (Preservative)		Dioxin by 1618 (A,7,8-TCDF) Dioxin by 8290 (A,7,8-TCDF)		pH of sample before/after		Residual Chlorine measured/adjusted		Preservation/Remarks: ice	
Matrix: C		No. of containers submitted: 1		Date/Time: 3/10/21		Received for Lab by: <i>0000000000</i>		Remarks: PO# 1725963	
Date/Time: 3/11/21 4:00 PM To FedEx		Date/Time: 3/11/21 9:55		Received for Lab by: <i>0000000000</i>		Remarks: Please return cooler.		Laboratory Project ID: B5062	
Relinquished by: <i>Rachel Johnson</i>		Date/Time: 3/11/21 6:25 AM		Date/Time: 3/11/21 9:55		Received for Lab by: <i>0000000000</i>		Remarks: B5062 AK 12 Mar 21	
Lab Use Only Temperature: <i>28°C</i> Ice present: <i>V</i> Container: <i>1</i> / <i>1</i> Preservation confirmed: <i>Yes</i> / <i>No</i> <i>N/A</i>		Start time: <i>N/A</i>		Stop time: <i>N/A</i>		Sample ID: <i>N/A</i>		Ship to: <i>N/A</i>	

FedEx
Express
Package
US Airbill

FedEx Tracking Number
311212021 9:55
8127 7709 0232

Form ID No.
2.80
0215

B5002

1 From
Date

Sender's Name
REBECCA BLANKENSHIP Phone 570 547-8312

Company
GEORGIA PACIFIC ENVIRONMENTAL

Address
100 SUPPLY RD

City
CROSBY

State
PA ZIP
17035

2 Your Internal Billing Reference

3 To
Recipient's Name
Tammie McCalla Phone 910 330-1103

Company
PDS Animal Feed Products

Address
5500 P...
We cannot deliver to P.O. boxes or R.F. ZIP codes.

Address
...
Use this line for the HOLD location address or for continuation of your shipping address.

City
ALC State
NC ZIP
28842

0129407641



8127 7709 0232

Packages up to 150 lbs.
By package over 50 lbs. use the
FedEx Express Freight US Airbill.

4 Express Package Service *To most locations.

Next Business Day
 FedEx First Overnight
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday delivery is selected.
 FedEx Priority Overnight
Next business morning. Friday shipments will be delivered on Monday unless Saturday delivery is selected.
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Next business afternoon. Saturday delivery NOT available.

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 FedEx 2Day A.M.
Second business morning. Saturday delivery NOT available.
 FedEx 2Day
Second business afternoon. Thursday shipments will be delivered on Monday unless Saturday delivery is selected.
 FedEx Express Saver
Third business day. Saturday delivery NOT available.

5 Packaging *Declared value limit \$500.

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6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

Saturday Delivery
Not available for FedEx Standard Overnight, FedEx 2Day A.M. or FedEx Express Saver.

No Signature Required
Package may be left without signature at recipient's address.

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Indirect Signature
No one is available at recipient's address. Delivery may occur at a nearby residential delivery only.

Does this shipment contain dangerous goods?
 No Yes
One box must be checked. Yes: Subj. to Department of Transportation regulations. Dry Ice: UN 1845. Dry Ice Cargo Aircraft Only

Restrictions apply for dangerous goods — see the current FedEx Service Guide.

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Sender: Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. Cash/Check

Account No. Recipient Third Party Credit Card Credit Card Auth.

Total Packages Total Weight 40 lbs.



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ATTACHMENT 3

BOD QA/QC Issues – 5-year summary

Issue 1 – The glucose/glutamic acid (GGA) laboratory control standard was not run daily with each set of samples. Instead, the standard was run one day per week. The laboratory only set up one bottle of GGA standard.

Issue 2 - The BOD glucose/glutamic acid (GGA) laboratory control standard recovered outside the acceptable range of 198 mg/L +/- 30.5 for the samples associated with the following dates:

Table 3 – Summary of Out of Range GGA Checks²

Date	mg/L	Date	mg/L	Date	mg/L	Date	mg/L
12/9/2015	231	3/16/2016	240	8/23/2017	359	2/13/2019	163
12/16/2015	240	5/25/2016	236.5	10/25/2017	167	10/9/2019	159
12/23/2015	245	6/1/2016	250	11/1/2017	148	11/13/2019	165
12/30/2015	240	2/8/2017	152	11/8/2017	167	1/8/2020	154
1/6/2016	241	3/1/2017	162	11/15/2017	162	3/18/2020	163
1/13/2016	235	3/8/2017	158	1/24/2018	236	5/20/2020	166
1/20/2016	247	3/15/2017	164	2/28/2018	165	11/18/2020	240
1/27/2016	245	3/22/2017	164	8/22/2018	237	12/2/2020	237
2/3/2016	263	3/29/2017	147	12/5/2018	160	12/9/2020	245
2/24/2016	231	4/26/2017	247	1/16/2019	131	12/16/2020	230
3/2/2016	238	8/9/2017	167	1/23/2019	158	12/23/2020	242
3/9/2016	245	8/16/2017	165	1/30/2019	159		

Issue 2 – The analytical method specifies a minimum dissolved oxygen (DO) depletion criteria of 2 mg/L and a minimum residual DO criteria of at least 1.0 mg/L. Beginning with the April 21, 2020 sample, the laboratory analyst inadvertently flipped these criteria and began using a minimum depletion of 1.0 mg/L for calculating sample results. This had minimal impact on the results, however there were several instances where a result was reported that should have been a non-detect, or less than value, because none of the dilutions met the actual minimum depletion criteria of 2.0 mg/L. In several other instances, dilutions that did not meet the actual minimum depletion criteria were used in calculating sample results. This had minimal impact on the results as well, with the maximum difference between what was reported and what should

² The yellow highlighted cells indicate an above range recovery and the pink highlighted cells indicate a below range recovery.

have been reported being 1.1 mg/L in one instance. Other results were either unchanged or varied by only a few tenths. Here again, to put these minor corrections in context, even the highest corrected value from the table below is well below the monthly BOD concentration (23%) and loading (7%) permit limits.

Table 4 – Summary of BOD Corrections Based on 2.0 mg/L Criteria

Sample Date	Depletion Readings			Depletion Readings Used in Average			BOD Reported (mg/L)	Corrected BOD (mg/L)
4/21/2020	1.0	0.8	0.5	1.0 ³			4.3	ND
4/22/2020	1.0	0.7	0.5	1.0			4.3	ND
4/23/2020	1.0	0.7	0.5	1.0			4.3	ND
4/28/2020	1.1	0.8	0.6	1.1			3.1	ND
4/29/2020	1.0	0.7	0.4	1.0			2.9	ND
4/30/2020	1.1	0.9	0.7	1.1			3.1	ND
5/5/2020	1.4	1.1	1.0	1.4	1.1	1.0	3.0	ND
5/6/2020	1.7	1.4	1.1	1.7	1.4	1.1	3.6	ND
5/7/2020	1.8	1.5	1.3	1.8	1.5	1.3	3.9	ND
5/12/2020	1.9	1.7	1.8	1.9	1.7	1.8	3.6	ND
5/13/2020	2.0	1.8	1.7	2.0	1.8	1.7	3.7	3.8
5/19/2020	1.3	1.2	1.1	1.3	1.2	1.1	2.2	ND
7/21/2020	3.6	2.7	1.9	3.6	2.7	1.9	13.5	14.0
7/22/2020	3.6	2.7	1.9	3.6	2.7	1.9	13.5	14.0
7/23/2020	3.0	2.3	1.5	3.0	2.3	1.5	11.0	11.6
7/28/2020	2.1	1.6	0.9	2.1	1.6		7.4	7.6
7/29/2020	1.8	1.3	0.9	1.8	1.9		6.2	ND
7/30/2020	1.9	1.3	0.9	1.9	1.0		6.2	ND
8/5/2020	1.7	1.1	0.7	1.7	1.1		5.9	ND
8/6/2020	1.8	1.3	0.7	1.8	1.3		6.4	ND
8/11/2020	2.0	1.4	0.8	2.0	1.4		6.5	7.1
8/12/2020	2.0	1.6	1.1	2.0	1.6	1.1	6.6	7.1
8/13/2020	2.1	1.7	1.3	2.1	1.7	1.3	7.2	7.3
8/18/2020	1.8	1.4	1.2	1.8	1.4	1.2	5.9	ND
8/19/2020	1.6	1.3	1.0	1.6	1.3	1.0	5.2	ND
8/20/2020	1.3	1.0	0.7	1.3	1.0		4.1	ND
8/25/2020	2.0	1.5	1.1	2.0	1.5	1.1	4.8	5.3
8/26/2020	1.7	1.5	0.9	1.7	1.5			ND
8/27/2020	1.7	1.4	0.9	1.7	1.4			ND
9/1/2020	2.5	2.1	1.5	2.5	2.1	1.5	5.5	5.8

³ Highlighted cells indicate depletion reading less than 2.0 mg/L used in calculation for reported BOD. Corrected BOD values were calculated using only depletion readings that met the 2.0 mg/L minimum depletion criteria.

AFIN 02-00013 Permit No. AR0001210
 Response to June 3, 2021 Additional Information Request

Sample Date	Depletion Readings			Depletion Readings Used in Average			BOD Reported (mg/L)	Corrected BOD (mg/L)
9/2/2020	2.3	1.9	1.7	2.3	1.9	1.7	5.4	5.4
9/3/2020	1.9	1.6	1.1	1.9	1.6	1.1	4.1	ND
9/8/2020	2.6	2.2	1.7	2.6	2.2	1.7	5.4	5.7
9/9/2020	2.0	1.7	1.4	2.0	1.7	1.4	4.2	ND
9/10/2020	2.0	1.8	1.5	2.0	1.8	1.5	4.4	4.4
9/15/2020	2.0	1.8	1.4	2.0	1.8	1.4	3.9	4.2
9/16/2020	2.0	1.6	1.4	2.0	1.6	1.4	3.8	4.2
9/17/2020	1.8	1.5	1.3	1.8	1.5	1.3	3.5	ND
9/22/2020	1.8	1.6	1.2	1.8	1.6	1.2	3.3	ND
9/23/2020	1.7	1.5	1.3	1.7	1.5	1.3	3.3	ND
9/24/2020	1.7	1.5	1.2	1.7	1.5	1.2	3.2	ND
9/29/2020	2.2	1.9	1.5	2.2	1.9	1.5	3.9	4.2
9/30/2020	2.4	2.1	1.8	2.4	2.1	1.8	4.4	4.5
10/1/2020	1.8	1.5	1.3	1.8	1.5	1.3	3.2	ND
10/6/2020	2.5	2.3	1.9	2.5	2.3	1.9	4.4	4.6
10/7/2020	2.2	2.0	1.7	2.2	2.0	1.7	3.9	4.0
10/8/2020	1.8	1.7	1.4	1.8	1.7	1.4	3.3	ND
10/20/2020	2.1	1.8	1.5	2.1	1.8	1.5	3.6	3.8
10/21/2020	2.1	1.9	1.8	2.1	1.9	1.8	3.9	3.8
10/22/2020	1.8	1.6	1.4	1.8	1.6	1.4	3.2	ND
10/27/2020	2.1	2.0	1.7	2.1	2.0	1.7	3.6	3.7
10/28/2020	1.8	1.7	1.5	1.8	1.7	1.5	3.1	ND
10/29/2020	1.9	1.7	1.5	1.9	1.7	1.5	3.2	ND
11/3/2020	2.2	2.1	1.8	2.2	2.1	1.8	3.7	3.8
11/4/2020	1.8	1.7	1.5	1.8	1.7	1.5	3.0	ND
11/5/2020	2.4	2.1	1.8	2.4	2.1	1.8	3.8	3.9
11/11/2020	1.4	1.3	1.2	1.4	1.3	1.2	2.4	ND
11/12/2020	1.6	1.5	1.3	1.6	1.5	1.6	2.6	ND
11/17/2020	2.0	1.9	1.3	2.0	1.9	1.3	2.9	3.1
11/18/2020	2.0	1.9	1.7	2.0	1.9	1.7	3.2	3.2
11/19/2020	1.9	2.4	1.5	1.9	2.4	1.5	3.0	4.0

Prior to 4/21/20, there were 21 instances where all the dilutions under depleted. In these cases, the technician reacted correctly to the event and collected an additional sample as soon as possible on the next non-routine sampling date. The dates of these events are as follows:

Table 5 – Under Depletions Prior to April 21, 2020

5/26/2015	6/6/2018	10/2/2018	11/5/2019
9/28/2016	6/7/2018	10/3/2018	12/17/2019
9/29/2016	8/8/2018	10/4/2018	12/18/2019

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11/8/2016	9/25/2018	10/9/2018	
5/29/2018	9/26/2018	5/15/2019	
6/5/2018	9/27/2018	5/16/2019	

Issue 4 - There were three days in December 2020 (sample collection dates of 12/7, 12/8/ and 12/9) where all dilutions over depleted, not meeting the minimum residual DO of 1.0 mg/L. Results were still calculated and reported using these dilutions rather than reporting a “greater than” value from the lowest sample concentration dilution. The maximum difference between the reported concentration and what should have been the “greater than” value was 1.9 mg/L. Over the recent 5-year history, there has only been one other sample (sample collection date 3/26/20) where all dilutions over depleted. In this case this was recognized as an issue and an additional sample was collected for the week the sample analysis was completed.

Issue 5 - QA/QC issues were not noted on the DMRs.