

ENVIRONMENTAL RESOURCE TECHNOLOGIES, LLC

131 Arlington St.
 Ada, OK 74820
 (580) 332-8808 Phone (580) 421-9110 Fax
 EPA Laboratory Code: OK00921
 ODEQ State ID No. 8304

Client Name: **City of Hartshorne**

Dates Received: **11/08/18**
11/15/18
11/20/18
11/29/18

Report Date: **12/03/18**

- CERTIFICATE OF ANALYSIS -

ERT Lab Log #	Sample ID	Date Sampled	Analysis Date	Time	Analyzed		Results	Units	RL	Method
					By	Parameter				
WW1811157	Effluent	11/08/18	11/08/18	20:00	LH	BOD 5	BDL	mg/L	2.0	SM 5210-B
			11/08/18	17:00	LH	(Lab) pH	7.02	S.U.	0.1	SM 4500-HB
			11/13/18	17:00	LH	TSS	8.33	mg/L	2.0	SM 2540-D
			11/08/18	16:29	CB	E. coli	5.2	MPN/100mL	1	SM 9223-B 2004
WW1811271	Effluent	11/15/18	11/16/18	10:30	LH	BOD 5	BDL	mg/L	2.0	SM 5210-B
			11/15/18	19:15	LH	(Lab) pH	6.85	S.U.	0.1	SM 4500-HB
			11/20/18	14:40	LH	TSS	7.67	mg/L	2.0	SM 2540-D
			11/15/18	16:07	CB	E. coli	3.0	MPN/100mL	1	SM 9223-B 2004
WW1811328	Effluent	11/20/18	11/21/18	11:15	LH	BOD 5	BDL	mg/L	2.0	SM 5210-B
			11/21/18	08:00	LH	(Lab) pH	6.66	S.U.	0.1	SM 4500-HB
			11/21/18	12:30	LH	TSS	4.00	mg/L	2.0	SM 2540-D
			11/20/18	17:00	AJ	E. coli	BDL	MPN/100mL	1	SM 9223-B 2004
WW1811455	Effluent	11/29/18	11/29/18	15:19	CB	E. coli	5.2	MPN/100mL	1	SM 9223-B 2004

RL = Reporting Limit
 BDL = Analyte Detected Below RL


 Laboratory Personnel

ENVIRONMENTAL RESOURCE TECHNOLOGIES, LLC

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QUALITY CONTROL REPORT

Sample Date	Parameter	Methods	Sample RL (mg/L)	RPD %	Blank mg/L	Spike % Recovery	Standard % Recovery
11/08/18	BOD 5	SM 5210-B	2.0	1.72	0.0	NA	94.0
	pH	SM 4500-HB	0.1	0.148	NA	NA	101
	TSS	SM 2540-D	2.0	3.64	BDL	NA	95.8
	E. coli	SM 9223-B 2004	1	NA	NA	NA	NA
11/15/18	BOD 5	SM 5210-B	2.0	1.53	0.0	NA	90.3
	pH	SM 4500-HB	0.1	0.00	NA	NA	101
	TSS	SM 2540-D	2.0	0.00	BDL	NA	97.7
	E. coli	SM 9223-B 2004	1	NA	NA	NA	NA
11/20/18	BOD 5	SM 5210-B	2.0	0.160	0.0	NA	94.4
	pH	SM 4500-HB	0.1	0.00	NA	NA	101
	TSS	SM 2540-D	2.0	0.00	BDL	NA	98.6
	E. coli	SM 9223-B 2004	1	NA	NA	NA	NA
11/29/18	E. coli	SM 9223-B 2004	1	NA	NA	NA	NA

RL = Reporting Limit
BDL = Analyte Detected Below RL

Laboratory Personnel

Environmental Resource Technologies

131 Arlington St. Ada, Oklahoma 74820
 Phone (580) 332-8308 Fax (580) 421-9110

CHAIN OF CUSTODY

Client Name: HARTSHORNE

PROJECT NAME :

Lab Log #	Date Sample Taken	Time Sample Taken	Matrix Water (W) Soil (S) Sludge (SI) Other	G R A B	C O M P	Client I.D. Sample Location	Temp C, F	No. of Container (p)=plastic (g)=glass	Size of Container 1L, 500mL, 250mL, etc.	Analysis Requested	Sample Presv.
WWS181157	11/8/18	0900	Water (W)	X		Effluent		1 (p)	1 L	BOD	
	11/8/18	0900	Water (W)	X		Effluent		1 (p)	1 L	TSS	
	11/8/18	0900	W	X		Effluent		1		ecoli	

Comments:

Refr on ice <6°C

Sampled By: <i>Roy mickle</i>	Date/Time: <i>11/8/18/1016</i>	Received By: <i>[Signature]</i>	Date/Time: <i>11-3-18 1018</i>
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished to Lab By: <i>[Signature]</i>	Date/Time: <i>11-8-18 1614</i>	Received at Lab By: <i>[Signature]</i>	Date/Time: <i>11-8-18 1614</i>

Report To:

Send Invoice To:

Address:

Address:

Phone/Fax Number:

Phone/Fax Number:

Environmental Resource Technologies

131 Arlington St. Ada, Oklahoma 74820
Phone (580) 332-8808 Fax (580) 421-9110

CHAIN OF CUSTODY

Client Name: HARTSHORNE

PROJECT NAME : _____

Lab Log #	Date Sample Taken	Time Sample Taken	Matrix Water (W) Soil (S) Sludge (Sl) Other	G R A B	C O M P	Client ID. Sample Location	Temp C, F	No. of Container (p)=plastic (g)=glass	Size of Container 1L, 500mL, 250mL, etc.	Analysis Requested	Sample Presv.
W21811271	11/15/18	0900	Water (W)	X		Effluent		1 (p)	1 L	BOD	
	11/15/18	0900	Water (W)	X		Effluent		1 (p)	1 L	TSS	
	11/15/18	0900	W	X		Effluent		1 p	250ML	E. coli	

Comments:
Read on ice ^{es}

Sampled By: <u>Roy Mickle</u> Relinquished By: _____	Date/Time: <u>11/15/18 0927</u> Date/Time: _____	Received By: <u>[Signature]</u> Date/Time: <u>11-15-18 0927</u>
Relinquished to Lab By: <u>[Signature]</u>	Date/Time: <u>11-15-18 1550</u>	Received at Lab By: <u>[Signature]</u> Date/Time: <u>11-15-18 1550</u>

Report To: _____

Send Invoice To: _____

Address: _____

Phone/Fax Number: _____

Environmental Resource Technologies

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Phone (580) 332-8808 Fax (580) 424-9110

CHAIN OF CUSTODY

Client Name: HARTSHORNE

PROJECT NAME :

Lab Log #	Date Sample Taken	Time Sample Taken	Matrix Water (W) Soil (S) Sludge (Sl) Other	G R A B	C O M P	Client I.D. Sample Location	Temp C, F	No. of Container (p)=plastic (g)=glass	Size of Container 1L, 500mL, 250mL, etc.	Analysis Requested	Sample Presv.
11/20/18 1328	11/20/18	1300	Water (W)	X		Effluent		1 (p)	1 L	BOD	
↓	11/20/18	1300	Water (W)	X		Effluent		1 (p)	1 L	TSS	
	11/20/18	1300	W	X		Effluent		1 p	250mL	E.Coli	

Comments:

Red on ion

Sampled By: <i>Roy Mickle</i>	Date/Time: 11/20/18/1332	Received By: <i>Jay Palab</i>	Date/Time: 11-20-18
Relinquished By:	Date/Time:	Received at Lab By: <i>Jay Palab</i>	Date/Time: 11-20-18 1601
Relinquished to Lab By:	Date/Time:	Received at Lab By:	Date/Time:

Report To: _____
Address: _____
Phone/Fax Number: _____

Environmental Resource Technologies

13526 CR 3630 / 131 Arlington Ada, Oklahoma 74820
Phone (580) 332-8808 Fax (580) 421-9110

CHAIN OF CUSTODY

Client Name: Harsco Project Name: _____

Lab Log #	Date Sample Taken	Time Sample Taken	Matrix Water (W) Soil (S) Sludge (Sl) Other	G R A B	C O M P	Client I.D. Sample Location	Temp C, F	No. of Container (p)=plastic (g)=glass	Analysis Requested	Sample Presv.
1001811455	11/29/18	0900	Water	X		Effluent		1(p)	ecoli	

Comments: Red on ice 26c

Sampled By: <u>Roy Mickle</u>	Date/Time: <u>11/29/18 0928</u>	Received By: <u>[Signature]</u>	Date/Time: <u>0928</u>
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished to Lab By: <u>[Signature]</u>	Date/Time: <u>11/29/18 1410</u>	Received By: <u>[Signature]</u>	Date/Time: <u>11-29-18 1410</u>

Report To:
Address:
Send Invoice To:
Address:
Phone/Fax Number:
Phone/Fax Number:

**National Pollutant Discharge Elimination System (NPDES)
Oklahoma Department of Environmental Quality Discharge Monitoring Report (DMR)**

PERMITTEE NAME: Hartshorne, City of
 MAILING 1101 Penn Ave
 ADDRESS: Hartshorne, OK 74547
 FACILITY: CITY OF HARTSHORNE
 LOCATION: 1101 Penn Ave
 Hartshorne, OK 74547

PERMIT NUMBER: **OK0022861**
 MONITORING 001A
 POINT:

COUNTY: **Pittsburg**

Monitoring Period : 2018-11-01 To: 2018-11-30
 NO DISCHARGE FROM SITE: ()

Parameter	Sample Measurement Permit Requirement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
OXYGEN, DISSOLVED (DO)	Sample Measurement Permit Requirement	*****	*****	2.0	*****	1	Daily	GRAB
PARAM CODE: 00300 Stage Code: 1 Effluent Gross	Sample Measurement Permit Requirement	*****	*****	4 Monthly Minimum	*****	19 mg/l	Daily	GRAB
BOD, 5-DAY (20 DEG. C)	Sample Measurement Permit Requirement	< 2.3	*****	*****	< 2.0	0	Three Per Month	GRAB
PARAM CODE: 00310 Stage Code: 1 Effluent Gross	Sample Measurement Permit Requirement	83.4 Monthly Average	*****	*****	26 lbs/day	19 mg/l	Three Per Month	GRAB
PH	Sample Measurement Permit Requirement	*****	*****	6.8	*****	0	Daily	GRAB
PARAM CODE: 00400 Stage Code: 1 Effluent Gross	Sample Measurement Permit Requirement	*****	*****	6.5 Minimum	*****	12 S.U.	Daily	GRAB
SOLIDS, TOTAL SUSPENDED	Sample Measurement Permit Requirement	7.8	*****	*****	6.6	0	Three Per Month	GRAB
PARAM CODE: 00530 Stage Code: 1 Effluent Gross	Sample Measurement Permit Requirement	125 Monthly Average	*****	*****	26 lbs/day	19 mg/l	Three Per Month	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	Sample Measurement Permit Requirement	0.166	0.378	*****	03 MGD	0	Daily	INSTAN
PARAM CODE: 50050 Stage Code: 1 Effluent Gross	Sample Measurement Permit Requirement	Report Monthly Average	Report Maximum Daily	*****	*****	0	Daily	INSTAN
Name/Title of Principal Executive Officer Or Authorized Agent	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		Telephone No	Date (MM/DD/YY)	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PARAMETER COMMENTS:

001A OXYGEN, DISSOLVED (DO)

Concentration-Col# 2:

DO low new probe was ordered