

The City of Durant encourages participation from all its citizens. If participation at any public meeting is not possible due to a disability, notification to the City Clerk at least 48 hours prior to the scheduled meeting is encouraged in order to make the necessary accommodations. The City of Durant may waive the 48-hour rule if interpreters for the deaf (signing) or translation services for limited English proficient (LEP) individuals are not the necessary accommodation.

THE DURANT CITY UTILITIES AUTHORITY / DCUA

6:00 PM

**Roscoe J. Hatfield
Council Chambers,
Durant City Hall
AGENDA**

December 13, 2016

**DURANT CITY HALL
300 W. EVERGREEN, DURANT, OK
ROSCOE J. HATFIELD COUNCIL CHAMBERS**

CALL TO ORDER

ROLL CALL

ORDER OF BUSINESS

1. Consent Items

To help streamline meetings and allow the focus to be on other items requiring strategic thought, the "Consent Items" portion of the agenda groups the routine, procedural, and self-explanatory non-controversial items together. These items are voted on in a single motion (one vote). However, any Council member requesting further information on a specific item thus removes it from the "Consent Items" section for individual attention and separate vote.

- a. Consider Approval of Regular Meeting Minutes of November 8, 2016

2. Consider Items Removed from Consent

3. Information Items

- a. Landfill Information & Reports - November 2016
- b. Solid Waste Collection Report - November 2016
Solid Waste Collection Report
- c. Water Plant Monthly Operation Reports - November 2016
- d. Wastewater Treatment Plant Monthly Projects Report - November 2016
- e. Wastewater Treatment Plant Monthly Lab Report - November 2016
- f. Utilities Monthly Report - November 2016

4. Administration

ADJOURNMENT

CERTIFICATE

This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk of Durant on the 10th day of November, 2015 and that an agenda of said meeting was posted at the place of such meeting at 4:30 p.m. on the 9th day of December, 2016.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

Date: 12/1/2016
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of November 8, 2016

Council Information / Action Requested

Approval of Regular Meeting Minutes of November 8, 2016

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
Minutes - 11.8.2016	Exhibit	12/7/2016

Agenda posted on Durant City Hall Entry Door at This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk of Durant on the 10th day of November, 2015 and that an agenda of said meeting was posted at the place of such meeting at 3:40 p.m. on the 4th day of November, 2016.

MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY UTILITIES AUTHORITY OF November 8, 2016 AT 6:00 PM, Roscoe J. Hatfield Council Chambers, Durant City Hall

CALL TO ORDER

Chairman Hoffman called the meeting to order at 8:22 p.m.

ROLL CALL

Present: Trustee Chad Hitchcock	City Attorney Pat Phelps
Trustee Billy L. Orr	City Manager Tim Rundel
Trustee Jerry Tomlinson	City Clerk Cynthia J Price
Vice-Chairman Destry Hawthorne	
Chairman Stewart Hoffman	(*denotes partial attendance)

Absent: None

Chairman Hoffman declared a quorum.

1. Consent Items

To help streamline meetings and allow the focus to be on other items requiring strategic thought, the "Consent Items" portion of the agenda groups the routine, procedural, and self-explanatory non-controversial items together. These items are voted on in a single motion (one vote). However, any Council member requesting further information on a specific item thus removes it from the "Consent Items" section for individual attention and separate vote.

- a. Consider Approval of Regular Called Meeting Minutes of October 11, 2016

Approved

Motion was made by Destry Hawthorne and seconded by Chad Hitchcock to approve consent item as presented. Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson

2. Consideration Items Removed from Consent

3. Information Items

- a. Landfill Information & Reports - October 2016

- b. Solid Waste Collection Report - October 2016
- c. Water Treatment Plant Monthly Operation Reports - October 2016
- d. Utilities Monthly Report - October 2016
- e. Breakroom / Office Progress Update

4. Administration

- a. Consider Approval of Request for Authorization to Purchase for Equipment Parts and Maintenance for Wastewater Treatment Plant in the Blanket Amount of \$44,000 for FY 2016/2017 (RFAP #2016-181)

Approved

Jacque Wilson, Projects Manager, addressed council and recommended approval of RFAP #2016-181.

Motion was made by Jerry Tomlinson and seconded by Destry Hawthorne to approve Request for Authorization to Purchase for Equipment Parts and Maintenance for Wastewater Treatment Plant in the blanket amount of \$44,000 for FY 2016/2017 (RFAP #2016-181). Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson

- b. Consider Request for Authorization to Purchase Roll-Offs in the Amount of \$22,800.00 (RFAP # 2016-188)

Approved

Albert Pierce, Solid Waste Collections Superintendent, addressed council and stated the requested purchase of four new 30 yard roll-offs, one new 20 yard closed top roll-off; and the conversion of two existing 40 yard roll-offs to 30 yard roll-offs. Mr. Pierce stated his request is in response to increased customer demand.

Motion was made by Jerry Tomlinson and seconded by Chad Hitchcock to approve Request for Authorization to Purchase Roll-Offs in the amount of \$22,800 (RFAP #2016-188). Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson

5. New Business

There was no new business.

Adjournment

Motion was made by Destry Hawthorne and seconded by Chad Hitchcock to adjourn meeting. Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson



The City of Durant

Solid Waste Landfill

Memorandum

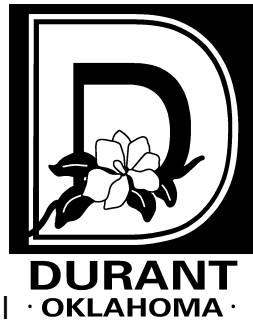
Date: 11/29/2016
To: Utilities Authority
From: Zefe Laborico, Supervisor, Solid Waste Landfill
Re: Landfill Information & Reports - November 2016

Council Information / Action Requested

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
November 2016 Project Schedule	Cover Memo	11/29/2016
multi-use building progress 1	Cover Memo	11/29/2016
Multi-use building progress 2	Cover Memo	11/29/2016
Multi-use building progress 3	Cover Memo	11/29/2016
November 2016 DEQ Reports	Cover Memo	12/1/2016



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE ***November 2016***

A. Work Completed for November:

1. Covered C & D Site
2. Hauled MSW To SORD
3. Worked on Multi-use building

B. Work Planned For December:

1. Continue Covering C&D site
2. Have new C&D cell 10C inspected and approved
3. Haul MSW To SORD
4. Continue working on multi-use building

C. Work Planned For Jan. '16 – Dec. '16:

Approx. Start – Finish Date:

1. Haul trash to Ardmore 1-2016 thru 12-2016

D. Projects Planned And Requested For Authorization:

1. None.









MONTHLY REPORT FOR SOLID WASTE DISPOSAL FACILITIES

(Please see instructions prior to completing this form)

Due by the 10th of the month following the reporting month

Administrative Services
Accounts Receivable
P. O. Box 2036
Oklahoma City, OK 73101-2036

Report month/year: NOVEMBER 2016

Facility Name: CITY OF DURANT C/D LANDFILL
Mailing Address: PO BOX 578
DURANT, OK 74702-0578

Permit Number: 3507001

Phone Number: 580-931-6606

Total # of Days open: 21

COMPLETE SECTIONS 5-10 ONLY IF SCALES GO DOWN

D A Y	(1) Total weight accepted (tons)	(2) Weight which is reused or recycled in accordance with facility permit (tons)	(3) Weight accepted from a DEQ approved emergency or special event (tons)	(4) Weight accepted from large industrial waste generators with DEQ exemption certificate (tons)	(5) Time scales placed out of service	(6) Time scales placed into service	(7) Total volume accepted (yd3)	(8) Volume which is reused or recycled in accordance with facility permit (yd3)	(9) Volume accepted from a DEQ approved emergency or special event (yd3)	(10) Volume accepted from large industrial waste generators with DEQ exemption certificate (yd3)
1	76.83									
2	84.15									
3	15.06									
4	62.18									
5	14.51									
6	0									
7	22.86									
8	1.96									
9	52.46									
10	47.72									
11	0									
12	0									
13	0									
14	79.36									
15	70.55									
16	71.71									
17	71.05									
18	105.87									
19	20.02									
20	0									
21	44.99									
22	37.94									
23	38.26									
24	0									
25	0									
26	0									
27	0									
28	5.73									
29	49.75									
30	74.25									
31										
Total	1047.21	0	0	0	0	0	0	0	0	0

I hereby certify that the information reported above is accurate and correct to the best of my knowledge and includes all solid waste received at this facility.

Signature of authorized agent: _____

Phone #: 580-924-8358

Date: _____



The City of Durant

Office of the Solid Waste Department

Memorandum

Date: 12/13/2016
To: Utilities Authority
From: Albert Pierce, Solid Waste Collection Superintendent
Re: Solid Waste Collection Report - November 2016 Solid Waste Collection Report

Council Information / Action Requested

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
S.W.Collection monthly report	Cover Memo	12/1/2016



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS SCHEDULE NOVEMBER

A. Work Completed:

1. Picked up & emptied 229 roll-offs
2. Picked up & emptied 67 compactors
3. Delivered to 8 new customers
4. Delivered and picked up 15 Sharp containers
5. Picked up 43.16 tons of extra hauling
6. Hauled 67 loads of extra hauling to the landfill

B. Work Planned For Jan

1. replace lids on 2 yd. Dumpsters
2. repair or replace old poly carts

C. Work Planned For Jan. '16 – Dec. '16:

Approx. Start – Finish Date:

1. Pick up trash 1/1/2016 – 1/31/2016

D. Projects Planned And Requested For Authorization:

1. None.



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 12/1/2016
To: Utilities Authority
From: Phillip Hightower
Re: Water Plant Monthly Operation Reports - November 2016

Council Information / Action Requested

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
November Monthly Report	Cover Memo	12/1/2016
November Fluoride Report	Cover Memo	12/1/2016
November CLO2 and Chlorite Report	Cover Memo	12/1/2016
November MOR #1	Cover Memo	12/1/2016
November MOR #2	Cover Memo	12/1/2016



THE CITY OF DURANT

Office of the Water Treatment Plant

Water Treatment Plant Projects Schedule November 2016 Monthly Report

A. Work Completed

1. Calibrate lab instruments daily
2. Maintained Water Plant
3. Cleaned all buildings weekly
4. Backwashed filters as needed
5. Backwashed raw pumps weekly
6. Hooked up chlorine tanks and checked for leaks
7. Unload chemicals as they arrived
8. Pulled sludge as needed
9. Run daily chlorine dioxide samples on raw line
10. Flushed alum pumps
11. Inspected fire extinguishers
12. Pulled required water samples and send to ODEQ
13. Clean turbidity meters as needed
14. Cleaned screens on CLO2 generator as needed
15. Weed eaten around the office
16. Mowed Plant grounds
17. Worked at Lagoons removing sludge
18. MVA replaced #1 air scour valve actuator
19. MVA at Cardinal Glass pump station removing old pumps and installing new pumps
20. Had power failure at water plant had to run on generator and diesel pump
21. Removed and replaced 1" valves on alum feed lines going to both old plant and new plant alum pumps
22. Removed 6" butterfly valve on #1 air scour line to be replaced
23. Worked on heater in the caustic building
24. Treated 117,455,000 gallons of water

B. Work Planned for January-December

1. Pull #2 yard pump
2. Get Osec Running
3. Get fence fixed at Chuckwa Tower

Approx Start/Finish Date

Time permitting
Time permitting
Time permitting

C. Projects Planned and Requested for Authorization

- A. Fencing around Cardinal Glass Tower
- B. Replace altitude valves at 3 towers in town

Oklahoma State Department of Health / Oklahoma Department of Environmental Quality
MONTHLY OPERATION REPORT
RECORD OF FLUORIDE APPLICATION

PWSID 1010601 SYSTEM Durant Ok (SW) MONTH November
Type of Material Applied* Sodium Silicofluoride Year 2016

Date	Water Treated (1000s of Gallons)	Applied		Residual Fluoride (F), ppm			
		lbs.	PPM of F	Raw		Distribution	
				(1)	(2)	(1)	(2)
1	4222	40	0.67	0.19	0.00	0.79	0.53
2	4370	45	0.73	0.00	0.00	0.39	0.49
3	4288	40	0.66	0.20	0.00	0.53	0.61
4	4363	42	0.68	0.00	0.00	0.85	0.73
5	4259	46	0.77	0.12	0.00	0.76	0.47
6	3091	39	0.90	0.45	0.00	0.62	1.26
7	3251	36	0.78	0.20	0.00	0.78	0.82
8	3237	44	0.96	0.00	0.09	0.49	0.34
9	3411	34	0.71	0.19	0.28	0.38	0.50
10	3558	39	0.78	0.00	0.03	0.52	0.63
11	4484	37	0.59	0.00	0.00	0.52	0.69
12	4351	47	0.77	0.00	0.00	0.32	0.65
13	4278	39	0.65	0.22	0.00	0.47	0.39
14	3390	41	0.86	0.10	0.11	0.38	0.57
15	3470	39	0.80	0.00	0.17	0.78	0.57
16	4178	40	0.68	0.00	0.00	0.73	0.45
17	4152	39	0.67	0.51	0.25	1.08	0.51
18	4362	48	0.78	0.00	0.00	0.49	0.68
19	4040	48	0.84	0.00	0.00	0.58	0.63
20	4009	35	0.62	0.00	0.38	0.67	0.66
21	3631	40	0.78	0.28	0.00	0.74	0.78
22	4020	35	0.62	0.00	0.20	0.80	0.61
23	4435	36	0.58	0.03	0.10	0.95	0.78
24	4385	38	0.62	0.03	0.00	0.31	0.56
25	3651	37	0.72	0.12	0.00	0.97	0.59
26	3436	47	0.98	0.00	0.00	0.79	0.44
27	3644	35	0.68	0.26	0.03	0.44	0.56
28	3848	36	0.66	0.00	0.40	1.19	0.84
29	3903	42	0.77	0.00	0.07	0.97	0.84
30	3738	37	0.72	0.00	0.00	0.52	0.38
31							
Total	117455	120.1	22.03	3.16	2.11	19.81	18.56
Average	3915	40	0.73	0.10	0.07	0.66	0.62

* Example: Sodium Fluoride, Sodium Fluorosilicate (Sodium Silicofluoride), and Fluorosilicic Acid (Hydrofluorosilicic Acid).

It is required that this report be received by the 10th of the following month.

Send to: OSDH – Dental Health Services
1000 NE 10TH ST
OKLAHOMA CITY, OK 73117-1299

AND

Oklahoma Department of Environmental Quality
PO BOX 1677
OKLAHOMA CITY, OK 73101-1677

I hereby certify the above to be correct to the best of my knowledge.

Signed _____
Title _____
City _____



CHLORINE DIOXIDE AND CHLORITE MONITORING AND REPORTING FORM

1. Public Water System (PWS) Information:

PWSID: OK 1010601

PWS Name: City of Durant

2. Compliance Information:

Water System Facility ID: 1010601

Plant Name: Durant Water Plant

Month: Nov Year: 2016

3. Analytical Results & Summary Information:

Entry Point Monitoring			<u>Chlorine Dioxide Daily Monitoring (Summary Type: CLO2)</u>					
Day	ClO ₂ (mg/L)	Chlorite (mg/L)	Number of Samples Required:					
1	0.08	0.52	Number of Samples Collected:					
2	0.07	0.57	30					
3	0.08	0.67	Was All Chlorine Dioxide Monitoring & Reporting Completed? Yes / No					
4	0.1	0.71	Yes / No					
5	0.13	0.61	Number of ClO ₂ samples exceeded the MRDL of 0.8 mg/L?					
6	0.1	0.57	0					
7	0.08	0.47	If a routine sample exceeds the MRDL, the system is required to take (3) three more samples the next day.					
8	0.06	0.57	<u>Chlorite Daily Monitoring (Summary Type: CLO2)</u>					
9	0.1	0.66	Number of Samples Required:					
10	0.07	0.57	Number of Samples Collected:					
11	0.08	0.61	30					
12	0.14	0.61	Was All Chlorite Monitoring & Reporting Completed? Yes / No					
13	0.12	0.57	Yes / No					
14	0.1	0.43	Number of Chlorite samples exceeded the MCL of 1.0 mg/L?					
15	0.08	0.33	If a routine sample exceeds the MCL, the system is required to take (3) three more samples the next day.					
16	0.15	0.57	* If you didn't use Chlorine Dioxide for disinfection any day this month, please mark "n/a" in that day's box to prevent a Monitoring violation.					
17	0.08	0.57						
18	0.07	0.61						
19	0.14	0.66						
20	0.07	0.61	Routine Chlorite Monthly Monitoring in Distribution System					
21	0.1	0.57	Sampling Location	Lab Sample ID	Sampling Point ID	Collection Date	Certified Lab ID	Chlorite (mg/L)
22	0.16	0.61	Near 1st Customer					
23	0.1	0.57	Avg. Residence Time					
24	0.18	0.85	Max. Residence Time					
25	0.1	0.57	Monitoring Period Average:					
26	0.1	0.47	Mark (X) if analytical results were reported electronically: _____					
27	0.1	0.57	- If the arithmetic average of any three sample set exceeds the Chlorite MCL (1.0 mg/L), the system is in violation of the MCL.					
28	0.12	0.76	- If more than one three-sample set was collected, attach additional copies of this form.					
29	0.09	0.71						
30	0.16	0.8						
31								

Signature of owner or operator: _____

Date: _____

Operator License Number _____

Send all documents to:

Joe Keeble
Disinfection Byproducts Compliance Coordinator
Water Quality Division, DEQ
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677

DEQ Form # 630-577D
Revision 06/01/2009

Mail original before the 10th of the following month
to the Department of Environmental Quality, Water Quality Division
P. O. Box 1677, Oklahoma City, OK 73101-1677

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY OPERATIONAL REPORT
WATER TREATMENT PLANTS

Durant City Utilities Authority

PO Box 578

Durant OK

74702

System

Address

City

ZIP

Plant: Durant Water Treatement P
PWSID: 1010601
Month: November 2016
Population: 19,491

DAY	WATER TREATED	FILTER OPERATION								WASH WATER IN 1000 GALS.	CHEMICALS USED-LBS.								ALKALINITY								pH			CaCO3 STABILITY Method:	HARDNESS (ppm)			Chlorite residual	Chlorite lbs/day	REMARKS				
		FILTERS USED-HOURS									ALUM	LIME	POLYMER Name:		CARBON	OTHER Name: NH2SIF6	OTHER Name: copper sul	CHLORINE		"P"		TOTAL AM		CLO2 Residual		TOTAL PM					AM	FILT	FILT							
		1	2	3	4	5	6	7	8									PRE	POST	RAW	FILT	RAW	FILT	RAW	FILT	RAW	FILT	RAW	FILT								RAW	FILT	RAW	FILT
1	4,222	24	24	24	24	24	24	24	24		1300	0	50	0	0	40	0	60	80			240	216		0.08	252	214	8	7.5	7.5	210	244	232	0.52	260					
2	4,370	23	24	23	24	24	24	24	24	60	1200	0	50	0	0	45	0	70	90			242	220		0.07	248	228	8	7.4	7.4	216	250	238	0.57	260					
3	4,288	24	24	24	24	23	24	23	24	60	1300	0	50	0	0	40	0	60	80			250	230		0.08	238	204	8	7.6	7.5	222	250	254	0.67	260					
4	4,363	24	23	24	23	24	24	24	24	70	1300	0	50	0	0	42	0	120	100			252	230		0.1	256	238	7.8	7.4	7.5	220	258	246	0.71	260					
5	4,259	24	24	24	24	24	23	24	23	68	1300	0	50	0	0	46	0	60	40			220	216		0.13	270	250	7.6	7.2	7.4	222	250	238	0.61	260					
6	3,091	24	24	24	24	24	24	24	24		1000	0	50	0	0	39	0	60	60			250	220		0.1	272	234	7.9	7.3	7.4	230	258	240	0.57	220					
7	3,251	23	24	23	24	24	24	24	24	70	1700	0	50	0	0	36	0	60	40			260	240		0.08	258	236	7.9	7.4	7.5	238	264	252	0.47	200					
8	3,237	24	24	24	24	23	24	23	24	70	900	0	50	0	0	44	0	60	40			240	220		0.06	250	240	7.9	7.4	7.4	220	268	256	0.57	220					
9	3,411	24	23	24	23	24	24	24	24	70	1200	0	50	0	0	34	0	60	60			252	240		0.1	248	220	8	7.5	7.5	230	264	264	0.66	220					
10	3,558	24	24	24	24	24	23	24	23	55	1200	0	50	0	0	39	0	60	70			260	234		0.07	278	242	7.8	7.4	7.4	226	270	262	0.54	220					
11	4,484	24	24	24	24	24	24	24	24		1900	0	50	0	0	37	0	70	80			268	224		0.08	296	238	7.9	7.4	7.4	226	270	262	0.61	260					
12	4,351	23	24	23	24	24	24	24	24	70	1600	0	50	0	0	47	0	70	90			270	244		0.14	284	240	8	7.5	7.5	228	264	274	0.61	240					
13	4,278	24	24	24	24	23	24	23	24	60	1200	0	50	0	0	39	0	60	60			276	260		0.12	288	266	8	7.5	7.5	256	282	282	0.57	240					
14	3,390	24	23	24	23	24	24	24	24	70	900	0	50	0	0	41	0	40	60			276	250		0.1	290	264	8	7.4	7.5	258	284	270	0.43	220					
15	3,470	24	24	24	24	24	23	24	23	70	900	0	50	0	0	39	0	60	60			276	258		0.08	270	250	8.2	7.6	7.6	260	284	280	0.33	230					
16	4,178	24	24	24	24	24	24	24	24		1000	0	50	0	0	40	0	70	70			260	240		0.15	256	238	8	7.3	7.3	238	260	270	0.57	250					
17	4,152	23	24	23	24	23	24	23	24	130	1200	0	50	0	0	39	0	80	80			248	242		0.08	250	258	7.9	7.4	7.5	252	272	262	0.57	260					
18	4,362	24	24	24	24	24	24	24	24		1000	0	50	0	0	48	0	90	90			248	226		0.07	256	250	7.9	7.5	7.5	236	250	262	0.61	260					
19	4,040	23	23	24	23	24	24	24	24	110	1100	0	50	0	0	48	0	70	90			250	226		0.14	265	230	8	7.5	7.5	230	260	280	0.66	260					
20	4,009	24	24	24	24	24	23	24	23	70	1100	0	50	0	0	35	0	60	80			272	248		0.07	268	264	8.1	7.5	7.5	238	282	280	0.61	240					
21	3,631	23	24	23	24	24	24	24	24	70	900	0	50	0	0	40	0	60	60			276	260		0.1	284	264	7.9	7.2	7.5	250	282	286	0.57	240					
22	4,020	0	24	24	24	23	24	23	24	70	900	0	50	0	0	35	0	70	70			270	238		0.16	272	236	7.9	7.4	7.4	254	320	260	0.61	240					
23	4,435	0	23	24	23	24	24	24	24	70	1200	0	50	0	0	36	0	80	80			258	248		0.1	264	244	7.9	7.4	7.6	242	282	270	0.57	240					
24	4,385	0	24	23	24	24	23	24	24	68	1100	0	50	0	0	38	0	70	70			262	248		0.18	264	250	7.9	7.5	7.5	254	284	260	0.85	240					
25	3,651	0	23	24	23	23	24	24	24	120	900	0	50	0	0	37	0	40	60			266	248		0.1	270	246	8.1	7.6	7.62	250	320	290	0.57	240					
26	3,436	0	24	24	24	24	24	23	23	77	1000	0	50	0	0	47	0	40	60			272	246		0.1	264	246	8.1	7.6	7.6	248	296	264	0.47	240					
27	3,644	0	24	23	24	24	24	24	24	35	800	0	50	0	0	35	0	40	60			280	270		0.1	270	248	7.7	7.2	7.4	270	296	270	0.57	260					
28	3,848	0	23	24	24	24	24	24	24	35	1000	0	50	0	0	36	0	40	60			270	262		0.12	156	274	7.8	7.4	7.5	262	284	276	0.76	270					
29	3,903	0	24	24	23	24	23	24	24	70	1300	0	50	0	0	42	0	60	60			250	230		0.09	252	234	7.7	7.4	7.5	252	280	264	0.71	270					
30	3,738	0	24	24	24	23	24	24	24	36	800	0	50	0	0	37	0	60	60			262	236		0.16	256	240	7.9	7.4	7.5	234	268	262	0.8	270					
31																																								
TOT	117455	504	714	714	713	713	714	714	715	1754	34200		1500			1201		1900	2060			7776	7170		3.11	7845	7286	238	223	224	7172	8196	7906	17.94	7350					
Avg	3915	17	24	24	24	24	24	24	24	58	1140			50.00			40.03		63	69			259	239		0	262	243	7.9	7.4	7.5	239.1	273	264	0.598	#####				

Power Costs	\$11,631.48
Labor Costs	\$30,110.25
Chemicals	\$13,382.58
Supplies	\$0.00
Repairs	\$8,704.75
TOTAL	\$63,829.06

Ave. Rate of Wash (Vert. in/min.)

I hereby certify the above to be correct
to the best of my knowledge.

Ave Wash Period (Minutes)

% Wash Water Used

1.49%

Signed

Steve Gray

DEQ Form # 630-577A

Revised 9/1/2000

Title

Water Treatment Plant Supervisor

Oper. Cert. No.

B 6824

Cost per thousand Gallons

\$0.54

Ave. Head Loss for Washing

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY OPERATIONAL REPORT
WATER TREATMENT PLANTS**

Population:	19,491
--------------------	---------------

☐ Yes, What date was the filter profile completed?

Day	TURBIDITY									RESIDUAL DISINFECTANT								COMMENTS
	RAW	SET	SET	2400-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	ENTRY POINT TO DISTRIBUTION						DISTRIBUTION		
										12am	4am	8am	12pm	4pm	8pm	SYSTEM		
1	6.61	1.1	1.9	0.03	0.04	0.04	0.03	0.03	0.03	2.33	2.38	2.37	2.30	2.22	2.25	1.87	1.60	7/10 rain
2	5.56	1.2	1.6	0.03	0.07	0.04	0.04	0.03	0.04	2.33	2.44	2.47	2.37	2.22	2.25	1.73	1.53	
3	7.22	1.2	2.6	0.04	0.04	0.04	0.04	0.03	0.03	2.26	2.38	2.35	2.38	2.38	2.34	1.68	2.04	
4	8.48	1.1	3	0.07	0.04	0.04	0.04	0.04	0.04	2.35	2.36	2.35	2.39	2.33	2.30	2.04	2.00	
5	13.98	1.8	2.2	0.04	0.05	0.04	0.04	0.04	0.04	2.34	2.38	2.48	2.46	2.34	2.19	1.43	1.55	
6	7.79	1.6	2	0.04	0.04	0.04	0.04	0.03	0.03	2.19	2.44	2.42	2.51	2.21	2.21	1.64	1.47	
7	6.15	1.2	1.6	0.08	0.03	0.03	0.03	0.03	0.03	2.25	2.38	2.42	2.41	2.33	2.21	2.11	1.99	
8	6.31	1.7	1.9	0.04	0.03	0.03	0.03	0.03	0.03	2.30	2.40	2.49	2.38	2.35	2.32	1.42	1.44	
9	6.77	1.8	2.4	0.07	0.03	0.03	0.03	0.03	0.03	2.32	2.50	2.44	2.28	2.24	2.23	1.83	1.99	
10	17.18	2	2	0.04	0.03	0.03	0.03	0.03	0.03	2.24	2.41	2.38	2.15	2.07	2.10	1.57	1.48	
11	6.71	1.1	2.4	0.03	0.03	0.03	0.03	0.03	0.03	2.13	2.19	2.22	2.32	2.18	2.34	1.81	1.53	
12	6.88	1.4	2.5	0.03	0.03	0.05	0.03	0.03	0.03	2.41	2.47	2.49	2.52	2.38	2.33	1.62	1.51	
13	4.54	1.8	1.6	0.04	0.03	0.03	0.03	0.03	0.06	2.36	2.47	2.50	2.40	2.31	2.24	1.76	2.16	
14	4.03	1	1.7	0.06	0.09	0.07	0.05	0.06	0.08	2.27	2.45	2.51	2.61	2.61	2.38	1.80	1.54	
15	2.71	1.3	2.4	0.08	0.03	0.03	0.03	0.03	0.03	2.39	2.58	2.64	2.58	2.34	2.44	1.46	1.51	
16	2.81	1.2	1.6	0.03	0.03	0.03	0.03	0.03	0.05	2.46	2.56	2.55	2.49	2.35	2.48	1.82	2.20	
17	4.85	1.1	1.9	0.07	0.07	0.03	0.03	0.03	0.03	2.52	2.69	2.73	2.57	2.45	2.52	1.97	1.61	
18	3.54	1.1	2	0.03	0.03	0.03	0.03	0.03	0.03	2.56	2.56	2.57	2.53	2.43	2.41	1.36	1.66	
19	2.98	1.1	1.8	0.05	0.06	0.05	0.04	0.04	0.04	2.44	2.43	2.44	2.42	2.21	2.19	1.78	1.71	
20	2.36	0.9	2.1	0.04	0.04	0.04	0.03	0.03	0.03	2.36	2.54	2.60	2.53	2.42	2.44	1.68	1.68	
21	2.15	2	2.6	0.04	0.03	0.03	0.03	0.03	0.03	2.46	2.67	2.73	2.68	2.66	2.53	1.65	1.66	
22	2.58	1.4	1.9	0.04	0.03	0.03	0.04	0.05	0.05	2.54	2.63	2.62	2.57	2.54	2.56	1.87	1.91	
23	2.44	1.1	2	0.07	0.04	0.06	0.09	0.06	0.09	2.58	2.77	2.72	2.72	2.53	2.51	1.75	2.13	
24	3.46	1.2	1.8	0.06	0.04	0.05	0.05	0.05	0.06	2.58	2.75	2.77	2.65	2.55	2.55	1.97	2.40	
25	3.55	1.8	2.3	0.07	0.07	0.06	0.04	0.05	0.06	2.68	2.72	2.80	2.91	2.70	2.47	1.83	2.45	
26	2.92	1.3	1.9	0.08	0.06	0.04	0.04	0.04	0.05	2.56	2.64	2.65	2.87	2.70	2.55	2.41	1.80	
27	2.61	1.2	1.5	0.07	0.03	0.04	0.04	0.04	0.04	2.59	2.68	2.71	2.75	2.66	2.58	1.79	1.95	
28	2.67	2.9	2.7	0.06	0.04	0.05	0.07	0.06	0.10	2.57	2.40	2.38	2.45	2.33	2.11	1.74	2.26	
29	7.88	3.4	3.2	0.08	0.04	0.06	0.07	0.08	0.09	2.11	2.22	2.14	2.12	2.02	1.97	1.84	1.87	
30	4.73	3.3	2.3	0.07	0.05	0.05	0.06	0.07	0.08	2.08	2.21	2.22	2.25	2.21	2.16	1.63	1.89	
31																		

COMPLETE THE TURBIDITY TRIGGER EVALUATION FORM AND ATTACH TO THIS MOR.



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 12/7/2016
To: Utilities Authority
From: Terry Condor, Wastewater Treatment Plant Superintendent
Re: Wastewater Treatment Plant Monthly Projects Report - November 2016

Council Information / Action Requested

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
WWTP Monthly Report November 2016	Cover Memo	12/7/2016



The City of Durant

Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

A: WORK COMPLETED IN NOVEMBER 2016

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS 11-22-16
- 3: CLEAN BLEND TANK MIXER 11-30
- 4: CLEAN EFFLUENT PUMP STATION (not needed)
- 5: CLEAN RAW WATER PUMP STATION (not needed)
- 6: CLEAN SCUM PUMP STATION 11-30-16
- 7: CLEAN DRAIN LIFT STATION 11-3-16
- 8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER 11-3-16
- 9: CALIBRATE DISCHARGE DO & PH METER 11-22-16
- 10: CHECK CALIBRATION OF DISCHARGE FLOW METER 11-14-16
- 11: RESET SBR PLC 11-19-16
- 12: WASH DOWN STEP SCREEN 11-22-16
- 13: CLEAN UV TROUGHS AND FLUME 11-17-16
- 14: CHECK ELECTRIC MANHOLES 11-29-16
- 15: CLEAN OUT BUILDINGS 11-22-16
- 16: MANUALLY CHECK U.V. BULBS 11-21-16
- 17: WASH DOWN CASINO STEPSCREEN 11-18-16
- 18: CHECK ALL AUTOMATIC VALVES 11-25-16
- 19: VEHICLE INSPECTION 11-21-16
- 20: WALK-THRU INSPECTION 11-17-16
- 21: CLEAN ALL PLC's 11-30-16
- 22: CLEAN D.O. METERS 11-29-16
- 23: CHECK CLARIFIER OIL WEEKLY 11-2-16
- 24: REPAIRED CLARIFIER ARM OIL LEAK 11-30-16
- 25: CONSTRUCTION COMPANY STARTED ON CHOCTAW LIFT STATION 11-28-16

TREATED 48.964 MG OF WASTEWATER
PROCESSED 872.744 KG OF TREATED SLUDGE

B: WORK PLANNED FOR DECEMBER 2016

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS
- 3: CLEAN BLEND TANK MIXER
- 4: CLEAN EFFLUENT PUMP STATION
- 5: CLEAN RAW WATER PUMP STATION
- 6: CLEAN SCUM PUMP STATION
- 7: CLEAN DRAIN LIFT STATION
- 8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER
- 9: CALIBRATE DISCHARGE DO & PH METER
- 10: CHECK CALIBRATION OF DISCHARGE FLOW METER
- 11: RESET SBR PLC
- 12: WASH DOWN STEP SCREEN
- 13: CLEAN UV TROUGHS AND FLUME
- 14: CHECK ELECTRIC MANHOLES
- 15: CLEAN OUT BUILDINGS
- 16: MANUALLY CHECK U.V. BULBS
- 17: WASH DOWN CASINO STEPSCREEN
- 18: CHECK ALL AUTOMATIC VALVES
- 19: VEHICLE INSPECTION
- 20: WALK-THRU INSPECTION
- 21: CLEAN ALL PLC's
- 22: CLEAN D.O. METERS
- 23: CHECK CLARIFIER OIL WEEKLY



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 12/7/2016
To: Utilities Authority
From: Terry Condor, Wastewater Treatment Plant Superintendent
Re: Wastewater Treatment Plant Monthly Lab Report - November 2016

Council Information / Action Requested

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
wwtp lab	Cover Memo	12/7/2016



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

Lab Tests Processed

<u>92</u>	Bac-t's
<u>84</u>	BOD's
<u>20</u>	TSS's
<u>14</u>	NH3's
<u>8</u>	DO's
<u>4</u>	Ph's
<u>0</u>	Fecal Coliforms (May 1 st – Sept. 30 th)
<u>0</u>	FOG's

Work Projects

- Data entry
- Reports (water test results), Make copies and envelope
- Purchase Orders, copy, file
- Equipment calibrations and maintenance
- Sampling and process readings
- Quality Assurance, Quality Control tests
- Laboratory Testing
- Filing
- Daily/Weekly laboratory and WWTP building cleaning
- Monthly, Quarterly, Bi-annual, Yearly reports
- Ordering Lab chemicals and supplies
- Water Billing
- Storm water monitoring
- Pretreatment

Durant Wastewater Influent & Effluent Results

Date Tested: 11/30/16

BOD INFLUENT (RAW) - 75 mg/L
TSS INF. (RAW) - 308 mg/L
AMMONIA NITROGEN INF. (RAW) - 29.7 mg/L
CBOD EFFLUENT (FINISH) - 2.0 mg/L
TSS EFF. (FINISH) - 2.5 mg/L
AMMONIA NITROGEN EFF. (FINISH) - 0.3 mg/L
FECAL COLIFORM EFF. (FINISH) - 0 & 0 CFU/100ml (May 1st – Sept. 30th)

Date Tested: 11/9/16

BOD INFLUENT (RAW) - 34 mg/L
TSS INF. (RAW) - 100 mg/L
AMMONIA NITROGEN INF. (RAW) - 39.7 mg/L
CBOD EFFLUENT (FINISH) - 2.0 mg/L
TSS EFF. (FINISH) - 2.5 mg/L
AMMONIA NITROGEN EFF. (FINISH) - 0.7 mg/L
FECAL COLIFORM EFF. (FINISH) - 0 & 0 CFU/100ml (May 1st – Sept. 30th)

Date Tested: 11/16/16

BOD INFLUENT (RAW) - 135 mg/L
TSS INF. (RAW) - 124 mg/L
AMMONIA NITROGEN INF. (RAW) - 45.8 mg/L
CBOD EFFLUENT (FINISH) - 4.65 mg/L
TSS EFF. (FINISH) - 2.5 mg/L
AMMONIA NITROGEN EFF. (FINISH) - 0.3 mg/L
FECAL COLIFORM EFF. (FINISH) - 0 & 0 CFU/100ml (May 1st – Sept. 30th)

Date Tested: 11/23/16

BOD INFLUENT (RAW) - 128 mg/L
TSS INF. (RAW) - 96 mg/L
AMMONIA NITROGEN INF. (RAW) - 42.2 mg/L
CBOD EFFLUENT (FINISH) - 2.0 mg/L
TSS EFF. (FINISH) - 2.5 mg/L
AMMONIA NITROGEN EFF. (FINISH) - 0.3 mg/L
FECAL COLIFORM EFF. (FINISH) - 0 & 0 CFU/100ml (May 1st – Sept. 30th)



The City of Durant

Office of City Clerk

Memorandum

Date: 12/9/2016

To: Utilities Authority

From: Kelly Hawthorne, Utility Billing Supervisor

Re: Utilities Monthly Report - November 2016

Attachment not available. Please check back.

Council Information / Action Requested

City Staff Information / Action Follow-up, if Council authorizes this action: