

What to Expect When Your Wastewater Facility is Inspected

June 12, 2025

Logistics

Using the control panel

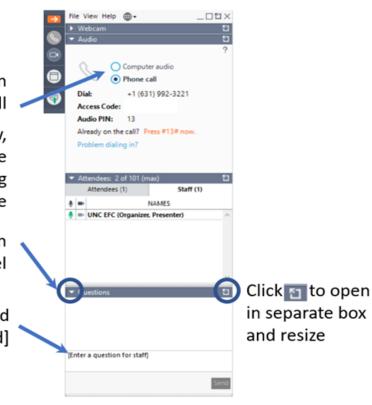


Audio: please choose between computer audio or phone call

If you do not hear audio right now, please check your speaker volume or enter #[your Audio PIN]# if using phone

Click **≥** to open in Control Panel

Submit **questions** in the Questions box at any time, and press [Send]



Certificate of Completion

This session has **NOT** been submitted for pre-approval of Continuing Education Credits, but eligible attendees will receive a certificate of attendance for their personal record.

To receive a certificate:

- You must attend the entire session
- You must register and attend using your real name and unique email address group viewing credit will not be acceptable
- You must participate in polls
- Certificates will be sent via email within 30 days

If you have questions or need assistance, please contact smallsystems@syr.edu.



About Us

The **Environmental Finance Center Network (EFCN)** is a university- and non-profit-based organization creating innovative solutions to the difficult how-to-pay issues of environmental protection and water infrastructure.

The EFCN works collectively and as individual centers to address these issues across the entire U.S, including the 5 territories and the Navajo Nation. The EFCN aims to assist public and private sectors through training, direct professional assistance, production of durable resources, and innovative policy ideas.



Overview

- EPA or your State regulator can and will inspect your NPDES facility
 - Non-NPDES facilities (evaporative lagoons, reuse, etc.) likely State-Only
 - Be prepared
- Don't panic!
- Understand how the inspection will play out
- Know what the inspector is looking for and why
 - Review copies of past inspection reports/forms
 - o If part of a *multimedia* inspection e.g. RCRA may need other staff involved
- Help the inspector understand your operation

Poll 1 – Where Are You Employed?

- Local Government Operations or Management
- Industry
- State/Federal Government
- Consulting
- Other



Inspections By Regulators Are Allowed

- State or EPA officials have authority to inspect
 - Must be at reasonable times
 - Typical workday hours
 - Present credentials
 - EPA always
 - State mixed
 - You can require credentials

- 40 CFR 122.41(i)
- Inspection and entry. The permittee shall allow the Director, or an authorized representative (including an authorized contractor acting as a representative of the Administrator), upon presentation of credentials and other documents as may be required by law, to:
 - 1) Enter upon the permittee's premises
 - 2) Have access to and copy any records
 - 3) Inspect any facilities, equipment, practices, or operations regulated under the permit
 - 4) Sample or monitor any substances or parameters at any location to determine permit compliance.

What is the Goal of an Inspection?

- Determine compliance status w/permit conditions and requirements
 - o Don't forget about the General, Standard, and Supplemental Conditions
- Verify accuracy of information submitted by permittee
- Verify adequacy of sampling/monitoring by the permittee
- Gather evidence to support enforcement actions
- Assess compliance with orders, decrees, schedules of compliance



Why Was I Chosen for Inspection?

- Generally
 - State regulators
 - Are obligated to inspect your facility every 1 to 5 years
 - More complex facilities more often
 - Issues that may prompt more frequent inspections:
 - An upset at your facility
 - ➤ A complaint about your facility
 - Out of compliance with DMRs
 - ✓ Particularly if the reason provided for noncompliance is "I don't know why"
 - > Excessive sanitary sewer overflows (SSOs)
 - > Frequent operational problems
 - Verification of progress on a schedule of compliance (SOC)



Why Was I Chosen for Inspection?

- Generally
 - EPA regulators
 - Tend to target facilities based on certain characteristics
 - ➤ Significant bypass/SSO
 - > Facilities with significant noncompliance (SNC)
 - Any upset, spill, or bypass covered by the press
 - > Specific Industries e.g., may have emphasis on petroleum refineries one year
 - May be a request from state agency
 - > Particularly if it may result in a criminal investigation
 - Why?
 - Want to make the most of their resources



State vs EPA Inspections – My Experience

U.S. EPA Interim Revised NPDES Inspection Manual | 2017

Inspectors

- You will d
- Generally
- Often "anr
- Will likely k
 - o They or a
 - They have
- Will not rec
 - If they mis
 - They may
- Tend to fod
- May or ma
- Inspection

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Chapte	r 1 – INTRODUCTION
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В.	Inspection Types3
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of inspection

ations to the letter

ver see the EPA Inspector again

shot of your operations so they will

tions

lations/permit compliance

o receive

d more detailed



Inspection Format – State or EPA

- Entrance interview
 - Good to have management and operations staff attend
 - Inspector explains the nature of their visit and what to expect
 - Sometimes, it might only be a sampling inspection;
 - Others may be full records and operational review or both
- You will need to provide requested records
- Must provide access to any facilities/equipment covered by the permit
 - You should accompany and explain operations
 - Inspectors usually take pictures and/or videos to document their observations
- Allow them to set up sampling equipment/take samples
- Exit meeting generally explain findings
 - Should explain there may be additional findings in the written report



Inspection Format – Entrance Interview

- Good to have plant management and operations staff attend
- Ask questions if you have them
 - Ask for copy of their inspection checklist should be a public record
- Alert inspector to any current issues e.g.
 - A treatment unit down, a plant upset, etc.
- If records are kept off site, let the inspector know
 - Arrange to have records delivered to the plant or
 - For the inspector to go to the records storage facility
- Inspector will want to know if new additions to influent
 - Hydraulic, organic, inorganic
- Any additional information you think would be valuable to know
 - Good to have plant flow diagrams to explain plant SCADA displays can work too

Inspection Format – Entrance Interview

			ACT	IVA	ΓED :	SLUDGE	
	1					alth and Environment	
		(ansas Water	r Pollu	tion C	ontrol	Facility Inspection Report	
I. General Informa	ition						
Inspection Date:			I	nspecti	ion Tim	e: KWPC Per	rmit No.
KDHE Representa	ative:						
Facility Name:							
Facility Mailing A	ddress						
Design Capacity:					Curr	ent Population:	
WWTP Classificat	tion:				Last	Inspection Date:	
II. Contacts / Resp	onsible Sta	ff / Certified	Onera	tors			
Name	Present	Title	Орега	Certi	fication	Email Address	Telephone No.
			_				
Description a. Does the level of	of staff soutif		Yes	No	N/A	Comments	
a. Does the level of comply with K.							
II. Facility Inform	nation_						
Description				Yes	No	Comments	
a. Is the facility de accurate?	scription in	the permit					
b. Briefly describe							
 Describe any cl facility since th 			vemen	ts to th	ie		
/. Operation and	Maintenan	ce					
Description			Yes	No	N/A	Comments	
a. Does the facility hydraulic capacity		ate					
b. Are all units in	service (exce	pt backup)?					
c. Are operation a available?	nd maintena	nce manuals					
d. Is flow measure	ement presen	it?					
e. Is flow measure	ement device	operable?					
Description					Cor	nments	
f. How is influent I	peing measu	red?					
² g 1 of 8							Revision No. 2.

g.	How is effluent being me	asured?			\neg				
h.	What is the last date of	calibration	of the flow	meter(s)?				
i.	Describe (or attach diag	gram if avail	lable) locat	ion of					
j.	Flow Measurement								
,		MGD	Date Re	corded	ı c	ommen	ts		
		mos	Date Itt	COLUCT	-				
<u> </u>	Average Daily Flow				\rightarrow				
L	Minimum Daily Flow								
	Maximum Daily Flow								
v.	Influent / Effluent								
De	scription			Yes	No	Comm	ents		
a.	Has there been or are th								
	significant changes in t and / or quantity?	he influent	quality						
b.	Describe the effluent an	d its effect	on the rec	eiving					
C.	stream. Identify or discuss any	high streng	th or probl	em					
Ū.	user of the collection sy		nii oi piooi						
VI.	Sampling								
De	scription				Yes	No	Com	ments	
a.	Identify the location wh influent and effluent for multiple points if applic	permit con							
b.	Are sample location(s)	•							
c.	Do the plant personnel compliance monitoring and analyzes samples a	testing? If	no, who co	llects					
d.	Is each laboratory certif								
e.	Are the sample collection	on methods	adequate'	?					
f.	Was a sample collected inspection?	for analysi	s during th	ne .					
g.	Has the permittee been KWPC Permit effluent li inspection?								
/II.	Reporting and Record	dkeeping							
Des	cription				Yes	No	N/A	Comments	
a.	Is a copy of the KWPC I	Permit avail	able?						
b.	Have all Discharge Mon submitted to KDHE on t		orts been						
c.	Are Discharge Monitori	ng Reports	available?						
d.	Are the Discharge Moni for three (3) years?	toring Repo	orts mainta	ined					
						_			
e.	Are records of laborator maintenance maintaine								



Pg 2 of 8

Inspection Format – Entrance Interview



Pre-Inspection Checklist Wastewater Treatment Plants (WWTPs)

Your wastewater treatment plant is due for a routine inspection. Please complete the checklist and return it to the ADEQ inspector prior to the followup phone call. Completion of this checklist and any associated corrective actions may increase compliance.

WWTP Name:	Permit #:	Date:	
Name and title of person completing form:			

Missing forms, plans or templates? Visit azdeq.gov/forms or click below:



Contingency Reporting Form Contingency Plan Template Well Maintenance Guidance

Go paperless! Managing your permits and reporting is easier than ever with myDEQ. Login or register today at azdeg.gov/myDEQ

Easily addressed common deficiencies:

- · Not having a current copy of the signed APP permit on-site
- Non-submittal of Self-Monitoring Reporting Forms (SMRFs)
- · Non-submittals of both 5-day notifications and 30-day investigative reports
- Failure to have a contingency plan on-site
- · Not maintaining a lab book on-site
- Failure to maintain WWTP in good working condition
- · Operations & maintenance



Failure to



Scum floating in



Poorly sealed



Bar screen full







Missing reclaim





Pre-Inspection Checklist Wastewater Treatment Plants (WWTPs)

General Paperwork Review

Do you have the following documents on-site and available at the time of inspection?

```
OYes ONo 1. Signed Aguifer Protection Permit (APP)
OYes ONo 2. Operation & Maintenance (O&M) Manual(s)
OYes ONo 3. Ten (10) years of records
OYes ONo 4. Contingency plan
OYes ONo 6. Records:
OYes ONo
                a. Sampling
OYes ONo
                b. Log books
OYes ONo
                c. Bench log sheets
                d. Lab work; including lab results and quality assurance plan (QAP)
```

OYes ONo e. Lab methodology OYes ONo f. Ten (10) years

OYes ONo g. Sanitary sewer overflows (SSOs) OYes ONo 7. Operator certification(s)

Physical Facilities

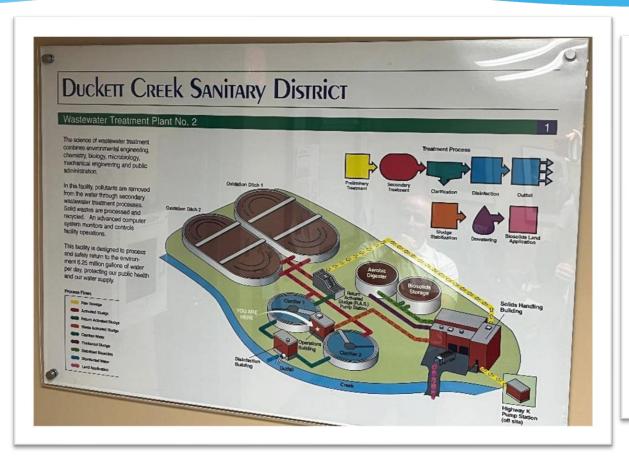
Perform a walk-through of your systems and verify that the following components are installed and in good condition (if applicable

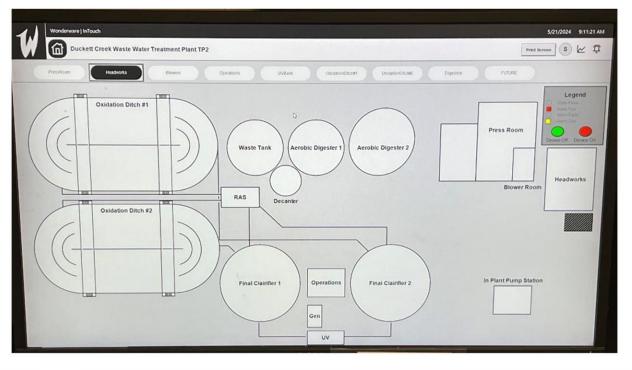
in good condition	(п аррисавіе).
○Yes ○No ○N/A	1. Headworks: functioning bar screen, grit chambers and removal, etc.
OYes ONo ON/A	2. Equalization basin(s): functioning, matching permitting
○Yes ○No ○N/A	3. Aeration, Nitrification, Oxidation ditches: good aeration, chocolate milk color
○Yes ○No ○N/A	4. Anoxic and Denitrification: no bubbles
OYes ONo ON/A	5. Clarifiers: primary/secondary, floating solids and scum, algae growth, weirs
OYes ONo ON/A	Process pumps: return/waste activated sludge (RAS/WAS) properly working
OYes ONo ON/A	7. Disinfection: chlorination and/or UV as permitted, UV bulbs burned out, etc.
OYes ONo ON/A	8. De-chlorination: properly stored, adequate mixing
○Yes ○No ○N/A	9. Digesters: (an)aerobic, no uniform aeration, temperature outside range, etc.
○Yes ○No ○N/A	Sludge removal: sludge drying beds, centrifuges, presses, etc.
OYes ONo ON/A	11. Facultative/treatment impoundments: maintained, liner integrity, freeboard
OYes ONo ON/A	12. Storage/disposal ponds: vegetation, liner integrity, berms, etc.
○Yes ○No ○N/A	13. Point of Compliance (POC) wells: maintained, protected, pad in good shape etc.
○Yes ○No ○N/A	14. Flow meters: inflow/outflow, properly calibrated
OYes ONo ON/A	15. Reuse: proper signage, no ponding or interaction with humans, etc.
OYes ONo ON/A	16. Lab reagents: pH and specific conductance not expired
	d "No" to any of the above questions, list the corrective action(s) taken to address the sit

any deficiencies have not been addressed, please provide a brief explanation why. Use additional paper if needed.



Explain Your Plant







- Copy of current permit
- Staffing levels
 - Copy of operator license(s) (if state has operator certification program)
- Records requiring storage of at least 3 years
 - Discharge Monitoring Reports (DMRs)
 - Lab reports
 - Permittee lab <u>and</u> Commercial lab
 - Electronic data entry verification
 - Bypass and SSO reports
 - Equipment calibration reports e.g., flow meters and probes
 - Equipment maintenance reports
 - Permit-required reports e.g., schedule of compliance reports
- 503 Biosolids reports must be kept 5 years
- Collection system map





Pace Analytical Services, LLC 9608 Loiret Blvd, Lenexa, KS 66219 (913)599-5665

October 17, 2024

Josh Toevs City of Lawrence Kansas 1400 E 8th Street Lawrence, KS 66044

RE: Project: PRIORITY POLLUTANTS-Revised Report

Pace Project No.: 60460551

Dear Josh Toevs:

Enclosed are the analytical results for sample(s) received by the laboratory on September 16, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- · Pace Analytical Services Indianapolis
- · Pace Analytical Services Kansas City
- · Pace Analytical Services Ormond Beach

REVISED to include additional analyte by 625,1 on sample 60460551001, 1,2-diphenylhydrazine

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

Sincerely,

alice Spiller

Alice Spiller alice.spiller@pacelabs.com (913)599-5665 PM Lab Management



Pace Analytical Services, LLC 9608 Loiret Blvd. Lenexa, KS 66219 (913)599-5665

ANALYTICAL RESULTS

PRIORITY POLLUTANTS-Revised Report

Endosulfan sulfate

Endrin aldehyde

Endrin ketone

Endrin

ND

ND

ND

ND

Sample: E 1625-N 1550	Lab ID: 604	60551001	Collected: 09/16	/24 09:3	9 Received: 09	3/16/24 13:09	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608.3 PCB	Analytical Meth	nod: EPA 60	08.3 Preparation M	ethod: E	PA 608.3			
	Pace Analytica	Services -	Indianapolis					
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	1	09/19/24 18:26	09/24/24 22:39	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.10	1	09/19/24 18:26	09/24/24 22:39	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	1	09/19/24 18:26	09/24/24 22:39	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	1	09/19/24 18:26	09/24/24 22:39	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	1	09/19/24 18:26	09/24/24 22:39	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	1	09/19/24 18:26	09/24/24 22:39	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	1	09/19/24 18:26	09/24/24 22:39	11096-82-5	
Surrogates								
letrachloro-m-xylene (S)	54	%.	1-112	1	09/19/24 18:26	09/24/24 22:39	877-09-8	
608.3 Pesticides	Analytical Meth	nod: EPA 60	08.3 Preparation M	ethod: E	PA 608.3			
	Pace Analytica	Services -	Indianapolis					
Aldrin	ND	ug/L	0.050	1	09/19/24 18:26	09/24/24 21:59	309-00-2	H7,L2
alpha-BHC	ND	ug/L	0,050	1	09/19/24 18:26	09/24/24 21:59	319-84-6	
beta-BHC	ND	ug/L	0.050	1	09/19/24 18:26	09/24/24 21:59	319-85-7	
delta-BHC	ND	ug/L	0.050	1	09/19/24 18:26	09/24/24 21:59	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	1	09/19/24 18:26	09/24/24 21:59	58-89-9	
Chlordane (Technical)	ND	ug/L	0.50	1	09/19/24 18:26	09/24/24 21:59	57-74-9	
alpha-Chlordane	ND	ug/L	0.050	1	09/19/24 18:26	09/24/24 21:59	5103-71-9	N2
gamma-Chlordane	ND	ug/L	0.050	1	09/19/24 18:26	09/24/24 21:59	5103-74-2	N2
4,4'-DDD	ND	ug/L	0.10	1	09/19/24 18:26	09/24/24 21:59	72-54-8	
4,4'-DDE	ND	ug/L	0.10	1	09/19/24 18:26	09/24/24 21:59	72-55-9	
4,4'-DDT	ND	ug/L	0.10	1	09/19/24 18:26	09/24/24 21:59	50-29-3	
Dieldrin	ND	ug/L	0.10	1	09/19/24 18:26	09/24/24 21:59	60-57-1	
Endosulfan I	ND	ug/L	0.050	1	09/19/24 18:26	09/24/24 21:59	959-98-8	
Endosulfan II	ND	ug/L	0.10	1	09/19/24 18:26	09/24/24 21:59	33213-65-9	

0.10 1 09/19/24 18:26 09/24/24 21:59 1031-07-8

0.10 1 09/19/24 18:26 09/24/24 21:59 72-20-8

0.050 1 09/19/24 18:26 09/24/24 21:59 76-44-8

0.10 1 09/19/24 18:26 09/24/24 21:59 7421-93-4

0.10 1 09/19/24 18:26 09/24/24 21:59 53494-70-5 N2



									ORTHO- I	HOS-	AMMO	INIA	FL M	OW GD	NITRATE	NITRITE	TOTAL	TOTAL KJEL NIT		ORP AIR ON	- 4		ORP AIR OF	MAY 20	7	ч	TS	88							
T		ORTHO- PHOS	PHOS- PHORUS	A	MMONIA		.OW IGD	NI						VATED					12	MSIN	13	11	MSIN	15			æ			Y BOD PM		D.O. PPM			BLOWER
DAIE	TIME	EFFLUENT	EFFLUENT	RAW	EFFLUENT	EFFLUENT	RETURN ACTIVATED SLUDGE	16 D	EFFLUENT	EFFLUENT	RAW	ELUENT EFFLUENT	EFFLUENT	RETURN ACTE	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	SOUTH DE INL	IIS ARGUND B	NORTH OF INI	SOUTH DF IN.	113 ARDUND B	NORTH OF IN	INFLUENT	EFFLUENT	MIXED FICKNO	HAS	EFFLUENT COMP BOD	RAW COMP BOD	EFFLUENT	MIXED LIQUOR HIGH	MIXED LIQUOR LOW	# OF BLOWERS IN USE	ON TIME (in min)
1	1:30 PM		10	28.70	0.047	1.706	1.562	C ^S	11.7		W	6.11			8.71	. 82	1														7.60	0.755	0.622	2	60.0
2					0.043	1.383	1.405	63	7.85			-39			10.0	.740						To the last					S-1120		3.47	33				2	60.0
				3.91	0.022	3.202	1.685	10				.052			カキ																			2	60.0
						3.813	1.919	20	5.40			1035			Dit	-203																		2	60.0
1						3.300	1.776																			10.8								2	60.0
1						2.384	1.788	30				,23L																						2	60.0
1						1.872	1.807	30				3.76			-				1000															2	60.0
1	11:00 AM	11	6.15/11.	19.70	.054/.029/.051	1.092	1.830	.57 45			43.3	288		-		+															7.04		<u> </u>	2	60.0
1												0.00			100																_	<u> </u>	<u> </u>	2	60.0
4								50	48.4			6.91			3.5	150								100							_	<u> </u>			<u> </u>
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State of Missouri Department of Natural Resources National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR)

St. Louis Regional Office 7545 South Lindbergh, Suite 210 St. Louis, MO, 63125

Permit Number	Outfall Number
МО	001M
Monitori	ng Period
2/1/25	2/28/25
NODI:	****

Parameters		Reporting Requireme	ents	Unit	Reporting	Requirements	Unit
Flow, in conduit or thru treatment plant	****	****	****	****	5.42	4.96	Mgal/d
Mon. Location End of Pipe	*****	*****	****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Total Measured Frequency: Weekdays							
BOD, 5-day, 20 deg. C	****	6.65	5.4	mg/L	****	****	****
Mon. Location End of Pipe Sample Type: 24 Hour Composite Frequency: Twice Every Week	*****	Weekly Avg.:15	Monthly Avg.:10		*****	*****	
Total Suspended Solids (TSS)	****	3	1	mg/L	****	****	*****
Mon. Location End of Pipe Sample Type: 24 Hour Composite Frequency: Twice Every Week	*****	Weekly Avg.:20	Monthly Avg.:15		*****	******	



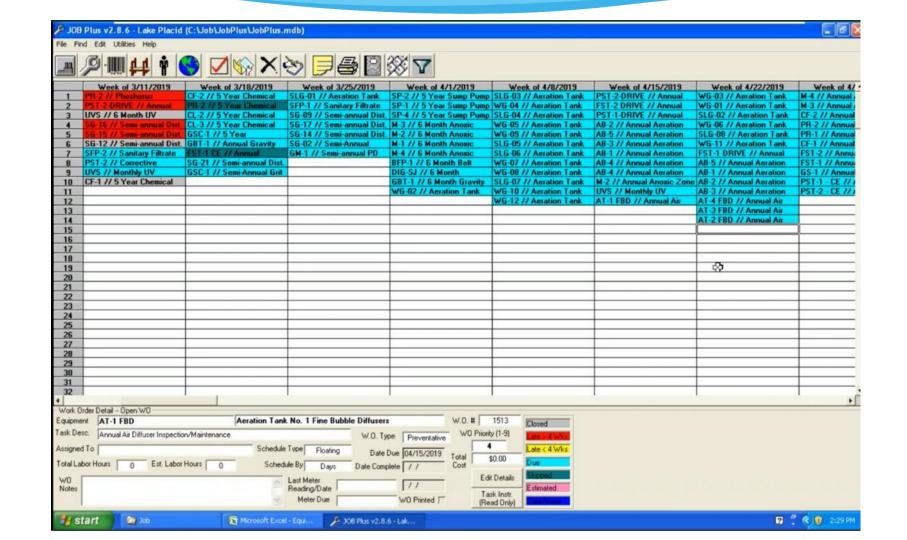
- Reports used to complete the permit application
 - Toxicity analysis if required
 - Priority Pollutant Analysis
- O&M manuals
 - Rarely reviewed, just verify they exist
- Emergency plans
- Maintenance records if electronic may need to show how recorded
 - Treatment equipment
 - Lab equipment
 - o Etc.



Weekday Lagoon Checklist

Date	Influent Structure Clean	Dikes Issues	Green Color	Excess Odors	Excess Effluent Solids	Comments	Initials
4/1/2024	7	N	Y	N	\wedge		BB
4/2/2024	У	N	4	N	2	2	BB
4/3/2024	Yes	И.	Y26	No	Yes	1. Hosed down splitter - 2. Lots of algae.	177
4/4/2024	7	N	4	N	4	ALGAE	BB
4/5/2024	Y	N	4	N	X	NO DISCHARGE	BB
4/8/2024							
4/9/2024						^	
4/10/2024							_
4/11/2024						3 g	







- Determine if the facility matches the permit description
- Generally, follow the flow from the influent to the effluent
- Sometimes makes sense to go out of order suggest that if appropriate
 - Example if solids processing is only taking place for a limited time, view first if operating
- Will want to observe flow monitoring point(s)
 - Influent and effluent
- Will want to observe sample monitoring points
 - Are they as described in the permit?
 - If composite sampling is required by the permit:
 - Are compositors on-site?
 - Are they refrigerated?
 - Are they time or flow weighted (should be specified in the permit)

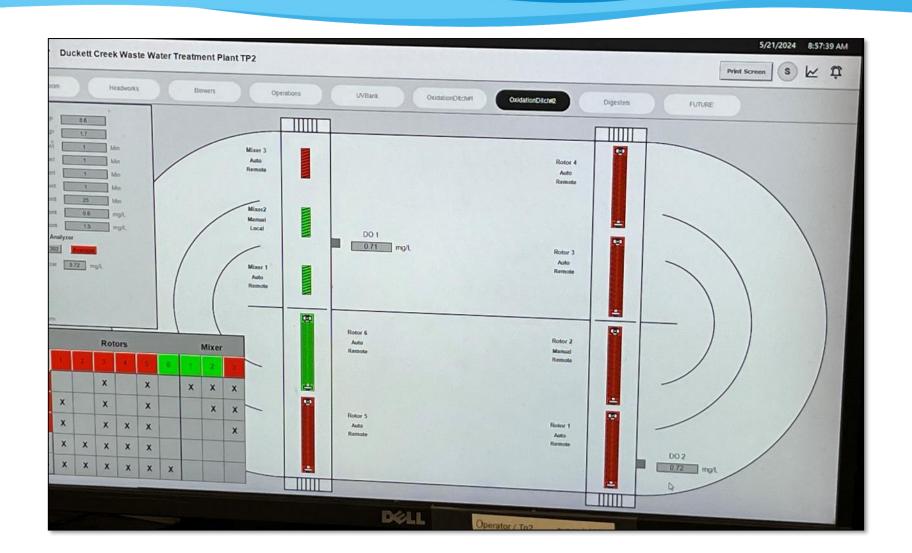


- Housekeeping good housekeeping generally leaves a better impression of your plant with the inspector
- Spare parts inventory
- Are all units operational?
 - 40 CFR 122.41(e) requires the permittee to "at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit."
 - I have seen some inspectors interpret this to mean all units must be operating
 - I do not believe that is the intent
 - > For example:
 - \checkmark At a plant with 4 final clarifiers, flows may be low enough that it is more efficient to run only 2 or 3
 - ✓ As long as permit limits are met <u>and</u> the non-functioning clarifiers can be called into duty, that is OK
- o If a unit is down for repair, tell the inspector the reason and when repairs are expected to be made
 - Hopefully, you have let the regulatory agency know



Non-Functioning Secondary Clarifier



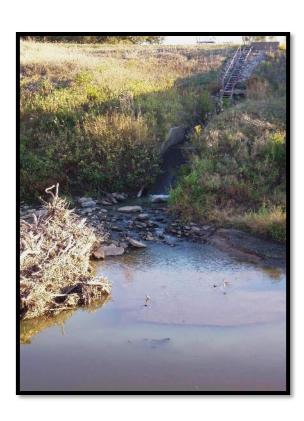




- What type of sampling is done for operational control
- Visual observations
 - Clarifier arms moving
 - Aeration even
 - Color of activated sludge/fixed film
 - Scum/foam present
 - Odors
 - Disinfection UV lights on or chlorinator/de-chlorinator operating
 - Solids handling thickeners, belt presses, drying beds, etc.



- Evidence of overflows/spills dried solids, standing water/sewage
- Back up power available?
 - Is there an exercise plan?
- o The outfall
 - Color
 - Solids
 - Smells
- o Receiving water
 - Color
 - Solids build up
 - Smells
 - Aquatic life





- Laboratory if applicable
 - Testing procedures are they approved methods?
 - Maintenance records
 - Certifications if applicable
 - Calibration records
 - Compliance with any state-specific regulations



- Stormwater
 - Visual observation debris, oil sheen, spilled solids, gulleys, etc. at discharge from property
 - Best Management Practices (BMPs)
 - Pollutants under cover of a roof or awning?
 - Secondary containment for storage tanks, drums, or totes?
 - Stormwater routed around property?
 - Any required records maintained?



- What about lagoons/waste stabilization ponds?
 - o Are water levels even and below the freeboard level?
 - Influent structure clean and splitting flow?
 - Transfer pipes screened?
 - Dikes
 - o Good integrity?
 - o Mowed?
 - o Liner intact (if applicable)?
 - o Animal destruction?
 - Short circuiting
 - Effluent
 - o Green?
 - Solids







Inspection Format – Exit Meeting

- Exit meeting should summarize initial findings/impressions:
 - Any noncompliance observed
 - May not be able to assess all compliance on site, so may include additional items in the written report
 - If serious enough, could issue a notice of violation on site
 - Items that may need improvement e.g. cleaning clarifier weirs
 - o If plant staff unable to provide some information during the inspection, what information needs to be provided by a fixed date e.g. inspector may want to know the volume of a basin
 - Any questions the owner/operator may have
 - Always clarify if any item identified represents
 - Noncompliance with mandatory corrections, or
 - Recommendations



What Comes Next

- The inspector's next steps
 - Issue a notice of violation or letter of violation
 - Issue an inspection report and the expected date for additional requests
 - Follow up inspection if needed
- Your next steps
 - Carefully review the report
 - If additional information required provide
 - Again, identify what is a <u>requirement</u> and what is a <u>recommendation</u>
 - If requirements you must address
 - If recommendations address as you think best
 - If clear errors exist respond in writing with corrections
 - If difference of opinion, perhaps let it go



Poll 2 – What is the Records Storage Requirement?

- Forever
- 5 years in most cases
- 3 years in most cases
- Until your next inspection



My Tips for Inspections

- Don't panic or be confrontational
 - Have a conversation with the inspector(s)
- Understand your permit requirements
- Be able to produce all required records
- Know the operational status of all treatment units
- Be able to explain your plant operation
 - Flow diagrams, pictures are a big plus
- BE HONEST
 - If you know there are problems discuss them



If You Cannot Sleep at Night

- EPA NPDES Compliance Inspection Manual 918 pages
 - o https://www.epa.gov/sites/default/files/2017-01/documents/npdesinspect.pdf



Thank You! Mike Tate, PE

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