

## State of Louisiana

# DEPARTMENT OF ENVIRONMENTAL QUALITY OFFICE OF ENVIRONMENTAL COMPLIANCE

#### Southeast Regional Office Hazardous Waste Compliance Inspection Report

Inspection Date:	04/12/2023; 04/24/2023	Incident No.:		13615; T21 13972; T21	
AI No.: 5673		Alt. ID/ Permit No	.: LA	D9815118	50
Facility Name:	Sewerage & Water Board of Plant	of New Orleans – Ca	arrollto	n Water Pu	rification
Physical Location	: 8800 S. Claiborne Avenu	e			
	New Orleans	LA P	arish:	Orleans	
	(City)	(State)			
Mailing Address:	8800 S. Claiborne Avenue	New Orleans		LA	70118
Facility Represent		(City) s / Environmental E Senior MS4 Manag		(State) ment Tech.	(Zip)
Facility Represent	ative Telephone No.: 50	4-865-0662			
LDEQ Lead Inspe	ector: Von A. Magee				
Other Inspectors:	Daniel Cristina	<u> </u>			
	1/ 12				
Report By:	V- /-			(Date)	23
	Von A. Magee, Environment	al Scientist IV		(Date)	
Reviewed By:	) wull	VL		62	123
I	Dionne Magness, Environme	ntal Scientist Super	visor	(Date)	•

AI Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant Alt. ID/Permit No.: LAD981511850 Date of Inspection: 04/12/2023; 04/24/2023

#### INTRODUCTION

Between 04/09/2023 through 05/19/2023, LDEQ received multiple complaints (T213615; T213760; T214194) regarding a release of oil from the Turbine 5 exhaust stack at the Sewerage and Water Board of New Orleans (SWBNO) Carrollton Water Purification Plant. According to the complaints, oil droplets are spraying from the exhaust stack and impacting adjacent homes, cars, and property along Spruce Street.

Additionally, the SWBNO self-reported a release which occurred on 05/01/2023 at approximately 11:00:00. Among other information, this notification also indicates the possibility of remedial action achieved via wiping and/or washing of surfaces.

Reported discharge dates and times provided with the complaints/notifications are as follows:

Complaint Number	Discharge Date	Noticed Time Began	Noticed Time Ended	Notes:
T213615	04/09/2023	09:00:00	05:00:00	Reported by complainant (Attachment 1)
T213760	04/18/2023	06:30:00	07:45:00	Reported by complainant (Attachment 1)
Complaint to EPA-ECHO	04/30/2023	Sometime	e overnight	Reported by complainant (Attachment 1)
T213972	05/01/2023	11:00:00	Not Provided	Reported by SWBNO (Attachment 1)
T214194	05/17/2023	05:00:00	08:00:00	Reported by complainant (Attachment 1)

#### FACILITY INFORMATION

This facility is owned and operated by Sewerage and Water Board of New Orleans (SWBNO). The facility is located at 8800 S. Claiborne Avenue, New Orleans, Orleans Parish and treats raw river intake water for treatment into drinking water via a coagulation, flocculation, disinfection, and filtration treatment process.

Additionally, the onsite power plant produces power via boilers to drive steam turbines which generate electricity. Power generated supplies some of the potable water inlet pumps and most of the drainage pumping station system for the City of New Orleans.

Turbines T4 and T5 are required to produce 25 cycle power to the equipment/pumps utilized for drainage. Currently turbine T4 is not operational and T5 is being utilized.

#### Compliance History

The following Enforcement Actions were issued:

- Compliance Order WE-C-18-00624 on 05/03/2019 (EDMS Document ID# 11651815);
- Compliance Order AE-C-19-00536 on 10/08/2020 (EDMS Document ID# 12389659);
- Compliance Order WE-C-21-00834 on 04/13/2022 (EDMS Document ID# 13225854);
- Warning Letter AE-L-22-00365 on 04/25/2022 (EDMS Document ID# 13263624);
- Compliance Order HE-C-22-00472 on 07/20/2022 (EDMS Document ID# 13386667); and
- Notice of Potential Penalty WE-PP-23-00163 on 03/15/2023 (EDMS Document ID# 13734857).

Compliance Order HE-C-22-00472 is also relevant to oil releases from turbine T5.

AI Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant Alt. ID/Permit No.: LAD981511850 Date of Inspection: 04/12/2023; 04/24/2023

#### AREAS EVALUATED

This inspection was conducted to document observations following the afore mentioned series of complaints with regard to oil discharges from the turbine T5 exhaust and also to obtain relevant information as follow-up to the conditions and responses in-line with previously issued Compliance Order HE-C-22-00472. I conducted a file review of the EDMS database to review the relevant compliance order and associated facility responses. LDEQ Enforcement Division was consulted with regard to obtaining specific follow-up information relevant to the previously mentioned compliance order.

The inspection included a review of the facility response to Compliance Order HE-C-22-00472 (EDMS Document ID# 13449186); observations of vehicles and residences along Spruce Street; an on-site discussion with Ms. Anita Williams; and email correspondences with facility personnel to request relevant records and information.

#### **OBSERVATIONS**

On 04/12/2023, Mr. Cristina and I travelled along Spruce Street which is adjacent to and in a Southwest general direct with regard to the SWBNO turbine T5 exhaust stack. At the time of this visit, Mr. Cristina and I observed droplet/staining on vehicles parked along Spruce Street (Attachment 2 and Attachment 3: Photographs 1-5, 04/12/2023). This material is visually consistent with that depicted by Photographs 4-11 within the 03/04/2022 inspection report (INS20220003) (Attachment 4).

On 04/12/2023 and 04/21/2023, I requested additional information and records from Mr. Scott Finney, Senior MS4 Storm Water Manager with SWBNO. These items were requested as follow-up information to the reports of oil being discharged from the Turbine T5 exhaust stack and also to corrective actions following issuance of Compliance Order HE-C-22-00472. The responses and supporting documents/records I received on 04/14/2023 and 04/26/2023 (Attachment 5) were forwarded to LDEQ Enforcement Division on 05/02/2023 for further review and evaluation against the information and details discussed within, as well as response provided subsequently to the issuance of, Compliance Order HE-C-22-00472. Please note, both the 09/07/2022 and 09/08/2022 #5 turbine logs do not include second pages. It is not known if the date input on one or both of these forms is in error, if the second pages were omitted, or if the second pages were not completed.

On 04/24/2023, I met with the complainant at their residence. The complainant directed me to staining on the entry railing, bicycle seat cover, and lawn furniture at this location (**Attachment 3: Photographs 1-3, 04/24/2023**). The complainant stated the material observed was droplet staining and is the result of material emitted from turbine T5. Please note, there was a rain event beginning at the time of these observations.

On 05/09/2023, I conducted a full Compliance Evaluation Inspection at this facility location. This inspection was conducted to evaluate compliance with the facility's LPDES discharge permit and LAC 33:IX regulations. During this site visit, I observed droplet/staining on a blue hose and also on a red building wall near the turbine T5 exhaust stack (**Attachment 3: Photograph 1, 05/09/2023**). This observation is visually consistent with those made of material on the vehicles along Spruce Street during the 04/12/2023 observations, and those depicted by Photograph 3 within the 03/04/2022 inspection report (INS20220003) (**Attachment 4**).

AI Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant Alt. ID/Permit No.: LAD981511850 Date of Inspection: 04/12/2023; 04/24/2023

#### **SUMMARY**

1. <u>LAC 33:V.4013.E.3</u> – The owner/operator failed to clean up and/or properly manage released used oil, in violation of LAC 33:V.4013.E.3. Specifically, the facility experienced spills of used oil (MOBIL DTE 732) from the Turbine T5 exhaust onto facility grounds and the adjacent residential neighborhood on Spruce Street.

The information obtained was forwarded to LDEQ Enforcement Division on 05/02/2023 for further review and evaluation against the information and details discussed within, as well as response provided subsequently to issuance of, Compliance order HE-C-22-00472.

AI Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant Alt. ID/Permit No.: LAD981511850 Date of Inspection: 04/12/2023; 04/24/2023

### LIST OF ATTACHMENTS

ATTACHMENT 1 Incident/Complaint Reports (EPA-ECHO; T213615;

T213760; T213972; T214194)

ATTACHMENT 2 Field Interview Form (FIF)

ATTACHMENT 3 Photographs

ATTACHMENT 4 03/02/2022 Inspection Report, INS20220003 (Relevant

Pages)

ATTACHMENT 5 Email Correspondences (Provided Information/Records)

ATTACHMENT 6 Safety Data Sheet (MOBIL DTE 732)

Al Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant Alt. ID/Permit No.: LAD981511850 Date of Inspection: 04/12/2023; 04/24/2023

### **ATTACHMENT 1**

Incident/Complaint Reports (EPA-ECHO; T213615; T213760; T213972; T214194)

Login Contact Us

Your report has been successfully sent. Your confirmation is below.

### Report Environmental Violations - Submitted

Thank you for submitting information on a possible environmental violation. The information will be reviewed by EPA enforcement personnel.

This notice will be the only response you will receive regarding your submission. Due to the sensitive manner in which enforcement information must be managed by EPA, we cannot provide status reports or updates regarding any submission we receive through the Report Environmental Violations form.

Back to Report Environmental Violations page

### **Report Confirmation**

Received	May 3, 2023 at 5:09pm EDT
	T
Your Name	Ariane Livaudais
Your Email	arianelivaudais@gmail.com
Your Phone Number	985-807-3566
Suspected	
Violator's Name *	Sewerage and Water Board New Orleans
Suspected Violation Location *	8800 S Claiborne

Louisiana		
70118		
Government/Military		
Yes		
cident as:		
Accidental		
Spray		
Land, Air		
	Yes  cident as:  Accidental  Spray	Yes  cident as:  Accidental  Spray

Violation Description *	The SWBNO's Turbine 5 (T5) is in use and spraying turbine oil onto property/vehicles/homes located on Spruce Street from General Ogden to Leonidas. This was first reported to the LDEQ and the EPA back in March 2022. T5 recently came back online and the first day the oil spray was noticed this time was on 4/9/23 then again on 4/18/23 and again on 4/30/23. These recent incidents have all been reported to the LDEQ and the assigned officer is Von.Magee@LA.GOV. My name is Ariane Livaudais and the resident/owner of 8608 Spruce Street. Photos attached of my property which evidence the oil droplets. My number is 985.807.3566 and my email is arianelivaudais@gmail.com.
File(s) Uploaded	1. IMG_9319.jpeg (image/jpeg) 2. IMG_9311.jpeg (image/jpeg) 3. IMG_9305.jpeg (image/jpeg)

LAST UPDATED ON OCTOBER 3, 2022

DATA REFRESH INFORMATION

Incident:213615

Incident Description

Incident Type:

Complaint, Oil Sheen Sighting

**Incident Date:** 

04/09/2023 09:00:00

Parish:

Orleans

Municipality:

**New Orleans** 

Location:

8800 S Carrollton - New Orleans

Lat/Lon:

Basin/Segment: Substance(s):

Media Impacted:

Soil/Air

Incident Desc:

COMPLAINT T5 has been running and it seems it's leaking oil/diesel again. This is the second documents occurrence. I first reported to LQEQ in March 2022 and an inspection was done on 3/4/22. I took photos of my home (8608 Spruce) and some neighbors' cars parked on Spruce between Monroe and Leonidas. I emailed these photos directly to the SWBNO today. col (see T

207469 for previous complaint)

**Incident Status** 

Lead Investigator:

Von Magee

Incident Region:

Southeast

**Incident Status:** 

Closed

Followup Status:

Closed

As Of:

06/19/2023 13:58:05

Incident Reporter 1

Received By:

Spo Contact

Received Date:

04/09/2023 16:24:00

Dispatch Number(s): OC5243, OC5244

Reported By:

Ariane Livaudais

Phone:

504-264-2750 (Cellular phone number)

Reporter Title:

Organization:

Address:

8608 Spruce St

Municipality:

**New Orleans** 

State:

LA

Zip Code:

70118

Comments:

OC5244 duplicate

Incident:213615

**Incident Source 1** 

Source Name: Sewerage & Water Board of New Orleans -

Carrollton Water Purification Plant

Address:

8800 S Claiborne Ave

Municipality:

**New Orleans** 

State:

LA

5673

Phone:

5049423856(Work phone number)

Parish:

AI #:

**Related Permits:** 

Comments: Between 04/09/2023 through 05/19/2023, LDEQ received multiple complaints (T213615;

and Water Board of New Orleans (SWBNO) Carrollton Water Purification Plant. According to the complaints, oil droplets are spraying from the exhaust stack and impacting adjacent homes, cars, and property along Spruce Street. Additionally, the SWBNO self-reported a release which occurred on 05/01/2023 at approximately 11:00:00. Among other information, this notification also indicates the possibility of remedial action achieved via wiping and/or washing of surfaces. This response included a review of the facility response to Compliance Order HE-C-22-00472 (EDMS Document ID# 13449186); observations of vehicles and residences along Spruce Street; an onsite discussion with Ms. Anita Williams; and email correspondences with facility personnel to request relevant records and information. Information and findings obtained were forwarded to

T213760; T214194) regarding a release of oil from the Turbine 5 exhaust stack at the Sewage

LDEQ Enforcement Division on 05/02/2023 for further review and evaluation against the information and details discussed within, as well as response provided subsequently to issuance of, Compliance order HE-C-22-00472. Please refer to INS20230005 for additional details. On 06/28/2023, I contacted the complainant to inform of this path forward; I left a voice message

requested a return call for further discussion. vam

#### Von Magee

From:

Holly Herrmann

Sent:

Tuesday, April 11, 2023 2:48 PM

To:

Von Magee

Cc:

Daniel Cristina; Jeffrey Leonick; Dionne Magness; Jeffrey Parham; Joe Carruth; Jodi

Holewka; Holly Herrmann

Subject:

RE: SERO Complaint T 213615 OrleansParish oil-diesel OC5243

Von - assigned to you.

Daniel will need to go out with you for this one.

AI# 5673

Joe- disregard the previous email.

Holly Herrmann

LA DEQ - Southeast Regional Office

Office: 504-736-7749 holly,herrmann@la.gov

From: SPOC < SinglePointof.Contact@LA.GOV > Sent: Tuesday, April 11, 2023 11:07 AM

To: \_DEQ-SEROAdmin < \_DEQ-SEROAdmin@LA.GOV>

Subject: SERO Complaint T 213615 OrleansParish oil-diesel OC5243

SERO Complaint T 213615 OrleansParish oil-diesel OC5243

# http://advantagerm.swe.la.gov/Pages/Incidents/IncidentDetailPage.aspx?IncidentID=2 13615&State=EDIT&WholeUpdate=Y

From: EML-SVC-DEQ-Intranet

Sent: Sunday, April 9, 2023 4:24 PM

To: SPOC

Cc: arianelivaudais@gmail.com

Subject: Online Citizen Complaint: Confirmation: OC5243 - 4/9/2023 4:24:55 PM

Caller Information	
* First Name:	Ariane
* Last Name:	Livaudais
* Phone Number:	504-264-2750
Mailing Address:	8608 Spruce Street
City:	NEW ORLEANS
State:	Louisiana
Email:	arianelivaudais@gmail.com
Zip:	70118
I request a follow-up on inspector findings:	Yes
Site Information	

Alleged Violator:	SWNBO Carrollton
* Physical Location/Address:	8800 S Carrollton
* City:	NEW ORLEANS
* State:	Louisiana
Zip:	70118
Date of Discharge:	04/09/2023
Noticed Time Began:	09:00:00
Noticed Time Ended:	05:00:00
* Parish of Occurrence:	Orleans Parish
Media Affected:	soil/air
If water, name the nearest water body:	
Description of complaint:	T5 has been running and it seems it's leaking oil/diesel again. This is the second documents occurrence. I first reported to LQEQ in March 2022 and an inspection was done on 3/4/22. I took photos of my home (8608 Spruce) and some neighbors' cars parked on Spruce between Monroe and Leonidas. I emailed these photos directly to the SWBNO today.
Directions for reaching the site:	

Incident:213760

**Incident Description** 

**Incident Type:** 

Complaint, Miscellaneous

**Incident Date:** 

04/18/2023 06:30:00

Parish:

Orleans

Municipality:

**New Orleans** 

Location:

8800 S Claiborne - New Orleans, LA

Lat/Lon:

1

Basin/Segment: Substance(s):

Media Impacted:

Soil/Air

**Incident Desc:** 

Complaint SWBNO has been running T5 since 4/3/23 and oil droplets continue to spray the homes,

cars and property on Spruce Street residents. LB

**Incident Status** 

Lead Investigator:

Von Magee

**Incident Region:** 

Southeast

**Incident Status:** 

Closed

Followup Status:

Closed

As Of:

06/19/2023 14:06:46

**Incident Reporter 1** 

Received By:

Spo Contact

**Received Date:** 

04/19/2023 08:57:00

Dispatch Number(s): OC5283

Reported By:

Ariane Livaudais

Phone:

985-897-3566 (Home phone number)

Reporter Title:

Organization:

Address:

8608 Spruce St.

Municipality:

**New Orleans** 

State:

LA

Zip Code:

70118

Comments:

Incident:213760

**Incident Source 1** 

Source Name: Sewerage & Water Board of New Orleans -

Carrollton Water Purification Plant

Address:

8800 S Claiborne Ave

Municipality:

**New Orleans** 

State:

LA

Phone:

5049423856(Work phone number)

Parish:

AI #: 5673 **Related Permits:** 

Comments: Between 04/09/2023 through 05/19/2023, LDEQ received multiple complaints (T213615;

> T213760; T214194) regarding a release of oil from the Turbine 5 exhaust stack at the Sewage and Water Board of New Orleans (SWBNO) Carrollton Water Purification Plant. According to the complaints, oil droplets are spraying from the exhaust stack and impacting adjacent homes, cars,

and property along Spruce Street. Additionally, the SWBNO self-reported a release which

occurred on 05/01/2023 at approximately 11:00:00. Among other information, this notification also indicates the possibility of remedial action achieved via wiping and/or washing of surfaces. This response included a review of the facility response to Compliance Order HE-C-22-00472 (EDMS Document ID# 13449186); observations of vehicles and residences along Spruce Street; an onsite discussion with Ms. Anita Williams; and email correspondences with facility personnel to request relevant records and information. Information and findings obtained were forwarded to LDEQ Enforcement Division on 05/02/2023 for further review and evaluation against the

information and details discussed within, as well as response provided subsequently to issuance of, Compliance order HE-C-22-00472. Please refer to INS20230005 for additional details. On 06/28/2023, I contacted the complainant to inform of this path forward; I left a voice message

requested a return call for further discussion. vam

#### Von Magee

From:

Jeffrey Parham

Sent:

Wednesday, April 19, 2023 2:24 PM

To:

Von Magee

Cc:

Dionne Magness; Holly Herrmann

Subject:

FW: SERO Complaint T 213760 Oil Orleans OC5283

Von - assigned to you

Jeff Parham (504) 736-7754

From: SPOC <SinglePointof.Contact@LA.GOV>
Sent: Wednesday, April 19, 2023 9:38 AM

To: \_DEQ-SEROAdmin < \_DEQ-SEROAdmin@LA.GOV>

Cc: SPOC <SinglePointof.Contact@LA.GOV>

Subject: SERO Complaint T 213760 Oil Orleans OC5283

### SERO Complaint T 213760 Oil Orleans OC5283

http://advantagerm.swe.la.gov/Pages/Incidents/IncidentListPage.aspx?IncidentID=213760

From: EML-SVC-DEQ-Intranet

Sent: Wednesday, April 19, 2023 8:57 AM

To: SPOC

Cc: arianelivaudais@gmail.com

Subject: Online Citizen Complaint: Confirmation: OC5283 - 4/19/2023 8:57:21 AM

Caller Information	
* First Name:	Ariane
* Last Name:	Livaudais
* Phone Number:	985-897-3566
Mailing Address:	8608 Spruce St
City:	New Orleans
State:	Louisiana
Email:	arianelivaudais@gmail.com
Zip:	70118
I request a follow-up on inspector findings:	Yes
Site Information	
Alleged Violator:	SWBNO Carrollton Plant
* Physical Location/Address:	8800 S Claiborne
* City:	New Orleans
* State:	Louisiana
Zip:	70118
Date of Discharge:	04/18/2023
Noticed Time Began:	06:30:00
Noticed Time Ended:	07:45:00

* Parish of Occurrence:	Orleans Parish
Media Affected:	soil/air
If water, name the nearest water body:	
* Description of complaint:	SWBNO has been running T5 since 4/3/23 and oil droplets continue to spray the homes, cars and property on Spruce Street residents. See 4/18/23 article below. https://thelensnola.org/2023/04/18/oil-sprayed-on-neighborhood-from-swb-plant-for-second time/
Directions for reaching the site:	All of Spruce Street home and cars from Eagle to Leonidas

Incident:213972

Incident Description

**Incident Type:** 

Release/Spill, Miscellaneous

**Incident Date:** 

05/01/2023 11:00:00

Parish:

Orleans

Municipality:

**New Orleans** 

Location:

8800 South Claiborne Avenue - New Orleans

Lat/Lon:

Basin/Segment:

Substance(s):

Petroleum Based Product unknown quantity

Media Impacted:

Soil/Air

Incident Desc:

SPILL Release of petroleum based product from a leaking turbine

CML

**Incident Status** 

Lead Investigator:

Von Magee

Incident Region:

Southeast

**Incident Status:** 

Closed

Followup Status:

Closed

As Of:

06/19/2023 14:11:40

**Incident Reporter 1** 

Received By:

Spo Contact

**Received Date:** 

05/02/2023 23:13:00

Dispatch Number(s): OS2205

Reported By:

Corwin Washington

Phone:

504-930-7250 (Work phone number)

Reporter Title:

Organization:

Sewerage and Water Board of New Orleans

Address:

Municipality:

State:

LA

Zip Code:

Comments:

Incident:213972

**Incident Source 1** 

Source Name:

Sewerage & Water Board of New Orleans -

Carrollton Water Purification Plant

Address:

8800 S Claiborne Ave

Municipality:

**New Orleans** 

State:

LA

Phone:

5049423856(Work phone number)

Parish:

AI #:

5673

**Related Permits:** 

Comments:

On 05/02/2023, LDEQ received a self-reported notification from the Sewage and Water Board of New Orleans (SWBNO) regarding a Turbine T5 oil release which migrated offsite and impacted the 8600 block of Spruce Street.

Between 04/09/2023 through 05/19/2023, LDEQ also received multiple complaints (T213615; T213760; T214194) regarding a release of oil from the Turbine 5 exhaust stack at the SWBNO Carrollton Water Purification Plant. According to the complaints, oil droplets are spraying from the exhaust stack and impacting adjacent homes, cars, and property along Spruce Street. Additionally, the SWBNO self-reported a release which occurred on 05/01/2023 at approximately 11:00:00. Among other information, this notification also indicates the possibility of remedial action achieved via wiping and/or washing of surfaces. This response included a review of the facility response to Compliance Order HE-C-22-00472 (EDMS Document ID# 13449186); observations of vehicles and residences along Spruce Street; an on-site discussion with Ms. Anita Williams; and email correspondences with facility personnel to request relevant records and information. Information and findings obtained were forwarded to LDEQ Enforcement Division on 05/02/2023 for further review and evaluation against the information and details discussed within, as well as response provided subsequently to issuance of, Compliance order HE-C-22-00472.

#### Von Magee

From:

Jeffrey Parham

Sent:

Wednesday, May 3, 2023 1:04 PM

To:

Von Magee

Cc:

Dionne Magness; Holly Herrmann

Subject:

FW: SERO SPILL T 213972 Orleans OS2205

Von - assigned to you

Jeff Parham (504) 736-7754

From: SPOC <SinglePointof.Contact@LA.GOV>
Sent: Wednesday, May 3, 2023 10:50 AM

To: \_DEQ-SEROAdmin < \_DEQ-SEROAdmin@LA.GOV>

Cc: SPOC <SinglePointof.Contact@LA.GOV>
Subject: SERO SPILL T 213972 Orleans OS2205

#### SERO SPILL T 213972 Orleans OS2205

### http://advantagerm.swe.la.gov/Pages/Incidents/IncidentDetailPage.aspx?IncidentID=2 13972&State=EDIT&WholeUpdate=Y

Sent: Tuesday, May 2, 2023 11:13 PM

Subject: Online Spill Report: Confirmation: OS2205 - 5/2/2023 11:13:26 PM

Reference Information	
Louisiana State Police HazMat Hotline Report Number (if applicable):	Louisiana
National Response Center Number (if	
applicable):	
Al Number:	5673
Permit Number:	2140-00128-V3
Reporter Information	
* First Name:	Corwin
* Last Name:	Washington
Title:	
* Company:	Sewerage and Water Board of New Orleans
* Phone Number:	504-930-7250
Mailing Address:	8800 South Claiborne Avenue
City:	New Orleans
State:	Louisiana
Zip:	70118
Email:	cwashington3@swbno.org
Responsible Party Information	
* Responsible Party Company name:	Sewerage and Water Board of New Orleans
Mailing address (if different from above):	
City:	
State:	
Zip:	
Physical Location of Incident	

* Address:	8800 South Claiborne Avenue
* City:	New Orleans
* State:	Louisiana
* Parish of Occurrence:	Orleans Parish
Incident Details	
* Date of Discharge:	05/01/2023
* Noticed Time Began:	11:00:00
Noticed Time Ended:	
* Media Affected:	soil/air
If water, name the nearest water body:	
If air, note wind direction and weather conditions:	Approximately a 14 mph, southwest wind was recorded during a clear sky at approximately 72 degrees Fahrenheit.
* Product / Material release and quantity:	Petroleum-based product
* Description of release:	An unknown amount of a petroleum-based product was unintentionally discharged via Turbine No. 5, which migrated offsite and observed near the 8600 Block of Spruce Street. No individual was outside when the discharged occurred. Evidence of a release was observed by the droplets appearing on inanimate objects. The exact time of the release and direct cause has yet to be determined at this time.
How was the spill contained?	The release appears to be intermittent since the Sewerage and Water Board of New Orleans went over a year from the initial incident that was investigated by the LDEQ on or about March 4, 2022.
How was the spill cleaned?	The material can be remediated by wiping and/or washing of surfaces. Some areas are stained and there is no means to remediate, i.e., the street.
Directions for reaching the site:	8600 Block of Spruce Street at Leonidas Street with is adjacent to the Turbine No. 5.
Password:	upFsL4HqMw Click here to <b>update</b> the incident.

Incident:214194

**Incident Description** 

**Incident Type:** 

Complaint, Miscellaneous

**Incident Date:** 

05/17/2023 05:00:00

Parish:

Orleans

Municipality:

**New Orleans** 

Location:

8608 Spruce St. - New Orleans, LA

Lat/Lon:

1

Basin/Segment: Substance(s):

Media Impacted:

Soil/Air

**Incident Desc:** 

Complaint SWBNO has been running on and off T5 since 4/3/23 and oil droplets continue to spray

the homes, cars and property on Spruce Street residents. This is my 3rd incident report in the last 5

weeks. Von Magee currently assigned. LB

**Incident Status** 

Lead Investigator:

Von Magee

**Incident Region:** 

Southeast

Incident Status:

Closed

Followup Status:

Closed

As Of:

06/19/2023 14:18:55

**Incident Reporter 1** 

Received By:

Spo Contact

**Received Date:** 

05/19/2023 20:09:00

Dispatch Number(s): OC5352

Reported By:

Ariane Livaudais

Phone:

504-264-2750 (Home phone number)

Reporter Title:

Organization:

Address:

8608 Spruce St.

Municipality:

**New Orleans** 

State:

LA

Zip Code:

70118

Comments:

Incident:214194

**Incident Source 1** 

Source Name: Sewerage & Water Board of New Orleans -

Carrollton Water Purification Plant

Address:

8800 S Claiborne Ave

Municipality:

**New Orleans** 

State:

LA

Phone:

5049423856(Work phone number)

Parish:

AI #: 5673

**Related Permits:** 

Comments:

Between 04/09/2023 through 05/19/2023, LDEQ received multiple complaints (T213615; T213760; T214194) regarding a release of oil from the Turbine 5 exhaust stack at the Sewage and Water Board of New Orleans (SWBNO) Carrollton Water Purification Plant. According to the complaints, oil droplets are spraying from the exhaust stack and impacting adjacent homes, cars, and property along Spruce Street. Additionally, the SWBNO self-reported a release which occurred on 05/01/2023 at approximately 11:00:00. Among other information, this notification also indicates the possibility of remedial action achieved via wiping and/or washing of surfaces. This response included a review of the facility response to Compliance Order HE-C-22-00472 (EDMS Document ID# 13449186); observations of vehicles and residences along Spruce Street; an onsite discussion with Ms. Anita Williams; and email correspondences with facility personnel to request relevant records and information. Information and findings obtained were forwarded to LDEQ Enforcement Division on 05/02/2023 for further review and evaluation against the information and details discussed within, as well as response provided subsequently to issuance of, Compliance order HE-C-22-00472. Please refer to INS20230005 for additional details. On 06/28/2023, I contacted the complainant to inform of this path forward; I left a voice message requested a return call for further discussion, vam

#### Von Magee

From:

Dionne Magness

Sent:

Monday, May 22, 2023 11:42 AM

To:

Von Magee

Cc:

Holly Herrmann; Jeffrey Parham

Subject:

FW: SERO Complaint T 214194 Oil Orleans OC5352

Von, assigned to you.

From: SPOC <SinglePointof.Contact@LA.GOV>

Sent: Monday, May 22, 2023 11:27 AM

To: \_DEQ-SEROAdmin < \_DEQ-SEROAdmin@LA.GOV>

Cc: SPOC <SinglePointof.Contact@LA.GOV>

Subject: SERO Complaint T 214194 Oil Orleans OC5352

#### SERO Complaint T 214194 Oil Orleans OC5352

http://advantagerm.swe.la.gov/Pages/Incidents/IncidentListPage.aspx?IncidentID=214 194

From: EML-SVC-DEQ-Intranet

Sent: Friday, May 19, 2023 8:09 PM

To: SPOC

Cc: arianelivaudais@gmail.com

Subject: Online Citizen Complaint: Confirmation: OC5352 - 5/19/2023 8:09:33 PM

Caller Information	
* First Name:	Ariane
* Last Name:	Livaudais
* Phone Number:	504-264-2750
Mailing Address:	8608 Spruce Street
City:	NEW ORLEANS
State:	Louisiana
Email:	arianelivaudais@gmail.com
Zip:	70118
I request a follow-up on inspector findings:	Yes
Site Information	
Alleged Violator:	SWNBO Carrollton
* Physical Location/Address:	8608 Spruce Street
* City:	NEW ORLEANS
* State:	Louisiana
Zip:	70118
Date of Discharge:	05/17/2023
Noticed Time Began:	05:00:00
Noticed Time Ended:	08:00:00
* Parish of Occurrence:	Orleans Parish
Media Affected:	soil/air
If water, name the nearest water body:	

	SWBNO has been running on and off T5 since 4/3/23 and oil droplets continue to spray the homes, cars and property on Spruce Street residents. This is my 3rd incident report in the last 5 weeks. Von Magee currently assigned.
Directions for reaching the site:	Oil droplets evident on cars, homes and property along Spruce Street between Eagle and Leonidas.

Al Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant Alt. ID/Permit No.: LAD981511850 Date of Inspection: 04/12/2023; 04/24/2023

### **ATTACHMENT 2**

Field Interview Form (FIF)

# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY FIELD INTERVIEW FORM

AGENCY INTEREST#: 567	S INSPECTION DATE: 4/2/23	TIME OF ARRIVAL: 133\$
ALTERNATE ID#: TRI361		TIME OF DEPARTURE: 1400
(ID Type/Number	er)	_
		HONE #: (504) 628 7549
LOCATION: \$800 S.		0-1
	leans, LA 70118 PARISH	1: Orleans
MAILING ADDRESS: Sam		
(Street/P.		(State) (Zip)
FACILITY REPRESENTATIVE:	Anita Williams	TITLE: Env. Enforcement To
FACILITY REPRESENTATIVE	PHONE NUMBER: Same 95	above
NAME, TITLE, ADDRESS and 1	ELEPHONE of RESPONSIBLE OFFICIAL (if diff	ferent from above):
INSPECTION TYPE: Comple		
	S: (e.g. AREAS AND EQUIPMENT INSPECTED, PROBLE COMMITMENTS FROM FACILITY REPRESENTATIVES	
- Ms. Williams	stated the SWBNO i	s aware of an
occurrence	w turbine 5 & exhaust	stack occurring but
does not	know specific details;	
		pecific questions;
- Opselved 900	plets Stuining on some	cars parked along
Spruce Str	cct.	
***		
AREAS OF CONCERN:		
REGULATION	EXPLANATION	CORRECTED?
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-		YES NO
		YES \( \tag{NO} \( \tag{NO} \)
gr 69-		
PHOTOS TAKEN:	YES NOW SAMPLES TAKEN: YE	S NO (Attach Chain-of-Custody)
/	YES NOW SAMPLES TAKEN: YE	S NO (Attach Chain-of-Custody)
RECEIVED BY SIGNATURE:	inte Piveli	S NO (Attach Chain-of-Custody)
PRINT NAME: Thita	Williams	
PRINT NAME: Thita	inte Piveli	
PRINT NAME: (NOTE: SIGNATURE	Williams RE DOES NOT INDICATE AGREEMENT WITH INSPECTOR	e's NOTES)
PRINT NAME: (NOTE: SIGNATURE	Magre 1/M2 CROSS R	e's notes)
PRINT NAME: (NOTE: SIGNATURE	Williams RE DOES NOT INDICATE AGREEMENT WITH INSPECTOR	e's notes)
PRINT NAME: (NOTE: SIGNATURE: (NOTE: SIGNATURE: 1) SOLUTION A.	Magre 1/M2 CROSS R	e's notes)
RECEIVED BY SIGNATURE:  PRINT NAME:  (NOTE: SIGNATURE:  (NOTE: SIGNATURE:  NOTE: The information containe	Mage 1 Maniel Cristina ATT	P'S NOTES)  REFERENCE:  TACHMENTS:  Vations of the inspector(s). It should not
RECEIVED BY SIGNATURE:  PRINT NAME:  (NOTE: SIGNATURE:  (NOTE: SIGNATURE:  (NOTE: SIGNATURE:  (NOTE: The information containe be interpreted as a final determinany matter, including, but not like)	Magae 1 Maniel Cristina ATT	PERENCE:  TACHMENTS:  vations of the inspector(s). It should not or any of its officers or personnel as to thereof by the facility operator with any

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REVISED: 12/06/2011

LOU	ISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY FIELD INTERVIEW FORM	
	* Revision; contected date to 4/12/2	3 (VW
AGENCY INTEREST#: 5673	11.	33Ø
ALTERNATE ID#: TRISGIS		1400
(ID Type/Number)		
FACILITY NAME: Caccol	ton Water Plant PHONE #: (564)6287	549
LOCATION: 8800 S. C	¿laiborne	***************************************
New Orla	eans, LA 70118 PARISH: Orleans	
RECEIVING STREAM (BASIN/SU	BSEGMENT):	
MAILING ADDRESS: Same	as physical	Augustan arabana araba
(Street/P.O.	Box) (City) (State)	(Zip)
FACILITY REPRESENTATIVE:	Anita Williams TITLE: Env. Enfor	rcement T
FACILITY REPRESENTATIVE PH		
NAME, TITLE, ADDRESS and TE	LEPHONE of RESPONSIBLE OFFICIAL (if different from above):	
INSPECTION TYPE: Complain	PROGRAM INVOLVED: AIR □WASTE□ WATER X OTHER:	
INSPECTOR'S OBSERVATIONS:	(e.g. AREAS AND EQUIPMENT INSPECTED, PROBLEMS, DEFICIENCIES, REMARKS, V	VERBAL
- Ms. Williams	SEGEO THE SWAND IS GWALL OF	an
	1	
occurrance u	ulturbine 5 a exhaust stack occurrin	g but
does not	know specific details; directed me	20
	ey for answers to specific questi	
- Opselved glob	lets Stuining on some cars parked alon	ng
,	lets / stuining on some cars parked alon	ng
- Observed drop - Spruce Stre		ng
,		<u> </u>
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Spruce Stre		<u> </u>
,		n 5
Spruce Stre	ct.	ECTED?
AREAS OF CONCERN:	EXPLANATION CORRE	ECTED?
AREAS OF CONCERN:	EXPLANATION CORRE	
AREAS OF CONCERN:	EXPLANATION CORRE	ECTED?
AREAS OF CONCERN:	EXPLANATION CORRE	ECTED?
AREAS OF CONCERN:	EXPLANATION CORRE	ECTED?
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Spruce Stre	EXPLANATION CORRE YES  YES  YES	ECTED? NO   NO
AREAS OF CONCERN: REGULATION  PHOTOS TAKEN:	EXPLANATION CORRE YES  YES  YES  SAMPLES TAKEN: YES NOX (Attach Chain-of-	ECTED?  NO   Custody)
AREAS OF CONCERN: REGULATION  PHOTOS TAKEN: YI RECEIVED BY SIGNATURE:	EXPLANATION CORRE  YES   YES   YES   Attach Chain-of-	ECTED?  NO   Custody)
AREAS OF CONCERN: REGULATION  PHOTOS TAKEN: YI RECEIVED BY SIGNATURE:	EXPLANATION CORRE YES  YES  YES	ECTED?  NO   Custody)
PHOTOS TAKEN:  RECEIVED BY SIGNATURE:  PRINT NAME:	EXPLANATION CORRE  YES   YES   YES   Attach Chain-of-	ECTED?  NO   Custody)
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PHOTOS TAKEN:  RECEIVED BY SIGNATURE:  (NOTE: SIGNATURE  INSPECTOR(S): Von A. M.	EXPLANATION  CORRE  YES   YES   YES   ODES NOT INDICATE AGREEMENT WITH INSPECTOR'S NOTES)  CROSS REFERENCE:	NO  Custody)
AREAS OF CONCERN:  REGULATION  PHOTOS TAKEN:  RECEIVED BY SIGNATURE:  (NOTE: SIGNATURE  INSPECTOR(S): Von A. M.  504-7	EXPLANATION  CORRE  YES   YES   YES   OLIVINATION  SAMPLES TAKEN: YES NO (Attach Chain-of-  Williams  DOES NOT INDICATE AGREEMENT WITH INSPECTOR'S NOTES)  CROSS REFERENCE:	NO  Custody)
AREAS OF CONCERN:  REGULATION  PHOTOS TAKEN:  RECEIVED BY SIGNATURE:  (NOTE: SIGNATURE  INSPECTOR(S):  SOU - 7  REVIEWER:  NOTE: The information contained of	EXPLANATION  CORRE  YES   YES   YES   VES   CROSS REFERENCE:  ATTACHMENTS:  The properties only the preliminary observations of the inspector(s). It	NO  Custody)
AREAS OF CONCERN:  REGULATION  PHOTOS TAKEN:  RECEIVED BY SIGNATURE:  (NOTE: SIGNATURE  INSPECTOR(S):  SOUTH A. M.  SOUTH	EXPLANATION  CORRE  YES   YES   YES   CROSS REFERENCE:  CROSS REFERENCE:  ATTACHMENTS:  Don'this form reflects only the preliminary observations of the inspector(s). Its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmental Quality or any of its officers or person by the Department of Environmenta	NO  Custody)
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REVISED: 12/06/2011

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Al Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant Alt. ID/Permit No.: LAD981511850 Date of Inspection: 04/12/2023; 04/24/2023

## **ATTACHMENT 3**

**Photographs** 

Facility Name: Spruce Street - near SWBNO Carrollton Water Plant
City: New Orleans
Date: 04/12/2023 Reason: Complaint

AI: 5673
Von A. Magee
Other ID #: T213615; T213760

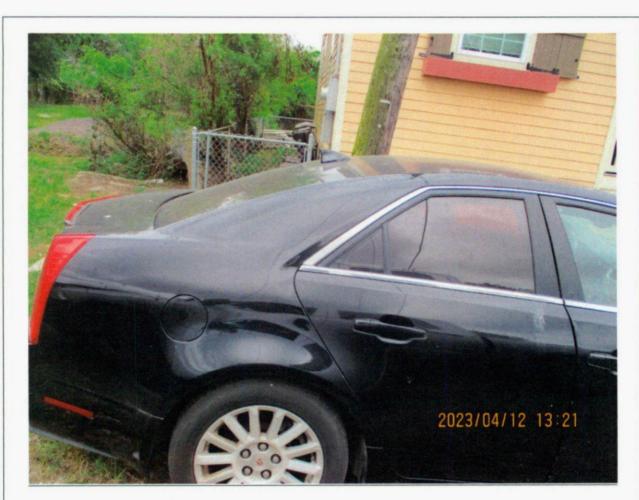


Photo #: 1 of 5 Time: Approx. 1:21 PM
Description: Representation photograph of vehicles parked along Spruce Street, near the Carrollton Water Plant facility. Observed droplet staining visually consistent with observation description and photographs collected on 03/04/2022.



Photo #: 2 of 5 Time: Approx. 1:22 PM
Description: Representation photograph of vehicles parked along Spruce Street, near the Carrollton Water Plant facility. Observed droplet staining visually consistent with observation description and photographs collected on 03/04/2022.

Facility Name: Spruce Street - near SWBNO Carrollton Water Plant
City: New Orleans
Date: 04/12/2023 Reason: Complaint

AI: 5673
Von A. Magee
Other ID #: T213615; T213760



Photo #: 3 of 5 Time: Approx. 1:23 PM
Description: Representation photograph of vehicles parked along Spruce Street, near the Carrollton Water Plant facility. Observed droplet staining visually consistent with observation description and photographs collected on 03/04/2022.



Photo #: 4 of 5 Time: Approx. 1:23 PM
Description: Representation photograph of vehicles parked along Spruce Street, near the Carrollton Water Plant facility. Observed droplet staining visually consistent with observation description and photographs collected on 03/04/2022.

Facility Name: Spruce Street - near SWBNO Carrollton Water Plant
City: New Orleans
Date: 04/12/2023 Reason: Complaint

Parish: Orleans
Other ID #: T213615; T213760



Photo #: 5 of 5 Time: Approx. 1:24 PM
Description: Representation photograph of vehicles parked along Spruce Street, near the Carrollton Water Plant facility. Observed droplet staining visually consistent with observation description and photographs collected on 03/04/2022.

Facility Name: 8608 Spruce St., near Carrollton Water Plant

City: New Orleans
Date: 04/24/2023 Reason: Complaint

Parish: Orleans
Other ID #: T213615; T213760

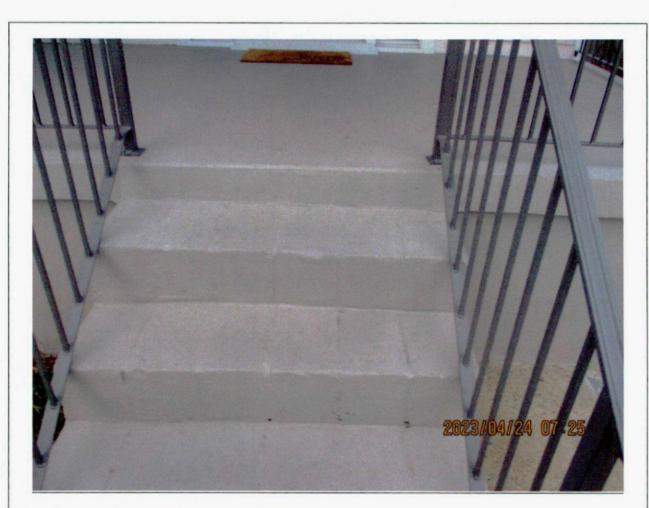


Photo #: 1 of 3 Time: Approx. 7:25 AM

Description: Complainant described and stated droplet staining present on hand railing is result of material emitted from Turbine 5 at the SWBNO Carrollton Water Treatment Plant. Please note, light rain was on-going at the time of collecting this photograph.



Photo #: 2 of 3 Time: Approx. 7:25 AM

Description: Complainant stated the more dull droplet staining on the bicycle seat cover is result of material emitted from Turbine 5 at the SWBNO Carrollton Water Treatment Facility. Please note, light rain was on-going at the time of collecting this photograph.

Facility Name: 8608 Spruce St., near Carrollton Water Plant

City: New Orleans

Parish: Orleans

Photographer: Von A. Magee

Date: 04/24/2023 Reason: Complaint

Other ID #: T213615; T213760



Photo #: 3 of 3 Time: Approx. 7:26 AM

Description: Complainant stated the more dull droplet staining on this lawn furniture is result of material emitted from Turbine 5 at the SWBNO Carrollton Water Treatment Facility. Please note, light rain was on-going at the time of collecting this photograph.

Facility Name: <u>Carrollton Water Treatment Plant</u>
City: <u>New Orleans</u>
Date: <u>05/09/2023</u> Reason: <u>Complaint/CEI</u>

AI: <u>5673</u>
Photographer: <u>Von A. Magee</u>
Other ID #: <u>T213615; T213760;</u>
T213972



Photo #: 1 of 1 Time: Approx. 9:57 AM

Description: Observed staining/droplets on equipment and a building near the T5 turbine exhaust stack. This material is visually consistent with that observed on vehicles along Spruce St. and at the complainant's home. This observation is also visually consistent with on-site observations noted during the 03/04/2022 LDEQ site visit, Photograph 3.

Al Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant Alt. ID/Permit No.: LAD981511850 Date of Inspection: 04/12/2023; 04/24/2023

### **ATTACHMENT 4**

03/04/2022 Inspection Report, INS20220003 (Relevant Pages)





# Louisiana Department of Environmental Quality Southeast Regional Office

### **Incident Report**

Inspection Date:	3/04/2022	Incident N	io.: <u>T-</u>	207469			
Al No.: 5673	Alt. ID/Permit No: LAD9815 1850; INS20220003						
Company Name:	Sewerage & Water Board of N Plant	New Orleans -	- Carrollto	n Water Puri	ification		
Physical Location:	n: 8800 S. Claiborne Ave.						
	New Orleans	LA	Parish:	Orleans			
	(City)	(State)					
Mailing Address:	8800 S. Claiborne Ave.	New Orleans		LA	70118		
	(Address)	(City)		(State)	(Zip)		
LDEQ Lead Inspec	•	30-7250					
Other Inspectors:	Tom Aepelbacher						
Report By:	eport By: Jodi Holewka, Environmental Scientist			4/4/2	Date)		
	Jodi Holewka, Environmen	itai ociciitist		,	Date)		
Reviewed By:	The Human	COMPANY AND STREET STREET, STR		09	1/14/202		
F	folly Herrmann, Environmenta	Scientist Su	pervisor	(	Date)		

Al Name: Sewerage& Water Board of New Orleans - Carrollton Water Purification Plant

Alt ID No: Incident #: T-207469 Date of Inspection: 3/04/2022

#### INTRODUCTION

A partial compliance evaluation inspection was conducted in response to a citizen complaint (T-207469) alleging the violator, Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant, is flinging a material that appears to be diesel from a turbine, which is damaging nearby properties. (See Attachment 2) The facility representatives were Corwin Washington (SWBNO Environmental Project Manager), Sam Lewis (SWBNO Turbine Operator), and Ms. Ann Wilson (SWBNO Chief of Environmental Affairs). The LDEQ representatives conducting the inspection were Thomas Aepelbacher (Environmental Scientist III, Southeast Regional Office), and Jodi Holewka (Environmental Scientist III, Southeast Regional Office). A signed Field Interview Form (FIF) was left with the facility. (See Attachment 1)

#### **FACILITY INFORMATION**

### General Information

The facility, the Main Water Treatment Plant (MWTP), also known as the Main Water Purification Plant (MWPP), is owned and operated by Sewerage and Water Board of New Orleans (SWBNO). The facility is located at 8800 S. Claiborne Avenue, New Orleans, Orleans Parish.

#### Process Description

The facility is responsible for purifying the drinking water for the portion of New Orleans that lies on the East Bank of the Mississippi River and for providing 25 cycle electric power to the City's drainage pump stations.

The facility uses six steam boilers to drive the three steam turbines and generate electricity. This power drives some of the potable water inlet pumps and most of the drainage pumping stations for the City of New Orleans. Two or three boilers are normally in operation at one time. The MWTP also utilizes natural gas-fired turbines to provide backup power for major weather events such as heavy rainstorms and hurricanes. All the boilers and turbines use natural gas as their primary fuel source with fuel oil used as a backup fuel source if natural gas is curtailed or not available. Turbine #6 can run on diesel.

#### **FACILITY HISTORY**

- The facility has had an EPA Hazardous Waste Generator number since 1986.
- On 3/06/2013, a citizen complaint was submitted to LDEQ (T-147162) for a diesel generator smoking and depositing soot all over cars, homes, and vegetable gardens. This incident was investigated by Surveillance Staff of the Southeast Regional Office. The review of this incident, and its associated report, revealed Turbine 5 was running due to, repairs, and that the engine was stopped when the repairs were completed.

#### AREAS EVALUATED

This inspection was in response to a citizen complaint (T-207469) alleging the violator, Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant, is flinging a

Al No: 5673

Al Name: Sewerage& Water Board of New Orleans - Carrollton Water Purification Plant

Alt ID No: Incident #: T-207469 Date of Inspection: 3/04/2022

material that appears to be diesel from a turbine, which is damaging nearby properties. (See Attachment 2) A partial compliance evaluation inspection was conducted in order to determine the degree of compliance with applicable regulations. The investigation included a tour of the facility, a review of the facility's operations, associated recordkeeping requirements, and interviews with facility personnel.

#### Facility Tour

As part of the partial compliance evaluation, a facility tour was conducted in which the facility's turbines, facility grounds, and nearby residential neighborhood areas were inspected. Mr. Washington and Mr. Lewis were present during the facility tour. During the facility tour and interview with SWBNO personnel, it was noted that Turbine 6 (EQT 0020) is the only turbine on site that has the ability to run on diesel. It was not operational at the time of inspection, and according to Mr. Washington, the last time Turbine 6 operated was 2/28/2022.

Turbine 5 (EQT 0012) is natural gas operated and was operational at the time of the inspection. According to Mr. Lewis, it is not diesel that is being flung from Turbine 5, it is oil. Mr. Lewis stated, "Turbine 5 has an oil leak that is causing oil to be released from Turbine 5's stack (See Photo 1, Attachment 3) and it has been happening for weeks". At the time of inspection, we did not observe oil being actively released from Turbine 5. According to Mr. Lewis, SWBNO staff have been unsuccessful in their ongoing search for the source of the leak.

A clear, oily (when touched) material was observed splattered on concrete and metal surfaces on the facility's property near Turbine 5. (See Photos 2-3, Attachment 3) This clear, oily (when touched) material was also observed splattered on off-site surfaces including roads, and individually owned vehicles parked on Spruce St. between Eagle St. and Leonidas St. (See Photos 4-13, Attachment 3). Due to the nature of the material, even though it was observed to have leaked on items in the area, including the ground, it was unable to be observed and was not visible when photographed on the soil. The owner/operator failed to clean up and/or properly manage released used oil, in violation of LAC 33:V.4013.E.3. Specifically, the facility failed to clean up used oil (MOBIL DTE 732) that, according to Mr. Lewis, had been releasing for weeks due to a leak from Turbine 5. The affected area where used oil was spilled and/or released from the faulty equipment included facility grounds, and a residential neighborhood on Spruce Street between Eagle Street and Leonidas Street. The affected surrounding properties include, but are not limited to roadways, vehicles, lawns, and residential homes. According to an email from Ms. Wilson on 4/01/2022, Turbine 5 will continue to be operated as needed.

#### Records Review

Prior to the completion of the inspection, a list of records was requested for review, and to be provided at a later date. Records requested included: Turbine run time hours, Turbine maintenance records, and additional information pertaining to the oil leak including repair time. The Field Interview Form left with Mr. Corwin on 3/04/2022, documented Turbine 6 has an oil leak, this was an error on the Inspector's behalf. Turbine 6 does not have an oil leak; Turbine 5 does.

Al Name: Sewerage& Water Board of New Orleans - Carrollton Water Purification Plant

Alt ID No: Incident #: T-207469 Date of Inspection: 3/04/2022

On 3/08/2022, I emailed Ms. Ann Wilson, SWBNO Chief of Environmental Affairs, informing her of the citizen complaint, and our inspection observations and findings. A formal action plan for the cleanup of the released used oil was requested to be provided by the close of business on 3/18/2022. (See Attachment 4)

On 3/17/2022, I contacted Mr. Washington and requested a copy of the Safety Data Sheet (SDS) for the oil used in Turbine 5. On 3/22/2022, Mr. Washington provided an SDS for MOBIL DTE 732 via email. (See Attachment 5)

On 3/18/2022, Ms. Wilson provided a response and action plan via email. (See Attachment 4). Ms. Wilson's response states, "In an effort to comply with the Department's request to submit a formal action plan for remediation, SWBNO contacted its emergency response & remediation vendor, OMI Environmental Solutions to evaluate the impact of remnants of the oily residual. Specifically, the vendor stated that the standard method of cleanup using industrial soaps and chemicals would not be effective. The cleanup procedure would be ineffective because the oily residual was dried into the concrete and metal. The remnants are tantamount to stains, similar to an automobile leaking oil, it adhered to the concrete and will fade over time. Furthermore, it was stated by OMI that the industrial soaps and chemicals if applied to the automobiles that were impacted by the oily residual would strip the coating and paint off the automobiles causing significant damage to private property."

"SWBNO's Department of Risk Management deployed investigators to speak with the residents impacted and it was stated by the residents that the oily residual observed on their automobiles washes off when the automobiles are washed and detailed. In addition, two (2) claims have already been submitted to SWBNO. SWBNO's Management intends to schedule a meeting to discuss the incident with the impacted residents in the near future."

"The Department requested the following items related to Turbine 5: run-time hours, maintenance records, safety data a sheet for the oil product utilized that was emitted via the stack and the anticipated repair completion date. At this time, SWBNO is working on gathering that information and will provide the information available in a separate notification letter on or before March 31, 2022. Any information not available by this date, will be noted in the response."

On 3/25/2022, I emailed Ms. Wilson informing her that LDEQ has reviewed SWBNO's response and action plan and deemed it inefficient, and requested additional information. (See Attachment

- 4) The information requested included:
  - 1. An evaluation of the amount of used oil released.
  - 2. Was a Reportable Quantity exceeded?
  - 3. A delineation of the area affected.
  - 4. A determination of the area requiring remediation.
  - 5. A Root Cause Analysis.
  - 6. Has the equipment been fixed? Is it still being used (if not fixed)?
  - SWBNO plans for preventing this issue in the future. Based on an EDMS records review this appears to be a reoccurring issue.

AI Name: Sewerage& Water Board of New Orleans - Carrollton Water Purification Plant

Alt ID No: Incident #: T-207469 Date of Inspection: 3/04/2022

8. Having residents contact SWBNO to file a claim, is not an acceptable response or avenue for remediation.

On 4/01/2022, Ms. Wilson emailed a response to the 3/25/2022 request. According to the response, Turbine 5 will continue to be operated as needed. No activities have been taken to clean the released oil; as Ms. Wilson's response claims there is no substance or area requiring remediation.

As of 4/04/2022, the facility has not provided Turbine 5 runtime hours or maintenance records that were requested during the 3/04/2022 site visit to determine when the release began.

#### COMPLIANCE ASSISTANCE

Not provided to this facility.

# SUMMARY OF OBSERVATIONS Violations

• The owner/operator failed to clean up and/or properly manage released used oil, in violation of LAC 33:V.4013.E.3. Specifically, the facility failed to clean up used oil (MOBIL DTE 732) that, according to Mr. Lewis, had been releasing for weeks due to a leak from Turbine 5. The affected area where used oil was spilled and/or released from the faulty equipment included facility grounds, and a residential neighborhood on Spruce Street between Eagle Street and Leonidas Street. The affected surrounding properties include, but are not limited to roadways, vehicles, lawns, and residential homes. According to an email from Ms. Wilson on 4/01/2022, Turbine 5 will continue to be operated as needed.

A Notice of Deficiency will be issued.

Al Name: Sewerage& Water Board of New Orleans - Carrollton Water Furification Plant

Alt ID No: Incident #: T-207469 Date of Inspection: 3/04/2022

### LIST OF ATTACHMENTS

ATTACHMENT 1 Field Interview Form

ATTACHMENT 2 Incident T-207469

ATTACHMENT 3 Photographs

ATTACHMENT 4 Action Plan/Email Correspondence

ATTACHMENT 5 Safety Data Sheet

AI Name: Sewerage& Water Board of New Orleans - Carrollton Water Furification Plant

Alt ID No: Incident #: T-207469 Date of Inspection: 3/04/2022

## **ATTACHMENT 1**

Field Interview Form (2 Pages)

# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY FIELD INTERVIEW FORM

AGENCY INTEREST#:	73	
ALTERNATE ID#: T-200	INSPECTION DATE: 3/04/2003 TIME OF	
(iD Type/N	UNDER DEPARTURE DATE: 3/04/0000 TIME OF	F DEPARTURE: 11-15Am
FACILITY NAME: SUBO	10-Carrollian Water Ant PHONE #: (	0041865 0550
LOCATION: 8800 S	Chibornt At. New Others I	A 70118
	PARISH:	itans
RECEIVING STREAM (BASI	N/SUBSEGMENT):	
MAILING ADDRESS: 800	05 Chibanale New Oriens C	4 70118
	(City) (Ste	-
FACILITY REPRESENTATIVE FACILITY REPRESENTATIVE		Environmental P.M.
	d TELEPHONE of RESPONSIBLE OFFICIAL (1 different from ab	ove):
	· · · · · · · · · · · · · · · · · · ·	
INSPECTION TYPE: PC	Tring PROGRAM INVOLVED: AIR DWASTED WATER	OTHER:
INSPECTOR'S OBSERVATI	ONS: (e.g. AREAS AND EQUIPMENT INSPECTED, PROBLEMS, DEFICIEI	
Site isit in	COMMITMENTS FROM FACILITY REPRESENTATIVES	T- 2-24/8
Cuarling tracking	ald be chies comprised	00/161)
Mucho Jane	s making me flight dieser of	n nerrby
neighborhood. Fr	scilly for a coalk most newly o	reportion conducted
Jurbine # 6 is [	and gently correctly not operation to	st date of
caration by T#6	was ababase. Troja #5 is Athers	Loss model
k a result in The	1 1 1 1 1 2 2 2	Jas Hames
a cultury in great	410m. According to Dan Lewis Tuchine Op	water, 746
Ms an oil leak in	the unit that is cassing small amonds.	of oil to be
selected was the s	stack. Stains/splatter of an oily state	LANG LUTS OBSAUCE
on the facility wown	1. nearly whicles pokent along Source &	When Eak Y
/) /0	The space of	TEMES COPES.
AREAS OF CONCERN:		
REGULATION	EXPLANATION	CORRECTED?
		YES   NO
		YES NO
PHOTOS TAKEN:	YES NO SAMPLES TAKEN YES NO	
	The state of the s	(Attach Chain-of-Custody)
RECEIVED BY SIGNATURE:	Com O Washington	
PRINT NAME: WWM	Lacorinton ()	
(NOTE: SIGNAT	URE DOES NOT INDICATE AGREEMENT WITH INSPECTOR'S NOTES)	
INSPECTOR(S): Jodi H	CROSS REFERENCE	
Ton A	ATTACHMENT	
REVIEWER:	ATTACHMENT	•
424		***
NOTE: The information contain	ned on this form reflects only the preliminary observations of th	e inspector(s). It should not
any matter, including, but not	nination by the Department of Environmental Quality or any of it	s officers or personnel as to

requirements of statutes regulations or permits. Each day of non-compliance constitutes a separate violation of the regulations and/or the Louisiana Environmental Quality Act.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY INSPECTOR OBSERVATIONS (cont'd)	
AGENCY INTEREST#: 5673 ALTERNATE ID#: 1-207469 INSPECTION DATE:	Voclas
FACILITY NAME: SUBDO-CAROLLAS	
INSPECTOR OBSERVATIONS CONT'd:	
And bonder St., on the grant (street) on Spring St.	
Ver time hours, maintenance words, and additional information	
Pur time hours, maintenance records, and additional information pertaining to the look including separatione was approved.	
3/4,	
3/4/202	
	1
INITIALS OF RECEIPT	the

PAGE 2 OF 2

Al No: 5673

Al Name: Sewerage& Water Board of New Orleans - Carrollton Water Purification Plant

Alt ID No: Incident #: T-207469 Date of Inspection: 3/04/2022

## **ATTACHMENT 2**

Incident T-207469 (4 Pages)

### LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY INCIDENT REPORT

Incident:207469

Incident Description

Incident Type:

Complaint, Facility Air Release

Incident Date:

03/03/2022 08:48:00

Parish:

Orleans

Municipality:

**New Orleans** 

Location:

8800 S Claiborne - New Orleans, LA

Lat/Lon:

Basin/Segment: Substance(s):

Media Impacted:

Soil/Air

Incident Desc:

Complaint One of the turbines at the facility has been malfunctioning. The facility has been

operating a lot louder than normal and the turbine is flinging material, that seems to be diesel, all over the surrounding neighborhood. This material is damaging property and making it unsafe to sit outside. The sewage and water board said that the issue could not be addressed until 2023 at the

earliest. LB

Incident Status

Lead Investigator:

Jodi Holewka

Incident Region:

Southeast

Incident Status:

Closed

Followup Status:

Closed

As Of:

03/29/2022 14:44:51

#### **Incident Reporter 1**

Received By:

Louis Berner

**Received Date:** 

03/03/2022 08:48:00

Dispatch Number(s):

241464, C5020

Reported By:

Ariane Livaudais

Phone:

985-807-3566 (Home phone number)

Reporter Title: Organization:

Address:

Municipality:

State:

Zip Code:

Comments:

# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY INCIDENT REPORT

Incident:207469

**Incident Source 1** 

Source Name:

Sewerage & Water Board of New Orleans -

Carrollton Water Purification Plant

Address:

8800 S Claiborne Ave

Municipality:

**New Orleans** 

State:

LA

Phone:

5049423856(Work phone number)

Parish:

AI #:

5673

**Related Permits:** 

Comments:

An inspection was conducted on 3/04/2022 in response to a citizen complaint (T-207469) alleging the violator, Sewerage & Water Board of New Orleans – Carrollton V/ater Purification Plant, is flinging a material that appears to be diesel from a turbine, which is damaging nearby properties.

As part of the inspection, a facility tour was conducted in which the facility's turbines, facility grounds, and nearby residential neighborhood areas were inspected. Turbine 5 is natural gas operated and was operational at the time of the inspection. According to Mr. Lewis, it is not diesel that is being flung from Turbine 5, it is oil. Mr. Lewis stated, "Turbine 5 has an oil leak that is causing oil to be released from Turbine 5's stack and it has been happening for weeks". At the time of inspection, we did not observe oil being actively released from Turbine 5.

A clear, oily (when touched) material was observed splattered on concrete and metal surfaces on the facility's property near Turbine 5. This clear, oily (when touched) material was also observed splattered on off-site surfaces including roads, and individually owned vehicles parked on Spruce St. between Eagle St. and Leonidas St. Due to the nature of the material, even though it was observed to have leaked on items in the area, including the ground, it was unable to be observed and was not visible when photographed on the soil.

### LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY INCIDENT REPORT

Incident:207469

**Incident Source 2** 

Source Name:

Sewerage & Water Board of New Orleans -

Carrollton Water Purification Plant

Address:

8800 S Claiborne Ave

Municipality:

**New Orleans** 

State:

Phone:

5049423856(Work phone number)

Parish:

5673

**Related Permits:** 

Comments:

Summary

The owner/operator failed to clean up and/or properly manage released used oil, in violation of LAC 33:V.4013.E.3. Specifically, the facility failed to clean up used oil (MOBI\_ DTE 732) that, according to Mr. Lewis, had been releasing for weeks due to a leak from Turbine 5. The affected area where used oil was spilled and/or released from the faulty equipment included facility grounds, and a residential neighborhood on Spruce Street between Eagle Street and Leonidas Street. The affected surrounding properties include, but are not limited to roadways, vehicles, lawns, and residential homes. According to an email from Ms. Wilson on 4/01/2022, Turbine 5 will continue to be operated as needed.

The complainant was contacted.

The violation found during this inspection will be forwarded for further review in a separate report

(INS20220003) and this incident will be closed. JKH

### Jodi Holewka

Subject:

SERO Complaint T 207469 Diesel Orleans C5020

SERO Complaint T 207469 Diesel Orleans C5020

Sent: Thursday, March 3, 2022 9:35 AM

Subject: Intranet Citizen Complaint: Confirmation: C5020 - 3/3/2022 9:35:07 AM

Internal Receiver Information	
* Date and Time Received:	03/03/22 08:48:00
* Received By (DEQ staff):	Louis Berner
Email (Email must be provided to receive confirmation email):	
Anonymous Complaint:	No
Caller Information	
* First Name:	Ariane
* Last Name:	Livaudais
* Phone Number:	985-807-3566
Mailing Address:	
City:	
State:	
Email:	
Zip:	
I request a follow-up on inspector findings:	Yes
Site Information	
Alleged Violator:	NO Sewer and Water Board
* Physical Location/Address:	8800 S Claiborne
* City:	New Orleans
* State:	Louisiana
Zip:	
Date of Discharge:	
Noticed Time Began:	
Noticed Time Ended:	
* Parish of Occurrence:	Orleans Parish
Media Affected:	air
If water, name the nearest water body:	
Description of complaint:	One of the turbines at the facility has been malfunctioning. The facility has been operating a lot louder than normal and the turbine is flinging material, that seems to be diesel, all over the surrounding neighborhood. This material is damaging property and making it unsafe to sit outside. The sewage and water board said that the issue could not be addressed until 2023 the earliest.
Directions for reaching the site:	

3/25/2022 11:14am voicemail 16/5 3/31/2022 8:22mboicemil 16/5

AI Name: Sewerage& Water Board of New Orleans - Carrollton Water Purification Plant

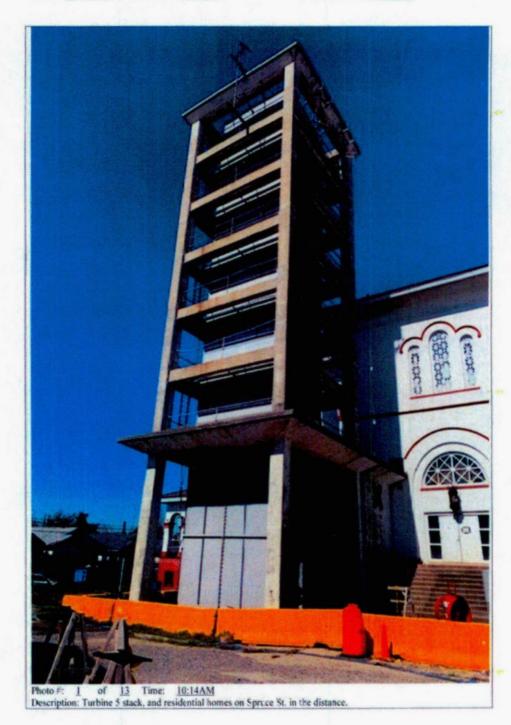
Alt ID No: Incident #: T-207469 Date of Inspection: 3/04/2022

# **ATTACHMENT 3**

Photographs (7 Pages)

Facility Name: Sewerage & Water Board of New Orleans - Carrollton
Water Purification Plant Al: 5673

Photographer: <u>Jcdi Holewka</u> Other ID #: <u>T-207469</u> City: New Orleans Parish:
Date: 3/04/2022 Reason: Incident Parish: Orleans

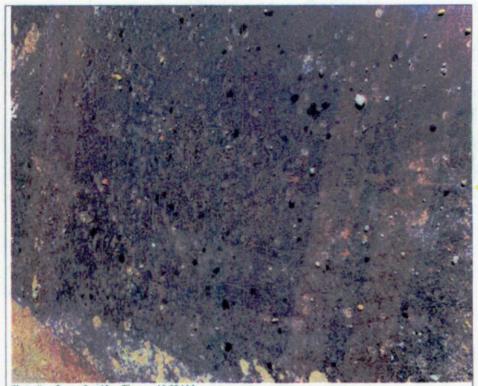


Facility Name: Sewerage & Water Board of New Orleans - Carrol ton AI: 5673

Water Purification Plant

City: New Orleans Parish: Orleans Photographer: Jodi Holewka Date: 3/04/2022 Reason: Incident

Other ID# T-207469



of 13 Time: 10:09AM Description: Clear, oily (when touched) material observed splattered on concrete and metal surfaces on the facility's property near Turbine 5. Photo is facing down.

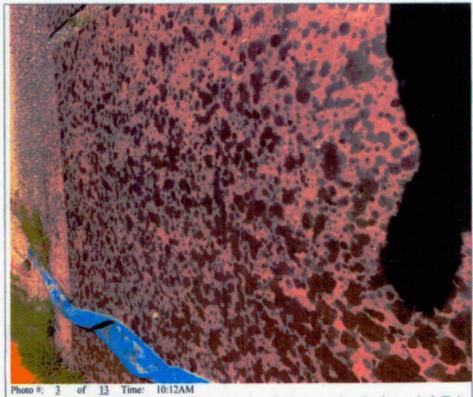


Photo #: 3 of 13 Time: 10:12AM
Description: Clear, oily (wher touched) material observed spla:tered on concrete and metal surfaces on the facility's property near Turbine 5.

Facility Name: Sewerage & Water Board of New Orleans - Carrollton Al: 5673

Water Purification Plant

Parish: Orleans Photographer: Jodi Holewka City: New Orleans

Date: 3/04/2022 Reason: Incident Other ID #: T-207469

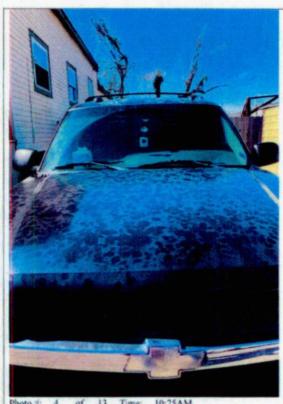
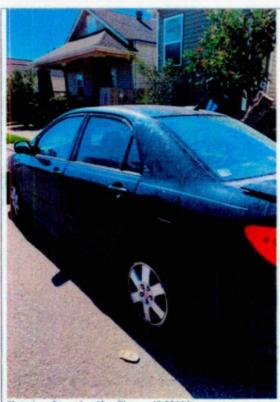


Photo #: 4 of 13 Time: 10:25AM
Description: Clear, oily (when touched) material observed splattered on individually owned vehicles parked on Spruce St. between Eagle St. and Leonidas St.



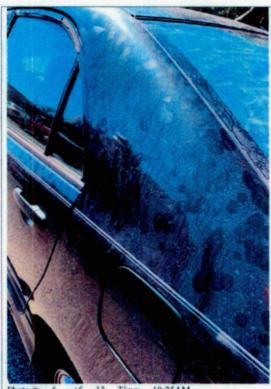
Fhoto h: 5 of 13 Time: 10:25AM
Description: Clear, oily (when touched) material observed splattered on individually owned vehicles parked on Spruce St. between Eagle St. and Leonidas St.

Sewerage & Water Board of New Orleans - Carrollton Facility Name: AI: 5673

Water Purification Plant

City: New Orleans Parish: Orleans Photographer: Jodi Holewka

Date: 3/04/2022 Other ID #: T-207469 Reason: Incident



of 13 Time: 10:25AM

Description: Clear, oily (when touched) material observed splattered on individually owned vehicles parked on Spruce St. between Eagle St. and Leonidas St.

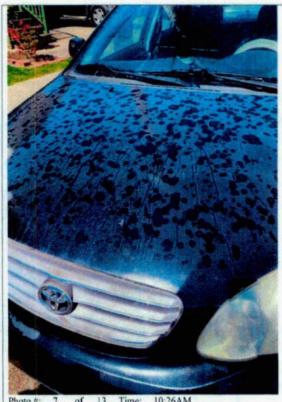


Photo #: 2 of 13 Time: 10:26AM

Description: Clear, oily (when touched) material observed splattered on individually owned vehicles parked on Spruce St. between Eagle St. and Leonidas St.

Facility Name: Sewerage & Water Board of New Orleans - Carrollton AI: 5673

Water Pur fication Plant

City: New Orleans Parish: Orleans Date: 3/04/2022 Reason: Incident

Photographer: Jodi Holewka

Other ID #: T-207469

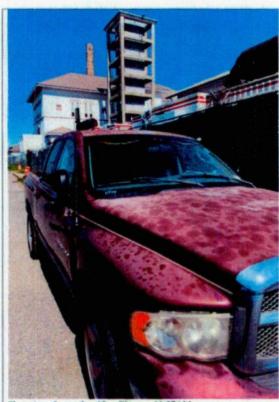


Photo b: 8 of 13 Time: 10:27AM

Description Clear, oily (when touched) material observed splattered on individually owned vehicles parked on Spruce St. between Eagle St. and Leonidas St. View of Turbine 5 stack in the background.

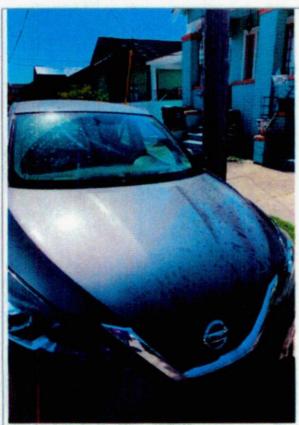


Photo #: 9 of 13 Time: 10:27AM

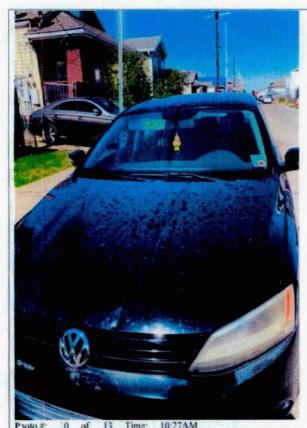
Description: Clear, oily (when touched) material observed splattered on individually owned vehicles parked on Spruce St. between Eagle St. and Leonidas St.

Facility Name: Sewerage & Water Board of New Orleans - Carrollton AI: 5673

Water Purification Plant

City: New Orleans Parish: Orleans Photographer: Jodi Holewka

Date: 3/34/2022 Reason <u>Incident</u> Other ID #: <u>T-207469</u>



Proto #: \_0 of \_13 Time: 10:27AM

Description: Clear, oily (when touched) material observed splattered on individually owned vehicles parked on Sprace St. between Eagle St. and Leonidas St.

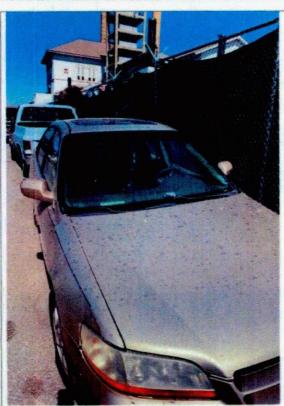


Photo # 11 of 13 Time: 10:28AM

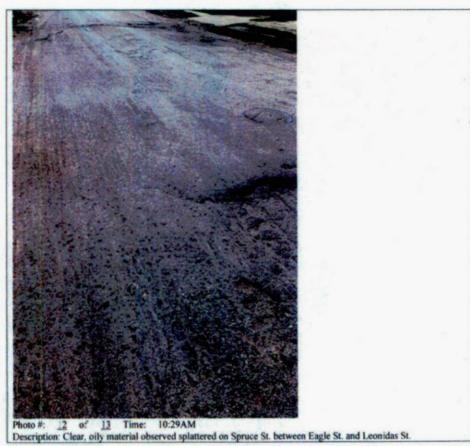
Description: Cleer, oily (when touched) material observed splattered on individually owned vehicles parked on Sprace St. between Eagle St. and Leonicas St. View of Turbine 5 stack in the backgrounc.

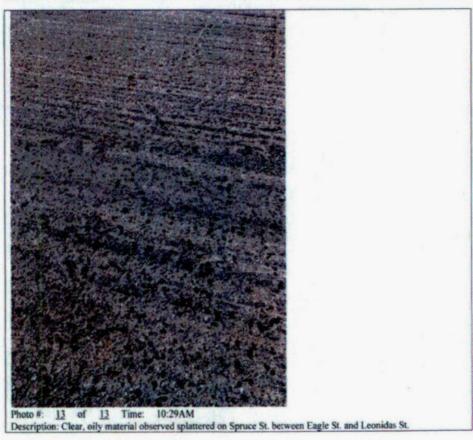
Facility Name: Sewerage & Water Board of New Orleans - Carrollton AI: 5673

Water Purification Plant

City: New Orleans Parish: Orleans Photographer: Jodi Holewka

Date: 3/04/2022 Reason: Incident Other ID #: T-207469





Al No: 5673

Al Name: Sewerage& Water Board of New Orleans - Carrollton Water Purification Plant

Alt ID No: Incident #: T-207469 Date of Inspection: 3/04/2022

# **ATTACHMENT 4**

Action Plan/Email Correspondence (7 Pages)

### Jodi Holewka

From:

WILSON, Ann <awilson2@swbno.org>

Sent:

Friday, April 1, 2022 6:34 PM

To:

Jodi Holewka; WASHINGTON, Corwin

Cc:

Holly Herrmann; Daniel Cristina

Subject:

RE: Action Plan Required!

Attachments:

Document LDEQ RFI 04012022.pdf

Follow Up Flag:

Follow up

Flag Status:

Flagged

EXTERNAL EMAIL: Please do not click on links or attachments unless you know the content is safe.

See attached.

From: Jodi Holewka < Jodi. Holewka@LA.GOV>

Sent: Friday, March 25, 2022 9:13 AM

To: WILSON, Ann <awilson2@swbno.org>; WASHINGTON, Corwin <cwashington3@swbno.org> Cc: Holly Herrmann <Holly.Herrmann@LA.GOV>; Daniel Cristina <Daniel.Cristina@la.gov>

Subject: RE: Action Plan Required!

Importance: High

====== EXTERNAL EMAIL | USE CARE WITH LINKS AND ATTACHMENTS =======

Ms. Wilson,

The response from Sewerage & Water Board of New Orleans (SWBNO) has been reviewed and deemed inefficient.

The plan requires additional information including, but not limited to:

- 1. An evaluation of the amount of used oil released.
- 2. Was a Reportable Quantity exceeded?
- 3. A delineation of the area affected.
- 4. A determination of the area requiring remediation.
- 5. A Root Cause Analysis.
- 6. Has the equipment been fixed? Is it still being used (if not fixed)?
- SWBNO plans for preventing this issue in the future. Based on an EDMS records review this appears to be a reoccurring issue.
- 8. Having residents contact SWBNO to file a claim, is not an acceptable response or avenue for remediation.

Thank you,

Jodi Holewka

Louisiana Department of Environmental Quality Surveillance Division Environmental Scientist III

Office: (504) 736-7748

### Fax: (504) 736-7702

From: WILSON, Ann <a href="mailto:awilson2@swbno.org">awilson2@swbno.org</a> Sent: Friday, March 18, 2022 3:45 PM

To: Jodi Holewka < Jodi. Holewka@LA.GOV >; WASHINGTON, Corwin < cwashington 3@swbno.org >

Cc: Holly Herrmann < Holly.Herrmann@LA.GOV>

Subject: RE: Action Plan Required!

EXTERNAL EMAIL: Please do not click on links or attachments unless you know the content is safe.

Jodi, attached is the Board's response for formal action plan for the cleanup of used oil.

WATER METER

Ann Wilson, Chief Environmental Affairs

SEWERAGE & WATER BOARD of NEW ORLEANS

CELL (504)252-8707

2900 Peoples Avenue, Room 215, New Orleans, LA 70122

8800 S. Claiborne Avenue, Room 207, New Orleans, LA 70118

awilson2@swbno.org

From: Jodi Holewka < Jodi Holewka@LA.GOV > Sent: Tuesday, March 8, 2022 10:37 AM

To: WILSON, Ann <a href="mailto:www.awilson2@swbno.org">awilson2@swbno.org</a>; WASHINGTON, Corwin <a href="mailto:cwashington3@swbno.org">cwashington3@swbno.org</a>;

Cc: Holly Herrmann < Holly. Herrmann@LA.GOV>

Subject: Action Plan Required!

Importance: High

====== EXTERNAL EMAIL | USE CARE WITH LINKS AND ATTACHMENTS =======

Ms. Wilson,

Attached is a Field Interview Form (FIF) for a inspection/investigation conducted at SWBNO – Carrollton Water Purification Plant located at 8800 S. Claiborne Ave. New Orleans, LA on 3/04/2022 in response to citizen complaint #T-207469.

My investigation revealed that Turbine#5 has an oil leak that is causing oil to be released through the stack. Oil was observed on the facility ground, on Spruce St., and on numerous vehicles parked along Spruce St.

A formal action plan is being requested for the cleanup of the used oil released. Please provide this plan by the close of business on 3/18/2022.

Thank you,

Jodi Holewka

Louisiana Department of Environmental Quality Surveillance Division Environmental Scientist III Office: (504) 736-7748 Fax: (504) 736-7702



# The Sewerage & Water Board

#### OF NEW ORLEANS

625 ST. JOSEPH STREET NEW ORLEANS, LA 70165 504.529.2837 OR 52.WATER www.swbno.org

April 1, 2022

Louisiana Department of Environmental Quality c/o Jodi Holewka, Environmental Scientist III Surveillance Division South East Regional Office 201 Evans Road, Suite 420 Elmwood, LA 70123

RE: CARROLLTON WATER PURIFICATION PLANT INCIDENT TRACKING NO. T-207469 AGENCY INTEREST: 5673

Ms. Holewka.

On March 4, 2022, the Louisiana Department of Environmental Quality (the Department) conducted an investigation of the SEWERAGE & WATER BOARD OF NEW ORLEANS (SWBNO) Carrollton Water Purification Plant located at 8800 S. Claiborne Avenue in New Orleans, Orleans Parish, Louisiana (the Site), in response to a citizen's complaint of oily fluids discharging offsite from turbine operation. Specifically, the investigation revealed remnants of stains observed on street top, catch basin covers and on adjacent residents' property located on Spruce Street. Although, Turbine 5 was operating at the time of the investigation, there was no indication that oily fluids were being emitted and/or discharged to the environment.

On March 18, 2022, SWBNO submitted a response letter to the Department via email detailing the inability to remediate per recommendation of SWBNO's contracted vendor for Emergency Response and Remediation Services, OMI Environmental Solutions, along with SWBNO accepting claims regarding any potential damages to private property per impacted residents. On March 22, 2022, the Department received the Safety Data Sheet for the Turbine Oil, Mobile DTE 732, as requested. On March 25, 2022, the Department requested additional information.

SWBNO has started the process of conducting an internal investigation into the cause of any potential discharge of oily fluids and has sought additional technical assistance in determining a root cause analysis. General Electric is scheduled to perform a full diagnostic evaluation of Turbine No. 5 within the next 60 to 90 days. SWBNO will continue to utilize Turbine No.5 and Turbine No. 6 based upon the operational requirements of this agency. In addition, SWBNO cannot definitively confirm that turbine oil, specifically Mobile DTE 732 was released to the environment. The substance may not be any of the pollutants listed in the reportable quantity list provided in LAC 33: I.3931.B. Due to the infrequency of the turbine operation, the oil usage has not increased to reach the reportable quantity; regardless if any purported discharge was continuous, intermittent, or as a one-time mass discharge within any continuous 24-hour period.

Per the received claims, SWBNO has identified the potential impacted area as approximately less than or equal to one (1) acre. As stated in the previous response to the Department, there is no substance and or area requiring remediation; the surrounding vegetation reveals no negative signs of impact. Neither the Department, nor SWBNO could determine or confirm if the staining observed on the street top and catch basin covers located on Spruce Street is related to this incident during the investigation on March 3, 2022. Droplets were observed on residents' personal vehicles; however, no samples were taken or requested at the time of the investigation.

If you should have any further questions and/or concerns, please feel free to contact Corwin L Washington at (504) 418-0927 or via email at cwashington3@swbno.org.

Sincerely,

Ann Wilson, Chief

ann teller

**Environmental Affairs Department** 

Sewerage and Water Board of New Orleans

AW/CLW



# The Sewerage & Water Board

### OF NEW ORLEANS

625 ST. JOSEPH STREET NEW ORLEANS, LA 70165 504.529.2837 OR 52.WATER

www.swbno.org

March 18, 2022

Louisiana Department of Environmental Quality c/o Jodi Holewka, Environmental Scientist III Surveillance Division South East Regional Office 201 Evans Road, Suite 420 Elmwood, LA 70123

RE: CARROLLTON WATER PURIFICATION PLANT INCIDENT TRACKING NO. T-207469 AGENCY INTEREST: 5673

Ms. Holewka.

On March 4, 2021, the Louisiana Department of Environmental Quality (Department) conducted an investigation of the SEWERAGE & WATER BOARD OF NEW ORLEANS (SWBNO) Carrollton Water Purification Plant located at 8800 S. Claiborne Avenue in New Orleans, Orleans Parish, Louisiana (the Site), in response to a citizen's complaint of oily fluids discharging offsite from turbine operation. Specifically, the investigation revealed remnants of oily residual observed on street top, catch basin covers and on adjacent residents' property located on Spruce Street and the Site adjacent to Turbine 5. Turbine 5 was operating at the time of the investigation and there was no indication that oily fluids were being discharged via the stack.

In an effort to comply with the Department's request to submit a formal action plan for remediation, SWBNO contacted its emergency response & remediation vendor, OMI Environmental Solutions to evaluate the impact of remnants of the oily residual. Specifically, the vendor stated that the standard method of cleanup using industrial soaps and chemicals would not be effective. The cleanup procedure would be ineffective because the oily residual was dried into the concrete and metal. The remnants are tantamount to stains, similar to an automobile leaking oil, it adhered to the concrete and will fade over time. Furthermore, it was stated by OMI that the industrial soaps and chemicals if applied to the automobiles that were impacted by the oily residual would strip the coating and paint off the automobiles causing significant damage to private property.

SWBNO's Department of Risk Management deployed investigators to speak with the residents impacted and it was stated by the residents that the oily residual observed on their automobiles

washes off when the automobiles are washed and detailed. In addition, two (2) claims have already been submitted to SWBNO. SWBNO's Management intends to schedule a meeting to discuss the incident with the impacted residents in the near future.

The Department requested the following items related to Turbine 5: run-time hours, maintenance records, safety data a sheet for the oil product utilized that was emitted via the stack and the anticipated repair completion date. At this time, SWBNO is working on gathering that information and will provide the information available in a separate notification letter on or before March 31, 2022. Any information not available by this date, will be noted in the response.

If you should have any further questions and/or concerns, please feel free to contact Corwin L Washington at (504) 418-0927 or via email at cwashington3@swbno.org.

Sincerely,

Ann Wilson DN: cn=Ann Wilson, o, ou, email=awilson2@swbno.org, c=JS Date: 2022.03.18 15:41:10 -05'00'

Ann Wilson, Chief **Environmental Affairs Department** Sewerage and Water Board of New Orleans

AW/CLW

Al Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant Alt. ID/Permit No.: LAD981511850 Date of Inspection: 04/12/2023; 04/24/2023

## **ATTACHMENT 5**

**Email Correspondences (Provided Information/Records)** 

#### Von Magee

From: FINNEY, Scott <sfinney@swbno.org>
Sent: Wednesday, April 26, 2023 3:33 PM

To: Von Magee

Cc: WILSON, Ann; SPOONER, Ron; TYMRAK, Kaitlin; MANCUSO, Eric; DE JEAN, Shawn;

WILLIAMS, Anita

Subject: RE: Questions Regarding LDEQ Complaint T213615 e-mail 2

Attachments: 1-4-2023 to 4-5-2023.pdf; 4-5-2023 to 4-16-2023.pdf; 4-17-2023 to 4-24-2023.pdf

EXTERNAL EMAIL: Please do not click on links or attachments unless you know the content is safe.

Von,

This the remainder of the logs.

Thanks Scott

Scott S. Finney, CIT, REM
Senior MS4 Stormwater Manager, SUSM
Sewerage & Water Board of New Orleans
Environmental Affairs Department
Room 207
8800 South Claiborne Ave,
New Orleans, LA 70118
(504) 865-0662 office
(504) 628-7549 Cell

Email: Sfinney@swbno.org

From: FINNEY, Scott

**Sent:** Wednesday, April 26, 2023 3:27 PM **To:** 'Von Magee' <Von.Magee@LA.GOV>

Cc: WILSON, Ann <awilson2@swbno.org>; SPOONER, Ron <rspooner@swbno.org>; TYMRAK, Kaitlin

<ktymrak@swbno.org>; MANCUSO, Eric <EMANCUSO@swbno.org>; DE JEAN, Shawn <SDEJEAN@swbno.org>;

WILLIAMS, Anita <a williams 2@swbno.org>

Subject: RE: Questions Regarding LDEQ Complaint T213615 e-mail 2

Von,

We have gather the information you requested: See attached documents.

Listed below in Red are your questions, and in Blue are the responses from SWBNO.

The log information is over 30 Meg and your system would not receive it. I will place the data in two (2) e-mails.

All responses were supplied by the General Superintendents office.

**Thanks** 

Scott

A few follow-up questions to your initial inquiry responses:

Regarding item #1.a:

 If you're proceeding as described, how is the SWBNO going to conduct remedial actions of the released material?

- We have provided car covers to local residents to use at their convenience.
- Has the SWBNO made any definitive determinations as to an exact source since the time of your last email correspondence?

As noted below, we are continuing to move forward with establishing a contract with GE to perform an engineering analysis and design and supply a knock-down tank for their vapor extractor, which will hopefully mitigate the issue.

#### Regarding item #2:

 Please provide the current SDS for the Mobil DTE 732 turbine oil Attached.

#### Regarding items 1.b and 3:

- Is Turbine 5 still in operation as of this email's date?
   Yes.
- Is there an expected return-to-service date for Turbine 4 at this point-in time?
   Contractors are still inspecting the turbine components and developing a plan for repair. At this point we anticipate the unit to return to service by June 1, 2023.

#### New questions:

In addition to those follow-ups, I have questions regarding your response to compliance order HE-C-22-00472:

- When was the last time the Turbine 5 associated oil tank was filled prior to 04/09/2023, and also the next time after that date?
  - The Turbine 5 oil tank was last filled on 12/29/2022. It has not been filled since 4/9/2023.
- Are there records available to correlate with filling of the associated oil tank? If so, please provide for the time period between 07/26/2022—the date of this email.
  - Yes. The oil tank is filled by procedure only when the "Low Lube Oil Level" warning on the control system computer screen comes in. It is filled until this warning clears. Currently the operator notebook is the only explicit indication that oil has been added. The page from this date is included. The hourly logs from 7/26/2022 until the present are also included, showing tank level in the column "Oil Tank Level" on side one of the logs, which correlate with tank level gradually decreasing since it was last filled. No daily logs are generated on dates when the turbine is shutdown for the duration of an entire day, which includes the first few days in the request.
- Since the event in March of 2022, has the SWBNO conducted increased monitoring of the associated oil gauge on the reservoir in comparison to the tank level observed to ensure proper oil level when refilling the reservoir? If so, are there records to indicate this occurred? If so, please provide for the time period of 07/26/2022—the date of this email and describe that account for the most recent filling prior to 04/09/2023. The two indications of oil tank level are the numeric gauge at the tank, and the qualitative "High Lube Oil Level"
  - and "Low Lube Oil Level" warnings on the control system display. The gauge has been tracked hourly since prior to March 2022, and the warnings have been programmed into the control system since prior to that date as well. Visual checks of the tank level gauge on an hourly basis is the most practically frequent monitoring at this time.
- Did the SWBNO add a knockdown tank vessel to support the associated vapor extractor piping?

We are continuing to move forward with establishing a contract with GE to perform an engineering analysis and design and supply a knock-down tank for the vapor extractor

Scott S. Finney, CIT, REM
Senior MS4 Stormwater Manager, SUSM
Sewerage & Water Board of New Orleans
Environmental Affairs Department
Room 207
8800 South Claiborne Ave,
New Orleans, LA 70118
(504) 865-0662 office

(504) 628-7549 Cell

Email: Sfinney@swbno.org

From: Von Magee < Von.Magee@LA.GOV > Sent: Friday, April 21, 2023 2:39 PM
To: FINNEY, Scott < sfinney@swbno.org >

Cc: WILSON, Ann <a wilson2@swbno.org>; SPOONER, Ron <r spooner@swbno.org>; TYMRAK, Kaitlin

<a href="mailto:ktymrak@swbno.org">ktymrak@swbno.org</a>; DE JEAN, Shawn < SDEJEAN@swbno.org</a>; <a href="mailto:ktymrak@swbno.org">ktymrak@swbno.org</a>; DE JEAN, Shawn < SDEJEAN@swbno.org</a>;

WILLIAMS, Anita <a williams 2@swbno.org>

Subject: Questions Regarding LDEQ Complaint T213615

====== EXTERNAL EMAIL | USE CARE WITH LINKS AND ATTACHMENTS =======

\_\_\_\_\_

Please provide responses to each item within the email below by close-of-business on 04/26/2023. Thank you.

Respectfully,

Von A. Magee Louisiana Department of Environmental Quality - SERO 201 Evans Road Bldg. 4, Ste. 420 New Orleans, LA 70123

Office: 504-736-7731 Fax: 504-736-7702

From: Von Magee < Von.Magee@LA.GOV > Sent: Friday, April 21, 2023 2:35 PM
To: FINNEY, Scott < sfinney@swbno.org >

Cc: WILSON, Ann <a wilson 2@swbno.org>; SPOONER, Ron <r spooner@swbno.org>; TYMRAK, Kaitlin

<a href="mailto:ktymrak@swbno.org">ktymrak@swbno.org</a>; DE JEAN, Shawn < SDEJEAN@swbno.org</a>; CEMANCUSO@swbno.org</a>; DE JEAN, Shawn < SDEJEAN@swbno.org</a>;

WILLIAMS, Anita <a williams2@swbno.org>

Subject: RE: Questions Regarding LDEQ Complaint T213615

Importance: High

Thank you for the reply Mr. Finney.

A few follow-up questions to your initial inquiry responses:

Regarding item #1.a:

- If you're proceeding as described, how is the SWBNO going to conduct remedial actions of the released material?
- Has the SWBNO made any definitive determinations as to an exact source since the time of your last email correspondence?

Regarding item #2:

Please provide the current SDS for the Mobil DTE 732 turbine oil

Regarding items 1.b and 3:

Is Turbine 5 still in operation as of this email's date?

• Is there an expected return-to-service date for Turbine 4 at this point-in time?

In addition to those follow-ups, I have questions regarding your response to compliance order HE-C-22-00472:

- When was the last time the Turbine 5 associated oil tank was filled prior to 04/09/2023, and also the next time after that date?
- Are there records available to correlate with filling of the associated oil tank? If so, please provide for the time period between 07/26/2023 – the date of this email.
- Since the event in March of 2022, has the SWBNO conducted increased monitoring of the associated oil gauge on the reservoir in comparison to the tank level observed to ensure proper oil level when refilling the reservoir? If so, are there records to indicate this occurred? If so, please provide for the time period of 07/26/2023 the date of this email and describe that account for the most recent filling prior to 04/09/2023.
- Did the SWBNO add a knockdown tank vessel to support the associated vapor extractor piping?

#### Respectfully,

Von A. Magee Louisiana Department of Environmental Quality - SERO 201 Evans Road Bldg. 4, Ste. 420 New Orleans, LA 70123

Office: 504-736-7731 Fax: 504-736-7702

From: FINNEY, Scott <<u>sfinney@swbno.org</u>>
Sent: Friday, April 14, 2023 10:20 AM
To: Von Magee <Von.Magee@LA.GOV>

Cc: WILSON, Ann <a wilson2@swbno.org>; SPOONER, Ron <r spooner@swbno.org>; TYMRAK, Kaitlin

<a href="mailto:ktymrak@swbno.org"><a href="mailto:ktymrak@swbno.org">http://mailto:ktymrak@swbno.org</a></a></a></a>

WILLIAMS, Anita <a williams2@swbno.org>

Subject: RE: Questions Regarding LDEQ Complaint T213615

**EXTERNAL EMAIL:** Please do not click on links or attachments unless you know the content is safe.

Von,

See the questions and answers you requested.

All information was provided by the General Superintendent's Office.

- 1. Is SWBNO aware of an occurrence fitting this description which occurred on or around 04/09/2023? If so, SWBNO received correspondence from local neighbors regarding oil droplets on April 9, 2023. On this date, Turbine 5 was the only power generation asset in operation.
  - a. Please describe the cause, contributing factors, and any immediate and planned corrective action(s); SWBNO is proceeding under the assumption that what is being observed in the adjacent neighborhood is residual oil emitted from the exhaust stack of Turbine 5. However, the exact cause is unknown, as it appears to be intermittent. SWBNO has engaged GE Gas and Power, the manufacturer of Turbine 5, to perform an engineering analysis and design and supply a knock-down tank for their vapor extractor, which will hopefully mitigate the issue.
  - b. Please provide details regarding the duration (day and start/stop times)?

    Turbine 5 was placed into service on April 3, 2023, following a mechanical issue with Turbine 4 that rendered it out of service. A 25-hz power asset is required to be online at all times at SWBNO in order to provide power for 25-hz potable water pumps and drainage pumps; SWBNO is the only power provider that

can provide 25-hz electricity for these pumps. Turbine 5 will be in operation until such time that Turbine 4 can be returned to use.

2. Please provide SDS sheet of any materials released.

The composition and makeup of the material that was observed by the neighbors has not been identified. Turbine 5 uses Mobil DTE 732 turbine oil, or an equivalent product.

- 3. When were the relevant unit(s) last started/brought in to service?

  Prior to this event, Turbine 5 was last used on March 28, 2023 for a short duration during a rain event. However, both Turbines 4 and 5 remain critical to sustained water pumping and drainage operations and will continue to be utilized on a rotational basis until such time that the new Power Complex is operational.
- 4. Is there any kind of testing conducted toward verifying integrity of the relevant unit(s)? If so, please describe. SWBNO operations staff follows an SOP for startup and shutdown of Turbine 5, as well as for operation of the unit.

If you have any other questions please let me know. Thanks
Scott

Scott S. Finney, CIT, REM
Senior MS4 Stormwater Manager, SUSM
Sewerage & Water Board of New Orleans
Environmental Affairs Department
Room 207
8800 South Claiborne Ave,
New Orleans, LA 70118
(504) 865-0662 office
(504) 628-7549 Cell
Email: Sfinney@swbno.org

From: Von Magee < Von.Magee@LA.GOV > Sent: Wednesday, April 12, 2023 2:57 PM
To: FINNEY, Scott < sfinney@swbno.org >

Subject: Questions Regarding LDEQ Complaint T213615

Importance: High

====== EXTERNAL EMAIL | USE CARE WITH LINKS AND ATTACHMENTS =======

Good afternoon Mr. Finney. Mr. daniel Cristina and I visited the Carrolton Water Treatment Plant today in-response to citizen complaint T213615 which alleges issues experienced with one of your turbines and resulting oil releasing through the exhaust stack, impacting neighboring houses and vehicles along Spruce Street between Monroe and Leonidas. When we arrived, we spoke with Ms. Anita Williams who directed specific questions to you. Those questions are listed below:

- 1. Is SWBNO aware of an occurrence fitting this description which occurred on or around 04/09/2023? If so,
  - a. Please describe the cause, contributing factors, and any immediate and planned corrective action(s);
  - b. Please provide details regarding the duration (day and start/stop times)?
- Please provide SDS sheet of any materials released.
- 3. When were the relevant unit(s) last started/brought in to service?

4. Is there any kind of testing conducted toward verifying integrity of the relevant unit(s)? If so, please describe.

Please provide requested information by close-of-business on Friday 04/14/2023.

Please also note, I misidentified the date on the Field Interview Form (FIF) I left with Ms. Williams today. The inspection/departure dates both read as "4/2/23" and should read "4/12/23" I will make the correction when the form is sent to EDMS.

#### Respectfully,

Von A. Magee Louisiana Department of Environmental Quality - SERO 201 Evans Road Bldg. 4, Ste. 420 New Orleans, LA 70123

Office: 504-736-7731 Fax: 504-736-7702

Thursday (alasalaa 11-)

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Equip Out: # 1 turbine, Brup, # 1 pup @chaib #2-pup@panola. 1-EMD 0.05

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## Sewerage and Water Board of New Orleans



#5 Turbine Log Date: 7-29-22

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General Notes: Started @ 12:50pm Flame ON: @ 1:01pm Up to Speed @ 1:14pm Field @ 1:20pm
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#### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 7-29-22

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#### Sewerage and Water Board of New Orleans



#5 Turbine Log

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Temp.

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General Notes: @ 12:19pm #5 Testine started @ 12:34pm Flame on @ 12:38pm up to speed @ 1:00pm Loaded @ 3:44pm #5 Testine stapped @ 3:417 Flame out @ 3:56pm on T.G.

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#### Sewerage and Water Board of New Orleans #5 Turbine Log

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# Severage and Water Board of New Orleans



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General Notes: Started @ 6:00 am Flome on @ 6:00 am Up to Speed @ 6:10 am Load @ 6:23 am
Stopped #5 Turbine 8:15 Am C.B.

# Sewerage and Water Board of New Orleans #5 Turbine Log



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Time	Point No.1 Exhaust Temp	Point No. 2 Exhaust Temp.	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 1 1st Stage Wheel-Fwd	Point No. 1 Ist Stage Wheel-Fwd	Point No. I. 1st Stage Wheel-Fwd	Point No. 29 2nd Stage Wheel- Aft	Fuel Gas Before Stop Valve	Fuel Gas After Stop Valve	Fuei Oil Supply	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd, Oil Motor Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Off Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
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General Notes: Started @ 6:00 am Flame on @ 6:00 am Up to Speed @ 6:10 am Load @ 6:23 am
Stopped # S Turbine 8:15 Am C.B. @ 3:38 pm Stopped @ 3:41 Flame out, @ 3:56 pm T.G.

Semerago and Waste Board of New Orleans Dale: 8-16-22 Side One Speed Analysis of Front Cooler Page 1 Analysis of Front Cooler Page 1 Analysis of Front Cooler Page 1 Provided Taken Uv. E. Easterling 40 1/2 4 184 168 125 155 156 3600 88 105 120 127 116 10 12N

General Moles: Sturted #5 Turbine @ 7:43 am. Flame @ 7:48 am. Stopped #5 Turbine @ 7:53 am. Flame out @ 7:54 am.
Stopped #5 Turbine because of unusally high smell of gas outside of Turbine. Started #5 Turbine @ 8:34 am Flame on @ 8:45 am
up to Speed @ 8:57 am. Field @ 9:00 am Stopped @ 9:23 am Flame out @ 9:27 am T.G. @ 9:35 am

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#5 Turbine Log



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Time	Point No. i Exhaust Temp.	Point No. 2 Exhaust Temp.	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel- Aft	Fuel Gas Before Stop Valve	Fuel Gas After Stop Valve	Fuel Oil Supply	Fuel Oil Affe Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp, Relay Outlet	Exhaust Detector Left	Exhanst Detector Right	
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General Notes: Storted #5 Turbine @ 9:43am. Flame on @ 7:48am. Stopped #5 Turbine @ 7:53am. Flame out @ 7:54am. Stopped #5 Turbine because of unusally high smell of gas outside of Turbine. Started #5 Turbine @ 8:34am Flame on @ 8:45am. up to Speed @ 8:57am. Field @ 9:00am Stopped @ 9:23am Flame out @ 9:27am T.G. @ 9:35am

Sewerage and Water Board of New Orleans
#5 Turbine Log Date: 8-18-22



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General Noves: Started #5 Turbine @ 10:23 am Flame on @ 10:27 am Up to Speed @ 10:40 am Load @ 10:45 am

#### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 8-18-22 Hyd. Oil Motor Inlet Lube Oil Brg. Header Fuel Oil After Filter Hyd. Oil Motor Outle 12M 1AM 3 7 54 E.E. 55 E.E. 55 E.E. 55 E.E. 545 545 542 546 550 459 379 84 232 151 62 30 54 54 540 546 543 545 549 458 400 85 23 152 62 30 54 55 IPM 540 547 544 545 548 457 387 85 23 152 62 30 54 55 549 549 549 552 553 467 480 88 60 31 54 151 554 554 557 559 471 485 60 131 53 su 551 552 552 554 557 469 88 483 150 60 155 CZ 6 10

General Notes: Started #5 Turbine @ 10:23 an. Flame on @ 10:27 am. Up to Speed @ 10:40 am. Load @ 10:45 am

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General Moies: Started #5 Turbine @ 2:22pm. Flame on @ 2:27pm. Up to Speed @ 2:40pm.



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#5 Turbine Log



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General Notes: Started \$5 Turbine @ 2:22pm. Flame on @ 2:27pm. Up to Speed @ 2:40pm.

Addressed in exten

## Sewerage and Water Board of New Orleans



#5 Turbine Log

Date: 8-20-22

									700000000	-				0				Date	: 8-20	22	~
Time	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(c)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add IC/Needed	Incoming Gas Press.	Kilowatts		Reading Taken By:
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6	/	3608	86	110	125	130	118		126	159 158	100	/	172		40	1/2	y	184	4100		C. Easterlina
7	(	3606	85	110	126	135	118	/	125	158	100	/	174		40	1/2	y	184	4300		C. Vasterling
8		3606	86	110	126	136	118		125	162	162	/	176	/	40	1/2	y	184	4500		E. Easterling
9		3607	86	110	126	135	118	/	125	162	166	/	178	/	40	1/2	y	184	4500		E. Easterling E. Easterling
10		3606	85	110	126	136	117		124	OWNERS OF SECOND PROPERTY.	162		174		40	1/2	y	184	4700		E. Easterling
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General Notes:			

### Sewerage and Water Board of New Orleans #5 Turbine Log

Date: 8-26-22

Thme	Point Mo. 1 Exhaust Temp.	Point No. 2 Exhaust Temp	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel- Aft	Puel Gas Before Stop Valve	Fuel Gas After Stop Valve	Fuel Oil Supply	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Metor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Dahaast Detector Right	
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General Notes: Started #5 TURBINE @ 4:54pm. Flame ON @ 4:58pm. Up to Speed @ 5:10pm. Field @ 5:20pm.

### Sewerage and Water Board of New Orleans

#5 Turbine Log

													ie di	0				Date	: 8-71-77	•	~14
Time	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(c)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add if Needed	Incoming Gas Press.	Kilowatts		Reading Taken By:
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2	/	3612	75	110	126	176	117	/	125	160			180		40	42	~		4200		63
3		3612	85	110	124	134	117		125	160	162		140		40	1/2	Y	IXY	4aw		60
4		3613	91	110	142	160	122	/	140	159	162		140		40	42	4	184	4300		6 5
5		3613	81	110	14)	160	122		140	159	160		180		40	1)	Y	184	4300		6 3
6		3613	8)	110	142	160	122		140	169	160		180		40	1/2	7	184	4300		67
7		3612	89	110	1.12	160	122		190	160	162		180		90	16	Y	188	9400		No
8		3612	89	116	192		122		190	160	162	/	180	/	90	1/2	V	188	9800		- Su
9		3612	(6)	110	192		122		190	160	162	/	180		90	1/4	V				- Str
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General Notes: Did'n+ take Reading do to Start of #4 turbin

# Sewerage and Water Board of New Orleans #5 Turbine Log Date: y-17-11



											MJ J	i was w	ARC I	108			and the second s		Date.	8 -	1 1				The state of the state of
Time	Point No.1 Exhaust Temp.	Point No. 2 Exhaust Temp.	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Tomp	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel-Aff	Fuel Gas Before Stop Valve	Fuel Gas- After Stop Velve	The second second	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Cutlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor	Zemp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	67
2M	608	608	606	609	610		/	$\angle$	/	/	410	/,	/	86		4	/	/	23	151	64	31	50	53	63
4M	610	610	608	607	609				/		410		/	87		-	-	-	23	157	64	3)	57	53	67
)	610	610	60%	(00)	609	462				/	1110	/	/	87		/	/	/	-		69	3)	52	53	65
3	610	1010	608	(00)	609	462	/	/	/	/	416	/	/	87	/	/_	/	/	23	152	64	21	54	54	67
1	(007	607	606	610	615	1 0	/	/	/	/	518	/	/	94	/,	/,	/	/	23	152	64	31	5Y	5-4	63
5	607	607	606	610	615	100	/	/	/	/	1 518	/	/	184		/,	/	/	23	152	64	31	54	34	GJ
5	607	607	600	1010	615			/		/	578	/	/	1 84	/_		/	/	23		WINDSON, STREET,			540	9
7	10	619	10/8	623	627		/	7	/		500	/	/		/	/	/	1	23	155	68	30	59	30	700
8	6 14 6 14	1019	6/8	623	1.27	179	/	//	/	/	18/10	/	/		/	/	/	/	23	152	68	20	60	59	12
		619	1010	( 72	(3)	474	/	/	/	/	\$10 510	/	/	1		/	/	/	23	150	68	120	59	50	Ha Ha
	657	657	666	623	1000	1-176	//	/	/	1/	5/1	/	/		/	/	/	/	23	153		30	01		2
10		157	161	660	666	5/7/0	17	17	1	17	15/1	/	/		/	/	/	/	23	152	64	130	54	34	10
231	667	657	Leve	1000	wee	TIVE	1	1	7	1	1	/	1/		/	/		/			-	-	-		-
2N						-	17	17	//	1	1	/	1/	1	/	/	/	/			-	+	-	-	
PM 2					-	+	17	1	1	1	1	/	1	1	/	/	1/	1/			-	-	-	-	-
2				-	-		1	1	1	1	1	/	/		/	/	/	1/				-			-
3				-	-	-	1	1	1	1	1	1/	1/			/	/	1/			_	-	_	-	-
4				-	-	-	1	1	1	1	1	1	1			/	/	1/			_	-	-		-
5				-		+	1	1	1	1	1	/	1		/	/	/	1/	1			-	-	-	
6				-	-	+	1	1	1	1	1		1		/	/	/	1/				-	-	-	-
7				-	+	-	1	1	1	1	+-	-	1		1	1	1	/	1					-	-
8					-	-	1	1	1	1	1	-	1	1	/	1	1	1/	1				-		
9				-	-	-	1	1	1	1	+	/	1	1	17	/	1	1	1				-		-
10				-	-	+	1	1	1	1	+-	-	1	1	17	1	1/	1/	1						
11							1/	1/	1/						-		-								

## Sewerage and Water Board of New Orleans

											#5 T	urbi	ne L	og				Date	8:	31.	22	<b>22</b>
Time	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(c)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add If Needed	Incoming Gas Press.	Kilowatts			Reading Taken By:
12M	/											1		/								
1AM 2														/		-						
2								/				/										
3	/							/				/		/								
4	/											/		/								
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7				-		<del>                                     </del>		/					NO, 182 182 Flan				_				1	
8		Q	7	155	5	AV+	ed	1	@	70	1 F	Tor	MO.	Ca	28	1)	yes yes	10+	n <	an	#	
9		3500	89	100	139	159	122				100	-	182	1	080	3/8	Ves	184	m	rea	CD	Ho
10 11 12N	/	3500 3500	89	100	139	150	122		190	162	1600	1	182	/	46	3/	VOD	189	970	-		They
11	/	1	2)	1000	SCA	15	1000	ed	(2)	11:0	MAN		FlAn	no	DU	170	1	707	1129			
12N		0			0		11	1	0			/		/								
1PM												/										
2	/											/		/								
3												/		/								
5												/		/							-	
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11												/										
Gen	eral N	otes: _																				
													12.37.03/103/12								-	
				W. T.																		

## Sewerage and Water Board of New Orleans #5 Turbine Log

Date: 8, 81.22

														-	-	-	Marie Contract of the	-	-	CO,	1.4	>			
THE	Point No.1 Abaust Temp.	Point No. 2 Exhaust Temp	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No 6 Exhaust Temp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel- Aft	Fuel Gas Before Stop Valve	Fuel Gas - After Stop Valve	Fuei Oil Supply	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
M	33	Щ.	- 13	au	El .		/		/			/	/			/	/	/							
M							/		/			/	/			/	/	/							
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2 3							/		/			/			/	/	/	/							
4									/				/		/	/	/	1	-						
5									/	/			/		6	-	/	1	-						
6								/				/_	/	-	1	1	1	1	-	<del> </del>			***	***************************************	
7							/		/	/		/	/	-	/	/	1	1							
8							/	/			1	-	/	+	1	1	1	1	29	185	55	37	53	55 55	No
9	633	635	633	637	520	45	/	/	/	/	501	/	1	-	1	1	1	1	25	155	52	30	93	55	Man
10	\$16	516	517	519	320	459	/	/	/	4	488	1	/	-	1	1	1	1	10	,					
11	Ť						/	/	/	/	-	-	1	-	1	1	17	1	1						
11 2N PM					-		/	6	/	1	-	/	1	+	1	17	17	1	1						
	-				-	-	1	/	-	1	-	-	1	+	1	1	17	1	1						
2					ļ	-	1	1	-	1	-	-	1	-	1	1		1							
3				-	-	-	1	/	/	1	+	/	1	1	17	17	1	1							
4				-	-	-	6	-	1	1	1	-	1		1	1	1	17							
5				-	-	-	1	-	1	1	1		17	1	1	/	1/	1/	1						
7		_		-	+	-	1	1	1	1	1	-	1		7	1	1	1/					-		
-				-	+	<del>                                     </del>	1		1	1	1	/	1	1	/		1/	1/					-	-	
8					+		1	1	1	1	1					1/	/	1/					-		
10		-	-	-			1	1	1	1	1	/	1				1/	1/				-	-	-	-
11		-		1	-	1	17	17		and the same						1/	1/	1/						1	
DESCRIPTION OF THE PERSON OF T				-	AND DESCRIPTION OF	-	- International Nation	and the second of the second of the	aud no militare manufacture																
Ge	neral P	Notes:																							

## Sewerage and Water Board of New Orleans

#5 Turbine Log Date: 9/3/22

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Time	Rum Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(¢)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add if Needed	Incoming Gas Press.	Kilowatts		Reading Taken By:
2M																					
IAM				-1																	
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9		-																			
10																					
11		-			157	157	12)		137	162	160	_		180	45	3/8	V	185	6200		Suc
12N			83	IID	177	156	124	-	140	162	160	-		180	45	3/8	4	184	6000		5~
1PM			100		140	-				111	1	-		180	45	78	Ý	184	4800		70
2	-	000	100	110	140	160	124	-	140	162	158	-	150		45 45	3/8	Ipo	188	1000		No.
3	-	350 350	76	100	1760	11/20	124	-	KID	162	158	_	180	_	<19	3/8,	1/05	188	1100		No
4	-	3600	71	100	Ido	160	124	-	100	1100	4158	_	180	_	95	3/8	109	184	9000		No.
5	-	3600	16	100	AD	(60)	1.34		140	162	158	-	180	_	48	3/8	Yes	188	5300		Ny
7		3600	100	100	KHO	11/00	W	_	190	162	158	_	180	_	95	3/8	1/85	188	2000		NO
8	-	2/000	00	In	100	160	IN	_	180	160	158	_	180 180 180 180 180 180 180 180 180 180	-	95	3/8	Ves_	184	4000		- My
9	+	7(.00	60	100	RO	160	124		190	1000	158		180	_	S	13/6	Yes Yes Yes Yes Yes Yes Yes	184	12800		19
10	-	3600	on	100	19	1100	124	T	140 140 140 140 150 150	160	158 158 158 158		081	_	55555555555555555555555555555555555555	3/8	VC5	184	1100 9000 5300 5000 4000 1800 3500 3500		1
11	-	3620	lan	140	140	1160	124	-	140	100	158	-	180	) -	145	38	Yes	1184	13200		1011

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#### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 93/32

Lube Oil Brg. Header Fuel Oil After Filter Hyd. Oil Motor Inlet Point No. 6 Exhaest Temp. Hyd. Oil Motor Outle Exhaust Detector Left Point No. 1st Stage Wheel-Fw 12M 1AM Smel : 10:50 111:0 > hand 10:30 Flane 1 10.42 Jun 152 66 30 55 100 52 66 30 869 5412 570 530 806 604 609 604 608 611 469 506 806 11 593 594 592 598 600 469 General Notes: \_\_\_

#### Sewerage and Water Board of New Orleans #5 Turbine Log

Date: 914122

														0				Date	. 41	とってって	`		
Time	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(¢)	Oii Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add (L'Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3620	80	110	140	COVI	124	_	140	160	158		180	_	45	3/8	162	184	3500				Diekes
IAM		3630	80	110	140	100	194	_	140	1002	158		180		45	3/8	Yes	184	3500				Didges
2		3619	80	110	140	160	194	THE SHARES	140	601	158		180		45	3/8	ks	184	3600				NINES
3		3619	80	110	140	1100	124	_	140	1wa	158	-	180		45	3/8	Yes	184	3600				DRHES
4		3619	80	IVO	140		124		140	100	128	-	180	1	45	88	Yes	184	3500				ORTES .
5		3619	80	110	140	160	124		140	162	15x .		180	)		3/2	165	187	3600				D. BARES
6		3619	0	110	140	160	124		140	401	158	-	180	_		318	Yes	184	3600				O. Polos
7		3612	83	110	140	160	124	_	140	162	160	-	180	_	45	3/8	yes	184	4600	_	_		La Beatler
8	_	3612	83	110	140	160	124	_	140	162	160		180	-	45	3/8	Yes	184	4600	*	i permita	_	L. Butter
9		36/3	83	110	140	160	124		740	162	160	_	180	-	45	3/8	Yes	184	4500				C. Button
10		3615	83	110	140	160	124		140	162	160		180	_	45	3/8	YES	184	4200	_	negative.	-	C. Brotter
11	_	36/7	86	110	140	160	124		142	162	161	_	182		45	3/8	1/05	184	3700	_			C. Catter
12N	_	36/7	86	110	140	160	124	_	142	162	161		182	_	45	3/8	Yes	184	3700	_	*****	_	C. Butter
PM		3621	86	110	140	160	124		142	162	161		182	_	75	3/8	Yes	184	3200	-	-	-	Cosutter
2	_	3610	86	110	140	160	124	-	142	162	161	_	182	-	45	3/8	Yes	783	4700				C. Byther
3		2600	2	110	190	160	124	_	192	162	160	_	182	_	75	3/8	Yes	185	3600	)			As
4		3600	88	110	40	160		_	113		***************************************	_	182	_	95	3/8	Yes		2600		_		Ma.
5		3600	88	110	190	160		_	192	162	lleo	_	182	_	45	3/8	Ves	183			_	_	yla.
6		3600	84	100	10	160	128	-	192	162	160	-	180		45	3/8	1/05	189	3000	_		_	the
7		3600	84	100	190	160	1d4	-	192	100	160	-	182		45	3/8	Ves	184	320		_	_	20
8		3600	84	100	140	160	49	_	R2	1602		_	182	_	95	3K	Kes	189	300	-	_	_	Sasy
9	***************************************	3600	84	100	140	1100	44	_	193			_	182	_	75	3/8	Ves	189	2800	_		_	Xa
10		3600	24	100	140	1100	10/1	~	192	162	160	-	182	_	49	3/8	Ves	184	280D		_	_	J.
11	AND TO SECURE	3623	22	100	140	160	124	-	142	162	165	_	184	-	45	318	yes	185	2900	_	_	-	a Re

General Notes:	

#### Sewerage and Water Board of New Orleans #5 Turbine Log

#5 Turbine Log 9/4/120 Date: Hyd. Oil Motor Outlet Fuel Oil After Filter IAM 593 30 54 596 596 600 600 30 54 599 600 4108 41de \_ 

General Notes:	

## Sewerage and Water Board of New Orleans



#5 Turbine Log

										7	#5 T	urbii	ne L	og				Date	: 9-1	-22			VID.
Time	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(31)	Gear Brg. No.4 Temp	Generator Brg. Temp.(c)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add if Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
2M		3623	31	108	140	160	124	_	142	162	165	_	184	_	45	218	yes	152	2200				a 4
MA		3622	81	ios	140	160	174		142	162	162	_	184	_	45	3/5	yes	152	3000				a 6
)		3622	31	168	140	160	124	_	142	162	162	-	184	-	45	315	der	124	3400				a w
2		3623	81	10 8	140	160	174	_	142	162	162	_	184	_	45	3 18	4+1	185	3000				e 4
1		3627	81	(0.8	140	160	124	_	142	162	162	_	184		45	315	An	185	3600		,		a lu
5		3621	81	106	140	160	124	_	146	162	161	-	183	_	45	318	14.	184	7000				a et
6		3621	3/	106	140	160	174	_	140	162	161	_	163	-	45	3/8	der	184	3160				
7			82	110	140	160	125	-	140	162	161	_	181	_	45	3/8	Y	185	3700	_	_	-	Sun
8		3621	84	110	140	159	124	_	142	162	160		182	_	45	3/8	yes	184	5500	_	_		L. Grotler
9		36/9	86	110	140	159	124		142	162	160	-	182	-	75	3/8	Yes	184	3400		_	_	C. Gutter
10		362/	86	110	140	160	124		142	162	162		1/82	plant PRINT.	45	3/8	yes	184	3300				C. Butter
11	_	3623	82	110	140	160	124	_	142	162	162		182	_	45	3/8	'Yes	184	2900	_	_	_	C. Butter
2N		3653	87	110	140	160	124	_	142	162	162	_	182		45	3/8	Yes	184	2900		_	_	C. Butter
PM		3623	90	110	140	160	124	_	142	162	162		183	-	45	3/8	yes	184	2400				C. Butty
2		3623	90	110	140	160	124	_	142	162	162	-	183	-	145	3/8	yes	184	2800		_		C. Buttley
3		3600	90	100	190	160	128	_	193	162	1602	-	183	_	95	3/8	Veg	189	2800				Mrs. No.
4	-	3600	90	100	-	160	128	_	192	162	162	-	183	-	45	3/8	Ves	184	2200	pa-1170	_		Sin Ja
5	_	3600	00	100	RO	160	04	_	192	162	162	-	183	_	95	3/8	1/25	184	2700		gen		de so
6	_	3600	88	100	140	160		_	195	162	162	-	183	-	45	3/8	Ves	184	2700		-	-	ma to
7		3600		100	10	160		-	145	162	164	_	183	_	45	3/8	169	189	280	-		No.	am The
8		3600		100	146	160		-	(9)	162	169	_	183	-	95	138	Veg	189	2800		-	-	m Ke
9	-	3600	-/	100	1711		1d4	-	189	Mod	168	-	1/83	-	45	3/8	Ves	185	300	-	-	_	ou to
10	-	360	184	100	190	luo	124	-	NB	162	1104	1	183	_	95	13/8	Ves	185	1310t	-	-	1	100 %
11	-	3/013	83	100	140	160	124	-	142	162	164	-	183	-	45	318	Act	184	2800			1	al

lotes:	-
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### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 9.5- 22

Time	Point No.1 Exhaust Temp.	Point No. 2 Exhaust Femp.	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel- Aft	Fuel Gas Before Stop Valve	Fuel Gas- After Stop Valve	Fuel Oil	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Moter Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp, Relay Outlet	Exhaust Detector Left	Exhaust Detector Rught	
2M	578	518	579	582	584	467	<b>F</b>				561	3		25					24	155	62	30	54	54	a 42
AM	579	5 80	250	582	585	467					501			84					24	155	62	30	54	54	c.0.
2	581	581	582	585	50	467					507			84					24	Irr	62	130	54	su	c. Q
3	580	580	181	584	587	466					507	Comme are and		84					24	157	62	30	54	55	(.)
1	517	577	578	581	584	464					562			83					24	157	62	30	14	55	e 1)
5	579	580	285	587	186	465					502			27					24	157	62	30	54	55	c. il
6	583	583	584	537	589	466					504			83					24	157	62	30	54	55	cd
7	284			589	591	466	_	_	_	_	505	_		83	_	_		-	24	153	62	30	53	55	200
8	615	615	614	618		473	_	_	_		523			84	_	_		-	24	155	64	305	535	54	C.B.
9	594	595	595	598	601	470	_	_	_	_	5/3			84		_	_	-	24	155	64	303	535	54	C.B.
10	594	594	594	598	600	472	_	-	_	_	5/2		_	34 86		_	-	1-	24	155	62	305	535	54	C.B.
11	587	588	588	591	594	493	_				509	_		27	_	_	-	-	24	1/55	62	305	535	54	C.B.
2NI	588	588	589	592	594	4/13	_	_	_	_	509	_		87	_	-	-	-	23/	155	62	305	535	54	C.B.
PM	588	C88	589	592	594	473	_	_		_	509		_	91	_	_	-	1-	124	155	62	305	535	54	C.B.
2	590	59/	591	594	596	475	_	_			5//			92	_		_	1-	124	155	62	300	535	54	C.B.
3	Zuli	588			592						511			92					201	199	1 / 1		53	59	The
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5		580	585	201	590	\$70					511			90					24	155	1/02	130	53	34	1 Ja
6	580	680	605	500	500	670					506 506			90					24	153	62	30	63	54	1 you
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8	585	585	584	589	592	660					506			90					24	155	Cont	30	53	39	de
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10		589	090		595					-	506		-	88				1	26	155	62	120	53	51	1
11	519	519	570	583	584	469		-		-	502		-	28			-	1	24	155	62	30	54	55	c. 0.

neral Notes:	-

## Sewerage and Water Board of New Orleans



Du	ic v	ne								3	#5 T	urbi	ne L	og				Date	: 4-6	22				XDD
Time	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Big. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(c)	Oil Tank Level	Oil Level Ok In Aux, Oil Pump Yes / No - Add (C Needed	Incoming Gas Press.	Kilowatts				R e Tak	ading cen By:
				10.8		160	126	_	142	162	162	-	183	_	45	318	442	184	1800				a_	er
M		3613	34		140		126		142	162	162	_	183	-	45	318	des	185	2400				a	4
1M		3612	24	108	140	160		_	142	162	162	_	187	-	45	3/8	4cc	185	2900				a_	CR_
2		3612	84	168	140	160	126	-	142	162	162	-	187	_	45	3/6	+,	184	2800				a	er
3		3613	84	fes	140	160	126		142	162	162	-	182		45	318	411	184	2900				a	25
4		3612	23	108	140	160			IME	162	162	-	183	_	45	318	401	184	3000				a-	a-
5		3612	82	108	140	160	126	-	142	162	162	-	123	-	45	314	4.1	174	2600				a	u_
6		3615	122	100	140	100	176		142	162	161	-	182	-	45	3/8	Ye5	184	3/00	-	_	-		day
7	_	36/1	82	1/2	142	159	125	_	THE REAL PROPERTY AND ADDRESS OF THE PERSON.	162	161	_	182	-	45	3/8	ves	185	3/00		_	_	C. By	dleg
8	_	36//	82	112	142	110	125		142		161		182		45	3/8	Ves		4700	_		_	Cibi	der
9	_	3600		1/2	142	159	125	-	1/1/0	162	161		182		45	3/8	Ves	184	1600		_		C.Ba	the
10	_	3600		1/12	142	159	125		17/2	1,62		_	182		45	3/8		189					C. Rea	the
11		3613		1/2	142	160	126		170	162	16/		1/83		45	3/8		189	4400	-		-	C.Ba	they
2N		3613	87	112	142	160	126	# /	142			-	100		11	170	1/00	100	17700		1-	-	CB	utter
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### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 4.6-22

Time Point No.1 Exhaust Temp.	Point No. 2 Exhaust Temp	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp	Point No. 6 Exhaust Temp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel-Aft	Fuel Gas Before Stop Valve	Fuel Gas - After Stop Valve	Fuel Oil Supply Temp.	Fuel Oil Affe Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Meter Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Rela Oatlet	Exhaust Detector Left	Exhaust Detector Right	
CIATI > , ,		580	523	585	444					502			87					24	155	62	30	54	55	c. b.
AM 582	2 582	583	586	812	466					SOL			86					24	155	60	30	54	55	c. 7
2 520	530	521	584	516	465					FCI			36					24	155	60	30	54	55	c.n.
3 511	577	578	581	523	464					500			86					24	115	61	70	54	15	C.P.
4 577	577	578	581	(8)	464					Sco			86					24	155	61	30	54	55	c.0
5 580	580	580	584	126	465					501			86					74	ICT	61	30	54	55	er il
6 570	571	570	514	575	467					497			86					24	155	61	30	54	sr	c. i).
7 5,80		583	586	588	465	_	_	_	_	501	_	_	85 85	_	_	_	-	24	155	62	303	535	545	C.B.
8 588	2 582	583	586	588	1465	_		_	_	501		_	85				-	24	155	62	305	233	543	C.B.
9 625	5 625	624	628	633	472	_	_	-	_	528	_	_	88		_	_	_	24	155	62	30	533	545	C.B.
10 623	3 623	623	627	632	473		_			<b>529</b> 526		-	88	—	-	_	_	24	155	62	305	533	545	C. B.
11 6/7	7 6/7	16/7	621	625	473	-			_	526	_	_	89		-			24	155	62	30=	535	545	C.B
2N 6/9	9 619	619	623	627		_		_	_	527	-		89	-	1	_		24	755	62	305	535	545	C.B.
PM					12:2	Dom	Stop	2009	For	bine				_	_		-							C.B.
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## Sewerage and Water Board of New Orleans



#5 Turbine Log

Date: 9-7-72

Time	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.! Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(c)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add if Needed	Incoming Gas Press.	Kilowatts			ading en By:
2M		3670	74	108	140	160	128	_	142	165	165	_	183	_	45	316	40	184	2400			u
AM		3637	76	108	140	160	158		142	165	165	-	187	_	45	712	40	185	2000		a	el
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#### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 9-3-22 Lube Oil Brg. Header Hyd. Oil Motor Inlet Ifyd. Oil Motor Outle Point No. 4 Exhaust Temp. Fuel Oil After Filter C.D. gl 11 5m 12M 568 572 574 478 459 6.8 62 24 155 18 12 AM 1AM 548 458 420 552 554 10 11 10 General Notes: .

#### Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 10/4/22 Kilowatts Gear Brg. No.4 Temp No.2 Brg. Temp. Pinion Brg. No.2 Temp Reading Taken By: 12M 1AM 12N 3600 88 1PM 110 131 149 118 162 1/4 E. Easterling 134 160 178 40 181 4400 3002 89 110 131 149 119 134 103 160 178 40 1/4 y E. Easterling 182 4500 110 137 148 122 3615 162 180 4400 120 163 162 80 182 4500 163 162 182 4400 42 3614 84 42 6 163 180 120 180 162 8 162 162 180 42 10 190 162 160

General Notes: Started # 5 Turbine @ 12:42pm. Flame ON @ 12:48pm. Up to Speed @ 1:00pm. Load @ 1:05pm.

# Sewerage and Water Board of New Orleans #5 Turbine Log Date: 10/4/22



Time	Point No.1 Exhaust Temp.	Pourt No. 2 Exhaust Temp.	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel- Aft	Fuel Gas Before Stop Valve	Fuel Gas. After Stop Valve	Fuel Oil Supply	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
2M		,						$\angle$				/	/		-	-	-	/							
AM								/				/	/		/	(	-	/							
2									/,	/		/	/		/	-	1	/							1
3							/	$\angle$	/,	/		/	/		-	/	/	-							
4							/	/,	/	/		/	/		-	1	1	1							
5							/	/	/	/		/	-		/	1	1	//							
6							/	/_	/	/		/	1	-	-	1	1	1							
7							/	/	/	/		/	/		/	1	1	1							
8							/	/	/	/	-	-	1		1	1	7	/							
9							/	/	/	/		/	1		1	1	1	/							
10							/	/-	/	/	-	/	1		1	17	1	7							
11							/	/	/	/	-	/	1	-	1	1	7	7							
2N							/		1	/	1117	/	/	80	1	17	1	1	235	151	63	31	53	54	E.E.
PM	617	617	016	619	624	470	/	/	-	1	463	-	1	82	1	17	17	17	235		03	31	53	54	E.E.
2	617	017	-		The same of the same of		/	-	/	1	-	-	1	83	1	17	1	1	24	154	63	302	53	54	Su
3	615	615	614	618	622	473	/	/	/	1	523	-	1	86	1	17	/	1	24	155	64	305	53	545	C.B.
4	616	616	615	619	623	473	1	/	1	1	524	-	1	86 86 86	1	1	/	/	124	155	64	303		545	C.B.
5	616	6/6	615	619	623	473	/	-	1	/	526	-	1	86	1	1	1	/	24	155	64	305		545	
6	610	610	6/0	6/3		472	1	/	1	1	525	1	1	86	1	1	1	/	24	155	64	30=		545	C.B.
7	608	1		6//	616	469	1		1	-	525		1	186	1	1/	1	/	24	155	64	30		545	C.B.
8	608		607	611	6/6	469	1	1	1	1	152/	-	1	86	1	1/	1	1/	124	155	64	30	53	545	C.B.
9	600	600		604	608		1	1	1	1	52/	/	1	187	1	17	1		24	155	64	30		542	C.B.
10	600	600	600	604	608	1467	1	1	1	1	573	-	1	87	1	1	1/	1/	27	1195	68	130	33	57	T VX

General Notes: Started #5 Turbine @12:42pm. Flame on @ 12:48pm. Up to Speed @ 1:00pm. Load @ 1:05pm.

Sewerage and Water Board of New Orleans



ide Ons	Sewerage and Water Board of New Ore #5 Turbine Log	Date / O. S. S	Reading
360 72 96 138 160 72 360 72 96 138 160 72 360 76 110 138 160 9 3612 80 110 138 160 120 3608 80 110 138 160 120 3608 80 110 138 160 120 3608 80 110 138 160 120 130 80 110 138 160 120 130 80 110 138 160 130 130 130 130 130 130 130 130 130 13	140 162 160 180 120 140 160 180 140 160 160 140 160 180 140 140 140 160 180 140 140 140 160 180 140 140 140 160 180 140 140 140 160 180 140 140 160 180 140 140 140 160 180 140 140 140 160 180 140 140 140 160 180 140 140 140 160 180 140 140 140 160 180 140 140 140 140 160 180 140 140 140 140 140 140 140 140 140 14	Ves 183 400 Ves 183 500 Ves 183 700	Taken By:  Taken By:  The Surface Control Cont

General Notes: ———

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# Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 10.5.22 Hyd. Oil Motor Outlet Fuel Oil After Filter Hyd. ( 601600 60 Mas 4166 1AM 60/ 60/ 600 604 608 7/66 -00 30 53 30 53 2 600 600 598 602 666 462 510 610 30 600 600 598 510 590 590 589 598 603 160 590 590 589 598 603 160 508 509 1600 1604/604 51 606 600 600 80 600 1606 63 (28) (28) 534 600 645/644 547 55 30 537 607 529 11 605 605 608 608 612 468 518 155 69

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Sewerage and Water Board of New Orleans



te O	FB(C)								3	45 T	urbi.	re Li	78	<: I		- B W		10.6.	1	Read	Hall .
Sum Ours	Spand / Rpm	Ambient Temp.	Oil Temp From Caoler	No.1 Brg. Temp	No.2 Brg. Temp.	Temp.	No.3 Big. Temp.	No 4 Erg Temp	Pinion Brg. No.1 Temp.	Pinton Brg. No.2 Temp.	Cear Prg. No.3 Temp.	Gear Brg. Thrust(3T)	Geer Brg. No.4 Temp	60		On Level Dil Yes I Na Age II Needed	Decembe Gas Press	Kilowath		Taken	By:
~ #		N. I.	io i	1		-					-	180		12	1/4	Yes Yes	183	4700		Nej	
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	3600	88	100	138	160	do		140	162	1600		180		42	1/4	Yes	183	4400		1	
	3600	80	100	138	160	120		190	162	140		180	/	42	1/4	1489	100	4100		I ve	
	3600	80	24	130	160	(do		140	162	160		180		12	1/4		183	4100		yo.	
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1	12400	L AA	1 1 1	1 16	100		/	140	167	1100	+-	180			119	1/62	1183	4200		DiBlops	
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		1							NAME OF TAXABLE PARTY.	ANDRESS MARCH MARCH	20,000	-		1	March Street, or other test						WANTED TO THE PARTY OF THE PART
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enera	Notes:	# 2		1-am	e eu	T	-		lam Ba												

#### Sewerage and Water Board of New Orleans #5 Turbine Log

Date: 10.6.22 Hyd. Oil Motor Inlet Hyd. Oil Motor Outlet Fuel Oil After Filter 518 605 604 608 1012 768 30 53 30 53 68 600 600 602 608 610 466 506 600 600 602 604 610 46te 506 30 53 30 53 30 53 30 53 1000 600 602 604 610 466 500 512 512 593 593 592 600 412 30 30 53 30 53 68 588 588 588 592 SB 46L 511 68 601 601 600 600 468 SIR (00) (60) (60) (60) (408 468 519 155 68 12N 1PM 6 10 General Notes:

### Sewerage and Water Board of New Orleans



#5 Turbine Log

Date: 10-29-22

						-	-		-	-				0				Date	: 10-2	24-5	4	XIA
Time	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg, Temp.(c)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add [CNeeded	Incoming Gas Press.	Kilowatts			Reading Taken By:
2M								/				1		/			<u> </u>					
M		1						/				/		/								
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И	/	3620	75	100	116	123	115		116	154	157	/	159	/	40	1/4*	y	183	2800			E.E.J. E.E.J. L.Bully C.Bullin
		3621	76	105	119	124	116	/	117	154	158	/	160	/	40	1/4*	y	184	2900			EE J
I		3621	77	109	137	160	120	/	136	162	162	/	180		40	5/16	Yes	183	2000	/		18 Bulle
		3621	77	109	137	160	120	/	136	162	162	/	180		40	5/16 5/16	Yes	183	2000 2000	-	1	Butter
			~/		H	V -	- 1					/				7/83	,	100	2000	/		Cibaut
			57	DD		14	NDI	NE	19	7,	78	Am	7							/		
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T													T. A. C.			-						

General Notes: Started #5 Turbine @ 1:15pm. Flame on @ 1:18pm. (lp to Speed @ 1:33pm. Load @ 1:39pm. + Oll Tank Level is @ 1/4. Uncertain of which reading (gauge on Turbine Digital reading) is the actual reading.

### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 10-29-22 Labe Oil Brg. Header Hyd. Oil Motor Outle

Hyd. Oil Moter Inlet Fuel Oil 12M 1AM 9 10 23<sup>5</sup> 150 61 30 53 23<sup>5</sup> 151 62 31 54 1PM 530 529 528 531 534 454 2 529 530 527 531 533 454 3 550 557 557 557 556 462 4 550 557 557 554 556 462 76 78 371 6 8

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### Sewerage and Water Board of New Orleans



#5 Turbine Log

Date: 11/5/22

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Time	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.! Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg, Temp.(¢)	Oil Tank Level	Off Level Ok In Aux, Oil Pump Yes / No - Add if Needed	Incoming Gas Press.	Kilowatts	Reading Taken By:
2M																				
AM																				
2						1														
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8																				
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12N IPM		3608	70	105	138	15 8	120	-	172	160	160	_	180	-	40	114	yes	185	2700	a_ U_
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General Notes:

### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 11/5/22

Time	Point No.1 Exhaust Temp.	Point No. 2 Exhaust Temp.	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel- Aft	Fuel Gas Before Stop Valve	Fuel Gas - After Stop Valve	Fuel Oil Supply	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Ourlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
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11	neral l	Notes:																							

### Sewerage and Water Board of New Orleans



#5 Turbine Log Date: // -/4-22

					-	-	-			-			-	0				Date	: //	14-22	~
Time	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No, 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg, No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(¢)	Oil Tank Levei	Oil Level Ok In Aux. Oil Pump Yes / No - Add if Needed	Incoming Gas Press.	Kilowatts		Reading Taken By:
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)		3600	62	105	134	154	118		128 126	158	158		172	/	40	1/4	Y	174	1300		65 65 <b>E.E</b> .
		3611	01	105	134	154	117		120	156	157		174		40	1/4	y	184	953		E.E.

NAME AND ADDRESS OF THE OWNER,	General Notes:
SALE CONTRACTOR	

### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: //-/4-22

Time	Point No. 1 Exhaust Temp.	Point No. 2 Exhaust Temp	Point No. 4 Exhaust Temp	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel- Aft	Fuel Gas Before Stop Valve	Fuel Gas After Stop Valve	Fuel Oil Supply	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
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9	507	567	507	570	511	439	1	1	1	1	445	/	/	46	1	/	1	1	27	150	64	31	53	54	67
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General Notes:	

### Sewerage and Water Board of New Orleans



#5 Turbine Log

Date: 11-15-22

														O				Date	: 11 1	0 22		
Time	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(¢)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No -	Incoming Gas Press.	Kilowatts			Reading Taken By:
2M	/	3605	04	105	134	150	110	/	132	157	158	/	174	/	40	1/4	y	184	2400			E.E. E.E. E.E.
AM		3605	65	105	134 135	156	117	/	132	158	159		174	/	40	1/4	y	184	2900			€.€.
2	/	3606	05	105	135	156 155	117	/	133	158 157 158	159 158		173	/	40	1/4	y	184	2900 2800			E.E.
3	/	3605	64	105	135	155	116	/	133	158	158	/	174	/	40	1/4	y	184	2900			E.E.
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General Notes: Stopped #5 Tuebine @ 3:58 am. Flome out @ 4:03 am. # 5 Tuebine on T.G. @ 4:19 am.

### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: //-15-22

Time	Point No.1 Exhaust Temp.	Peint No. 2 Exhaust Temp.	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Tomp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel- Aft	Fuel Gas Before Stop Valve	Fuel Gas After Stop Valve	Fuel Oil Supply	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Moter Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detactor Left	Exhaust Desector Right	66
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AM	532	532	533	535	537	449	1		/	/	466	/		67			/	/	235	151	50	21	55	56	66
7	530	533	532	535	537	446	7		/	/	465			67			/	/	23	150	56 56 55	31 31 31	53 <sup>E</sup> 54 54	56 56 55	66
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One Sowerage and Water #5 Turbi	Board of New Orleans	Date: 11-25-22	
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360 70 90 132 152 118 130 160 160	174 40 44 7	18) 1500 18) 1500	67
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General Notes: ————	
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# Sewerage and Water Board of New Orleans #5 Turbine Log

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3	521	521	521	555	527	446	/				437	1		76	1	1	1	1	23	152	60	32	54		63
4	523	523	523	557	530	445					438	-		73	-	1	/	-	23	152	60	32	54	58	4)
5	526	526	526	558	532	447	/				441	1	/	78	/	/	-	-	23	152	100	32	54	55	65
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# Sewerage and Water Board of New Orleans



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	House	Speed / Kpm	Ambient Temp.	Cil Terap fram Cooler	No.   Brg. Temp	No.2 Big Temp	No. 2 Thrust Tamp.	Ne.3 Brg. Temp.	No.4 Srg. Temp.	Piran Dig. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Prg. No.3 Temp.	Gear Brg. Thust(GT)	Great Bing. No.4 Temp	Generator Brg. Temp (C)	Oil Tark Level	On Level Di. La Anz. Orl Pump You / No.	Incoming.	Gas Press	Kilowatts				Reading Taken By:
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### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: //-26-22 Point No. 5 Exhaust Tenry Point No. Fuel Oil After Filter Hyd. Oil Motor Inlet Hyd. Oil Motor Outle 12M IAM 3 5 6 8 10 11 12N 1PM 505 505 503 508 571 454 504 503 502 507 509 452 504 504 502 500 508 453 504 504 503 505 507 452 421 68 62 31 52 55 E.E. 62 32 52 55 E.E. 151 423 09 235 152 62 68 31 E.E. 151 61 52 54 08 424 151 (01 31 53 54 9

General Notes: Started #5 TURBINE @ 2:11pm. Flame ON @ 2:15pm. Up to Speed @ 2:29pm. Load @ 2:32pm. BROKE FIELD @:32pm. Stopped #5 TURBINE @ 6:33pm. Flame out @ 6:30pm. T.G. @ 6:53pm.

12M

1PM

Speed / Rpm Ambient Temp.

### Sewerage and Water Board of New Orleans

No. 2 Thrust Temp.



Date: 12/11/22 #5 Turbine Log Kilowatts Reading Gear Brg. No.3 Temp. Taken By: ale 1/4 

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### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 12/11/22

Time	Point No.1 Exhaust Temp,	Point No. 2 Exhaust Temp.	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp,	Point No. 6 Exhaust Temp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel- Aft	Fuel Gas Before Stop Valve	Fuel Gas After Stop Valve	Fuel Oil Supply	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Extraust Detector Left	Exhaust Detector Right	
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### Sewerage and Water Board of New Orleans



#5 Turbine Log

Date: 12-14-22

Time	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Ternp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(c)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add if Needed	Incoming Gas Press.	Kilowatts	Reading Taken By:
2M	/											/		/						
AM		1																		
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PM	/		83	103	199	136	199	/		156	158	/	164	/,	40	14	1	184	5200	E. Easterling
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General Notes: Started #5 Turbine @ 8:29am. Flame on @ 8:36am. Up to Speed @ 8:50am. Load @ 8:54am.

### Sewerage and Water Board of New Orleans #5 Turbine Log

Date: 12-14-22

Тіте	Point No.1 Exhaust Temp.	Point No. 2 Exhaust Temp.	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel-Aft	Fuel Gas Before Stop Valve	Fuel Gas- After Stop Valve	Fuel Oil Supply	Fuel Oil Affer Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
2M												/			/	/	/	/							
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9	526	527	527	529	531	455	/	/	/		383	/	/	74	/		/	/	23	152	56	31	53	54	€.€.
10	525	526.	527	529	532	458		/	/	/	389	4	/	76	1	-		-	235	152	50	31	53	55	E.E.
11	526	527	528	530	531	400	/	/,	/	/	400	/	/	78	/	/	-	-	235		56	32	54	56	€.€.
2N	525	524	527	529	530	405	/		/	/	402	/	/	80	/	/	/	/	235	152	56	32	54	56	€.€.
PM	630	699	698	632	637	407	/	/	/	/	533	/	1	US	1	1	/	1	235	100		32		56	00
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6	589	588	586	589	592	-	1	/	/	1	-	-	/	XO.	/	1		/	24	155	60	32	50	501	su
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General Notes:	

## Sewerage and Water Board of New Oricans



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	Hours	Speed / Rpm:	Ambient Tenay.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Box. Jonny.	No. 2 Thrust Femp	No.3 Big. Temp.	No.4 Erg. Lemp.	Purion Bug. No.1 Temp.	Pinon Brg. No.2 Temp.	Gear Drg. No.3 Temp.	Gear Brg. Thrust(31)	Gear Brg No.4 Temp	Generalor Brg, Temp.(c)	Od. Tank Level	Off Level Of: Yes / Nu. Astril Needed	Incoming Gas Press.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			And the second	Reading Taken By:
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General Notes: Stant @6:20 pm - Flame @ 6:28 - Speed @6:57 - Load @ 6:45

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# Sewerage and Water Board of New Orleans #5 Turbine Log



Date:

-	7	-	7	-	-	-	-	-	-	-		-							Date:						
Time	Point No.1 Exhaust Temp.	Point No. 2 Exhaust Temp.	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel- Aft	Fuel Gas Before Stop Velve	Fuel Gas. After Stop Valve	Fuel Oil Supply	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp, Relay Ourlet	Exhaust Detector Left	Exhaust Detector Right	***************************************
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General Notes:		

Sewerage and Water Board of New Orleans



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-	Run Hours	Speed / Rpm	Атынат Гегар.		No.1 Brg. Temp	No.2 Erg. Temp.	lu lu		No.4 Erg. Temp	Pizion Erg. No.1 Temp.	Pinion Srg. No.2 Temp.	Gear Brg. No.3 Temp.	Thrus		Big. 1	5-1/1	In Aux	100		Ha
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#### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: Point No. 5 Exhaust Temp Hyd. Oil Motor Outle Hyd. Oil Motor Injet Fuel Oil After Filte 12M 500 500 500 500 500 (80) (180) 1AM 500 500 500 500 500 500 500 500 483 23 155 66 31 55 59 23 155 66 31 55 59 983 6 10 12N 1PM 4 8 10 General Notes: @ 1:31Am Stopped # Stubine

### Sewerage and Water Board of New Orleans



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General Noves: Start 7:55 Flave 8:05 Speed 8:15

### Sewerage and Water Board of New Orleans #5 Turbine Log



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Time	Point No.1 Exhaust Temp	Point No. 2 Exhaust Temp	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 1 1st Stage Wheel-Fwd	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel- Aft	Fuel Gas Before Stop Valve	Fuel Gas. After Stop Valve	Fuel Oil Supply	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Cutlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
12M						1	/		/			-	17		-	1	-	-	144	D <sub>4</sub>		F .			
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General Notes: Start 7:55 Flame 8:05 Spend 8:15

### Sewerage and Water Board of New Orleans



#5 Turbine Log

											110 1			8				Date	: 11/1->	
Time	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(¢)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add If/Needed	Incoming Gas Press.	Kilowatts	Reading Taken By:
2M																				
2M AM			444	e 1:3	Z		Flane	on e	1:4160											
2	/	3664	63	108	122	140	110	-	120	156	125	_	170	_	40	1/2	yer	175	4400	an LR
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General Notes:	

#### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 1/4/23 Point No. 9
1st Stage
Wheel-Fwd.
Point No. 10
1st Stage
Wheel-Fwd.
Point No. 11
1st Stage
Wheel-Fwd.
Point No. 12
1st Stage
Wheel-Fwd.
Point No. 20
2nd Stage
Wheel-Fwd.
Point No. 20
2nd Stage
Wheel-Fwd.
Fuel Gas
Before
Stop Valve
Fuel Gas
After
Stop Valve Hyd. Oil Motor inlet Fuel Oil After Filter Hyd. Oil Motor Outle Point No. 2 Exhaust Temp. 57.5 65 31 55 383 466 568 577 447 568 GJ 55 53 31 534 447 445 527 538 529 532 9 10 1PM stopped # 5 turbins @ 3:4 spin General Notes:

Sewerage and Water Board of New Orleans

#5 Tuestime Log Date: 1-17-23



	Run	Spend/ Nrm	Ambient Tenp.	Oil Temp From Cooler	No.1 Brg. Temp	No.1 Brg. Temp	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp	Pinion Brg. No.1 Temp.	Pirion Sig. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(c)	Oil Tank Level	Oil Level Oil. In Aus. Oil Pump Yes / No. Add Il Neufel	Incornug Gas Prezs	Kilowatts		Roading Taken By:
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## Sewerage and Water Board of New Orleans #5 Turbine Log

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### Sewerage and Water Board of New Orleans #5 Turbine Log



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# Sewerage and Water Board of New Orleans #5 Turbine Log Date: 1.20.23

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## Sewerage and Water Board of New Orleans #5 Turbine Log

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# Sewerage and Water Board of New Orleans



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### Sewerage and Water Board of New Orleans #5 Turbine Log



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### Sewerage and Water Board of New Orleans



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General Notes: Started #5 Turbine @ 9:25 am. Flame ON @ 9:34 am. Up to Speed @ 9:41 am. \* Test RUN for #5 Turbine to SEE where and or how many gas leaks they have on the Turbine. \* Stopped #5 Turbine @ 11:00 am. Flame out @ 11:11 am. T.G. @ 11:20 am. and or how many gas leaks they have on the Turbine. \* Stopped #5 Turbine @ 11:55 am. Stopped #5 Turbine @ 12:11pm. Flame out @ 12:15 pm. 5tarted #5 Turbine @ 11:35 am. Flame on @ 11:40 am. Up to Speed @ 11:55 am. Stopped #5 Turbine @ 12:11pm. Flame out @ 12:15 pm.

T.G. @ 12:38pm

## Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 2-1-23 Point No. 5 Exhaust Temp. Point No. Hyd. Oil Motor Outlet Fuel Oil After Filler Hyd. Oil Motor Inlet 12M IAM 4 6 459 459 459 462 464 426 343 **€.€.** 58 232 151 62 52 31 54 459 460 460 463 464 426 344 58 152 02 52 32 54 12N 463 404 465 407 468 424 395 60 €.€. 235 152 62 31 52 54 1PM 4 5 10 11 General Notes:

## Severage and Water Board of New Orleans



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General Moies: Started #5 Turbine @ 8:39am. Flame on @ 8:44 am. Up to Speed @ 8:50 am. Stopped #5 Turbine @ 9:34 am. Flame out @ 9:38 am. T.G. @ 9:54 am.

#### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 2-3-23 Point No. 2 Exhaust Temp. Hyd. Oil Motor Outlet Lube Oil Brg. Header Lube Oil Pump Disch. Point No. 4 Exhaust Ten Fuel Oil After Filter 12M IAM 6 7 451 452 451 453 456 421 343 54 235 151 63 31 52 55 E.E. 10 12N 1PM 6 10 General Notes:

# Sewerage and Water Board of New Orleans HS Tuebling Log Date: 2-8-23



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#### Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 2-8-23 Point No. 6 Exhaust Temp. Point No. Hyd. Oil Motor Outlet Fuel Oil After Filter 12M 1AM 4 10 11 12N 1PM 4 5 6 10 513 513 512 515 518 450 11 669 669 667 672 678 461 24 151 56 31 52 54 8.8, 24 152 65 31 53 55 70 General Notes: \_

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12N 1PM

#### Sewerage and Water Board of New Orleans

#5 Turbine Log Date: 2.9.23 Gear Brg. No.3 Temp. Reading Taken By: 90 134 130 3500 70 155 156 12M 172 Yes 174 6700 90 134 90 134 90 134 3600 70 1AM 130 155 156 132 116 Ves 197 1200 172 155 156 96 172 Yes 194 120 3600 72 120 155 156 172 48 194 lade 3600 72 90 136 130 116 155 156 172 194 1100 90 134 130 3600 64 158 160 158 160 172 174 120 3600 164 192 178/120 3602 62 134 130 158 110 100 40.0 172 1100 3603 63 133 128 1100 100 172 40.0 1/2 175 1000

General Notes: @ 7:10am, Central Control brone field on #5 Turbine. Stopped #5 Turbine @ 8:05 am. Flame Out @ 8:10 am.
T.G. @ 8:28 am.

# Sewerage and Water Board of New Orleans #5 Turbine Log

Time	Point No.1 Exhaust Temp.	Point No. 2 Exhaust Temp.	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 Znd Stage Wheel- Aft	Fuel Gas Before Stop Valve	Fuel Gas - After Stop Valve	Fuel Oil Supply	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor	Temp. Relay Outlet	Schaus: Detector Left	Exhaust Detector Right	H.
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#### Sewerage and Water Board of New Orleans



#5 Turbine Log

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#### Sewerage and Water Board of New Orleans #5 Turbine Log

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#5 Turbine Log



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General Notes: Started #5 Turbine @ 10:52 am. Flame @ 10:57 am. Up to Speed @ 11:10 am. Load @ 11:15 am

@ Gear Bag. Thrust reading was @ 180: Will notify Low Lift. @ 3'.39 pm Stopped @ 392 pm Flame Out, @ 4:00 pm TG

@ 4:08 GAS Closed Vent open 2x C. Butter

Sewerage and Water Board of New Orleans

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	2	way wo	86	105	135	#155	119	/	142	162		-	180	+	141	1/2	Yes		3000	
	13	100/750 100/750	81-	105	(35	<b>11</b> 155	119	/	142	162			180	1	141	1/2	45	177	3000	
1	13	150	87	105	135_	155	119	-	142	162	Mark and Commission of the Com	-	180	-	41	1/12	A CONTRACTOR OF THE PARTY OF TH	ורו	2900	any le
	THE REAL PROPERTY.	3616	3.8	105	170	160	122	/	144	162	161	+=	130	1	41.	1/2		ורו	2600	ath Will
	-	3616	77	int	116	160	122		144	162	101		180	1	41°	112	- 44	177	2600	as the
		3614	28	105	110	160	122	/	144	162	161	+=	180	17	410	112	yen	178	2600	
		3616	22	104	136	160	122	/	194	161	161	1	- 180	1	410	1/2	yer	178		could the
	1	3615	84	101	130	160	121	1	144	101	161	-	180	1	410	1/2		178	2900	as 2l
	1	3614	84	105	136	160	121	1	144	160	160		180	1	410		-	178	3400	cur 22
	1	5610	83	ios	136	160	150	1	144	160	-	1	180	1/	410	1/2		178	Z400	Db.
	THE REAL PROPERTY.	3615	83	105	136	160	120	1	AND DESCRIPTION OF THE PERSON NAMED IN	1100	-	0/	18	0/	141	11/2	Ves	. Ins	12900	
T,		3615	183	los	130	160	180	and the same	1140	1100	NAME OF TAXABLE PARTY.	Name of the last o								

General Notes:

## Sewerage and Water Board of New Orleans #5 Turbine Log



	T à	Ta	T	Tó	T	7	7-	To	T			E WOLL IN	10000 2	705			-	W.Common	Date:	4/-	3/0	23			KLE
Time	Point No.1 Exhaust Temp	Point No. 2 Exhaust Temp	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp,	Point No. 8 Comp. Dirch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel- Aft	Puel Gas Before Stop Valve	Fuel Gas - After Stop Valve	Fuel Oil	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Oulet	Lube Oil Brg. Header	Lube,Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
2M							/		1	/		1	1	1	-	1	1	-				-			
AM	í						17					1	/		1	1	1	1							
2							/	1				/	/		1	1	1	-	-						
3							1/	1				/	/		1	/	1	1							
4							//	1				/	/		/	1	/	1							
5							/	1				1	1		1	1	1	1							
6							/					/	/		7	/	/	/							
7	7					T		1			-	/	/		1	1	-	1				-			
8							/					/			1	1	-	/				-			
9		0	1	,	1		*	11-	- 1	,	4	R	R		1	-									
10			IPa	ring		1b		41	Wolf	nne	4		SA	in	7	/		1							
11			1100	1		1									1	-									- 2
2N	590	590	589	592	595	591	/	-	-1	-	502			76	1	/		6	235	155	# 1	305	53	CII	
PM	590	590	589	592	595	591	/	-	_	_	507		/	76	-				735	155	61	305	53	54 54	
2.	590	590	589	592	595	591		-		-	502	/		76	-	/	/		235	155	61	305	33	54	
3	597	597	546	600	603	474			-	_	515			3.6					53 E		61	31	53	54	
4	587	587	587	190	692	472		_	-	- 1	510			38			-		27 -	155	61	31.	53	54	
5	687	187	587	3 28	640	44		_	_		510			38	-	/			23 -	155	61	71	58	FY	
6	525	583	585	526	6 38	471	/	1	-		508		/	88	/				Z3 -	ISS	61	3)	53	sy	
7	584	584	(8)	186	589	470		-	-		508			86	/	/		-	2) 1	Iss	61	31	53	14	There is
1	526	280	586	589	542	470		1	/		510			36	/	/	/	/	21 2	ISS	61	31	57	54	
1	544	544	543	કનર્સ	601	469		/	_	-	5,2		/	85	/	/		/	27 -	155	اما	31	5 3	5 Y \	
	585	625	584	5 28	590	767				_	509		/	34	/		1		23 5	155	61	31	53	54	
1 4	285	583	582	586	589	49	/	/	/	/	507			84	-				335	155	61	31	53	54	1

General Notes:	

Sewerage and Water Board of New Orleans



de O	ree						Sew	i ug			ubin						Date:	नामात्र	3	, A.
Run Hours	Speed : Kprs	Ambient Temp.	Oil Temp rom Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 E.g. Temp.	Finen Sig. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Cear Brg. Terusi(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(c)	Oil Tank Level	4	Incoming Gas Priess.	S.I. gwatts		Roading Taken By:
		<	OF		-		-			160	1	180	1	41	B	les		320		25 06
/	365	83	108	136	Ilao	190	1	144		160		180		411	1/2	Yes		2900		100
	3615	84	105	136	160	130	1	-	160	160	1	1801	1	41	112	Yes	108	20pc		100
	13615	84	105		160	100		144	-	160		180	/	411	1/2		108			8
/	365	84		136	160	120	-	144	160	160	/	180	/	41	12			2950		100
	3615	84	105	136	160	120		-	160	160	-	180		41	1/2	18		2900		B
	3615	84	105	136	100	120	1	144	160	160	1	180		पा	172	Yes	178	3100	1	age 22
/	3615	84	105	136	lwo	190		-	1	156		וחצ		41 0	1/2	yer	זרו	3100		the ce
/	342	78	106	136	160	120	4	140	160	156		178		416	1/2	yu	זרו	2700		<del></del>
/	3615	80	105.	136	160	120	-		-	158	-	180	/	410	1/2	yes	ירו	1706	+	ate 22
/	3615	82	105	174	160	120	/	140	160	158	-	110	1	416	11-	yer	178	7700		-1
	3615	84	105	174	الدن	120	/	140	160	128	-	180	7	41°	1/2	yes	צרו	2700		1
1	3615	36	tor	174	160	120	/	142	100	158		180	7	41°	1/2	yer	178	2760		
/	3416	35	los	136	160	120	/	145	160	160	-	180	7	416	ilz	yer	in	2700		
	3615	90	145	176	No	170	/	142	160		-	130	7	410	Mz	40	178	5,000	-	ceti Elen
/	3615	90	105	136	160	120		142	160	160	-	180	1	410	ile	you	ארו	2700		de la
- Contraction	3614	90	107	136	160	120	/	3,44	160	-	-	150	17	910	112	yer	ררו	3000	+	
	3614	13	105	136	160	120	/	144	100	160	-	180	1	41"	1/4	yer	127	7160		
	7613	87	los	136	160	120	/	144	160	160	+=	180	1	41"	1/2	yer	ירו	3260		
1	3613	15	10<	176	160	120	/	144	160	160	-	180	1	416	1/2	yes	צרו	3100		-
1	3013	13	105	176	160	120	/	144	160	-	1	180	17	410	1/2	yer	178	3300		
1	3612	82	105	136	160	120	1	144	160	160	1	180	1	410	1/z	yer	ררו	3300		
1/	3611	32	14.5	136	160	120	/	142	160	160	1	121	1	416	1/2	711	ררו	4100		1
1	3666	81	105	136	tha	120	/	142	160		-	181	1	M	17/2	Tks	Inc	13400		1 10
1	3611	181	105	136	160	180	1/	142	1100	158	-	1 (9)		111		and the same of th	TOTAL CONTRACTOR			

General Notes: —

#### Sewerage and Water Board of New Orleans #5 Turbine Log



4/4/23 Date: Point No.1 xhaust Temp Point No. 5 Exhaust Temp. Point No. 8 Comp. Disch. Temp. Point No. 1 1st Stage Wheel-Fwo Hyd. Oil Motor Outlet Lube Oil Brg. Header Lube Oil Pump Disch. Hyd. Oil Motor Inlet Fuel Off Exhaust Detector Left 12M 583 583 583 155 155 31 53 54 1AM 583 583 586 583 583 587 31 53 S83 S83 583 586 Mdo Son ISS 583 583 583 580 ISS 583 582 586 ISS 582 586 ISS 23 -iss ISS 1.1 5 23 SIS 59 5 \$46 

General Notes:		

#### Sewerage and Water Board of New Orleans

#5 Turbine Log

T		1								113 1	ai vi	neL	ug				Date	e: 415/23	XI
Run	Speed/ Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(c)	Oil Tank Level	Oil Level Ok n Aux. Oil Pump Yes / No - Add If Needed	Incoming Gas Press.	Kilowatts	Reading Taken By:
M	36011	18	105	136	160	190	/	142	160	159	/	181	7	पा	1/2	Ves	Inn	3400	DB
M/	3612	18	105	1360	160	90		142	160	159		181	/	11	1/2	Yes	ררו	3300	06
/	3614	18	los	136	160	120		142	160	159	/	181	/	UI	112	18	in	3300	00
/	3614	18	105	136	160	190		147	160	159		181	/	IV	1/2	KS	m	3900	8
/	3614	83	105	136	160	130		BUI	160	159		181		41	11/2	1/62	m	3900	10
/	3614	83	105		160	120		ILA	1/00	159		181		4	12	les	177	2900	110
/	3614	83	105	1360	160	90	/	142	160	159	/	181		Tip	1/2	Ves	177	3000	175
/	3615	The second secon	105	136	159	119		142	160	160		180		पा	1/2	Yes	178	2800	SHOP
/	3615	84	105	136	159	119		142	160	160	/	180		41	1/2	Yes	178	2850	SHE
	3615	84	105	136	159	119		142	160	160	/	180		41	Ya	Yes	178	2800	SHE
/	3614	85	15	136	159	119	/	142	160	160	/	180		41	1/2	Yes	178	2900	SAR
	3614	86	105	137	159	120		142	160	160	/	180		41	1/2	Yes	178	3000	40
/	3615	86	105	137	160	120		143	160	160	/	181	/	41	1/2	Yes	178	3000	34-9
	3611	87	105	138	160	121		143	160	160	/	181		41	42	45	178	3300	stel
/	3611	87	105	139	160	121		144	160	160		181	/	91	V2	Yes	178	3300	5A-1
/	3600	87	105	139	100	121		143	100	100	/	182	/	410	1/2	ges	178	3500	E.E.
/	3613	n	105	139	160	121		143	160	160		182	/	41	1/2	Y	118	2900	63
/	7614	86	105	136	160	121		143	160	160		187		41	1/2	Y	178	1800	65
	3614	96	105	174	160	121		143	160	140		(81		41	42	4	178	2900	61
/	3614	34	105	134	140	121		143	160	160		182	/	41	42	4	173	29 00	61
/	3614	18	105	136	100	121		CYI	100	160		187		41	1/2	Y	-	2900	6-3
/	3611	86	105	134	160	121	/	147	160	160		18)	/	41	y>	Y	178	2900	63
/	3610	85	105	136	100	120		142	100	100		181		410	1/2	400	178	3500	67/E.E.
	3610	88	65	136	160	1901		142	160	160		181		411	1/2	100	PERSONAL PROPERTY.	3600	T NO

General Notes:	

#### Sewerage and Water Board of New Orleans #5 Turbine Log

415/23 Date: Lube Oil Pump Disch. Lube Oil Brg. Header Fuel Oil Supply Point No. 2 cheast Temp Hyd. ( Point No. 1st Stag Wheel-Fv Fuel After F 3 53 23 155 595 599 602 31/53 594 597 1AM 501 ISS SOI 583 SRG ISS 582 584 30S 53 579 578 305 S3 KOY 381 384 305 S3 Solo 583 582 305-12N S88 1PM 592 SIT €.€. 155 01 G 1 596 473 G1/E.E. 596 468 605 46 598 GOA

General Notes:

## Sewerage and Water Board of New Orleans #5 Turbine Log Date: 463

												u er e							Date:	7-1	1019	/			-
Time	Point No.1 Exhaust Temp.	Point No. 2 Exhaust Temp.	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp.	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel- Aft	Fuel Gas Before Stop Valve	Fuel Gas After Stop Vaive	Fuel Oil Supply	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd, Oil Motor Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
2M	600	599	578	603	608	467			/		548	/		83				$\angle$	23	185	6	30=	53	54	00
AM	589	587	580	590	593	465					509	/		83					23	ISS	61	30=	53	84	œ
2	587	580	586	590	593						508	/		83				/	23	155	(0)	305	53	34	OP.
3	586	586	586	590							500		/	83 83				/	23		61	305	53_	54	0,5
4	580	280	280	583	585	463		/			Sos			83					23	THE OWNER AND ADDRESS OF THE PERSON NAMED IN	61		53	54	(A)(A)
5	580	579	579	583	<b>5</b> 8S	407				/	504	/	/	83				/	23	155	Cal		53	57	20
6	380	280	SA	583	SSS	463					Soy	/		83					23	133	61	85	23	54	DP
7	581	580	579	582	585	403					504	/		82				/	23	155	61	305	53	54	E.E.
8	582	580	578	582	585	462					503	/	/	81			4	/	23	155	61	31	53	54	6.6
9	583	581	578	581	584	463				/	503		/	82					23	154	61	31	53	54	6.6
10	585	585		588	590	468					507	/		84					23	154	62	31	53	54	EE
11	585	586		587	589	408			/		506	/		84					23	154	02	31	53	54	66
2N	588	589	588	592	594	470	/		/		511	/		84					23	154	62	31	53	54	6.6
PM	589	589	588	591	593	471	/	/	/		511	/		84					23	154	02	30		54	€.€
2	589	589		590	592	472		/	/	1	512	/		84					23	154	62	30-	53	54	6.0
3	589	589	589	593	595	401			/	/	510	/		84				/	23	154	62		53	54	00
4	590	300	590	373	596	472				/	510	/		84					23	154	62	305	53	54	De
-	CONTRACTOR OF STREET	595	394		601	400					514			81				/	23	154	69	305	53	54	126
6	593	593	593	590	(00)	469					513	/		84				/	23	154	69	302	53	54	a
		593	592	596		469					513.			48				/	23	154	62	305	53	54	OP
8	596	596	595	599	603	4168		/	/		514	/		24				/	23	154	67	305	53	54	DP
9	587	280	586	590	592	465	/	/	/		509			84			/		23	154	62	303	53	54	NT NT
10	-	601	601	606	610	HIdo	/	/	/		518	/		84					23	154	62	30°	53	54	Ut
11	-	605	604	608	613	467	/	/	/		50	/		84					23	154	62	305	53	184	100

General Notes:	

#### Sewerage and Water Board of New Orleans

	iie O	•••								,	#5 T	urbi	ne L	og				Date		4116123	
Time	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(c)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No. Add (f. Needed	incoming Gas Press.	Kilowatts		Reading Taken By:
2M		3612		105	136	160	130		142	1100	160		181		4	1/2	Jos	18	3100		135
AM	/	3612		105	136	160	190		142	160	160		181		41	112	les	128	3100		B
2	/	3611		105	136	160	190	/	142	160	160		181		41	1/2	Ves	128	3100		$\phi$
3		3611		105	136	160	130		142	160	160		181		41	1/2	Ves	178	3100		P
4		3613		105	136	160	190		142	160	160		181		41	112	162	118	2900		18
5		3613		105	36	100	BO		142	100	100	/	181		4)	'la	182	108	DORCE		100
6		3613		105	136	100	190		142	1/00	1/00	/	181		41	1/2	Yes	108	90KX		100
7		3613	82	105	135	100	120		142	160	160		180		41	1/2	yes	178	3100		6.6.
3		3613	83	105	136	160	120	/	143	101	160	/	181	/	41	1/2	yes	178	3000		E.E.
)		3612	84	105	136	160	121		143	161	160	/	181		41	1/2	yes	178	2700		66
0	/	3614	83	105	136	158	118		143	155	160	/	180		41	1/2	yes	178	2800		66.
1	/	13609	83	105	136	158	119		143	155	100	/	180		41	1/2	yes	178	3500		66.
Ň	1	3612	83	105	135	158	119	/	143	155	100	/	180		41	1/2	yes	179	3400		6.6.
M	/	3013	84	105	136	159	119		144	155	100		180		41	1/2	yes	178	2900		EE
2	/	3614	85	105	136	159	120	/	144	155	100		180	/	41	1/2	yes	178	2900		€.€.
3	/	3613	88	las	136	159	130		144	155	160		180		41	1/2	162	108	3800		DB.
	/	3613	85	105	136	159		/	144	135	160		(80	/	41	1/9	Yes	108	2800		725
;		3611	85	105		159	130	/	144	ISS	160		180		41	1/2	Yes	178	300		Db
5	/	3611	88	105	136	59		/	144	ISS	160	/	180	/	41	1/2	Yes	178	32/00		<u> </u>
1			85	105	1360	159			144	185	1100		180		41	1/2	Yes	78	3300		DP
3		3610	85	105	136	1591	20	/	144	ISS	160	/	180	/	41	1/2	Jes	128	3900		DP
9		3612	85	105	136	159	120	/	144	155	160	/	180	/	41	1/2	162	108	3500		08
10	/	3612	85	106	136	159	130	/	144	155	160		180	/	141	12	les	498	3100		10
1	/		85	105	136	159	130		144	155	160		180	/	41	1/2	Yes	108	310		DD

General	27
1 * 0 00 00001	IN MIDES

#### Sewerage and Water Board of New Orleans



#5 Turbine Log Date: 4/1/23

				T	T	The same and	7			-								Dau		CVII		
	Run Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(c)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No Add if Needed	Incoming Gas Press.	Kilowatts			Reading Taken By:
2M	4	3618		105	136	159	130	/	144	ISS	160	/	180	/	141	1/2	Ves	178	3200			00
\M	/,	3618	85	105		159	00	/	144	ISS	160		180	/	141	1/2	Ves	178	3300			UD.
!	/	3619	85	163	134	159	190	/	144	155		/	180	/	141	1/2	Yes	178	3300		1	00
-	_	3619		ats	136	129	190	/	144	ISS	160	/	180	/	41	1/2	Yes	178	320			& &
-	/	369	85	tos	136	159	190		144	ISS	160	/	180	/	141	12	Ves	ng	3300			130
+	/	3619	85	20ti	130	159	190	/	144	ISS	100		180	/	141	1/2	Ves	178	3300			ÚP .
-		3619	85	Zos	136	The same of the same of	190	/	144	ISS	160	/	180		141	1/2	Yes	178	3900			D
-		3621	82	105	136	-	120	/	142	155	100		180		141	1/2	yes	178	3000			E.E.
+		3619	82	105	136	100	120	/	142	155	100	/	180	/	41	1/2	yes	178	3100			EE.
-		3618	81	105	130	159	121	/	142	156	100	/	180	/	41	1/2	yes	179	3200			E.E.
			80	100	137	158	120	/	143	150	100	/	180		41	1/2	yes	179	3100			66.
1		3619	78	105	136	-	116	/	139	152	158	/	178		141	1/2	yes	178	3100			E.E.
V -	-	3611	78	100	136	157	117		140	152	158		179		41	1/2	yes	178	4400			E.E.
M _	-	3616	78	100	136	157	117	/	140	152	158		179		41	1/2	yes	179	3800			E.E.
1	_	3624	78	100	137	150	120		140	152	158		179	/	41	1/2	yes	178	2500			EE.
-		3600	78	105	136	156	116	/	140		158		178		41	1/2	Yes	178	2600			1
+		3600	78	109	136	156	114	/	196	152	158	/	128		41	1/2	Ves		2800			No.
1				105	136	156	116		190	-	158		178		91	1/4	Yes	179	2900			Do
1		The second line of the least of	78	105	136	156	116		140	152	158	/	178		91	42	Ves	179	2900			The
1		-	78	105	136	(56	116	/	140	152	198	/	178	/	91	1/2	Yes	179	2500			Lu
1		3600	78	105	136	15/6	116		100	152	188	/	178		91	1/2	yes		2500			No.
1		3600	78		136	156	116	/	190	152	188	/	178	/	91	1/2	Wes	119	2600			Six
1		3600	78	105		186	116		10	153	158		178	/	RI	1/2	Yes	179	2600			The
1		3619	J8	105	i36e	156	116		140	152	12.8	/	178		41	1/2	Ves !	179	2400			NP

General Notes: \_

558 | 561 563

#### Sewerage and Water Board of New Orleans #5 Turbine Log

Date: Lube Oil Brg. Header Hyd. Oil Actor Outle Fuel Oil Die Gil Exhaust Detactor Left Hyd. Motor 588 592 588 592 Say E.E. 573 573 580 579 615 466 564 564 564 567 568 760 

General Notes: \_

# Sewerage and Water Board of New Orleans #5 Turbine Log



opes es assu						前	15 Th	TOTA	8 LO	E	Light State State Surpe	and the same and t	S 1	Date:	418100	1 1	ermon el la nobella substantagent arrechta
Run Hours Speed / Rym Ambient Temb	Oil Temp from Caoler	Temp Temp	Temp Temp	Temp. No.3 Brg.	Temp. No 4 Dig. Temp.	Pinion Big. No.1 Temp.	Pinion Brg. No.2 Terrip.	Geer Brg No.3 Temp.	Geat Brg Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Telup.(¢)	_ !	In hear Oil Purel Yes / Ne -	Incoming Gas Press.	Kilowatts		Reading Taken By:
3619 78			ااا ملا	-	140	ISQ	158	1	198		41	1/2	Ks	109	3400		DR.
3619 78	105 1			16	140		188		128		41	1/2	Yes	179	3400 3 <b>9</b> 00		DR
Control of the Contro	105	20 11	So 1		MO	152	128	1	178	-	41	1/2	Yes	100	3000		Se Se
and the same of th			56 1	16	140	152	188	/	108	4	41				2900		(10)
and a second sec				116	140	152	15.8	//	178	/	41	1/2	Voc		a500		BE BE
San Taranta and the san Ta		36 N	SG 11		140	152	158		108	-	4	1/2	Ves	100	2500		DP
3619 78			156 1	No -	140	152	158	-	108	of a marine	A STATE OF THE PARTY OF THE PAR	1/2	Yes		23:0		P
and the contract of the last o	Annual and a sign to depart and the Contract of the Contract o			116		152	128	/	178		41	1/2	Ves		3900		8
the same of the sa			156 1	and the same of th	140	152	158	/	178	1	77	1/2	Ves	1179	2900	1	DO
3616 71			Se	1110	140		158	6	108	1	7	1/2	Yes	109	2900		DP
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3616 71				1110		ISA		/	100	1	TU	1/2	Ves	ina	3000		De
3615 7		136	156	116		123	158	1	108	1	41	1/2	168	100	2000		De
3616 71		136	1Ste 1	ille	140	153	158	1	100	1	11	16	Tos		3000		No
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3600 74		136	1561	116	140	158	158	1	178	1	141	1/4		179	2900		Ho.
3600 70	Commence of Street, or other Designation of the last o	136	196			153	158	1	178	1	191	1/1	Yes	179	3000		To
3600 71		136	1561		140	1152	158	1	1178		41	1/2		1179	13000		Hop
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3600 7	6/109		156		146	150	158	1	178		141	11/2		179	300		- July
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3600 7	8 109		-	116	196			1	1/78		101	-	Yes	1179	13100		- Je
3 levo 7	105		MANAGEMENT STREET, CO.		100		Married School Section 1977	1	178		141	1/0		179	2800	Dealers, Total Co.	1
3600 7	8/105	136	156	116	/19	0 158	111	V	11 10		+1						

General Notes: -

## Sewerage and Water Board of New Orleans #5 Turbine Log



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Point No.1 Exhaust Temp	Paint No. 2 Exhaust Temp	Point No. 4 Exhaust Temp	Point No. 5 Exhaust Temp	Point No. 6 Exhaust Temp	Point No. 8 Comp. Disch. Temp	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel- Aft	Fuel Gas Before Stop Valve	Fuel Gas . After Stop Vaive	Fuel Oil Supply	uel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil fotor Outlet	Lube Oil 3rg. Header	A STATE OF THE PARTY OF THE PAR	1	emp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
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574	375	575	578	581	458		/	-	/		/	/		1	1		-						-	00
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General Notes: \_\_

Dale: 4-8-53

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General Notes: --

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Tine	Point No. 1 Exhaust Temp.	Point No. 2 Exhaust Temp	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp.	Point No. 8 Comp. Disch. Tomp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd	Point No. 1 1st Stage Wheel-Fwd	Point No. 12 1st Stage Wheel-Pand			Fuel Gas After Stop Valve	Fuel Oil Supply	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
12M	558	299	558	561	569	1155		/	/	1	(193	/	1/	78	7	7	/	7	22	152			63	55	No
IAM	552	1950	4 556	1561	156	1955					4193		1	78	1	1		1			64	31	53		No
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1 3	55	1,550	1695	1550	649	1668	1				494		1	78	/	/		-	22	150	64	3	00	55	- KD
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5	897	697	6A7	550	350	448					189	/	1	Owner, Street,	/	-		/	39		64	31	53	SS	Te
6	547	547	597	550	1650	DAY	/	3			180	5	/	78	/	/	/	/	29		64		53	55	The
7		PROPERTY CHICAGO CONTRACTOR			547		/	AND THE REAL PROPERTY.	MATERICAL PRODUCTION	-			-		/	-		/_	33	162	64	3)	53	55	E.E.
	549	549	548	552	554	448			-/		480		/	78	/	/	/	/	225		63	31	53	55	8.8.
	548	548	547	550	552	UUn			-	1	483		-	78			/	/	23	152	64		53	55	E.E.
-	550	550	549	553	555	11110			-	-	483	-	/	79	4	/	/		23	153	64	31	53	55	E.E.
-				5511	556	1150		//	/	/	484	A STATE OF THE PARTY OF THE PAR	/	79	/		_		23	153	04	31	53	55	€.€.
Name and Address of the Owner, where	551	551	550	6511	556	450		/		/	485	The second second	/	79	4				23	152	04	31	53	54	E.E.
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2	555	5511	550	550	560	451		1	/	/	487		/	78		/	/	/	23	153		31	53	55	€.€.
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2000.00	al Nat	on.									a college money	Wines reconsider	PROPERTY OF THE PARTY OF THE PA	No the second name of the second	Larrer market				231	1351	64	36	53	127	The

General Notes:

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	Seminage and Males Energy of High Origin.	Delc. 4-10-23	(3/2)
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(09)	8 138 154 158 138 41 12	The second secon	

Ganeral Notest -

#5 Turbine For

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5	5-19	549	610	554	1001	481					483	/	/	70	/	/			22	152		32	52	55	La
6	249	540	549	554	200	947	/				483	-		68	/	/	/		ad	152	64	32	52	55	Ne
7	554	554	552	557	500	449		A AMPRICATION OF SAME			483			68	/_		-	/	22	152	64		62	85	So Se Se Se Se Se Se Se Se Se Se Se Se Se
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-	561	500	559	503		453				-	490	/		68	/	/			23	153	64	32	53	54	8.8.
			502		The state of the s	456			/	/	THE RESERVE THE PERSON NAMED IN COLUMN		/	69	/	/		/	23	153	64	32	53	54	E.E. E.E.
	568	508	500	571	573	459				/	492	-	//	69	/	/	1	/	23	153	64	32	525	54	E.E.
		508	507	571	573	459			1	/	496	-		70	(	/			23	153	64	32	53	54	E.E.
				575						1	499			70	-	4	/	/	23	153	04	32	53		E.E.
3 8	72 19	672	671	679	572	460					199			THE RESIDENCE OF THE PERSONS ASSESSMENT		-		-	23	153	mercan commendation	32	53	54	E.E.
4 5	70 K	570	569	575	577	762						-		72	/	4	/	/	23	153	64		53		Ty
5 6	70 /	570	669	673	575	60</td <td></td> <td></td> <td></td> <td><math>\neg \uparrow</math></td> <td>&lt;199 &lt;199</td> <td></td> <td></td> <td>78</td> <td>-</td> <td>/</td> <td>/</td> <td></td> <td>23</td> <td>153</td> <td>64</td> <td>32</td> <td>63</td> <td>55</td> <td>do</td>				$\neg \uparrow$	<199 <199			78	-	/	/		23	153	64	32	63	55	do
6 15	70 8	570	5691	573	579	460	/				199				1	1		/	23		64	32	63	55	No.
715	67 8	570	5691	673	572	467					196			78					23	193	64	32	53	195	do
8 5	67 C	67	566	570	572	457	/				496			78	/			/	23		64		53	55	My
9 5	64 5		569		570						195						-		23	153	64		53	55	My
10 60	4 5	66	5648	568	570	-	/				195	1		78	-				23	153	64	32	53	55	No
						454					190			78	-				23	153				55	(c.0)
								The state of the s	-	Name of Street, or other Designation of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, w	Marine and Street, Str	the second state of the			aleman .	-			Z3	Iss	64	32	53	55	(c. 0)

General Notes:

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#### Sewerage and Water Board of New Orleans

#5 Turbine Log

T	T	T	T	T	T	1				77.3 1	uron	neL	og				Date	: 4-11-53		VIZ
Run Hours	, v.	Ambient Temp.	Oil Temp From Cooler	No. 1 Brg. Ternp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(c)	Oil Tank Level	Oil Level Ok In Aux, Oil Pump Yes / No - Add Jf Negded	Incoming Gas Press.	Kilowatts	Readi Taken	
M	3617	72	106	134	158	118	/	138	154	15.3	/	178	/	°41	Ilz	ya	178	2800	cett 280	
1	3617	72	106	136	158	118	/	135	154	158		ורו	/	041	1/2	74	เา8	2800	ay ex	_
1	3617	11	106	176	128	116	/	138	152	128	/	176	/	41	42	yer	ורו	2800	att ch	****
1	3617	70	ich	176	156	116	/	178	152	160		inc	/	°41	1/2	yer	122	2200	clife klin	
1	3617	70	166	136	156	116	/	138	151	160		176		641	42	Jul .	ורו	2866	age is	_
1	3617	69	166	136	156	116	/	138	150	160	/	176		٠٩١	1/2	711	173	2800	cash well	
	3618	68	166	136	156	116		132	150	159		176		41	1/2	ya	וחו	2600	citi 12.80	
	368	89	106	1360	156	110		138	120	188	/	176		41	112	Yes	199	3000	26	MINERAL SECTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSO
	366	89	100	1360	186	11/0		138	150	159	/	176		41	11/2	Ves	ALC: UNITED BY	3800	100	
/	3616	68	100	136	1560	116	/	138	150	159	/	176	/	41	1/2	Ves	177	3800	126	
	3616		100	186	186	ell	/	138	150	159	/	176	/	41	1/12	Yes	177	2900	138	
	3615		100		156	1110	/	138	120	159	/	176	/	11	1/2	Yes	177	3000		
	3615		106	136	158	116	/	140	180	159	/	176	/	4	117	Yes	108	3000	100	
	3615			136			/	140		P21		108	/	346	1/2	Yes	118	3000	106	
	3600	27	106	136	158			140	150	153	/	176		41	1/2	Yes	128	3000	DB	
	3600	18	106	136			/	190	165	160	/	178		4/1	1/2	Key	179	3000	Ne	
_	3600		106	A STATE OF THE STA	158	116		190	165	160		178	/	91	1/2	yes	179	3100	- No	
	3600	68	106	-	ISK	116			185	160		178	/	41	1/2	Yes	179	3100	The state of the s	
	3600	60	106	136	100	116	-	190	ISS	160	/	178	/	91	1/2	Yes	179	3100 3400	1 No	
-	3600	68	10%					40		160		178	/	41	112	Ves	179	3400	Ng	
	3600	70	106	136	188			MA	221	160	/	178		41.	1/2	Yes	179	3900	No	
1	3600	70	106	136	- 71		7	146	155	160	-	178	/	41	1/2	Ves		4100	Neg	
	3616	10	106	136	156	116		140	188	160		178		4L	1/2	Yes		9100	y y	READY STREET HE SHOW THE
-			-	,,,	176	(10		140	1,,	160		178		41	1/2	See	זרו	3000	cett ee	-

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ue:	rera	IA	01	25:

# Sewerage and Water Board of New Orleans #5 Turbine Log



Date: 4-11-23

											1100 4			0			-	-	-	-	1	> 1			
Thur	nt No J	or No. 2 an Temp	or No. 4 uos Temp.	Point No. 5 schaust femp	nt No. 6	nat No. 8 mp. Disch. Pemp.	Peint No 9 1st Stage Wheel-Fwd.	et No. 10 st Stage necl-Fwd	Point No. 11 1st Stage Wheel-I wd.	Point No. 12 1st Stage Wheel-Fwd.	Fornt No. 20 2nd Stage Wheel- A ft	Faei Gas Before Stop Valve	Fuel Gas Arror Stop Velve	Fuel Oil Supply	ser Oil After Step Valve	Fuel Oil. After Filter	Hyd. Oil Motor Infer	Hyd. Oill Motor Outlet	Lube Oil Brg, Header	Luhe Oil Yump Disch	Compressor	Temp. Relation	Exhaust Detretor Left	Extrausi Detector Engin	and the first that
	Four Extra	Pen	Point Extrans	Para	Parnt	Point Comp The	P - P	Point 1 N	O W	of B	200		"	71	-	-	-	-	23	155	64	32	53	51	a le
12M	556	557	556	5 54	461	454	/,		/	/	484	-/-	/	76	-	1	1		23	155	64	32	57	55	a 14
1AM	658	558	557	561	(6)	455	/		/_	/	410		1	76	-		1	1	2.3	Iss	64	32	<b>63</b>	55	and
2	557	557	556	560	(62	454	/	/	/	/	450	/	1	76	-	1	17		23	155	64	32	53	SE	cur ed
3	156	5 56	5 65	559	561	453	/	/	/	/	484	/	1	75	-	-	1	1	23	155	64	32	53	55	a 42
Δ	555	555	554	458	160	452	/		/		488		1	75	-	1	1	1	23	155	64	32	57	5 5	all
5	552	152	155	545	(57	451			/	/	486	/	1	75	1	1	1	/	23	152	64	32	57	51	- 4
6	548	542	548	551	557	450					185		1	-	1	1	1	1	23	ISS	64	32	53	SS	<b>0</b> 6
7	557	SSI	556	500	562	453					489		1	75	1	1	1	1	23	155	64	32	53	55	DB
8	557	557	1556	560	662	454				/	491		1	48	the same	1	17		23	ISS	64	32	53	55	06
9	561	561	560	564	566	456					493		-		1	1	1	17	23	ISS	64	32	53	SS	Dis
10	561	561	561	1565	567	486	1	//	/		1493		1	75	10	1	17	17	23	ISS		132	53	55	85 06
11	563	1303	562	567	269	457		/	1	1	403		1	178	17	17	17	17	23	155	64	132	153	SS	do _
12N	500	Ex	Sha	572	STE	460	/	/		/	497		1	138	17	17	1/	17	23	ISS	64	32	53	SS	08
1PM	11500	500	1569	1573	575	19401	/	1	1	1	H0.		1	79		1	17	17	23		64	32		SS	100
2	5	510	1200	13,19	12.D	) The	1/	1	-	1	AND DESCRIPTION OF THE PERSON NAMED IN	STATE OF THE PERSON NAMED IN	1			17			23	155	69	32	53		Vig-
3	570	570	1569	1572	575	460		/	/	/	79		1	78	1	17	1/	17	23	155	69	3	53	155	19
4	568	568	56	670	573	F158		/	/	1	19		1	78	1	1/	1/	1/	23	1155	169	32	63	155	Mg
5	1568	568	5 56	757	1575	5458	/	/	1	/	1/4		1	78		1	1/	1/	23	155	6	130	453	55	10
6	568	66	8 56	2 570	573	3758	5	/	/	1	48		1	78		17		1/	23	1155		-	453		No.
7	581	p 58	658	95T	0 541	45	1/	/	/	/	48		1	78		1	1/	1	23	155	6	-			
8	581					045	1/		1	1	-		1	78		17	1	1/	23	1188	6		THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN		10,
9	591	1591	58	1593	598		/	/	/	/	51	0	1	71		1	1	1	23	159	) Ce 4	-			a W
10	591	59	158	993				/	/	1	101	-	1	רר		1	1	17	23	155	64	31	53	122	- L
11	1 565	56	5 56	1 568	1571	458	1	1/				0					and the second	A CONTRACTOR OF THE PARTY OF TH							

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General Notes:	
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#### Sewerage and Water Board of New Orleans



#5 Turbing Log

	T	T	T						_	$\pi J I$	eri vi	126 14	og_				Date	4-12-23		XIX
Run Hours	Speed/ Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp	Gear Brg. Thrust(31)	Gear Brg. No.4 Temp	Generator Brg, Temp.(c)	Oil Tank Level	Off Level Gk in Aux. Off Pomp Yes / No - Add ([Needed	Incoming Gas Press.	Kilowatts		Reading Taken By:
M	3616	70	106	176	156	116		140	153	160	/	ררו	/	14.	1/2	yes	זרו	3666	do	Kla
M	3616	70	los	136	156	116	/	140	153	160		ררו	/	14.	42	44	178	3000	capi	CR.
/	5616	72	lois	136	156	116	/	140	153	160		ררו	/	641	1/2	yes	ירו	3900	att	22.
1	3617	73	106	136	156	116	/	140	123	160		176	/	*41	1/2	yn	ורו	3000	ap	
1	3616	73	tou	134	150	116		140	167	166		12.5	/	41	1/4	24	Ine	7000	cub	AR
/	7010	נר	106	130	156	116		140	157	160	/	174	/	.41	42	44	178	7400	- Lef	L RR.
/	3618	72	106	130	156	116		140	153	leo	/	176	/	°41	42	ya	177	2100	case	u
1	360	15	100	136	156	116		140	153	160		176	/	41	112	Yes	178	3900	100	)
1	3617	72	106	136	156	116		140	153	160		176	/	11	1/2	Yes	199	2860	100	
/	3618	13	106			116		140	153	160	/	176	/	41	The	Yes		300C	1 76	)
/	3617	13	100		ISlo	116		140	153	160		176		41	1/2	Ves	רח	3800	10	
1	3617	J9				1110		140		160		176		11	1/2	les	178	3850	136	)
	3612	J9	100	PARTICIPATION OF THE PARTICIPA	156	116	/	140	153	160		176	/	11	1/2	les	178	3600	100	
1	130U		106		156	116		140			/	76		41	11/2	Ves	178	3600	N. P.	
1	3614	33	100	Committee of the local division in the local	156	1110		140		160		00	/	41	112	Ves	178	3200	100	
1	2000	72	106	136	156			190	153			176		71	1/2	Ves		2700	Ng	WINDLESS & COURSE CONTRACTOR OF SECOND
1	3600		106	136	186	116	/	190	153	160	/	176	/	11	1/2	Ves	178	2700	1 de	
-	3600	つよ	106	136	186	116		180	153	160		176	/	41	1/4	√es	178	3000	Hay	_
-	3600		10%	136	156	116	/	190	153	160	/	176	/	41	1/2	yes		3100	Se	_
1	3600		106	136	156	114	-	190	153	160		176	/	41	1/2	Yes	178	3100	A	-
-	3600		106	136		116		190	193	160	/	176		91	1/2	tes	178	3200	Su Su	-
1	3600		106	136	156	166	-	146	153	160		174	/	91	1/2		178	3200	I I	
1	8600	STATE OF THE PARTY	106	136	156	116		190	183	160		176	/	TL	1/2	1/cs	178	8900	L	_
	3615	70	100	136	156	116		140	153	158		176	/	40	4/2	yes	ררו	3300	ati	Delin

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# E 33	27131	Notes:
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### Sewerage and Water Board of New Orleans



4-12-23

#5 Turbine Log

Time	aust too t	me Ho. 2 men Temp	anst Temp	saist fomb.	Point No. 6 Echanist Temp.	Point No. 8 Comp. Disch. Temp	Point No. 9 1st Siage Wheel-Fwd.	ant No. 19 1st Stage best-Fwd	oin; No. 11 1st Stage Areel-Fwd.	Point No. 12 1st Stage Wheel-Fwd	Point No. 20 2nd Stage Wheel-Aff	Puel Gas Before Stop Valvo	Fruct Ons After Stop Välve	Loop.	Fiel Oil Afte Stop Valve	After Filte	liyd Oil Motor lale	Hyd Oil Metor Outi	Lube Oil Brg, Head-	Lube Oil Pump Disci	Compression	Temp. Rel Outlet	Extraunt Distorbat Left	Deedso Deedso Riga	
	24	2 2	F P	44	2.0		6 3	ă 6	6 5		999	-	7	77		7			23	155	64	31	53	55	a le
2M	465	165	563	567	569	457	/_				444		1	77	1				23	155	64	31	23	\$r	a 44
AM	563	(63	162	565	8012	416	/	/	-			-	1	77				/	23	155	64	31	53	55	a (le
2	562	562	561	564	567	455	/	/			443	-	1	יר	1		7		23	122	64	31	23	\$ 2	a he
3	564	164	5 63	566	164	457	/_,	/			444		1	ור	1		7	7	23	155	64	71	57	41	a 4
4	562	142	561	564	167	455	/	/		-	492	-	1	77	1	1		1	27	155	64	71	47	55	ah
5	Steo	5 60	559	162	565	454				-	441	-	1	77	1	7	1	17	23	155	64	31	43	55	a U
6	154	5 54	5 53	ودام	5 56	451				adamentary	487		1	774	1	1	a phonomer	1	23	ISS	64	31	53	55	DB
7	555	555	1554	557	560			/			488	-	1	20	//	17	17	17	23	ISS	64	131	53	55	DB
8	555	555	554	\$32	560						480		1	Tou	1	1	1	1	123	ISS	64	31	53	55_	DB
9	556			559	501	454	/	/			488		1	ny		17		17	123	ISS	ay	131	53	SS	Db-
10	557	555	1555	559	1561	450		1			1480		1	174	17	17	17	1	123	155	64	31	53	55	D6
11	560	560	559	563	564	456		1		1	490	-	1	174	1	17	17	1	123	ISS	64	31	53		DP
12N	508		Sno	221	1584	1450			1		50		+	174	1	17	17	1	123	ISS		31	53	SS	DP
1PM	1582		50	584	588	460		1		/	50		16	174	1	17	17	1/	123	155	64	31	53	-	OP
2	57	ST	560	ST	158	1450	1		1	1	491		1	76	1	1		1	23	155	68	32			Va .
3	558	559	558	561	563	3 75	2	/		1	_	Andrews - Indiana - Control of the C	1	76		17	17	1	123	1195	69			55	1
4	569	659	558	561	863	19	1/	1	1	1	49		+	78		17	17	1	23		6	132	59	155	No
5	564	15/04	1963	56	01510	HA	0	1	1	1	19		/	120	1	17	1	1/	23	155	(0	130		55	No
6	564	1 56	6 565	566	57	0 150	0	/	1	1	419		1	74		1	1	1	23		69	30		10	1
7	56	7 560	6 865	569	678	2750	0	/	/	1	A		/	76		1	1	1/	23	155	6			SS	to
8	567	156	6665	56°	1970	246	0/		1	1	49	1	1	76		1	1	1	23		6				to
9	56	7/56	6 56	5 56	9 57	a 45		/	/	/	45					1	1	1	23			73	Marian Street, Square	55	the
10	56			5 86	957	278		1/	/	/	4190		1	76		1	1	17	23	STREET, SQUARE,  THE OWNER WHEN		53	22	a a	
11	567		1 561					1/	/	/	714			16	1		-		me do		-				

General Notes:

#### Sewerage and Water Board of New Orleans



#5 Turbine Log

4-13-23 Date: Oil Temp rom Cooks No.2 Brg. Temp. Speed / No.1 Brg. Temp No. 2 Three Temp. No.3 Brg. Temp. No.4 Brg. Temp. Cear Brg. No.4 Tem Oil Tank Level Reading Taken By: 12M MIA 1/2 att er IAM 1/2 chit er 1/2 yes we MA att 1/2 ye 2.12 1/2 es\_ yer 2 900 dite isc ררו LiBer catt ISO Yes NIA ano INO AIN Yes Dicters AN DISTERS 177 3800 DREES ks HETERS 13617/10 Ves 1PM 366 70 MH 178 3000 ISLe ISO NIA 178 3000 N/A 1/2 yes 178 3000 E. Easterling 155 116 N/A 1/2 E. Easterling yes 155 117 NA 1/2 yes yes NA 1/2 E Easterling 138 151 1/2 N/A yes 178 3000 E. Easterling 106 135 1/2 NIA yes E. Easterling 178 3200 E. Easterling NIA yes 178 3400 N/A 1/2 yes E. Easterling 

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#### Sewerage and Water Board of New Orleans #5 Turbine Log



There	aust Deut	ansi Temp	Pout No. 4 xhatru 16mp.	past No. 5 mass Temp.	Poent No. 6 khaus: Temp	Point No % Comp Distil. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Na Stage	Isi Stage Wheel-Fwd.	Point No. 16 181 Stage Wheel-Ewd.	Foun No 20 2nd Stage Wheel- Aff	Stop Valve	Fuel Gas - After Stop Valve	Free Oil	Fuel Oil After Stop Valve	Fael Oil After Pitter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg, Header	Lube Oil Fump Disch	Compressor	Temp. Rela Outlet		Scharch Secretion Right	The state of the s
	2,2	Point Exhaus	A to	Perio Edua	G1	-	2 5	ă. 3 (	- 7	-	443			76	7	/			23	155	64	31	23	\$5	
12M	564	564	562	565	569	453	-	4	$\leftarrow$		445			75	1				23	155	64	31	53	55	a de
AM	575	575	נ אם	576		4 23	4	1	4		447		1	74					27	153	64	31	63		net
2	569	\$ 69	5 67	171	576	452	//	4	4		49.2		1	74		/		/	23	155	64	31	23	55	a de
3	560	\$ locu	5 48	5 62	665	451	/	4	$\leftarrow \downarrow$		490			79	1		/		23	155	64	31	6.5	\$ 5	
4	5 57	157	566	5 60	162	451	/	-			486	-	1	74	1	1	1		23	155	64	31	53	51	wa
5	5 50	\$ 50	3 49	5 63	5 45	4 49			-		487		1	74		/			23	155	64	31	53	SS	AND DESCRIPTION OF THE PARTY OF THE PARTY.
6	554	154	552	5 56	3 58	451	-	()			483			74		1	/	/	23	155	64	31	5:3		DB
7	5-16	546	545	548	251	450	/			-	487		/	74	1	1	7		23	ISS	64	131	53	22	\$
8	554	1554	553	227		461	1		//	-	1180	-	17	174	1	/	1/		123	155	164	31	53	SS	
9	557	55	555	559	2009	463	/		/	-	486	-	1	74	7	1		1	123	155	64		53		8
10	551	SSI	350		SSS	453	/	/		-	485	-	1	74	7	1		/	123	ISS	Coc	31	53	SS	\$
11	550	550	549	-	554	453	/			/	491	-	1	74	17	1		1	123	ISS	64	31	53	SS	00
12N	560	500	228	269	565			(			493		1	74	17	1	1/		123	155		31	53	SS	000
1PM	562	562		-	A Company of the Party of the P			1		-	494		1	nd	1	1	1/	1/	123	155	GU	Name and Address of the Owner, where	53	55	9
2	564		ALLO MERCHANISM CONTRACTOR	THE REAL PROPERTY OF THE PERSON NAMED IN	569		THE RESERVE THE PERSON NAMED IN		/		494		1	74	1	1		1/	123	155	-	31	53	55	6.6.
3	504	563		505	THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OWNER OF THE OWNER OWN	459		1	-	/	496	-	1	74	1	1		1/	123	155		31	53		E.E.
4	566	566	565		AND DESCRIPTION OF THE PERSON NAMED IN	459	-	1	/	1	496	-	17	74	1	17	1	1/	23	155	-		53	55	6.8
5	568	568	1564	570	572	460	-	1	1		498		17	75	1	17	1/	1	23				54	55	EE
6	568	568	507	571	572	460		1	1	1	497	-	1	74	1	1	1	1/	23	155		31	54	_	
7	567	567	565	-	572		-	1	1	1	496	The second second second second	1	74	17	1	1/	1	23	150		-		55	6.6
8	560	The second second	The same of the same of	568		458		1	-	1	499		1	74	1	17	1/	1/	23				54	The second second second	6.6
9	509	569		-	574	-		/	/	1	492		+	74	17	1	1	1	23	155	5 63	3 31	54		68.
10	561	501	559	563	566	45	5/	/	1	1	484	-	1	74	1	1	17	1/	23	155	64	31	54	55	acr
111	5 43	1 54	8 5	5 50	6 67	451	1/	1/	1/	1/	1 487	-	- Annual Contract		1	-		-	- LINE CONTRACTOR CONTRACTOR						

7 - I Notes	
ARPREFULIVOICES.	

#### Sewerage and Water Board of New Orleans



#5 Turbine Log

			1			_					#3 1	urbi	ne L	og				Date	4-14-52	VI S
Lime	Rem Flours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Brg. Temp	No.2 Brg, Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No 4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thruss(3T)	Gear Brg No.4 Temp	Generator Brg. Tomp.(c)	Oil Tank Level	Oil Level Ok n Aux, Oil Pump Yes / No -	Incoming Gas Press.	Kilowatts	Reading Taken By:
12M	$\angle$	3619	70	100	136	156	111		138	151	156	/	174	/	MA	1/2	yer	ארו	2700	cute se
AM	/,	3619	70	los	176	156	(16	/	138	151	156		174	/	MA	42	yes	178	2700	clot at
2	4	3619	70	100	136	156	116	/	138	151	156	/	171	/	MA	1/4	yer	ורו	2760	de es
3	-	3619	76	106	136	156	116	/	136	150	155		ודרו		44	42	yu	ורו	2764	CLER KILL
4	/	3619	70	los	176	156	ille	/	136	150	155		ווץ		MA	1/2	yer	178	2700	det ce
5	_	3618	70	106	136	156	116		136	150	155		וחץ	/	MA	1/z	y.	וחצ	2864	chips was
6		3616	70	106	136	156	lic		174	150	122	/	וארו		MA	42	zer	ררו	7003	cliff Riber
1		3616	20	106	COLUMN TO SECTION ASSESSMENT	150	1116	/	136	150	155	/	174		N/A	1/2	Yes	ררו	3000	<i>D6</i> :
3		Kello	20	100		120	1110	/_	136	150	155		174	/	AM	1/2	les	177	3000	DB
)		3610	20	100		156	116		136		ISS		174		NA	, A.	1/25	199	3800	I WE
0		3610		100		106	116		136	ISO	ISS	/	174		NIA	1/2	183	190	380	1 76
NI NI		3616		100		120			136	150	ISS	/	174	/	NA	1/2	les	5	3000	T TP
N -		3619	B. C.	100	1300	156		4	136	180	ISS		174	/	AIL	13	Yes	178	3600	100
M		3619	70	100		156		/	136	150	ISS	/	174	/	NA	12	Yes	128	2600	
		3630	70	901		156	116		136	ISO	ISS	/	174	/	Alu	1/2	Yes	128	2600	126
		3621	74 74	100	130	150	117	-	130	150	155	/	174	/	NA	1/2	yes	178	2000	€.€.
		3620	73	100	135	155 155	110		130	150	155	/	174	/	N/A	1/2	yes	178	2000	E.E.
		36/8	73	100	THE RESERVE OF THE PERSON NAMED IN		A STATE OF THE PARTY OF THE PAR		136	150	155	/	174	/	NA	1/2	yes	178	2700	66
		3617	73	100	135	155	116	-	135	-	155		173	/	N/A	1/2	yes		2900	E.E.
3		3015	72	100	130	150	-	/	136	151	156	THE RESERVE AND ADDRESS OF THE PARTY.	174	/	N/A	1/2	yes	178	3100	€.€.
		3010	72	106	135	STREET, SQUARE,  116	-	135	150	155		173	/	NA	1/2	yes	178	3300	EE	
0		3010	70	100	135	155 154	116	-	135	150	155		173	/,	NA	1/2	yes	178	3400	€.€
1		3600	To discount in the last	-	136	NAME OF TAXABLE PARTY.	116		OTTO COMPANY AND ADDRESS OF	and the same of th	155	-	174	/,	NA	1/2	yes		3300	EE
1		LU SE	10	106	130	156	116		135	150	166		174		NA	1/2	Yes !	178	3100	No

-	70 W	
General	Notes:	

## Sewerage and Water Board of New Orleans #5 Turbine Log Date: 4-14-23



											1100 2	L BOS WA		-0					MANUAL PROPERTY.	A CHARLES THE PARTY OF	MARKET STREET	-	-	-	
Tune	trito.1	us No. 2 ust Temp.	re: No. 4 mst Temp.	Point No. 3 Exhaust Tempo	art No. 6 uss. Temp	Peint No & Comp. Dusch. Cemp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Pwd	Forst No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Fwd.	Point No. 20 2nd Stage Wheel-Aft	Puel Gas Before Stop Valve	Fuel Gas After Stop Valve	Fuel Oil Supply	Step Valve	Fuel Oil After Filter	Hyd Oil Niotor litle	Hyd Oil Motor Outlet	Lube Oil Brg, Header	Lube Oil Pump Disch.	Compressor	Temp. Relay Oatlet	Enlayer Describe Left	Extraus: Ferrecor Eught	
	E 2	Point	Pears	Exha	Pourt Exhans	43	8-3	8-8	8 ×	E B	1				4	7	-/		23	155	64	31	54	55	a be
2M	547	5 47	, 46	1 49	152	449			/	1	483	-/-	/	74	-	-	-	1	23	165	64	31	54	55	an he
M	546	546	545	548	551	449			/	/	48 3	4	1	74	-		-	1	23	155	64	31	54	55	a le
2	548	548	147	550	553	450		/	/	/	483		1	74	-	1	-	1	23	155	64	31	54	55	a le
3	547	547	546	549	562	450		/			482		4	79	-	-	-	//	23	155	64	31	54	55	a 44
4	5 49	549	548	5 51	555	452	/	/	/	/	483		4	74	-	/	1	1	43	155	64	31	54	55	a 4
5	544	549	548	511	553	452		/	/		484		1	74		-	1	1	23	15.5	63	31	54	5.5	a le
6	553	557	551	555	558	444					486		-	24	-	-	-	17	23	iss	63	31	54	SS	D.P.
7	551	1551	550	550	354	449			/		148		4	77	1	1	1	1	23	155	63	31	54	SS	O.P.
8	556	SSS	1554	155	1560	1700	/		1/		480		1	12	1	1	1	1	23	ISS		The state of the s	54	SS	りた
	589	Commence of the last of the la	1586	1590	594	463					50		1	27			1	17	23		63	18	54	55	DP
10		989		588	593	403	1/				So		1	170	1	1		1	23		63	31	54	155	B
11	573		STI	55		462		/			50		1	1	1	1	1	17	33		63	31	54	55	DP
2N			Day	56	569	1462					490	2/	1	7	1	1	1	17	a3	155			154	155	10
PM	-	-	569	STA	51	5 467	/	/			199		1	774	1	17	1	17	23	155	63	31	SM	SS	De
2	502	502	100 -	574	157	0 460			/	/	150		1	74	1	1		1	23	155	03	31	54	55	6.6
3	573	573	572	575					/	1	50:		+	74	+	17	1	17	123	155	64		54	55	€.€
4	573	573		574	THE RESERVE THE PERSON NAMED IN		and the same of th	/	1	1	50.		+	74	1	1	1	17	23	154	164	31	54		
5	575	574	572	Carried annual section in the last	-	THE RESERVE TO STATE OF THE PARTY.		/			503		+	173	1	1	1	1/	23	155	04		54		8.6
6	575	574	1 573	Marine Marine Marine Marine				/	1/	1	50		+	73			1	17	123	155	04		54	and the same of th	6.6
7	1579	579	577		-		THE REAL PROPERTY.	1	/	/	50		1	73		1	17	1/	123	155	104		54		-
8	579	579	577	-	-	3 46.		1	/	1	50	-	1	73		17	1	17	23		5 03		THE RESIDENCE PROPERTY.	55	
9	577	576	ASSESSMENT OF THE PARTY OF THE		THE RESERVE OF THE PERSON NAMED IN		-	/	/	/	50	The second second second	/	72		1	1	1	123	-				COLUMN TWO IS NOT THE OWNER.	
10	575			1 577	7 580	0 40		/	/	/	50		1	73		1	1	17	23	158		3 3	34	55	Jo
11	1570	5 570	568	5 572	2157	5A58	5/	1/	1	1	47	2		110			-								

General Notes:

Day 4-15-23 Reading Taken By Fam. Spending Spendin NA 1/2 Yes 18 3100 M/A 1/2 Yes 178 3100 M/A 1/2 Yes 178 3000 M/A 1/2 Yes 178 3000 N/A 1/2 Yes 178 2700 N/A 1/2 Yes 178 2700 N/A 1/2 Yes 178 200 N/A 1/2 Yes 178 200 N/A 1/2 Yes 178 200 156 1/2 reg 178 3100 1/d yeg 178 3000 136 198 3600 70 106 136 156 116 12M 156 136 150 3600 72 (06 136 156 116 3600 72 106 136 156 116 MAL 156/ 136 156 174 136 150 156 3600 72 100 134 156 114 174 186 136 150 3600 72 106 136 154 116 1/d /05 /78 2000 1/d Yes 178 3300 134 150 186 3600 72 106 136 134 134 116 174 136 150 156 3600 72 106 136 156 116 174 136 150 190 Yes 1-8 3300 150 ISW INO 3613 136 150 150 174 106 pa 1800 150 110 Jes 1 18 13400 3613 72 B6 50 156 194 Ves 18 3400 100 136 156 116 3613 72 174 0 136 150 ISVE 106 B 156 116 Ves 178 3400 3613 72 174 117 B6 150 156 100 Blo 156 116 18 178 3800 3613 72 174 150 156 Yes 178 3500 Ble 136 156 116 3010 72 lose IN 12N 136 150 156 19 3600 130 KG 1Kg 100 3613 72 176 1PM 136 150 156 129 6400 100 130 1156 116 3627 2 136 180 182 194 100 130 150 110 Yes ing M300 3613 72 194 136 150 180 ing Leaco 3043 72/100 194 136 150 156 106 136 156 116 19 3300 3643 72 174 136 150 156 100 136 156 116 Ves 179 3300 3633 72 174 150 156 136 179 3300 106 136 156 116 3632 72 136 150 150 174 Ves 179 4200 Ves 179 41100 100 136 156 116 3633 72 136 150 156 174 NA 12 Ves 179 4300 100 136 156 116 3627 73 174 136 ISO ISO 136 ISO 186 3627 72 100 136 156 116 3600 72 106 136 156 116

General Notes: -

#5 Turbine Log



-	1 6	1 6	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6													Date: 4-15-23							XLL		
Time	Point No.1 Exhaust Terap	Point No 2 Exhaust Tem	Point No. 4 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust femp.	Point No. 8 Comp. Disch. Temp.		Point No. 16 1st Stage Wheel-Fwd	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel, Eved	Carlo Maria Contractor		Fuel Gas After Stop Valve	Fuel Oil Supply	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyć. Oil Motor Iniet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
		2570	3 560	5 572	15%	458		1	1/	1	1498		1/	73	7	1	7	1	23	15S	Le3	31	54	55	to
IAN	1520	1570	5 80 K	8 578	257	54158	/	1			-198		/	76	1	1	/	1	22				-		Sta
2	570	1570	ol 6	\$ 573	1579	KISK	/	1			198	1	/	76	1	1	-	1	273		63	21	54		1
3	1570	1570	568	572	1575	1758	1	1			1990		/	76	/	-	-	-	25	155	63	31	84	SS	Ny
4	Slot	1560	11858	Kraz	1579	1967	1	1			490	1	1	76	-	4	-	/	23 23 23 23	185	63	31 31	84	SS	No
5	Da	*Xeo	1558	1860	1 560	5-157	1	1					/		/	-	/	/	23	ISS			54		Su Su
6	568	1558	65	156	56	RIEX	/				189	-	-	76	-	/	-	/	23	155			69		My
7	50	ST	ISTE	SA	(82	140		THE RESERVE OF STREET	-			-	-	76	-	-	-	/-	23	155	65		Section 1	55	The
8	577	578	1574	579	289		/	1	1		500	-	-	76	/	/	/	/	23		63		54	SS	DB
9	580	132	574	580	585		/	1	1	1	500	/	-	76	/	/	/	/	23	155			54	SS	DO
10	586	COC	50.0	585	590	-	/	1	1	/	Ses	/		76	/	/	4	/	23	155			54	55	00
	500	500	580	592	0.00		/	/	/	1	Seg	-	/	Xo	/	/	/		23	155			54	55	DP
12N	000	570	200	603	22	408		1	/	/	200	/	/	76	/	/	/		23	155		31	54	55	Do
							/	1	-	/	517	/	/	de				/	33	ISS ISS	63	31	54	SS	97
		20	2008	392	376			/	/	-	511	/		Xa		/			23	ISS	63	31	54	55	R
2	600	606	1000 Lav1	706		701	4	-	4		588	/		76	/		/		23	ISS	63	31	54	SS	B
A	200 I	ano	604	600	613	464	/	/			530	/		76	/			/	23	ISS	63	31	54	SS	DP
5 1	591	591	212	5%	601	463	/	/	/		524			76					23	155				55	26
			689		299			1			5m	4		76	/				23		63	31	54	55	DP
The second second						459				100 000	500		1	76	/		/		23	155		31	54	55	DP
1				56							502			761	/	1		1		155	63	31	54	SS	20
		574				7/00					502		1	10 m			/		23	ISS	63		54	SS	100
10 5		10	289			161	/				51a		1	76		/	/		23	155	63	31	54	SS	NO
10   5	991 5	AI S	1982		THE RESERVE OF THE PARTY OF THE	462	/				513	1		760	/			/	23	ISS	63	31		55	OP.
11 15	97 3	15/	591	593	594	460					513	1	THE REAL PROPERTY AND ADDRESS OF	26	/	1			23	THE PERSON NAMED IN	43	31	54	THE RESERVE AND ADDRESS OF THE PARTY OF THE	No
Cama	val Na													- Annual Control	and the same of th	The same of the sa				-		01		100	

General Notes:

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## Sewerage and Water Board of New Orleans

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\$ (G) 3	
XIX	

#5 Turbine Log Date: 4-16-23 Speed / Reading Taken By: 12M 3600 72 1/6 178 9300 IAM 3600 72 Yes 178 3600 72 Ves 178 4000 3600 72 1/2 178 3900 Yes. 136 150 Yes 178 4200 186 116 136 150 Yes 178 (1300 3600 72 106 136 156 116 136 180 Vas 3630 73 IN n8 3600 3630 77 100 156 116 178 3600 178 3500 Bo Inci la Ves 1Cle 156 116 N8 3900 1PM 180 116 178 3900 156/11/0 18 3000 3600 72 136 150 158 196 116 Ves 196 1160 136 150 3600 72 156 HG (36 4es 179 3600 136 196 116 Se00 72 3600 72 150 1100 (36) 72 106 Yes 178 3200 3600 72 106 136 156 116 Ves 2600 72 106 136 196 116 136 190 198 136 150 158

-		
anc.	General Notes:	
44.147		

# Sewerage and Water Board of New Orleans #5 Turbine Log

Side	Two							1.36	reaction,	5 - 4				san es e,	,					1 .1	0.			,	YELL
											#5 1	urb.	ine l	og			MAGEL AT APPROXIMATION AND THE PARTY OF THE	g-rammana decision rep	Date:	1-16	-20	>		or manager or called	
Tare Peur Ned Xanad Peup	int No. 2 ansi Temp.	Popul No. 4	east Temp.	Pomtike, 5 Exhanst fomp.	PointFie. 5 Exhaust Temp	Point No. 8 Comp. Disch. Tenip.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Weekl-Fwd	Foint No. 11 Is: Stage Whoel-Food	Pour No. 12 1st Stage Wheel-Pwd	Pozni No. 20 2nd Stage Wheel- Aff	Fuel Gas Before Scop Valva	Fuel Gas After Stop Yelve	Supply Supply	Stop Valve	Feel Oil After Filler	Hyd. Oil Meicr fiziel	Hyd. Oil Motor Oralis	Lube Oil Brg. Header	Late Oil Pamp Disch	Compressor Lincharge	Temp. Rela Outlet	Expensi Detector Teth	Potentol Detectol Regiti	
						-	5 3	× 5	£ 5			-	7	76		-		7	23	155	63	31	89	55	Ng
2M 59			31	593	594	760					513	-	1	76			/		23	155	63	3)	59	55 55	19
1M 59				893	694	460	(-)			-	500	-		76			7	/	23	155	63	31	59	55	Sto Sto
2 66			67	671	575	456	/	1	-	-	500	1	17	76			/	/	23	155	63	31	64	SS	Ny
56	29 36	9 8		571	575	466	-	-		-	509	-	1	76		/	1	/	23	155	43	31	199	55	- Ny
68	7 58	78	89	288	592	451	/				309		1	76	1	/	1	/	23	155	63	31	59 64 64 654	SS	No
5 38					592			1	1		501		1	76		/		1/		185	43		184	55	240
6 58	CC/10/08 Seems MICHORATEC	MARKET MARKET THE	81	585	589	451	-	-			501			76			/		a3	ISS	63	31	54	55	DE DE
7 57					578		1				501		1	76	/	/			23	A CONTRACTOR OF THE PARTY OF TH			1184	35	14
8 50					SM	186	1	1	1	-	500	-	17	176	/	/	1/	1	133	155			24	55	OP
	9 56		(of	571			1	1	1		496		17	106	/	/	/	1	33		63		154	55	
10 56		4 5	63		500		1	1	1	1	495		1/	106	/		1/	/	23	155	43	31	24	55	36
11 5%			-695	581	568			1	1		503	-	1/	76	/	/	/	/	23	155			54	55 SS	12
2N 58		19 5		581		457	1	1	1		505		12	76	/	1/	/	/	123	155	63	31	54	55	器
NAME OF TAXABLE PARTY.			578	201	287		17	1	1/	1	300		1/	76	1/	1/		/	23	ISS	63		NAME AND ADDRESS OF THE OWNER, WHEN	35	John .
2 58	The second second	51 0	170	68	2 98	158	17	1		1/	1500	0/	1/	78	/	/	/	/	23	165	63	121	59 59 50	35 35 55	T. Ma
1 20	76 6	74	67/-	379	9 58:	145	3	1	1/	1./	150	e/	1/		/	/	/	/	122	100	63	31	20	55	Do
1 6	75 6	75 6	576	67	9582	198	3	1/	1/	1/	150	0/	1	18	1	/	1	1	23	1155	63	31	69	155	No
6 3	69 5	00	GISK	57	670	2A6	0	1	1/	1/	160	0/	1/	78	/	/	/	/	20	155 155 (58	63	31	54	SS   SS	No.
	69 5	69	568	371	579	Heo		1	1/	/	50	5/	/	78	1		/	/	23	159	5 6	31 31 31 31 31 31	69 54 1 59	1 55	No.
-	65 4	65	963	156	7 570	75G	0	1	1/	1	<19		/	78	/	/	/	1	23	And in column 2 is not the	STREET, SQUARE,	1 6	155	1	
	45 8	565	862	190	7 87	04180	0	1/	1/	1/	\$79	1	/	76	1	-	/	1						155	Le
	63 8	65	563	56	7 578	0484	1	1/	1/	1/	79	The second second	1	28		/	/	1	23	150	5 6	3 3			1 Me
11	63 9	63	562	66	5 50	9519	5/	1/	1/	1/	49	6/	1	78	1	1/		1	di	100	2			WILLIAM DE JOHN BOOK	

General Notes:

# Sewerage and Water Board of New Orleans



									并	0 10	ubin	E 110	5				Dates			
Run, Unurs	Speed/ Kpm	Ambient Temp.	Oil Temp From Ceoler	No.1 Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No 4 Brg. Temp.			Gear Big, No.3 Temp.	Gear Brg. Thurst(3 I.)	Gear Srg. No.4 Tump	Generator Brg, Temp.(©)		In Aux. Oil Frank Year No. Add IL Predad.	incorating Gas Press.	Kilowatts	Read Taken	
	2/20	90	106	136	156	116	1	136	150	158	124	174		NA		Ves	178	3200	No.	
1	3600		106	136	166	116				198	/	741		NA				3200	The state of the s	
/		72		136	194	114				158	/	1741		WA	111	-	-	3100	No.	
/	3600	72	106	(36)	196	116	1	the same of the same of the	196	158	/	179		NA	1/4	Ves	178	3/00	1	
	3600	and the same of the same of	106	134	196	116	/	136	196	158	/	174		NA	1/4	VCS	178	3000	J.	
	3600	72			166	116		134	150	158	/	174		NA	1/2	Veg .	178	3000	The	-
4	3600	72	106	136	156	116	7	136	150	168	/	174	£	NA	1/2	-	178	3000	a le	NAME OF TAXABLE PARTY.
-	3600	72	106	136	156	116		136	150	158	_	176	/,	MA	1/2	yla	וחצ	3740 Z	- 4	
	7617	68	106	176	156	116		176	150	158	_	ואר	1	41	1/2	zer	351	1-1-	a ce	
-	3617	68	166	124	156	116	7	176	151	15 4	_	176	/	MA	He	7th	רדו	27	a le	
	3620	64	106	136	156	116		134	151	159	_	176	/	MA	1/2	yer	178	7100	au	
	3621	10	106	174	154	116	/	134	152	lle	_	ררו	/	MA	"le	yes	172	3000	a de	
-	3614	1 31	106	174	156	116	/	170	15 3	الحد	_	ירו	/	MA	'le	yor	ווין	2900	a le	
-	3619	72	106	170	156	116	/	176	153	رادان	/	ררו	1	MA	1/2	yes	ררו		- LR	
	3619	74	1	136	156	116	1	176	153	160	_	רו		71	42	702	ררו	2940	- Le	
-	3619	76	100	136	158	116	//	136	155	160	/	178	/	MA	1/2	yer	178	2 9 od	a 62	
-	3619	78	106	176	152	116	1	176	155	159	-	130	/	MA	1/2	1 400	178	3000	1 2 4	e
-	3619	78	100	134	148	116	1	176	155	158	-	180	/	MA	1/2	The	178		can cr	
	3619	12	166	136	159	116	1	176	155	158	/	180	/	MA	1/2	yes	177	3000	0 4	
-	3620	176	1	130	152	110		136	15.5	158	-	180	/	44	1/2	Age	177	3200	a ca	_
	3618	74	lub	136	152	h.	/	138	154	158	_	180	/	MA	1/z	712	ורו		a le	
1	1	172	lais	174	158	112	17	140	153	155	-	179	1	MA	11/2	Ans.	177	2900	~ LR	
1	7620	72	100	136	158	118	1/	140	153	159	1	178	-	MA	1/2	1/1-2	176	NAME OF TAXABLE PARTY.	to	
1	3600	122	106	136	156	116	1	138	1192	158	1/	176		NA	1/2	1/25	1/18	8000	A CONTRACTOR OF THE PARTY OF TH	COLUMN STREET, ST.

1000		100		
200	200	19120	No	89015
100	136	2 650	1 1 673	10000

# Sewerage and Water Board of New Orleans #5 Turbine Log Date: 4-17-23



-				-	7	-	orpus menunum	-	7	-		M. OVS C.		8					Date:	4-1	1-0	13			* Judy
Time	Point No.1 Exhaust Temp	Point No. 2 Exhaust Temp	Point No. 4 Exhust Temp.	Point No. 5 Exhaust Temp	Peint No. 6 Exhaust Temp	Point No. 8 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd.	Point No. 10 1st Stage Wheel-Fwd.	Point No. 11 1st Stage Wheel-Fwd.	Point No. 12 1st Stage Wheel-Pwd	Point No. 20 2nd Stage Wheel, Att	Fuel Gas Before Stop Valve	Fuel Gas - After Stop Vaive		Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
12N	1 563				1869	195	/	1/	1/	1	1994	/	1/	158	1	17	1	7	23	155			59	55	M
IAN	1563	563	562	565	1569	2195	/			1	199		1	78	1	17	1	1	23	155	63	31	39	55	No.
2	563	663	3 565	1 565	569	195	/			1	190		1		/	1	1	1	23	188	63	31	54	55	2/2
3	560	Ster	662	4568	570	14X	/			1	1990	1	1	78	1	1	1	/	23	155	63	31	54	SS	of the
4	560	1660	562	568	570	N58	/			1	186		1	78	1	/	1	/	23	155		31	54	SS	Te de
5	553	653	651	555	555	450	/	/	/	/	488	/	1	78	17	1	1	/	23	15S	63	31		SS	to
6	553		551	1552	355	450	/	/	/	-	488	1	1	78	1	1	/	-	23	155	63	3)	54	SS	The state of
7	1 555		1553	557	560						485	17	1	72	17	1	-	-	23				54	22	a le
8	551	551	150	554	556	451	/		/		487	1	1	72	1	/	-	-	77	155	64	31	54	55	acr
9	150	5 50	548	512	354	453	/	/		-	487	1	1	73	1	/	/	-	23	155	64	71	54	55	au
10	151	551	550	557	556	455	/	/	/		488	1	/	74	1	1		-	27	162	64	31	54	(1	a 12
11	560	1 560	560	362	566	457		/	/	1	492	1	1	75	1	1	-	-	27	155		31	54	SS	a U-
12N	561	101	\$ 60	563	567	\$458	/		/		495	1	/	76	1	/	-		23	15.5	64	31	SH	53	a 4
1PM	562	162	561	564	567	459	/		/		490	1	1	רר	1		-	-	23	155	64	31	54	55	aRR
2.	565	1 565	164	567	570	460		/	/	/	498	1		78	/	/	-	-	23	(5.5	64	31	54	37	all
3	570	570	568	5.72	575	463			/		501	-	/	75	1	-	-		£3	155	43	31	53	54	a he
4	571	571	569	574	577	464	/	/	/	/	563	1	/	20	/	-	-		23	155	63	31	53	5ų	~ 4
5	572	512	5 11	575	578	465		/	/	/	505	7		70	/	-			27	155	67	31	63	54	ane
6	573	נר ז	572	175	578	465	/		/	/	505		/	15	1	1	-	/	23	iss	63	31	53	54	a 12
7	579	574	572	176	579	462	/		/		505	/	/	78	1	-	-		23	165	63	31	57	54	~ 4
8	661	Soi	560	s.z	566	457			/	/	444	/	/	71	/	1		/	23	15.5	63	31	53	54	au
9	544	5 54	5 53	557	159	454	/		/		441		/	76	/			-	23	155	63	31	53	54	ce ke
10	\$55	\$ 55	(53	5 57	659	454	/		/		991	/	/	76	/		-	-	23	155	63	31	23	54	a le
11	554	554	553	556	559	450	/				190			76	-				23	155	63	-	53	59	A
				-	The second second				- Commenced	The State of	-	-	-	-		-	-		a	-00	100	100	100	101	

General Notes:	

## Sewerage and Water Board of New Orleans



#5 Turbine Log

	_	7	-			p-140-140-140			Procedures management	WALES OF THE PARTY	-	urvu		8				Date	d-18-23	XLM
Time	Run	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No.1 Big. Temp	No.2 Brg. Temp.	No. 2 Thrust Femp.	No.3 Brg. Temp.	No.4 Brg. Temp.	Pinion Brg. No.1 Temp.	Pinion Brg. No.2 Temp.	Gear Brg. No.3 Temp.	Gear Brg Thrust(7.T)	Gear Brg. No.4 Temp	Generator Brg, Temp.(c)	Oii Tani Level	Oil Levei Ok a Aux. Oil Pump Yes / No Add if / Negles	Incoming Gas Press.	Kilowatts	Reading Taken By:
12M		3600	72	106	136	156	116	/	138	132	168	/	176	/	NA	1/2	Yes	179	3000	
1AM		3600		106	136	156	116		138	150	168	/		-	NA	1/2	Yes	178	2800	Ma
2		3600	68	104	136	156	114		138	150	158		176		MA	THE REAL PROPERTY.	Ves	178		J.
3		3600		106	136	196	116		138	150	198		176	-	MA	191		178	2800	1
4		4000		100	130	166	116	/	138	150	158	/	176		No	1/2	Ves Ves	178	2800	- My
5		3600	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND	106	136	186	116		138	160	158	/	176	-	NA	1/2	Ves Ves	178	3000	No.
6		3600	08	106	136	1960	116		138	160	158		126	-	NA	1/2	485	100	300	Jan 1
7		3613	62	106	136	156	116		178	150	158	/	174		MA	1/2	405	188		a h
8		3619	66	106	176	156	116	/	138	150	128	1	174	-	-	Yz.	40-	178	3900	.2
9		3619	70	106	136	156	116		138	151	159		176		MA	Yz	422	179	3000	
10		3619	72	106	136	156	116		138	151	159		176	-	44	1/2	yu	178	3600	
11		3619	76	lựs	136	158	116	/	140	154	160		178	/	74	42	yer		3000	a- 4L
12N	/	3621	78	loc	176	158	IIL	/	140	155	166	/	178	-	Ma	1/2		177	3000	~ 4
1PM	/	3622	30	106	176	158	III		100	ur	lua	1	130	-	MA	YL	yu	178	2700	a he
2	/	3622	80	106	136	158	118		140	155	160		180	-	MA	1/2	yn	178	2600	a W
3		3632	80	100	136	158	118		140	155	160		180	-	NA	11	7			
4		3622	80	lae	136	158	118		140	1	160		180	-	AL	10	185		200	Desc
5		3699	80	ide	136	158	118	/	140	100000000000000000000000000000000000000	160		(80		NA	1/2	Ves Ves	108	2000	Deles
6		3632	80	106	136	158	118	/	140	ISS	160	/	180	-	NA	1/2	Ves	108	2600	1) 682S
7		3630	80	106	136	158	118	/	140	155	160		186		ALL	1/2	The second division in		3600	
8		3621	80	iac	136	158	118	/	140	155	160	/	180	-	NA	1/2	les	100	3800	DIERS
9		3618	80	100	136	128	118		140		160	/	180	1	2//1	111	les Iba	iner	2800	100
10	/	3618	80	Kea	1360	188	118	/	140	iss	Man	/	180	/	NA	17	185		3100	PIERES
11		3600	72	106	136	158	118			STREET, STREET	160	-	1960		WA	1/2	Ves	179	300	Digies
- at manifes	and the second	AND DESCRIPTION OF THE PARTY OF	THE REAL PROPERTY.			No. of Concession, Name of Street, or other Persons, Name of Street, Name of S	- V	-	/ (0)	100	The second second	Season of	1	-	MA	10	100	178	3700	1 1/2

General.	Notes:
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# Sewerage and Water Board of New Orleans #5 Turbine Log



Cir	le T	M137						36	wera					uu v	7101	7 30 3	2. 25 Sept 2.1		,	/,				1	XIV-
010	E I	11 6									#5 T	urbi	ne L	og			and the second s		Date:	7-18		46.5			
	Aparis Ling	Point No. 2 Manus Temp	Para No. 4 Exhaunt Yemp	Point No. 5 Exhaust femp.	Point No. 6 Exhaust Tomps	Point No. 6 Comp. Disch. Temp.	Point No. 9 1st Stage Wheel-Fwd	Four No. 10 1st Stage Wheel-Fwd.	Foirst Mo. 11 1st Stage Wheel-Fwd		<b>53.</b>	Figel Gas Before Stop Valve	Fuel Gas After Stop Valve	Two 78	Fuel Oil A her Step Valve	Fuel Oil After Filter	Hyd. Oil Motor lider	Hyd. Oil Mater Oudet	Date Oil	Pump Disch	39	Tenry, Rein Outlet	551	55 L	day
MC	54	551	550		858	165	/		1		190		/	18	4	-	-	1	23				58	55	My
MC	40		590								181	/		78	4		-		32	155 155	63	31	58	SS	Lo
6	OP	5911	640	593	596	446					081		4	78	4	/	-	-	32	165		31	69	55 35	Lo
1	539	539	642	544	1648	444			/		478	_	(	78	4	-		1	33	185	63	31	61	55	The Ho
1	5.38	939	SAA	849	1 648	444			/		478	-	/		1	/		1	23	155	63	31	654	55	Lo
	537	635	535	639	693	190		/,	/		476		-	78		1	1	1	23	185 185	63	31	54	95	- Ze
6		535	535	539	518	440	/		4		4/7Ce		-	68			7		23	155	64	31	5.4	( E	04
	557	559	517	560	565	445		/	1	-	485	$\leftarrow$	1	69	1	1	7		53	155	64	31	54	22	a co
	155	555	5 53	117	5 60	452	6	/		1	427	-	17	70			/	/	2.3	155	64	11	54	çr	4
	5 58	5 58	5 56	\$ 60	5 64	454	1	-	-	1	499		1	73			/		23	15.5	64	31	54	Şr	26
0	164	\$ 64	163	5 66	370	460	1	1	1	1	448	/	17	76	/		/		23	155	63	31	54	54	C- 4
	568	268	5 66	370	٤٦ ٢	462	1	-	1		1447	1	1/	78			/		23	155	67	71	54	55	a de
N	542	562	562	165		462	1	1	1	1	1447	1	1/	10			/	1	27	155	67	31	54	155	a u
M	563	563	, 62	-	5 66		1	1	1	1/	446	/	1/	80			/		23	155		-	-	SS	Diete
-	562	5 62	(6)	564	MET AND STREET, STREET	MANAGEMENT OF THE PARTY OF THE	17	1	1	1	1496	/	1/	80	/	/			23	ISS	63	131	54	55	DA
	562	562	561			-	1	17	1	1/	495	/	1/	80			/	/	123	155	63	131	54	SS	De
	560 588	558			369			1	1/	1/	492		/	80	1	/	1	1	33	155		31	154	55	Den
	557	557	556					1/	1/	1/	1492		/	80	1	1	+	1	23	155		The state of the s	154		10199
-	561	561	560	The second second		1/20	1/	1/	1/	1	493	/	/	180	1	1	1	1	133	155	63		154	55	084
-	559		A CONTRACTOR OF THE PARTY OF TH	567	1564		7/	/	1/	1	144	/	/	80	1	1	1	1	23	155	63	131	54	55	17/0
-	503	THE RESERVE OF THE PARTY OF THE			5568	480		1	/	/	491		/		1	1	1	1	23	155	, 63	31	54	55	1745
0	MIL	560	15	Hole	156	7 496	0/	1/	1/	/	Mar	THE RESERVE OF THE PERSON NAMED IN	1	76	1	1	1	1	23		63		139	165	1 M
11	210	560	550	3 600	3 5506	0 49	11	1/	1/	1	190	2/	/	1/06		1	1			-					

General Notes:

## Sewerage and Water Board of New Orleans

19

#5 Turbine Log

	-				_			-	-				0				Date	: 4-14-2.	3	XIII.
Time Rus Hours	Speed / Rpm	Ambient Temp.	Oil Temp From Cooler	No. i Brg. Temp	No.2 Brg. Temp.	No. 2 Thrust Temp.	No.3 Brg. Temp.	No.4 Brg. Temp	Pinion Brg. No.1 Temp.	Pinion Brg. No 2 Temp.	Gear Brg. No.3 Temp.	Gear Brg. Thrust(3T)	Gear Brg. No.4 ferap	Generator Big. Temp.(c)	Oil Tank Level	Oil Level Ok N. Aux. Oil Pamp Yes / No -	Incoming Gas Press.	Kilowatts		Reading Taken By:
12M	3600	72	106	136	156	#8	/	138	156	160	/	178	7	NA	1/2	Ves	179	3200		1
1AM	3600	72	106	136	186	148	/	138	156	166	/	178	1	N/A	112	Ves	179	3200		No.
2	3600	72	106	136	156	118	/	138	154	160	/	178	/	NA	11/	Vcs	179	3000	+-+-	1
3	3600	72	106	136	156	128	/	138	154	160	/	178	/	WA	11/2	Yes	179	The state of the s		No.
4	3600	72	104	134	156	118	/	138	154	160	/	178		MA	1/2	Yes	179	3100	1	Har
5	3600	72	10le	136	156	118	/	136	156	160	/	178	7	MA	1/2	Yes	179	3/00		The
6	3600	72	106		156	138	/	138	156	160		178		NA	1/2	Yes	179	3100	-	Je Je
7	3621	70	106	136	156	118	/	132	155	160	/	176	7	MA	1/2	92	179	2600		a ex
8	3621	72	tos	136	156	118		136	155	160		176	/	MA	1/2	yes	179	2408	1-1-	a he
9	3421	74	106	176	156	116		134	153	160	/	116	/	74	40	yer	179	2600		a ll
10	3621	75	lob	136	156	116	./	136	153	160	/	176	7	MA	1/2	yes	179	2600	1-1-	10
11	3620	77	lgi <sub>6</sub>	176	156	116	/	136	155	160	/	176		MA	1/2	yer	179	2600		
12N	36 19	78	tou	136	150	1116	/	176	155	160	/	176		MA	11e.	yu	175	2,800		a le
IPM _	3621	79	100	176	156	116		176	155	tion		דרו	7	МА	llz	2r	179	2600		Co No
2	762	80	lub	176	156	104		136	156	1600		ררו	/	MA	2/2	yu.	175	7600		aa
3	3690	80	100	136	156	116		136	155	160		inn	7	NA	112	Ves	109	2700		Deters
4	3615	80	100	196	186	116		136	ISS	160		(7)	/	N/A	-			3400		Deters
5	362	80	100	196	186	116		136	155	160	/	רח		AIN	1/2	ks	179	3800		D.Petos
6	13621	80	1do	136	186	116		136		160	/	m		AIN		Ves	179	3800		D. Retos
1	3616	80	106	136	156	1/12		136e	ISS	160		100		NA	1/2	Ves	100	3300		Desters
8	3617	80	100	136	156	116	/	136		160	/	m	/	NA	1/2	Ves	179	3300		Oldes
9	3617	80	100	1360	156	116	/	136	155	160	/	in	/	AN		les	179	3300		Detas
10	3616	08	1000	1310	156	The	/	1360	ISS	2011	/	5		NA	1/2	Ves	199	3300	-	DRAW
11/	3600		ide	136	196	116	/	136	156			178		NA	1/2	PARTICION CONTRACTOR	178	3500		Ta

General Notes:

## Sewerage and Water Board of New Orleans #5 Turbine Log

19

Date: 4-14-23



											11-2 4	y		0				Contract to Street Print	-	1 7 7		and the same of the same of	-		
Frank	per Poul	nt Ne. 2 ast Temp	antifa 4 antifemp.	nd Nus. 5 aucs Temp.	ant No. 6 mas Temp.	Pour Ne. P	Point No. 9 1st Stage Wheel-Fved.	ort No. 12 sr Stuge heet-Pwd	Point No. 11 Est Shage Wheel-Fwd.	Point No. 12 1st Stage What-Fwd.	2nd Stage Wheel- Aft	Before Stop Valve	Fizel Gas After Stop Vslive	Supply Supply	act Oil After Stop Valve	Feet Oil After Filter	Hyd Oil Motor Infe:	Hyd Oil Motor Oatlet	Lube Oil Big, Haader	Lute Oil Parip Disch.	Campressor	Temp, Relay Outlet	Contin Devenie Leti	Exhusts Detector Engli	
	/lon	560	559	563	23	58	2 - 3	2 2	3		492		7	76	1	Z	7		23		63	31	54	55	Se la
			559	563		154	1		/		492	/		76	/	/	/		23		63	31		55	they
	The second secon	AND DESCRIPTION OF THE PARTY AND PARTY.	559	662		964			1		992	/		76			/		23	155	63			55	to
Annual Printer and Address	-	-		TO THE LAND OF THE PARTY OF THE	561		1	-/	1		189	/	/	76	/		/		23				58	55 55	May
	586	556		558 558		452	1		1		489	/	/	76	1	/	/		23	155			59	55	to
			- 41		Tool			/		/	483	/	/	76	/	/	/	/	23	158	63	31	54	68	The Sto
	545	844	SKI	317	550	181		/		/	983	/	/	76	/	/	4		23	-	63	31	54	ti OO	a ll
0	645	5 45	544	547	550	451	/	1	/		483	/	1/	אר	/	/	/	/	23	150	63	31	54	51	a de
0	< 45	5 48	5 48	551	5 53	453		1	/	/	484	/	/	1r		/	-	/	23	150	63	31	54	55	au
0	548	555	557	556	559	457	/	/		/	488	/	/	76	/	/	/	/	27	150	67	31	54	21	a re
10	5 58	1 25	150	561	564	461	/	/		/	490	/	/	רר	/	/	/	/-		-	67	31	54	55	a re
11	167	5 67	562	166	567	467	1	1	/		494	/	/	78	/	1	/	/	23	150	63	31	54	21	a R
12N	170	1 70	569	577	sar	465	/	1	/		499		/	79	/	4	1	1	-	150	67	131	54	cr	a u
1PM	168	108	167	569	571	461	1	/	/	/	448	/	1/	80	/	1	1	1	27	ifa	67	31	54	51	an
2	1667	1	1 66	170	(72	465	/	/	1/	/	448	_		80	1	1	-	1	22	150	63	21	54	SS	100
13	-	203	-	578	ררצו	467	/	/	/	1/	500	_	1	80	1	1	1	1	23	150	1		54	SS	
14	580		E-OW/INCOME	590		1 .	/	/	1/	1/	511		/	80	1	1	1	1	23	150		31	54	55	000
5	569	569	568	571	574	1 12	/	1/	1/	1	500		/	80	-	1	1	1	23	150		131	54	55	IDP
6	560		568	573	574	464	/	1/	1/	/	500		/	80	1	1	+	1	23		63		154	55	DP
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### Sewerage and Water Board of New Orleans #5 Turbine Log



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#5 Turbine Log

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## Sewerage and Water Board of New Orleans



#5 Turbine Log

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## Sewerage and Water Bourd of New Orleans



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## Sewerage and Water Board of New Orleans



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# Sewerage and Water Board of New Orleans #5 Turbine Log Date: 4|23|23

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## Sewerage and Water Board of New Orleans



#5 Turbine Log

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## Sewerage and Water Board of New Orleans



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AI No.: 5673

Al Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant Alt. ID/Permit No.: LAD981511850 Date of Inspection: 04/12/2023; 04/24/2023

## **ATTACHMENT 6**

Safety Data Sheet (MOBIL DTE 732)



Revision Date: 04 Aug 2020

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### SAFETY DATA SHEET

#### **SECTION 1**

#### PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: MOBIL DTE 732

Product Description: Base Oil and Additives

Product Code: 201560302015, 607200-00, 97AS85

Intended Use: Turbine oil

**COMPANY IDENTIFICATION** 

Supplier: EXXON MOBIL CORPORATION

22777 Springwoods Village Parkway

Spring, TX 77389 USA

24 Hour Health Emergency 609-737-4411

Transportation Emergency Phone 800-424-9300 or 703-527-3887 CHEMTREC

Product Technical Information 800-662-4525

MSDS Internet Address www.exxon.com, www.mobil.com

#### **SECTION 2**

#### HAZARDS IDENTIFICATION

This material is not hazardous according to regulatory guidelines (see (M)SDS Section 15).

Other hazard information:

HAZARD NOT OTHERWISE CLASSIFIED (HNOC): None as defined under 29 CFR 1910.1200.

#### PHYSICAL / CHEMICAL HAZARDS

No significant hazards.

#### **HEALTH HAZARDS**

High-pressure injection under skin may cause serious damage. Excessive exposure may result in eye, skin, or respiratory irritation.

#### **ENVIRONMENTAL HAZARDS**

No significant hazards.

NFPA Hazard ID: Health: 0 Flammability: 1 Reactivity: 0 HMIS Hazard ID: Health: 0 Flammability: 1 Reactivity: 0

**NOTE:** This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.



Revision Date: 04 Aug 2020

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**SECTION 3** 

#### COMPOSITION / INFORMATION ON INGREDIENTS

This material is defined as a mixture.

Hazardous Substance(s) or Complex Substance(s) required for disclosure

Name	CAS#	CAS# Concentration*			
2,6-DI-TERT-BUTYLPHENOL	128-39-2	0.1 - < 0.25%	H315, H400(M factor 1), H410(M factor 1)		

<sup>\*</sup> All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume.

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

#### SECTION 4

#### FIRST AID MEASURES

#### INHALATION

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

#### SKIN CONTACT

Wash contact areas with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

#### **EYE CONTACT**

Flush thoroughly with water. If irritation occurs, get medical assistance.

#### INGESTION

First aid is normally not required. Seek medical attention if discomfort occurs.

#### **SECTION 5**

#### **FIRE FIGHTING MEASURES**

#### **EXTINGUISHING MEDIA**

Appropriate Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

Inappropriate Extinguishing Media: Straight Streams of Water

#### **FIRE FIGHTING**

**Fire Fighting Instructions:** Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.



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**Hazardous Combustion Products:** Aldehydes, Incomplete combustion products, Oxides of carbon, Smoke, Fume, Sulfur oxides

FLAMMABILITY PROPERTIES

Flash Point [Method]: >215°C (419°F) [ASTM D-92]

Flammable Limits (Approximate volume % in air): LEL: 0.9 UEL: 7.0

Autoignition Temperature: N/D

SECTION 6

#### **ACCIDENTAL RELEASE MEASURES**

#### **NOTIFICATION PROCEDURES**

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations—require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800)424-8802.

#### **PROTECTIVE MEASURES**

Avoid contact with spilled material. See Section 5 for fire fighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

For emergency responders: Respiratory protection: respiratory protection will be necessary only in special cases, e.g., formation of mists. Half-face or full-face respirator with filter(s) for dust/organic vapor or Self Contained Breathing Apparatus (SCBA) can be used depending on the size of spill and potential level of exposure. If the exposure cannot be completely characterized or an oxygen deficient atmosphere is possible or anticipated, SCBA is recommended. Work gloves that are resistant to hydrocarbons are recommended. Gloves made of polyvinyl acetate (PVA) are not water-resistant and are not suitable for emergency use. Chemical goggles are recommended if splashes or contact with eyes is possible. Small spills: normal antistatic work clothes are usually adequate. Large spills: full body suit of chemical resistant, antistatic material is recommended.

#### SPILL MANAGEMENT

Land Spill: Stop leak if you can do it without risk. Recover by pumping or with suitable absorbent.

**Water Spill:** Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

#### **ENVIRONMENTAL PRECAUTIONS**

Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

SECTION 7

HANDLING AND STORAGE



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#### HANDLING

Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (e.g., during switch-loading operations). Use proper bonding and/or ground procedures. However, bonding and grounds may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance. Additional references include American Petroleum Institute 2003 (Protection Against Ignitions Arising out of Static, Lightning and Stray Currents) or National Fire Protection Agency 77 (Recommended Practice on Static Electricity) or CENELEC CLC/TR 50404 (Electrostatics - Code of practice for the avoidance of hazards due to static electricity).

Static Accumulator: This material is a static accumulator.

#### STORAGE

The type of container used to store the material may affect static accumulation and dissipation. Do not store in open or unlabelled containers. Keep away from incompatible materials.

#### **SECTION 8**

#### **EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure limits/standards for materials that can be formed when handling this product:** When mists/aerosols can occur the following are recommended: 5 mg/m³ - ACGIH TLV (inhalable fraction), 5 mg/m³ - OSHA PEL.

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

No biological limits allocated.

#### **ENGINEERING CONTROLS**

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider:

No special requirements under ordinary conditions of use and with adequate ventilation.

#### PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

**Respiratory Protection:** If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:

No special requirements under ordinary conditions of use and with adequate ventilation.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

Hand Protection: Any specific glove information provided is based on published literature and glove



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manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include:

No protection is ordinarily required under normal conditions of use.

Eye Protection: If contact is likely, safety glasses with side shields are recommended.

**Skin and Body Protection:** Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include:

No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

**Specific Hygiene Measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

#### **ENVIRONMENTAL CONTROLS**

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

#### **SECTION 9**

#### PHYSICAL AND CHEMICAL PROPERTIES

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

#### **GENERAL INFORMATION**

Physical State: Liquid

Color: Amber
Odor: Characteristic
Odor Threshold: N/D

#### IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Relative Density (at 15 °C): 0.86 Flammability (Solid, Gas): N/A

Flash Point [Method]: >215°C (419°F) [ASTM D-92]

Flammable Limits (Approximate volume % in air): LEL: 0.9 UEL: 7.0

Autoignition Temperature: N/D

Boiling Point / Range: > 316°C (600°F)

Decomposition Temperature: N/D

Vapor Density (Air = 1): > 2 at 101 kPa

Vapor Pressure: < 0.013 kPa (0.1 mm Hg) at 20 °C

Evaporation Rate (n-butyl acetate = 1): N/D

pH: N/A

Log Pow (n-Octanol/Water Partition Coefficient): > 3.5

Solubility in Water: Slight

Viscosity: 31.5 cSt (31.5 mm2/sec) at 40 °C | 5.68 cSt (5.68 mm2/sec) at 100 °C [ASTM D 445]

Oxidizing Properties: See Hazards Identification Section.



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OTHER INFORMATION

Freezing Point: N/D Melting Point: N/A

Pour Point: -18°C (0°F)

DMSO Extract (mineral oil only), IP-346: < 3 %wt

#### SECTION 10

#### STABILITY AND REACTIVITY

REACTIVITY: See sub-sections below.

STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Excessive heat. High energy sources of ignition.

MATERIALS TO AVOID: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.

#### SECTION 11

#### TOXICOLOGICAL INFORMATION

#### INFORMATION ON TOXICOLOGICAL EFFECTS

Hazard Class	Conclusion / Remarks	
Inhalation		
Acute Toxicity: No end point data for material.	Minimally Toxic. Based on assessment of the components.	
Irritation: No end point data for material.	Negligible hazard at ambient/normal handling temperatures.	
Ingestion		
Acute Toxicity: No end point data for material.	Minimally Toxic. Based on assessment of the components.	
Skin		
Acute Toxicity: No end point data for material.	Minimally Toxic. Based on assessment of the components.	
Skin Corrosion/Irritation: No end point data for material.	Negligible irritation to skin at ambient temperatures. Based on assessment of the components.	
Eye		
Serious Eye Damage/Irritation: No end point data for material.	May cause mild, short-lasting discomfort to eyes. Based on assessment of the components.	
Sensitization		
Respiratory Sensitization: No end point data for material.	Not expected to be a respiratory sensitizer.	
Skin Sensitization: No end point data for material.	Not expected to be a skin sensitizer. Based on assessment of the components.	
Aspiration: Data available.	Not expected to be an aspiration hazard. Based on physico- chemical properties of the material.	
Germ Cell Mutagenicity: No end point data for material.	Not expected to be a germ cell mutagen. Based on assessment of the components.	
Carcinogenicity: No end point data for material.	Not expected to cause cancer. Based on assessment of the components.	
Reproductive Toxicity: No end point data	Not expected to be a reproductive toxicant. Based on assessment	



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for material.	of the components.	
Lactation: No end point data for material.	Not expected to cause harm to breast-fed children.	
Specific Target Organ Toxicity (STOT)		
Single Exposure: No end point data for material.	Not expected to cause organ damage from a single exposure.	
Repeated Exposure: No end point data for material.	Not expected to cause organ damage from prolonged or repeated exposure. Based on assessment of the components.	

#### OTHER INFORMATION

#### Contains:

Base oil severely refined: Not carcinogenic in animal studies. Representative material passes IP-346, Modified Ames test, and/or other screening tests. Dermal and inhalation studies showed minimal effects; lung non-specific infiltration of immune cells, oil deposition and minimal granuloma formation. Not sensitizing in test animals.

The following ingredients are cited on the lists below: None.

-- REGULATORY LISTS SEARCHED--

1 = NTP CARC 3 = IARC 1 5 = IARC 2B 2 = NTP SUS 4 = IARC 2A 6 = OSHA CARC

#### SECTION 12

#### **ECOLOGICAL INFORMATION**

The information given is based on data for the material, components of the material, or for similar materials, through the application of bridging principals.

#### **ECOTOXICITY**

Material -- Not expected to be harmful to aquatic organisms.

#### MOBILITY

Base oil component -- Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

#### PERSISTENCE AND DEGRADABILITY

#### **Biodegradation:**

Base oil component -- Expected to be inherently biodegradable

#### **BIOACCUMULATION POTENTIAL**

Base oil component -- Has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

#### SECTION 13 DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

#### **DISPOSAL RECOMMENDATIONS**



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Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products. Protect the environment. Dispose of used oil at designated sites. Minimize skin contact. Do not mix used oils with solvents, brake fluids or coolants.

#### REGULATORY DISPOSAL INFORMATION

RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrositivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

**Empty Container Warning** Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

#### **SECTION 14**

#### TRANSPORT INFORMATION

LAND (DOT): Not Regulated for Land Transport

LAND (TDG): Not Regulated for Land Transport

SEA (IMDG): Not Regulated for Sea Transport according to IMDG-Code

Marine Pollutant: No

AIR (IATA): Not Regulated for Air Transport

#### **SECTION 15**

#### REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: This material is not considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

Listed or exempt from listing/notification on the following chemical inventories: AllC, DSL, ENCS, IECSC, ISHL, KECI, PICCS, TCSI, TSCA

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA (311/312) REPORTABLE GHS HAZARD CLASSES: None.

**SARA (313) TOXIC RELEASE INVENTORY:** This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.



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The following ingredients are cited on the lists below:

Chemical Name	CAS Number	List Citations	
2-METHYLNAPHTHALENE	91-57-6	18	
SEVERELY HYDROTREATED HEAVY PARAFFINIC DISTILLATE	64742-54-7	17, 18, 19	

#### -- REGULATORY LISTS SEARCHED--

1 = ACGIH ALL	6 = TSCA 5a2	11 = CA P65 REPRO	16 = MN RTK
2 = ACGIH A1	7 = TSCA 5e	12 = CA RTK	17 = NJ RTK
3 = ACGIH A2	8 = TSCA 6	13 = IL RTK	18 = PA RTK
4 = OSHA Z	9 = TSCA 12b	14 = LA RTK	19 = RI RTK
5 = TSCA 4	10 = CA P65 CARC	15 = MI 293	

Code key: CARC=Carcinogen; REPRO=Reproductive

#### SECTION 16

#### OTHER INFORMATION

N/D = Not determined, N/A = Not applicable

#### KEY TO THE H-CODES CONTAINED IN SECTION 3 OF THIS DOCUMENT (for information only):

H315: Causes skin irritation; Skin Corr/Irritation, Cat 2

H400: Very toxic to aquatic life; Acute Env Tox, Cat 1

H410: Very toxic to aquatic life with long lasting effects; Chronic Env Tox, Cat 1

#### THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

Composition: Component Table information was modified. Section 08: Exposure Limits Table information was deleted.

Section 15: National Chemical Inventory Listing information was modified.

Section 16: HCode Key information was modified.

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Internal Use Only

MHC: 0B, 0B, 0, 0, 0, 0

PPEC: A



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