JOHN BEL EDWARDS
GOVERNOR

ROGER W. GINGLES
SECRETARY

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.: T213615; T213760; T213972; T214194

AI No.: 5673 Alt. ID/ Permit No.: LAD981511850

Facility Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant

Physical Location: 8800 S. Claiborne Avenue

New Orleans (City) LA (State) Parish: Orleans

Mailing Address: 8800 S. Claiborne Avenue (Address) New Orleans (City) LA (State) 70118 (Zip)

Facility Representative/Title: Anita Williams / Environmental Enforcement Tech.; Scott Finney / Senior MS4 Manager

Facility Representative Telephone No.: 504-865-0662

LDEQ Lead Inspector: Von A. Magee

Other Inspectors: Daniel Cristina

Report By: V. A. 6/19/23
Von A. Magee, Environmental Scientist IV (Date)

Reviewed By: Dionne Magness 6/28/23
Dionne Magness, Environmental Scientist Supervisor (Date)

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 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.

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**).

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.

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)**

ATTACHMENT 1

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

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
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

Suspected Violation City *	New Orleans
Suspected Violation State *	Louisiana
Suspected Violation ZIP Code *	70118
Responsible Party	Government/Military
Is the suspected violation still occurring?	Yes
Date of Incident	
Characterized incident as:	
Intention *	Accidental
Violation Method *	Spray
Affected Subject(s)	Land, Air

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 REPORT

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 REPORT

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

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 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. 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=213615&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:	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
INCIDENT REPORT
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:	/
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 REPORT

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 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. 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 REPORT

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 REPORT

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. vam

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=213972&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):	
AI 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 **update** the incident.

INCIDENT REPORT

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:	/
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 REPORT

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 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. 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=214194

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:	

* Description of 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.
Directions for reaching the site:	Oil droplets evident on cars, homes and property along Spruce Street between Eagle and Leonidas.

AI No.: 5673
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

ATTACHMENT 2

Field Interview Form (FIF)

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
FIELD INTERVIEW FORM

AGENCY INTEREST#: 5673 **INSPECTION DATE:** 4/2/23 **TIME OF ARRIVAL:** 1330
ALTERNATE ID#: T213615 (ID Type/Number) **DEPARTURE DATE:** 4/2/23 **TIME OF DEPARTURE:** 1400
FACILITY NAME: Carrollton Water Plant **PHONE #:** (504) 628 7549
LOCATION: 8800 S. Claiborne
New Orleans, LA 70118 **PARISH:** Orleans
RECEIVING STREAM (BASIN/SUBSEGMENT):
MAILING ADDRESS: Same as physical
(Street/P.O. Box) (City) (State) (Zip)
FACILITY REPRESENTATIVE: Anita Williams **TITLE:** Env. Enforcement Tech.
FACILITY REPRESENTATIVE PHONE NUMBER: Same as above
NAME, TITLE, ADDRESS and TELEPHONE of RESPONSIBLE OFFICIAL (if different from above):

INSPECTION TYPE: Complaint **PROGRAM INVOLVED:** AIR ☐ WASTE ☐ WATER ☒ OTHER:
INSPECTOR'S OBSERVATIONS: (e.g. AREAS AND EQUIPMENT INSPECTED, PROBLEMS, DEFICIENCIES, REMARKS, VERBAL COMMITMENTS FROM FACILITY REPRESENTATIVES)

- Ms. Williams stated the SWBNO is aware of an occurrance w/ turbine 5 a exhaust stack occuring but does not know specific details; directed me to Mr. Scott Finney for answers to specific questions;
- Observed droplets/staining on some cars parked along Spruce Street.

AREAS OF CONCERN:

REGULATION	EXPLANATION	CORRECTED?
		YES ☐ NO ☐
		YES ☐ NO ☐

PHOTOS TAKEN: YES ☒ NO ☒ **SAMPLES TAKEN:** YES ☐ NO ☒ (Attach Chain-of-Custody)
RECEIVED BY SIGNATURE: Anita Williams
PRINT NAME: Anita Williams
(NOTE: SIGNATURE DOES NOT INDICATE AGREEMENT WITH INSPECTOR'S NOTES)

INSPECTOR(S): Von A. Magee / V. Magee **CROSS REFERENCE:**
504-736-7731; Daniel Cristina **ATTACHMENTS:**
REVIEWER:

NOTE: The information contained on this form reflects only the preliminary observations of the inspector(s). It should not be interpreted as a final determination by the Department of Environmental Quality or any of its officers or personnel as to any matter, including, but not limited to, a determination of compliance or lack thereof by the facility operator with any 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
FIELD INTERVIEW FORM

*Revision; corrected date to 4/12/23 (PW

AGENCY INTEREST#: 5673 **INSPECTION DATE:** 4/12/23 **TIME OF ARRIVAL:** 1330

ALTERNATE ID#: T213615 (ID Type/Number) **DEPARTURE DATE:** 4/12/23 **TIME OF DEPARTURE:** 1400

FACILITY NAME: Carrollton Water Plant **PHONE #:** (504) 628 7549

LOCATION: 8800 S. Claiborne
New Orleans, LA 70118 **PARISH:** Orleans

RECEIVING STREAM (BASIN/SUBSEGMENT):

MAILING ADDRESS: Same as physical
(Street/P.O. Box) (City) (State) (Zip)

FACILITY REPRESENTATIVE: Anita Williams **TITLE:** Env. Enforcement Tech.

FACILITY REPRESENTATIVE PHONE NUMBER: Same as above

NAME, TITLE, ADDRESS and TELEPHONE of RESPONSIBLE OFFICIAL (if different from above):

INSPECTION TYPE: Complaint **PROGRAM INVOLVED:** AIR ☐ WASTE ☐ WATER ☒ OTHER:

INSPECTOR'S OBSERVATIONS: (e.g. AREAS AND EQUIPMENT INSPECTED, PROBLEMS, DEFICIENCIES, REMARKS, VERBAL COMMITMENTS FROM FACILITY REPRESENTATIVES)

- Ms. Williams stated the SWBNO is aware of an occurrance w/turbine 5 & exhaust stack occuring but does not know specific details; directed me to Mr. Scott Finney for answers to specific questions;
- Observed droplets/staining on some cars parked along Spruce Street.

AREAS OF CONCERN:

REGULATION	EXPLANATION	CORRECTED?
		YES ☐ NO ☐
		YES ☐ NO ☐

PHOTOS TAKEN: YES ☒ NO ☒ **SAMPLES TAKEN:** YES ☐ NO ☒ (Attach Chain-of-Custody)

RECEIVED BY SIGNATURE: Anita Williams

PRINT NAME: Anita Williams

(NOTE: SIGNATURE DOES NOT INDICATE AGREEMENT WITH INSPECTOR'S NOTES)

INSPECTOR(S): Von A. Magee / V-Mag **CROSS REFERENCE:**
504-736-7731; Daniel Cristina **ATTACHMENTS:**

REVIEWER:

NOTE: The information contained on this form reflects only the preliminary observations of the inspector(s). It should not be interpreted as a final determination by the Department of Environmental Quality or any of its officers or personnel as to any matter, including, but not limited to, a determination of compliance or lack thereof by the facility operator with any 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.

ATTACHMENT 3

Photographs

Facility Name: Spruce Street – near SWBNO Carrollton Water Plant AI: 5673
City: New Orleans Parish: Orleans Photographer: Von A. Magee
Date: 04/12/2023 Reason: Complaint 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 AI: 5673
City: New Orleans Parish: Orleans Photographer: Von A. Magee
Date: 04/12/2023 Reason: Complaint 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 AI: 5673
City: New Orleans Parish: Orleans Photographer: Von A. Magee
Date: 04/12/2023 Reason: Complaint 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 AI: 5673
City: New Orleans Parish: Orleans Photographer: Von A. Magee
Date: 04/24/2023 Reason: Complaint 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 AI: 5673
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: Carrollton Water Treatment Plant AI: 5673
City: New Orleans Parish: Orleans Photographer: Von A. Magee
Date: 05/09/2023 Reason: Complaint/CEI Other ID #: T213615; T213760; 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.

ATTACHMENT 4

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

John Bel Edwards
Governor

Chuck Carr Brown, Ph.D.
Secretary

Louisiana Department of Environmental Quality
Southeast Regional Office

Incident Report

Inspection Date: 3/04/2022 Incident No.: T-207469

AI No.: 5673 Alt. ID/Permit No: LAD9815 1850; INS20220003

Company Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant

Physical Location: 8800 S. Claiborne Ave.

New Orleans (City) LA (State) Parish: Orleans

Mailing Address: 8800 S. Claiborne Ave. (Address) New Orleans (City) LA (State) 70118 (Zip)

Facility Representative/Title: Corwin Washington / Environmental Project Manager

Facility Representative Telephone No.: 504-930-7250

LDEQ Lead Inspector: Jodi Holewka

Other Inspectors: Tom Aepelbacher

Report By: Jodi Holewka, Environmental Scientist 4/4/2022 (Date)

Reviewed By: Holly Herrmann, Environmental Scientist Supervisor 04/14/2022 (Date)

201 Evans Rd., Bldg. 4 Suite 420, New Orleans, Louisiana 70123-5230
(504) 736-7701 Phone (504) 736-7702 Fax
www.deq.louisiana.gov

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

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.

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)?
7. 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.

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.

LIST OF ATTACHMENTS

ATTACHMENT 1

Field Interview Form
(2 Pages)

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
FIELD INTERVIEW FORM

AGENCY INTEREST#: 5673 INSPECTION DATE: 3/04/2022 TIME OF ARRIVAL: 10:00am
ALTERNATE ID#: T-207469 (ID Type/Number) DEPARTURE DATE: 3/04/2022 TIME OF DEPARTURE: 11:15Am
FACILITY NAME: SWBNO-Carrollton Water Plant PHONE #: 504 865 0550
LOCATION: 8800 S. Claiborne Ave. New Orleans, LA 70118
PARISH: Orleans
RECEIVING STREAM (BASIN/SUBSEGMENT):
MAILING ADDRESS: 8800 S Claiborne Ave. New Orleans LA 70118
(Street/P.O. Box) (City) (State) (Zip)
FACILITY REPRESENTATIVE: Corwin Washington TITLE: Environmental Pm.
FACILITY REPRESENTATIVE PHONE NUMBER: 504 930 7050
NAME, TITLE, ADDRESS and TELEPHONE of RESPONSIBLE OFFICIAL (if different from above):

INSPECTION TYPE: RCE Incident PROGRAM INVOLVED: AIR ☑ WASTE ☐ WATER ☐ OTHER:
INSPECTOR'S OBSERVATIONS: (e.g. AREAS AND EQUIPMENT INSPECTED, PROBLEMS, DEFICIENCIES, REMARKS, VERBAL COMMITMENTS FROM FACILITY REPRESENTATIVES)

Site visit in response to citizen complaint (T-207469) regarding turbines malfunctioning and "flinging" diesel on nearby neighborhood. Facility tour & walk around nearby properties conducted. Turbine #6 is Diesel operated, currently not operating. Last date of operation for T#6 was 3/05/2022. Turbine #5 is Natural gas operated & currently in operation. According to Sam Lewis Turbine Operator, T#6 has an oil leak in the unit that is causing small amounts of oil to be released via the stack. Stains/splatter of an oily substance was observed on the facility ground, nearby vehicles parked along Spruce St. between Eagle St.

AREAS OF CONCERN:

REGULATION	EXPLANATION	CORRECTED?
		YES ☐ NO ☐
		YES ☐ NO ☐

PHOTOS TAKEN: YES ☑ NO ☐ SAMPLES TAKEN: YES ☐ NO ☑ (Attach Chain-of-Custody)
RECEIVED BY SIGNATURE: Corwin L Washington
PRINT NAME: Corwin L Washington
(NOTE: SIGNATURE DOES NOT INDICATE AGREEMENT WITH INSPECTOR'S NOTES)

INSPECTOR(S): Jodi Hebert Robert Alford CROSS REFERENCE:
Tom Aguilard ATTACHMENTS:
REVIEWER: Holly Hermann

NOTE: The information contained on this form reflects only the preliminary observations of the inspector(s). It should not be interpreted as a final determination by the Department of Environmental Qua ity or any of its officers or personnel as to any matter, including, but not limited to, a determination of compliance or lack thereof by the facility operator with any 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#: T-207469 INSPECTION DATE: 3/04/2022

FACILITY NAME: SLXBOO - Carrollton

INSPECTOR OBSERVATIONS CONT'd:

And Florida St., on the ground (street) on Space St.

Run time hours, maintenance records, and additional information pertaining to the leak including repair time was requested.

3/4/2022

INITIALS OF RECEIPT

ATTACHMENT 2

Incident T-207469
(4 Pages)

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:	LA
Zip Code:	
Comments:	

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 Water 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.

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:	LA
Phone:	5049423856(Work phone number)
Parish:	
AI #:	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 a the earliest.
Directions for reaching the site:	

3/25/2022 11:14am voicemail left

3/31/2022 8:30am voicemail left

ATTACHMENT 3

Photographs
(7 Pages)

ATTACHMENT

Facility Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant AI: 5673

City: New Orleans Parish: Orleans Photographer: Jedi Holewka

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

Photo #: 1 of 13 Time: 10:14AM

Description: Turbine 5 stack, and residential homes on Spruce St. in the distance.

ATTACHMENT

Facility Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant AI: 5673

City: New Orleans Parish: Orleans Photographer: Jodi Holewka

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

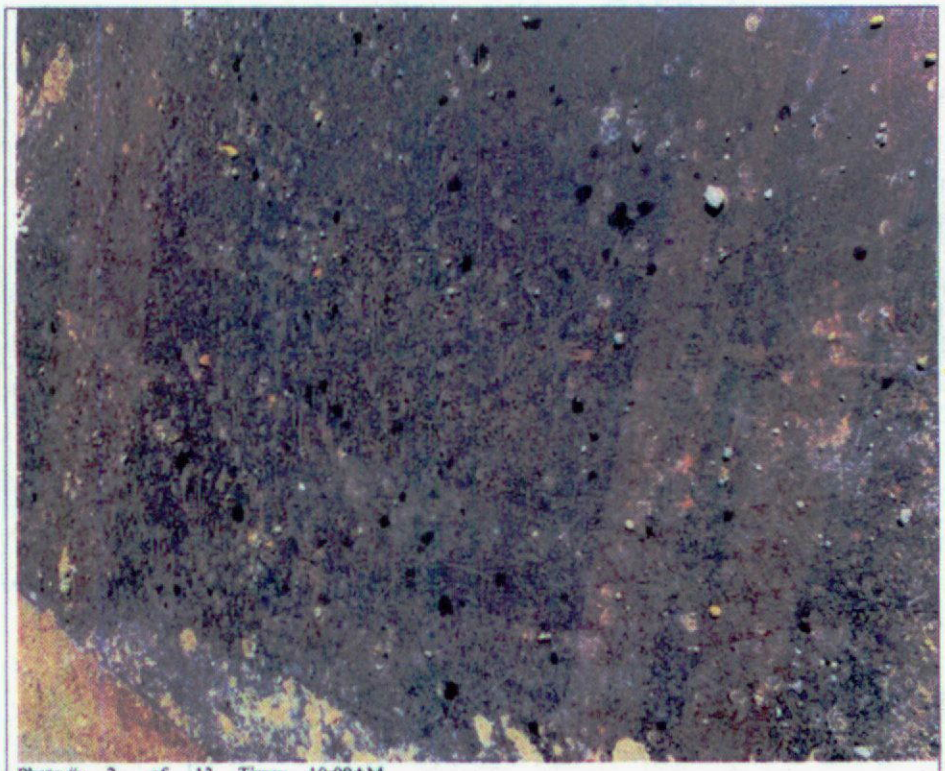

Photo #: 2 of 13 Time: 10:09AM

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.

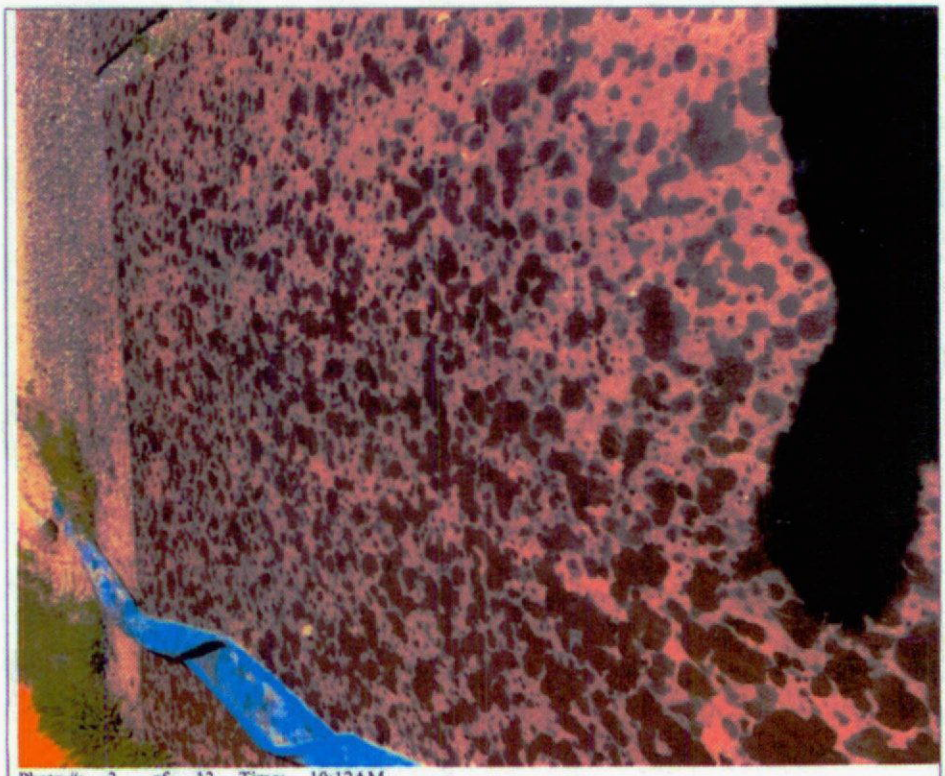

Photo #: 3 of 13 Time: 10:12AM

Description: Clear, oily (when touched) material observed splattered on concrete and metal surfaces on the facility's property near Turbine 5.

ATTACHMENT

Facility Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant AI: 5673

City: New Orleans Parish: Orleans Photographer: Jodi Holewka

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

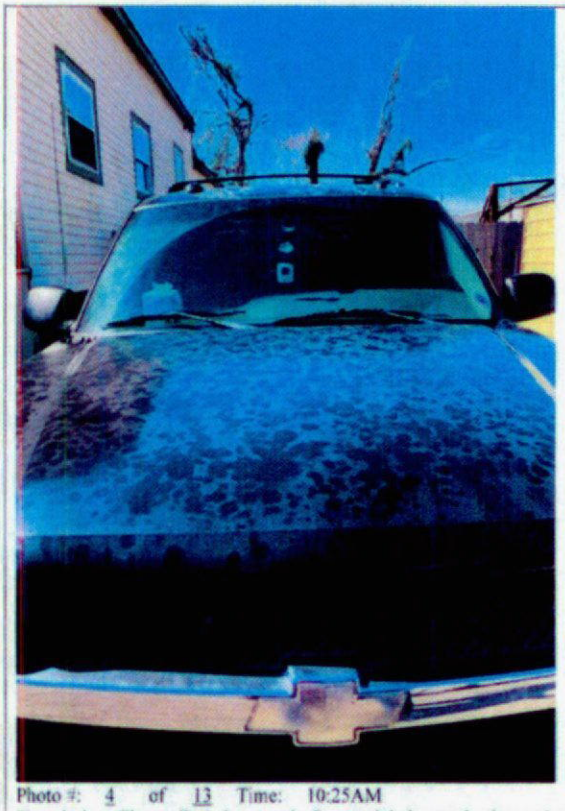

Photo #: 4 of 13 Time: 10:25AM

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

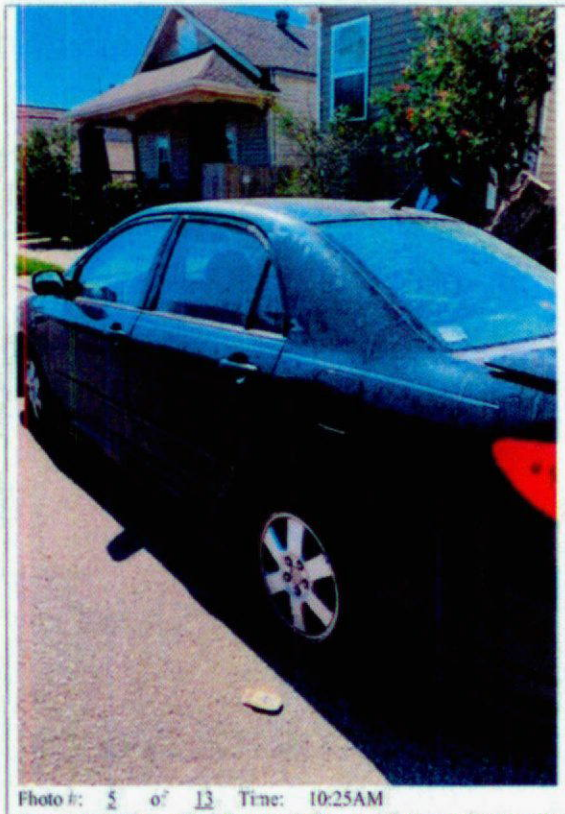

Photo #: 5 of 13 Time: 10:25AM

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

ATTACHMENT

Facility Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant AI: 5673

City: New Orleans Parish: Orleans Photographer: Jodi Holewka

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

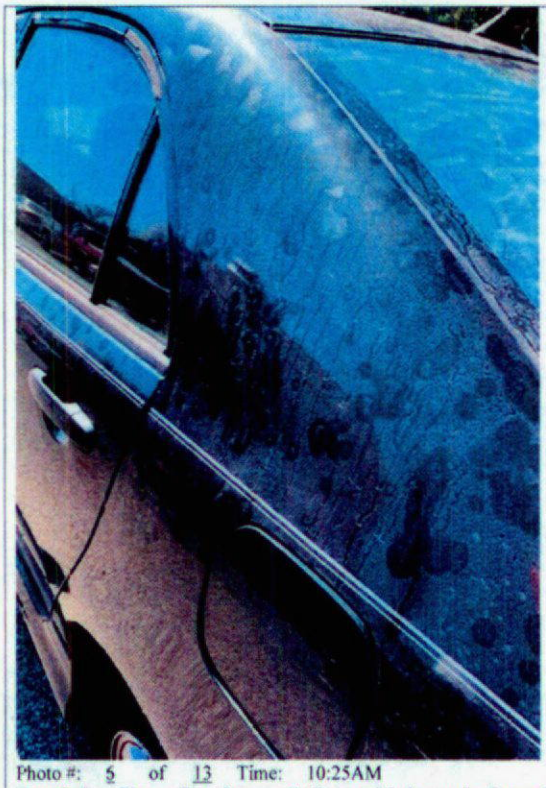

Photo #: 5 of 13 Time: 10:25AM

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

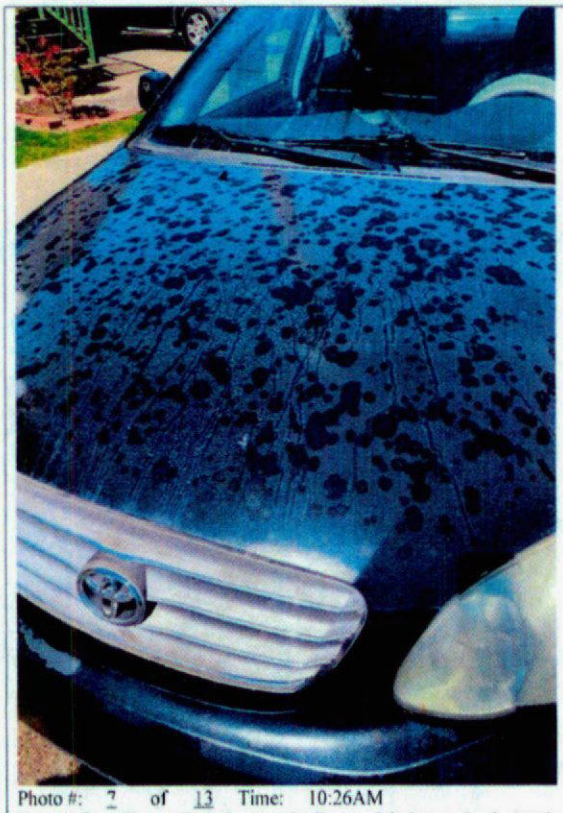

Photo #: 7 of 13 Time: 10:26AM

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

ATTACHMENT

Facility Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant AI: 5673

City: New Orleans Parish: Orleans Photographer: Jodi Holewka

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

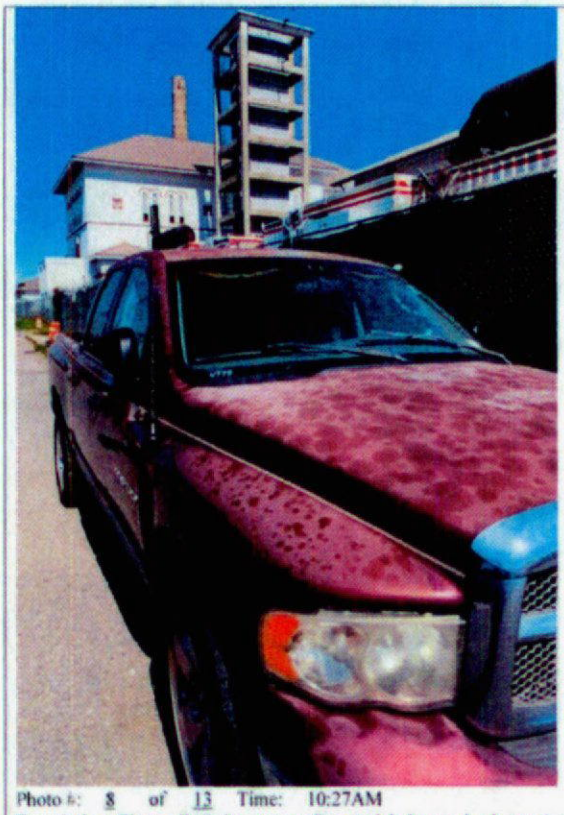

Photo #: 8 of 13 Time: 10:27AM

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.

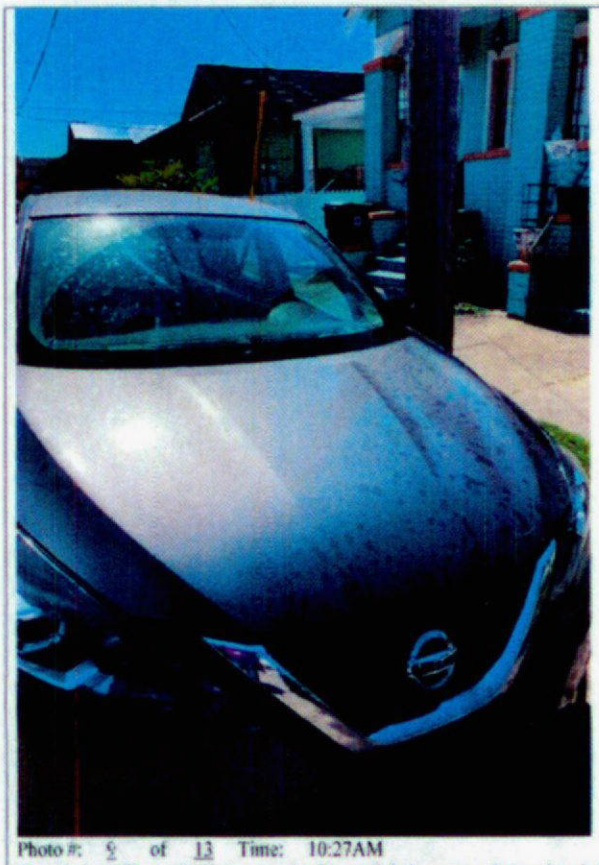

Photo #: 9 of 13 Time: 10:27AM

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

ATTACHMENT

Facility Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant AI: 5673

City: New Orleans Parish: Orleans Photographer: Jodi Holewka

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

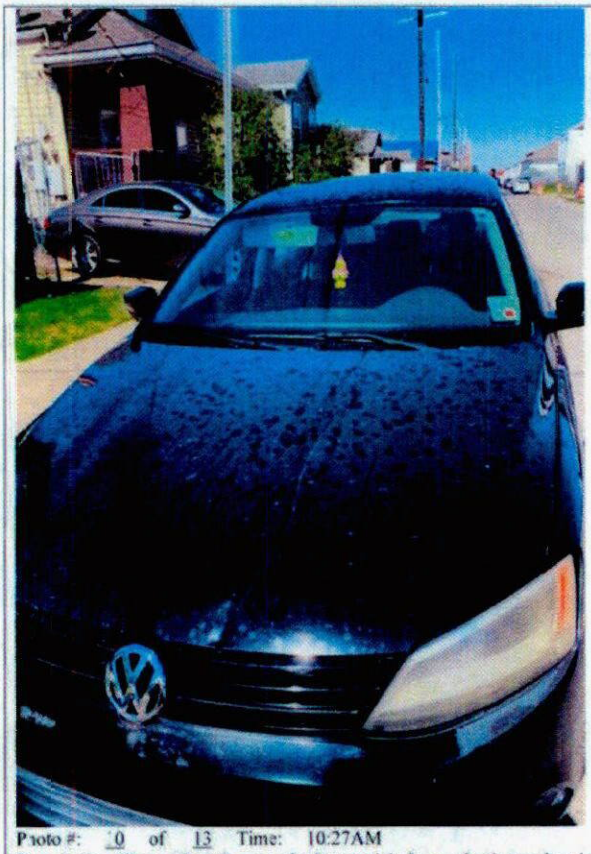

Photo #: 10 of 13 Time: 10:27AM

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

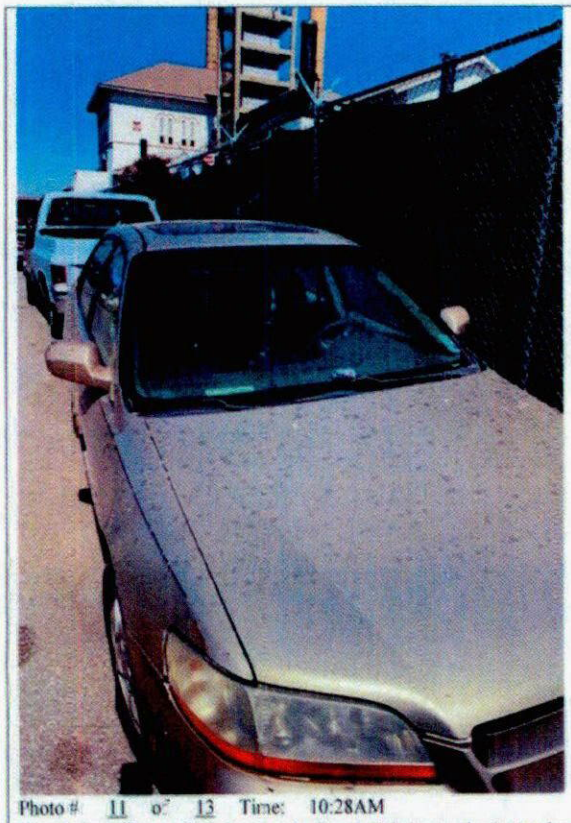

Photo #: 11 of 13 Time: 10:28AM

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.

ATTACHMENT

Facility Name: Sewerage & Water Board of New Orleans – Carrollton Water Purification Plant AI: 5673

City: New Orleans Parish: Orleans Photographer: Jodi Holewka

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

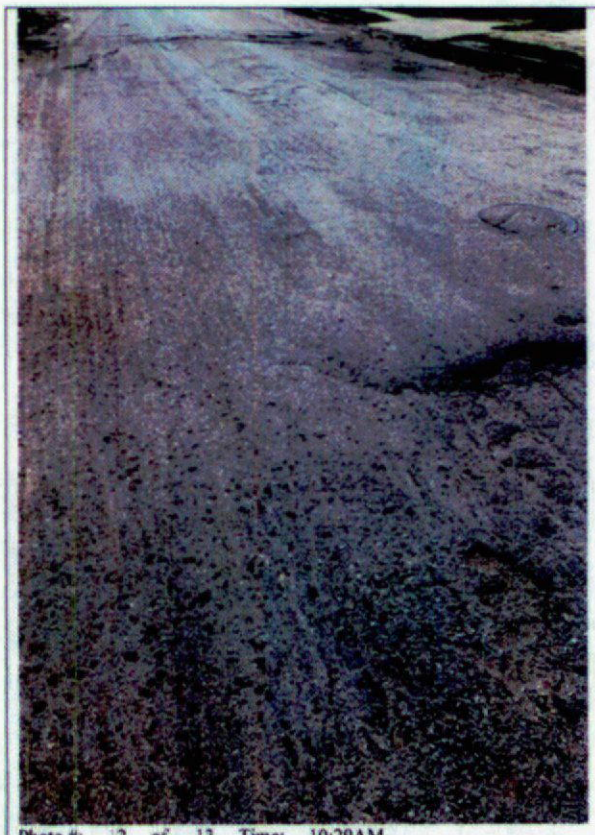

Photo #: 12 of 13 Time: 10:29AM

Description: Clear, oily material observed splattered on Spruce St. between Eagle St. and Leonidas St.

Photo #: 13 of 13 Time: 10:29AM

Description: Clear, oily material observed splattered on Spruce St. between Eagle St. and Leonidas St.

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

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

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)?
7. 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 <awilson2@swbno.org>
Sent: Friday, March 18, 2022 3:45 PM
To: Jodi Holewka <Jodi.Holewka@LA.GOV>; WASHINGTON, Corwin <cwashington3@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.

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 <awilson2@swbno.org>; WASHINGTON, Corwin <cwashington3@swbno.org>
Cc: Holly Herrmann <Holly.Herrmann@LA.GOV>
Subject: Action Plan Required!
Importance: High

==========
======== EXTERNAL EMAIL | USE CARE WITH LINKS AND ATTACHMENTS ========
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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
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 Digitally signed by Ann Wilson
DN: cn=Ann Wilson, o, ou, email=awilson2@swbno.org, c=US
Date: 2022.03.18 15:41:10 -05'00'

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

AW/CLW

AI No.: 5673
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

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

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 <awilliams2@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 <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 <awilliams2@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 <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 <awilliams2@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 <sfinney@swbno.org>
Sent: Friday, April 14, 2023 10:20 AM
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 <awilliams2@swbno.org>
Subject: RE: Questions Regarding LDEQ Complaint T213615

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)?

2. 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 12/29/22 11-7
(D.Peters, E.Easterling, O.Pilot, D.Millet, D.Jarreau)
EquipIn: #4 Turbine, Apump, #1-2S @ panola
#3, #4 @ claiborne
EquipOut: #2 @ panola, #1 @ claiborne
Bpump, #1 Turbine, #1 EMD
@5:16am mod. RAW In Area
* #5 Turbine oil level low
#5 Turbine on T-G. @ 5:19am

Thur 12-29-22 7.3shift
G.Alexander, G.Jones, A.Magee, R.Braud, R.Coleman

EquipIn: #4turbine, #5turbine T.G., Apump, #3-60cycle, #4-25cycle @chalb, #1-25cycle @ panola.

EquipOut: #1turbine, Bpump, #1pump @chalb #2-pump @panola. 1-EMD 0.0S

@7:00Am D. Dedmond call to say he will be Running Late.
@8:00 B.Poole G.Jackson put oil in #5turbine. off T.G. 0.0S P&P. Loto DC's

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 7-29-22

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 If Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N																							
1PM		3601	81	110	126	134	120		126	157	160		174		40	1/2	Y	185	2900				E. Easterling
2		3600	81	110	126	134	120		126	157	160		174		40	1/2	Y	185	4900				D. Peters
3		3609	83	110	128	134	120		126	158	160		174		40	1/2	Y	185	4800				E. Easterling
4		Stopped @ 3:52pm																					
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes: Started @ 12:50pm Flame on: @ 1:01pm Up to Speed @ 1:14pm Field @ 1:20pm
Broke field @ 3:52 Stopped #5 Turbine @ 3:52pm Flame out @ 3:55pm Do T.G. @ 4:14pm

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 7-29-22

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																									
1PM	580	580	577	581	585	466					426			85					23	152	62	31	54	55	E.E.
2	547	547	547	550	552	461					455			85					23	152	62	31	54	55	OP
3	548	548	546	551	550	462					454			86					23	152	62	31	54	55	E.E.
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes: _____

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 7/30/22

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(31)	Gear Brg. No.4 Temp	Generator Brg. Temp.(d)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add If Needed	Incoming Gas Press.	Tubing				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N																							
1PM		3609	84	118	140	156	129		140	163	163		183		45	1/2	Y	183	4300				D Peters
2		3615	84	118	140	156	129		140	163	163		183		45	1/2	Y	183	3400				D Peters
3		3629	84	118	140	156	129		140	163	163		183		45	1/2	Y	183	1400				D Peters
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes: @ 12:19pm #5 Turbine started @ 12:24pm Flame on @ 12:38pm up to speed @ 1:00pm Loaded @ 3:44pm #5 Turbine stopped @ 3:47 Flame out @ 3:56pm on T.G.

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 7/30/22

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																									
1PM	642	641	639	642	648	478					499			86					23	152	62	31	54	55	DP
2	610	611	610	614	617	480					507			86					23	152	62	31	54	55	DP
3	562	563	563	566	567	485					489			86					23	152	62	31	54	55	DP
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 8-10-22

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.(G)	Oil Tank Level	Oil Level OK to Add Oil Pump Yes / No - Add If Needed	Incoming Gas Press	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							E. Eastaling
5									126	157	160		172		40	1/2	Y	184	2800				
6		3619	79	110	126	135	120		126	157	160		172		40	1/2	Y	184	4000				C. Butler
7		3622	80	110	142	158	130		142	162	163		179		40	1/2	Yes	184	1000				
8		3647	82	116	143	161	130		144	162	164		183		40	1/2							
9		Stopped @ 8:15																					
10			Ran Load						12:09														
11										Flame @			12:20		Steady @			12:35					
12N		Steadied @ 12:20																					
1PM		3609	79	115	143	161	130		146	162	163		183		47	1/2	Y	184	2500				
2		3603	79	115	143	161	130		146	162	163		183		47	1/2	Y	184	4200				
3		3603	79	115	145	161	130		146	162	163		184		46	1/2	Y	184	1800				
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes: Started @ 6:00 am Flame on @ 6:00 am Up to Speed @ 6:10 am Load @ 6:23 am

Stopped #5 Turbine 8:15 AM C.B.

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 8-10-22

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6	600	599	595	598	603	467					442			80					23^{5}	151	64	31	54	54	E.E.
7	534	534	535	537	539	462					472			83					23^{5}	157	62	30^{5}	53^{5}	54	C.B.
8	534	534	535	537	539	462					472			83					23^{5}	157	62	30^{5}	53^{5}	54	C.B.
9																									
10		8:15 AM Stop #5																							
11																									
12N			Restart					12:30A																	
1PM	600	600	598	599	602	465					499								20^{5}	155	63	31	52	54	54
2																			23^{5}	155	62	31	52	54	54
3	528	528	530	530	536	464					491								23	154	63	31	52	58	Ye
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes: Started @ 6:00 am Flame on @ 6:00 am Up to Speed @ 6:10 am Load @ 6:23 am
Stopped #5 Turbine 8:15 AM C.B. @ 3:38 pm Stopped, @ 3:41 Flame out, @ 3:56 pm T.G.

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 8-16-22

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(s)	Oil Tank Level	Oil Level Oil In Aux. Oil Pump Yes/No Add If Needed	Incoming Gas Press.	Kilowatts				Reading Taken By.
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							E. Easterling
8		3600	88	105	120	127	116		125	155	156		168		40	1/2	Y	184					
9																							
10																							
11																							
12N																							
1PM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes: Started #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

Sewerage & Water Board of New Orleans

#5 Turbine Log

Date: 8-10-22

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9	512	512	511	514	516	457					355			86					22^{5}	150	66	31	53	55	E.E.
10																									
11																									
12N																									
1PM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes: Started #5 Turbine @ 7:43am. Flame on @ 7:48 am. Stopped #5 Turbine @ 7:53 am. Flame out @ 7:54am.
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 @ 8:57am. Field @ 9:00am Stopped @ 9:23 am Flame out @ 9:27am T.G. @ 9:35 am

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 8-18-22

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 (G)	Oil Tank Level	Oil Level OK In Aux. Oil Pump Vol. No Add'l Needed	Incoming Gas Press	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							E. Easterling
11		3600	79	110	122	131	126		120	155	156		170		40	1/2	y	184	1800				E. Easterling
12N		3600	78	110	122	132	128		120	155	158		172		40	1/2	y	184	2000				E. Easterling
1PM		3600	79	110	124	132	128		122	156	159		172		40	1/2	y	184	1400				E. Easterling
2		3600	86	115	142	160	130		142	162	164		180		40	1/2	y	184	1300				E. Easterling
3		3631	90	115	142	164	130		144	163	164		182		49	1/2	y	184	1500				JW
4		3631	90	115	142	164	130		143	162	164		182		49	1/2	y	184	1500				JW
5			Stopped @ 4:17 pm								TG @ 4:37												
6																							
7																							
8																							
9																							
10																							
11																							

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

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 8-18-22

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11	545	545	542	546	550	459					379			84					23⅝	151	62	30	54	54	E.E.
12N	546	546	543	545	549	458					400			85					23⅝	152	62	30	54	55	E.E.
1PM	546	547	544	545	548	457					387			85					23	152	62	30	54	55	E.E.
2	549	549	549	552	553	467					480			88					23	151	60	31	54	55	E.E.
3	553	554	554	557	559	471					485			89					22	150	60	31	53	54	E.E.
4	551	552	552	554	557	469					483			88					22	150	60	31	53	54	E.E.
5																									
6																									
7																									
8																									
9																									
10																									
11																									

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

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 8-19-22

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 Temp.	Gear Brg. No.4 Temp.	Generator Brg. Temp (2)	Oil Tank Level	Oil Level OK in Aux. Oil Pump Yes/No *Add If Needed*	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N																							
1PM																							
2																							
3			84	115	142	160	130		140	162	164		183		47	1/2	y	185	1500				
4			89	115	142	160	130		140	162	164		183		47	1/2	y	184	2100				
5			86	116	143	162	131		142	162	164		183		48	1/2	y	184	1900				
6			88	116	143	164	131		145	163	164		183		48	1/2	y	184	1900				
7																			~~1700~~				
8																							
9																							
10																							
11																							

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

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 8-19-22

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. Discharge 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 Discharge	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																									
1PM																									
2																									
3	546	547	548	550	552	463					466								22	149	60	51	53	57	
4	562	563	563	565	566	469					484								22	149	60	31	53	54	
5	560	560	561	564	565	467					484								22	148	60	31	53	54	
6	562	562	563	565	566	469					484								22	148	60	31	53	54	
7																									
8																									
9																									
10																									
11																									

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

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 8-26-22

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 If Needed	Incoming Gas Press.	**Kilowatts**				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N																							
1PM																							
2																							
3																							
4																							
5		3607	86	110	125	135	118		126	159	160		172		40	1/2	y	184	4500				E. Easterling
6		3608	86	110	125	130	118		126	159	160		172		40	1/2	y	184	4100				E. Easterling
7		3006	85	110	126	135	118		125	158	160		174		40	1/2	y	184	4300				E. Easterling
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
10		3006	85	110	126	130	117		124	159	162		174		40	1/2	y	184	4900				E. Easterling
11		3606	85	110	126	136	117		124	159	162		174		40	1/2	y	184	4700				GT

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 8-26-22

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																									
1PM																									
2																									
3																									
4																									
5	609	609	606	609	614	472					410			84					23[5]	152	67	31	52	54	E.E.
6	609	609	607	609	613	473					411			85					23[5]	152	67	31	52	54	E.E.
7	608	608	607	608	612	472					411			85					23[5]	152	65	31	52	54	E.E.
8	608	608	606	609	612	471					410			86					23[5]	152	65	31	52	54	E.E.
9	609	609	607	608	610	474					411			85					23[5]	154	65	31	52	55	E.E.
10	608	608	606	609	610	472					410			86					23	152	64	31	52	53	E.E.
11	608	608	607	611	612	469					518			86					22	152	64	31	52	53	55

General Notes: Started #5 TURBINE @ 4:54pm. Flame on @ 4:58pm. Up to Speed @ 5:10pm. Field @ 5:20pm.

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 8-27-22

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 if Needed*	Incoming Gas Press.	**Kilowatts**				Reading Taken By:
12M		3606	85	110	126	136	117		124	159	162		174		40	1/2	Y	184	4700				GJ
1AM		3612	85	110	126	136	117		124	160	162		180		40	1/2	Y	184	4200				GJ
2		3612	85	110	126	136	117		125	160	162		180		40	1/2	Y	184	4200				GJ
3		3612	85	110	126	136	117		125	160	162		180		40	1/2	Y	184	4200				GJ
4		3613	81	110	142	160	122		140	159	162		180		40	1/2	Y	184	4300				GJ
5		3613	81	110	142	160	122		140	159	162		180		40	1/2	Y	184	4300				GJ
6		3613	81	110	142	160	122		140	159	162		180		40	1/2	Y	184	4300				GJ
7		3612	89	110	142	160	122		140	160	162		180		40	1/2	Y	184	4400				TG
8		3612	89	110	142	160	122		140	160	162		180		40	1/2	Y	184	4400				[illegible]
9		3612	89	110	142	160	122		140	160	162		180		40	1/2	Y	184	4400				[illegible]
10		3602	90	110	142	160	122		140	160	162		180		40	1/2	Y	184	5000				[illegible]
11		3602	90	110	142	160	122		140	160	162		180		40	1/2	Y	184	5300				[illegible]
12N																							[illegible]
1PM																							[illegible]
2																							[illegible]
3																							[illegible]
4			@	4:40	Stopped	#5	turbine																[illegible]
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes: Did'nt take Reading do to start of #4 turbine

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 8-27-22

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	
12M	608	608	606	609	610	472					410			86					23	152	64	31	52	53	GJ
1AM	610	610	608	607	609	462					410			87					23	152	64	31	52	53	GJ
2	610	610	608	607	609	462					410			87					23	152	64	31	52	53	GJ
3	610	610	608	607	609	462					416			87					23	152	64	31	52	53	GJ
4	609	607	606	610	615	468					518			94					23	152	64	31	54	54	GJ
5	607	607	606	610	615	468					518			84					23	152	64	31	54	54	GJ
6	607	607	606	610	615	468					518			84					23	152	64	31	54	54	GJ
7	619	619	618	623	627	474					510								23	152	64	30	54	54	LA
8	619	619	618	623	627	474					510								23	152	64	30	54	54	LA
9	619	619	618	623	627	474					510								23	152	64	30	54	54	LA
10	657	657	656	660	666	476					511								23	152	64	30	54	54	LA
11	657	657	656	660	666	476					511								23	152	64	30	54	54	LA
12N																									
1PM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 8.31.22

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 if Needed*	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7		@ 7:55 Started							@ 8:04 Flame					@ 8:17 Up to speed									
8																							
9		3500	89	100	139	159	122		140	162	160		182		46	3/8	Yes	184	1700				Hg
10		3500	89	100	139	159	122		140	162	160		182		46	3/8	Yes	189	9700				No
11		@ 10:58 Am Stopped							@ 11:00 Am				Flame		out.								
12N																							
1PM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 8.31.22

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																			25	155	52	30	53	55	No
9	633	635	633	637	642	475					507								25	155	52	30	53	55	
10	516	516	517	519	520	459					488														
11																									
12N																									
1PM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: ~~9/1~~ 9/3/22

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 if Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N			83	110	137	156	123	–	137	162	160	–		180	45	3/8	Y	185	6200				SM
1PM			100	110	140	160	124	–	140	162	160	–		180	45	3/8	Y	184	6000				SM
2			100	110	142	160	124	–	140	161	160	–		180	45	3/8	Y	184	4800				SM
3		3500	76	100	140	160	124	–	140	162	158	–	180	–	45	3/8	Yes	184	1000				Ka
4		3550	76	100	140	160	124	–	140	162	158	–	180	–	45	3/8	Yes	184	1100				Ka
5		3600	76	100	140	160	124	–	140	162	158	–	180	–	45	3/8	Yes	184	9000				Ka
6		3600	80	100	140	160	124	–	140	162	158	–	180	–	45	3/8	Yes	184	5300				Ka
7		3600	80	100	140	160	124	–	140	162	158	–	180	–	45	3/8	Yes	184	5000				Ka
8		3600	80	100	140	160	124	–	140	162	158	–	180	–	45	3/8	Yes	184	4000				Ka
9		3600	80	100	140	160	124	–	140	162	158	–	180	–	45	3/8	Yes	184	3800				Ka
10		3600	80	100	140	160	124	–	140	162	158	–	180	–	45	3/8	Yes	184	3500				DP
11		3620	80	110	140	160	124	–	140	162	158	–	180	–	45	3/8	Yes	184	3500				

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 9/3/22

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11		Start 10:30						Flame 10:42					Speed 10:54					Load 11:01							
12N	715	716	714	712	474	490	–	–	–	–	580	–	–	–	–	–			24	152	66	30	55		54
1PM	699	698	698	699	469	483	–	–	–	–	542								24½	154	66	30	57		57
2	628	628	627	631	655	474	–	–	–	–	533								24½	152	66	30	55		55
3	628	628	627	631	655	474					530								24	152	68	30	54	55	
4	785	786	776	773	771	477					530								24	152	68	30	54	55	
5	636	636	635	638	644	474					518								24	152	68	30	54	55	
6	636	636	635	638	644	474					518								24	152	68	30	54	55	
7	636	636	635	638	644	474					518								24	152	68	30	54	55	
8	636	636	635	638	644	469					506								24	152	68	30	54	55	
9	604	604	604	608	611	469					506								24	152	68	30	54	55	
10	604	601	604	608	611	469					506								24	152	68	30	54	55	
11	593	594	592	598	600	465					511								24	152	68	30	54	55	DP

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 9/4/22

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(31)	Gear Brg. No.4 Temp	Generator Brg. Temp.(6)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add if Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3620	80	110	140	160	124	—	140	162	158	—	180	—	45	3/8	Yes	184	3500				D.Peters
1AM		3620	80	110	140	160	124	—	140	162	158	—	180	—	45	3/8	Yes	184	3500				D.Peters
2		3619	80	110	140	160	124	—	140	162	158	—	180	—	45	3/8	Yes	184	3600				D.Peters
3		3619	80	110	140	160	124	—	140	162	158	—	180	—	45	3/8	Yes	184	3600				D.Peters
4		3619	80	110	140	160	124	—	140	162	158	—	180	—	45	3/8	Yes	184	3500				D.Peters
5		3619	80	110	140	160	124	—	140	162	158	—	180	—	45	3/8	Yes	184	3600				D.Peters
6		3619	80	110	140	160	124	—	140	162	158	—	180	—	45	3/8	Yes	184	3600				D.Peters
7	—	3612	83	110	140	160	124	—	140	162	160	—	180	—	45	3/8	yes	184	4600	—	—	—	C.Butler
8	—	3612	83	110	140	160	124	—	140	162	160	—	180	—	45	3/8	yes	184	4600	—	—	—	C.Butler
9	—	3613	83	110	140	160	124	—	140	162	160	—	180	—	45	3/8	yes	184	4500	—	—	—	C.Butler
10	—	3615	83	110	140	160	124	—	140	162	160	—	180	—	45	3/8	yes	184	4200	—	—	—	C.Butler
11	—	3617	86	110	140	160	124	—	142	162	161	—	182	—	45	3/8	yes	184	3700	—	—	—	C.Butler
12N	—	3617	86	110	140	160	124	—	142	162	161	—	182	—	45	3/8	yes	184	3700	—	—	—	C.Butler
1PM	—	3621	86	110	140	160	124	—	142	162	161	—	182	—	45	3/8	yes	184	3200	—	—	—	C.Butler
2	—	3610	86	110	140	160	124	—	142	162	161	—	182	—	45	3/8	Yes	183	4700	—	—	—	C.Butler
3		3600	88	110	140	160	124	—	142	162	160	—	182	—	45	3/8	Yes	185	3600	—	—	—	No
4		3600	88	110	140	160	124	—	142	162	160	—	182	—	45	3/8	Yes	185	2600	—	—	—	No
5		3600	88	110	140	160	124	—	142	162	160	—	182	—	45	3/8	Yes	183	2000	—	—	—	No
6		3600	84	100	140	160	124	—	142	162	160	—	182	—	45	3/8	Yes	184	3000	—	—	—	No
7		3600	84	100	140	160	124	—	142	162	160	—	182	—	45	3/8	Yes	184	3200	—	—	—	No
8		3600	84	100	140	160	124	—	142	162	160	—	182	—	45	3/8	Yes	184	3000	—	—	—	No
9		3600	84	100	140	160	124	—	142	162	160	—	182	—	45	3/8	Yes	184	2800	—	—	—	No
10		3600	84	100	140	160	124	—	142	162	160	—	182	—	45	3/8	Yes	184	2800	—	—	—	No
11		3623	82	100	140	160	124	—	142	162	165	—	184	—	45	3/8	Yes	185	2900	—	—	—	a R

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 9/4/22

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	
12M	592	593	593	597	599	467	—	—	—	—	510	—	—	—	—	—	—	—	24	152	68	30	54	55	D.P.
1AM	593	594	594	598	600	467	—	—	—	—	510	—	—	—	—	—	—	—	24	152	68	30	54	55	D.P.
2	596	596	596	600	602	468	—	—	—	—	512	—	—	—	—	—	—	—	24	152	68	30	54	55	D.P.
3	596	596	596	599	600	468	—	—	—	—	512	—	—	—	—	—	—	—	24	152	68	30	54	55	D.P.
4	593	593	593	596	600	468	—	—	—	—	511	—	—	—	—	—	—	—	24	152	68	30	54	55	D.P.
5	593	593	593	597	600	466	—	—	—	—	510	—	—	—	—	—	—	—	24	152	68	30	54	55	D.P.
6	594	595	594	598	601	467	—	—	—	—	511	—	—	—	—	—	—	—	24	152	68	30	54	55	D.P.
7	616	616	615	619	624	469	—	—	—	—	523	—	—	—	—	—	—	—	24	155	69	30	53	54	C.B.
8	616	616	615	619	624	469	—	—	—	—	523	—	—	—	—	—	—	—	24	155	69	30	53	54	C.B.
9	622	622	622	626	630	471	—	—	—	—	534	—	—	—	—	—	—	—	24	155	69	30	53	54	C.B.
10	606	606	605	609	611	470	—	—	—	—	519	—	—	—	—	—	—	—	24	155	69	30	53	54	C.B.
11	603	604	603	607	610	472	—	—	—	—	519	—	—	—	—	—	—	—	24	157	64	30	53	54	C.B.
12N	603	604	603	607	610	472	—	—	—	—	519	—	—	—	—	—	—	—	24	157	64	30	53	54	C.B.
1PM	594	595	595	599	601	473	—	—	—	—	514	—	—	—	—	—	—	—	24	157	64	30	53	54	C.B.
2	630	630	628	631	636	477	—	—	—	—	527	—	—	—	—	—	—	—	24	157	64	30	53	54	C.B.
3	578	578	579	582	584	469					503								24	157	64	30	54	54	
4	578	578	579	582	584	469					503								24	157	64	30	54	54	
5	578	578	579	583	584	469					503								24	157	64	30	54	54	
6	588	588	589	592	594	469					506								24	157	64	30	54	54	
7	588	588	589	592	594	469					506								24	157	64	30	54	54	
8	584	588	589	592	594	469					502								24	157	64	30	54	54	
9	579	579	580	583	585	467					502								24	157	64	30	54	54	
10	579	579	580	583	585	467					502								24	157	64	30	54	54	
11	579	579	580	584	586	466					507			85					24	155	62	30	54	54	C.O

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 9-5-22

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(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:
12M		3623	81	108	140	160	124	—	142	162	165	—	184	—	45	3/8	yes	185	2800				a L
1AM		3622	81	108	140	166	124	—	142	162	162	—	184	—	45	3/8	yes	185	3000				a L
2		3622	81	108	140	160	124	—	142	162	162	—	184	—	45	3/8	yes	184	3000				a L
3		3623	81	108	140	160	124	—	142	162	162	—	184	—	45	3/8	yes	185	3000				a L
4		3623	81	108	140	160	124	—	142	162	162	—	184	—	45	3/8	yes	185	3000				a L
5		3621	81	106	140	160	124	—	140	162	161	—	183	—	45	3/8	yes	184	3000				a L
6		3621	81	106	140	160	124	—	140	162	161	—	183	—	45	3/8	yes	184	3160				
7		3621	82	110	140	160	125	—	140	162	161	—	182	—	45	3/8	y	185	3700	—	—	—	
8	—	3604	84	110	140	159	124	—	142	162	160	—	182	—	45	3/8	yes	184	5500	—	—	—	C. Butler
9	—	3619	86	110	140	159	124	—	142	162	160	—	182	—	45	3/8	yes	184	3400	—	—	—	C. Butler
10	—	3621	86	110	140	160	124	—	142	162	162	—	182	—	45	3/8	yes	184	3300	—	—	—	C. Butler
11	—	3623	86	110	140	160	124	—	142	162	162	—	182	—	45	3/8	yes	184	2900	—	—	—	C. Butler
12N	—	3623	87	110	140	160	124	—	142	162	162	—	182	—	45	3/8	yes	184	2900	—	—	—	C. Butler
1PM	—	3623	90	110	140	160	124	—	142	162	162	—	183	—	45	3/8	yes	184	2900	—	—	—	C. Butler
2	—	3623	90	110	140	160	124	—	142	162	162	—	183	—	45	3/8	yes	184	2800	—	—	—	C. Butler
3	—	3600	90	100	140	160	124	—	142	162	162	—	183	—	45	3/8	Yes	184	2800	—	—	—	[illegible]
4	—	3600	90	100	140	160	124	—	142	162	162	—	183	—	45	3/8	Yes	184	2700	—	—	—	[illegible]
5	—	3600	88	100	140	160	124	—	142	162	162	—	183	—	45	3/8	Yes	184	2700	—	—	—	[illegible]
6	—	3600	88	100	140	160	124	—	142	162	162	—	183	—	45	3/8	Yes	184	2700	—	—	—	[illegible]
7	—	3600	88	100	140	160	124	—	142	162	164	—	183	—	45	3/8	Yes	184	2800	—	—	—	[illegible]
8	—	3600	88	100	140	160	124	—	142	162	164	—	183	—	45	3/8	Yes	185	2800	—	—	—	[illegible]
9	—	3600	84	100	140	160	124	—	142	162	164	—	183	—	45	3/8	Yes	185	3100	—	—	—	[illegible]
10	—	3600	84	100	140	160	124	—	142	162	164	—	183	—	45	3/8	Yes	185	3100	—	—	—	[illegible]
11		3613	83	108	140	160	124	—	142	162	164	—	183	—	45	3/8	Yes	184	2800	—	—	—	a L

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 9-5-22

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 Temp.	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	578	578	579	582	584	467	[illegible]				561	3		85					24	155	62	30	54	54	C. [illegible]
1AM	579	580	580	583	585	467					561			84					24	155	62	30	54	54	C.D.
2	581	581	582	585	587	467					567			84					24	155	62	30	54	54	C.D.
3	580	580	581	584	587	466					507			84					24	157	62	30	54	55	C.D.
4	577	577	578	581	584	464					502			83					24	157	62	30	54	55	C.D.
5	579	580	580	583	586	465					502			87					24	157	62	30	54	55	C.D.
6	583	583	584	587	589	466					504			87					24	157	62	30	54	55	C.D.
7	584	585	585	589	591	466	—	—	—	—	505	—	—	83	—	—	—	—	24	153	62	30	53	55	[illegible]
8	615	615	614	618	624	473	—	—	—	—	523	—	—	84	—	—	—	—	24	155	64	30.5	53.5	54	C.B.
9	594	595	595	598	601	470	—	—	—	—	513	—	—	84	—	—	—	—	24	155	64	30.5	53.5	54	C.B.
10	594	594	594	598	600	472	—	—	—	—	512	—	—	86	—	—	—	—	24	155	62	30.5	53.5	54	C.B.
11	587	588	588	591	594	473	—	—	—	—	509	—	—	87	—	—	—	—	24	155	62	30.5	53.5	54	C.B.
12N	588	588	589	592	594	473	—	—	—	—	509	—	—	87	—	—	—	—	24	155	62	30.5	53.5	54	C.B.
1PM	588	588	589	592	594	473	—	—	—	—	509	—	—	91	—	—	—	—	24	155	62	30.5	53.5	54	C.B.
2	590	591	591	594	596	475	—	—	—	—	511	—	—	92	—	—	—	—	24	155	62	30.5	53.5	54	C.B.
3	584	584	585	589	592	575					511			92					24	155	62	30	53	54	[illegible]
4	584	584	585	589	592	575					511			92					24	155	62	30	53	54	[illegible]
5	580	580	582	586	590	570					506			90					24	155	62	30	53	54	[illegible]
6	580	580	582	586	590	570					506			90					24	155	62	30	53	54	[illegible]
7	582	582	584	589	592	568					506			90					24	155	62	30	53	54	[illegible]
8	582	582	584	589	592	568					506			90					24	155	62	30	53	54	[illegible]
9	589	589	590	593	595	469					506			89					24	155	62	30	53	54	[illegible]
10	589	589	590	593	595	469					506			88					24	155	62	30	53	54	[illegible]
11	579	579	580	583	584	465					502			88					24	155	62	30	54	55	C.D.

General Notes: _____

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 9-6-22

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 if Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3613	84	108	140	160	126	—	142	162	162	—	183	—	45	3/8	Yes	184	2800				a R
1AM		3612	84	108	140	160	126	—	142	162	162	—	187	—	45	3/8	Yes	185	2900				a R
2		3612	84	108	140	160	126	—	142	162	162	—	183	—	45	3/8	Yes	185	2900				a R
3		3613	84	108	140	160	126	—	142	162	162	—	187	—	45	3/8	Yes	184	2800				a R
4		3612	83	108	140	160	126	—	142	162	162	—	187	—	45	3/8	Yes	184	2900				a R
5		3612	82	108	140	160	126	—	142	162	162	—	183	—	45	3/8	Yes	184	3000				a R
6		3615	82	106	140	160	126	—	142	162	162	—	187	—	45	3/8	Yes	184	2600				a R
7	—	3611	82	112	142	159	125	—	142	162	161	—	182	—	45	3/8	Yes	184	3100	—	—	—	C. Butler
8	—	3611	82	112	142	159	125	—	142	162	161	—	182	—	45	3/8	Yes	185	3100	—	—	—	C. Butler
9	—	3600	85	112	142	159	125	—	142	162	161	—	182	—	45	3/8	Yes	184	4700	—	—	—	C. Butler
10	—	3620	86	112	142	159	125	—	142	162	161	—	182	—	45	3/8	Yes	184	4600	—	—	—	C. Butler
11	—	3613	86	112	142	160	126	—	142	162	161	—	182	—	45	3/8	Yes	184	4400	—	—	—	C. Butler
12N	—	3613	87	112	142	160	126	—	142	162	161	—	182	—	45	3/8	Yes	186	4400	—	—	—	C. Butler
1PM	—				12:30pm Stop #5 Turbine							—		—						—	—	—	C. Butler
2	—							—				—		—						—	—	—	
3																							
4																							
5																							
6																							
7																							
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10																							
11																							

General Notes: _____

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 9-6-22

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 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	579	579	580	583	585	466					502			87					24	155	62	30	54	55	C.D.
1AM	582	582	583	586	588	466					502			86					24	155	60	30	54	55	C.D
2	580	580	581	584	586	465					501			86					24	155	60	30	54	55	C.D
3	577	577	578	581	583	464					500			86					24	155	61	30	54	55	C.D.
4	577	577	578	581	583	464					500			86					24	155	61	30	54	55	C.D
5	580	580	580	584	586	465					501			86					24	155	61	30	54	55	C.D
6	570	571	570	574	575	467					497			86					24	155	61	30	54	55	C.D.
7	582	582	583	586	588	465	—	—	—	—	501	—	—	85	—	—	—	—	24	155	62	30S	53S	54S	C.B.
8	582	582	583	586	588	465	—	—	—	—	501	—	—	85	—	—	—	—	24	155	62	30S	53S	54S	C.B.
9	625	625	624	628	633	472	—	—	—	—	528	—	—	88	—	—	—	—	24	155	62	30S	53S	54S	C.B.
10	623	623	623	627	632	473	—	—	—	—	529	—	—	88	—	—	—	—	24	155	62	30S	53S	54S	C.B.
11	617	617	617	621	625	473	—	—	—	—	526	—	—	89	—	—	—	—	24	155	62	30S	53S	54S	C.B.
12N	619	619	619	623	627	474	—	—	—	—	527	—	—	89	—	—	—	—	24	155	62	30S	53S	54S	C.B.
1PM						12:2	Dpm	Stop	S	Turbine	—	—			—	—	—	—							C.B.
2							—	—	—	—		—	—		—	—	—	—							C.B.
3																									
4																									
5																									
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General Notes: _____

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 9-7-22

	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.(G)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - *Add if Needed*	Incoming Gas Press.	**Kilowatts**				Reading Taken By:
11 pm	12M		3630	74	108	140	160	128	—	142	165	165	—	183	—	45	7 1/8	Y/N	184	2400				a k
12 am	1AM		3637	76	168	140	160	128	—	142	165	165	—	187	—	45	7 1/8	Y/N	185	2000				a k
	2																							
	3																							
	4																							
	5																							
	6																							
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	9																							
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	11																							
	12N																							
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	2																							
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	10																							
	11																							

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 9-8-22

	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 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	
11 PM	12M	568	569	569	572	574	459					478			81					24	155	62	30	54	55	C.D.
12 AM	1AM	548	549	549	552	554	458					480			81					24	155	62	30	54	54	C.D.
	2																									
	3																									
	4																									
	5																									
	6																									
	7																									
	8																									
	9																									
	10																									
	11																									
	12N																									
	1PM																									
	2																									
	3																									
	4																									
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	6																									
	7																									
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	9																									
	10																									
	11																									

General Notes: _____

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 10/4/22

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 if Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N																							
1PM		3600	88	110	131	149	118		134	162	160		178		40	1/4	Y	181	4400				E. Easterling
2		3602	89	110	131	149	119		134	163	160		178		40	1/4	Y	182	4500				E. Easterling
3		3613	84	110	137	148	122		140	162	162		180		42	1/4	Y	182	4400				See
4		3612	84	110	137	158	120		140	163	162		180		42	1/4	Yes	182	4500				C. Buttler
5		3614	84	110	137	158	120		140	163	162		180		42	1/4	Yes	182	4400				C. Buttler
6		3614	84	110	137	158	120		140	163	162		180		42	1/4	Yes	182	4400				C. Buttler
7		3613	79	110	137	159	120		141	162	162		180		42	1/4	yes	183	4400				C. Buttler
8		3613	79	110	137	159	120		141	162	162		180		42	1/4	yes	183	4400				C. Buttler
9		3615	79	110	137	159	120		141	162	162		180		42	1/4	Yes	183	4400				C. Buttler
10		3615	79	110	137	159	120		141	162	162		180		42	1/4	Yes	183	4400				C. Buttler
11		3615	76	110	137	159	120		140	162	160		180		42	1/4	Yes	183	4500				

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

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 10/4/22

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																									
1PM	617	617	616	619	624	476					463			82					23.5	151	63	31	53	54	E.E.
2	619	619	618	618	623	477					462			83					23.5	152	63	31	53	54	E.E.
3	615	615	614	618	622	473					514			83					24	154	63	30.5	53	54	S
4	616	616	615	619	623	473					523			86					24	155	64	30.5	53	54.5	C.B.
5	616	616	615	619	623	473					524			86					24	155	64	30.5	53	54.5	C.B.
6	610	610	610	613	618	472					526			86					24	155	64	30.5	53	54.5	C.B.
7	608	608	607	611	616	469					525			86					24	155	64	30.5	53	54.5	C.B.
8	608	608	607	611	616	469					525			86					24	155	64	30.5	53	54.5	C.B.
9	600	600	600	604	608	467					521			87					24	155	64	30.5	53	54.5	C.B.
10	600	600	600	604	608	467					521			87					24	155	64	30	53	54	
11	601	601	600	604	608	466					515			87											

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

Side One

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 10.5.22

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(DE)	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		3600	76	110	137	159	120		140	162	160	✓	180		42	1/4	Yes	183	<4500				Reg
1AM		3600	76	110	138	160	120		140	162	160		180		42	1/4	Yes	185	4500				Reg
2		3600	76	110	138	160	120		140	162	160		180		42	1/4	Yes	183	4500				Reg
3		3600	76	96	138	160	120		140	162	160		180		42	1/4	Yes	183	4400				Reg
4		3600	72	96	138	160	120		140	162	160		180		42	1/4	Yes	183	4400				Reg
5		3600	72	96	138	160	120		140	162	160		180		42	1/4	Yes	183	4400				Reg
6		3600	72	96	138	160	120		140	162	160		180		42	1/4	Yes	183	4400				Reg
7		3612	76	110	138	160	120		140	162	160		180		42	1/4	Yes	183	4600				DP
8		3612	76	110	138	160	120		140	162	160		180		42	1/4	Yes	183	4600				DP
9		3612	78	110	138	160	120		140	162	160		180		42	1/4	Yes	183	4600				DP
10		3612	80	110	138	160	120		140	162	160		180		42	1/4	Yes	183	5100				DP
11		3608	80	110	138	160	120		140	162	160		180		42	1/4	Yes	183	5100				DP
12N		3605	80	110	138	160	120		140	162	160		180		42	1/4	Yes	183	5700				DP
1PM		3605	80	110	138	160	120		140	162	160		180		42	1/4	Yes	183	5600				DP
2		3605	80	110	138	160	120		141	162	161	—	180		42	1/4	Y	182	4100	—	—	—	C. Butler
3		3618	86	110	137	160	122		140	162	161	—	180		42	1/4	Yes	183	4000	—	—	—	C. Butler
4		3618	87	110	137	159	120		140	162	161	—	180		42	1/4	Yes	183	3900	—	—	—	C. Butler
5		3618	87	110	137	159	120		140	162	161	—	180		42	1/4	yes	183	4200	—	—	—	C. Butler
6		3617	88	110	137	159	120		140	162	161	—	180		42	1/4	yes	183	4200	—	—	—	C. Butler
7		3616	88	110	137	159	120		140	162	161	—	180		42	1/4	Yes	183	4300	—	—	—	C. Butler
8		3616	88	110	137	159	120		140	162	161	—	180		42	1/4	yes	183	4700	—	—	—	C. Butler
9		3613	88	110	137	159	120		140	162	161	—	180		42	1/4	Yes	183	4700	—	—	—	C. Butler
10		3613	88	110	137	159	120		140	162	160	—	180		42	1/2	Yes	183	4500	—	—	—	
11		3600	86	110	137	160	120		140	162	160	—	180		42	1/2	Yes	183	4500	—	—	—	

General Notes:

Side Two

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 10.5.22

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 Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
12M	601	601	600	604	608	466					515			87					24	155	67	30	53	54	Ha
1AM	601	601	600	604	608	466					515			87					24	155	69	30	53	54	Ha
2	600	600	598	602	606	462					510			87					24	155	69	30	53	54	Ha
3	600	600	598	602	606	462					510			87					24	155	69	30	53	54	Ha
4	600	600	598	602	606	462					510			87					24	155	69	30	53	54	Ha
5	590	590	589	598	603	460					509			87					24	155	69	30	53	54	Ha
6	590	590	589	598	603	460					509			87					24	155	69	30	53	54	Ha
7	600	600	600	604	606	464					521			87					24	155	69	30	53	54	Ha
8	604	604	604	607	611	464					521			87					24	155	68	30	53	54	DP
9	606	606	605	608	613	467					522			87					24	155	68	30	53	54	DP
10	606	606	606	609	613	467					522			87					24	155	68	30	53	54	DP
11	628	628	626	629	634	476					534			87					24	155	68	30	53	54	DP
12N	645	645	644	647	651	478					547			87					24	155	68	30	53	54	DP
1PM	645	645	644	647	652	478					551			87					24	155	68	30	53	54	DP
2	648	648	646	650	655	480					552			87					24	155	68	30	53	54	DP
3	611	611	611	615	619	475					503			87					24	155	68	30	53	54	
4	607	607	607	611	614	476					529			87					24	155	69	30	53	54	Jm
5	604	604	604	608	611	475					527			87					24	155	69	30½	53	54½	C.B.
6	606	607	606	610	613	474					527			87					24	155	69	30½	53	54½	C.B.
7	605	605	604	608	612	471					525			88					24	155	69	30½	53	54½	C.B.
8	605	605	604	608	612	471					525			88					24	155	69	30½	53	54½	C.B.
9	611	611	610	614	618	470					527			88					24	155	69	30½	53	54½	C.B.
10	611	611	610	614	618	470					527			88					24	155	69	30½	53	54½	C.B.
11	605	605	604	608	612	468					518			87					24	155	69	30	53	54	Ha

General Notes: _____

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 10.6.22

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 (G)	Oil Tank Level	Oil Level OK & Aux. Oil Pump Test No. Add If Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3600	88	110	138	160	120		140	162	160		180		42	1/4	Yes	183	4700				
1AM		3600	88	100	138	160	120		140	162	160		180		42	1/4	Yes	183	4700				
2		3600	88	100	138	160	120		140	162	160		180		42	1/4	Yes	183	4400				
3		3600	80	100	138	160	120		140	162	160		180		42	1/4	Yes	183	4400				
4		3600	94	94	138	160	120		140	162	160		180		42	1/4	Yes	183	4100				
5		3600	74	94	138	160	120		140	162	160		180		42	1/4	Yes	183	4100				
6		3600	74	94	138	160	120		140	162	160		180		42	1/4	Yes	183	4200				D Peters
7		3600	74	110	138	160	120		140	162	160		180		42	1/4	Yes	183	3900				D Peters
8		3600	76	110	138	160	120		140	162	160		180		42	1/4	Yes	183	4200				D Peters
9		3600	79	110	138	160	120		140	162	160		180		42	1/4	Yes	183	4200				D Peters
10		3600	79	110	138	160	120		140	162	160		180										
11																							
12N																							
1PM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes: #5 stopped @ 10:31am
Flame out @ 10:38am
On T.G. @ 11:00am

Side Two

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 10.6.22

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. Discha. 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	
12M	605	605	604	608	612	468					518			87					24	155	68	30	53	56	Dp
1AM	605	605	604	608	612	468					518			87					24	155	68	30	53	54	Dp
2	600	600	602	604	610	466					506			84					24	155	68	30	53	54	Dp
3	600	600	602	604	610	466					506			84					24	155	68	30	53	54	Dp
4	600	600	602	604	610	466					506			84					24	155	68	30	53	54	Dp
5	591	591	591	595	599	464					512			80					24	155	68	30	53	54	Dp
6	591	591	591	595	599	464					512			80					24	155	68	30	53	54	Dp
7	593	593	592	596	600	464					515			80					24	155	68	30	53	54	DP
8	588	588	588	592	595	464					511			80					24	155	68	30	53	54	DP
9	601	601	600	604	607	468					518			80					24	155	68	30	53	54	DP
10	601	601	601	604	608	468					519			80					24	155	68	30	53	54	DP
11																									
12N																									
1PM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 10-29-22

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.(5)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add If Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N																							
1PM		3620	75	100	116	123	115		116	154	157		159		40	1/4*	y	183	2800				E.E.J.
2		3621	76	105	117	124	116		117	154	158		160		40	1/4*	y	184	2900				E.E.J.
3		3621	77	109	137	160	120		136	162	162		180		40	5/16	Yes	183	2000				C. Butler
4		3621	77	109	137	160	120		136	162	162		180		40	5/16	Yes	183	2000				C. Butler
5																							
6			Stop #5 Turbine @ 4:48 PM																				
7																							
8																							
9																							
10																							
11																							

General Notes: Started #5 Turbine @ 1:15pm. Flame on @ 1:18pm. Up to Speed @ 1:33pm. Load @ 1:39pm.

* Oil Tank level is @ 1/4. Uncertain of which reading (gauge on Turbine/Digital reading) is the actual reading.

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 10-29-22

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. Discb. 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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																			23.5	150	61	30	53	54	E.E.J.
1PM	530	529	528	531	534	454					371			76					23.5	151	62	31	54	54	E.E.J.
2	529	530	527	531	533	454					371			78					23.5	155	63	30.5	53	54	C.B.
3	550	551	551	554	556	462					479			78					23.5	155	63	30.5	53	54	C.B.
4	550	551	551	554	556	462					479			78											
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 11/5/22

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.(5)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - *Add if Needed*	Incoming Gas Press.	**Kilowatts**				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11		3604	64	102	134	152	118	—	132	158	160	—	180	—	40	1/4	yes	184	2100				a LR
12N		3610	67	105	136	154	120	—	132	158	160	—	180	—	40	1/4	yes	187	2300				a LR
1PM		3608	70	105	138	158	120	—	132	160	160	—	180	—	40	1/4	yes	185	2700				a LR
2		3621	72	105	138	158	120	—	132	160	160	—	180	—	40	1/4	yes	184	1000				a LR
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes:

Side Two

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 Outlet	Lube Oil Brg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11	520	521	520	524	525	446					419								24	155	62	30	53	54	
12N	537	538	538	541	543	448					461								24	155	63	30	53	55	
1PM	545	550	550	553	555	452					480								24	155	63	30.5	53	55	
2	504	504	510	512	514	447					465								24	155	63	30.5	53	55	
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes: _____

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 11-14-22

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(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:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N																							
1PM																							
2																							
3																							
4																							
5																							
6																							
7		3500	64	80	132	152	118		125	158	155		172		40	1/4	Y	184	2700				GJ
8		3500	64	90	132	152	118		125	158	155		172		40	1/4	Y	184	2800				GJ
9		3600	62	105	134	154	118		128	158	158		172		40	1/4	Y	184	1300				GJ
10		3600	62	105	134	154	118		128	158	158		172		40	1/4	Y	184	1300				GJ
11		3011	61	105	134	154	117		126	156	157		174		40	1/4	Y	184	953				E.E.

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 11-14-22

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																									
1PM																									
2																									
3																									
4																									
5																									
6																									
7	529	530	529	533	535	444					429			64					23	155	60	30	53	55	GJ
8	529	530	529	533	535	444					429			68					23	155	60	30	53	55	GJ
9	507	507	507	510	511	439					445			66					23	153	64	31	53	54	GJ
10	507	507	507	510	511	439					445			66					23	153	64	31	53	54	GJ
11	499	500	500	502	504	438					446			66					23	151	62	31	52	54	E.E.

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 11-15-22

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 - *Add if Needed*	Incoming Gas Press.	**Kilowatts**				Reading Taken By:
12M	/	3605	64	105	134	156	116	/	132	157	158	/	174	/	40	1/4	y	184	2400				E.E.
1AM	/	3605	65	105	135	156	117	/	132	158	159	/	174	/	40	1/4	y	184	2900				E.E.
2	/	3606	65	105	135	156	117	/	133	157	158	/	173	/	40	1/4	y	184	2800				E.E.
3	/	3605	64	105	135	155	116	/	133	158	158	/	174	/	40	1/4	y	184	2900				E.E.
4	/							/				/		/									
5	/							/				/		/									
6	/							/				/		/									
7	/							/				/		/									
8	/							/				/		/									
9	/							/				/		/									
10	/							/				/		/									
11	/							/				/		/									
12N	/							/				/		/									
1PM	/							/				/		/									
2	/							/				/		/									
3	/							/				/		/									
4	/							/				/		/									
5	/							/				/		/									
6	/							/				/		/									
7	/							/				/		/									
8	/							/				/		/									
9	/							/				/		/									
10	/							/				/		/									
11	/							/				/		/									

General Notes: Stopped #5 Turbine @ 3:58 am. Flame out @ 4:03 am. # 5 Turbine on T.G. @ 4:19 am.

Side Two

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 11-15-22

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	
12M	532	533	533	536	537	446					466			66					23	150	55	30	53E	56	E.E.
1AM	532	532	533	535	537	447					466			66					23E	151	56	31	53E	56	E.E.
2	530	533	532	535	537	446					465			67					23	150	56	31	54	56	E.E.
3	531	532	533	535	536	445					466			66					23	151	55	31	54	55	E.E.
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																									
1PM																									
2																									
3																									
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9																									
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General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 11-25-22

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(DE)	Gear Brg. No.4 Temp	Generator Brg. Temp (C)	Oil Tank Level	Oil Level Ok to Aux. Oil Pump Yes / No - add if Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3600	70	90	132	152	118		130	160	160	Ø	174		40	1/4	Yes	183	1560				Da
1AM		3600	70	105	132	153	118		130	155	160		174		40	1/4	Y	183	1500				GJ
2		3600	70	105	132	153	118		130	155	160		174		40	1/4	Y	183	1500				GJ
3		3600	70	105	132	152	118		130	160	160		174		40	1/4	Y	183	1200				GJ
4		3600	71	105	132	153	118		130	160	160		174		40	1/4	Y	183	1200				GJ
5		3600	72	106	134	153	118		130	155	160		174		40	1/4	Y	183	2200				GJ
6		3600	72	106	134	153	118		130	155	160		174		40	1/4	Y	183	2300				GJ
7		@		7:15 AM			Stopped																
8																							
9																							
10																							
11																							
12N																							
1PM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 11-25-22

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. Discb. 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	
12M	523	524	528	526	528	449					431			78					23	152	60	32	54	55	GJ
1AM	523	523	523	526	528	447					436			78					23	152	60	32	54	55	GJ
2	523	523	523	556	528	447					436			78					23	152	60	32	54	55	GJ
3	521	521	521	555	527	446					437			78					23	152	60	32	54	55	GJ
4	523	523	523	557	530	445					438			78					23	152	60	32	54	55	GJ
5	526	526	526	558	532	447					441			78					23	152	60	32	54	55	GJ
6	527	527	556	559	532	447					446			78					23	152	60	32	54	55	GJ
7		@ 7:15 AM				Stopped																			
8																									
9																									
10																									
11																									
12N																									
1PM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 11-20-22

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(GT)	Gear Brg. No.4 Temp	Generator Brg. Temp (G	Oil Tank Level	Oil Level Ok to Auto Oil Pump Yes / No - daily checked	Incoming Gas Press	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N																							
1PM																							
2																40	1/4	Y	183	3200			E. Easterling, Jr.
3		3594	62	100	116	132	114		116	154	152		156			40	1/4	Y	183	1750			E. Easterling, Jr.
4		3604	62	105	118	134	116		118	156	154		154			40	1/4	Y	183	1887			E. Easterling, Jr.
5		3606	63	108	120	134	118		119	150	154		155			40	1/4	Y	183	1670			E. Easterling, Jr.
6		3602	62	106	119	134	118		119	155	155		156										
7																							
8																							
9																							
10																							
11																							

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 11-20-22

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																									
1PM																									
2																									
3	505	505	503	508	571	454					421			68					23⅝	151	62	31	52	55	E.E.
4	504	503	502	507	569	452					423			69					23⅝	152	62	32	52	55	E.E.
5	504	504	502	506	568	453					422			68					24	151	61	31	52	54	E.E.
6	504	504	503	505	567	452					424			68					23⅝	151	61	31	53	54	E.E.
7																									
8																									
9																									
10																									
11																									

General Notes: Started #5 TURBINE @ 2:11pm. Flame on @ 2:15pm. Up to Speed @ 2:29pm. Load @ 2:32pm.
Broke Field @ 6:32pm. Stopped #5 Turbine @ 6:33pm. Flame out @ 6:36pm. T.G. @ 6:53pm.

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 12/11/22

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 if Needed*	Incoming Gas Press.	**Kilowatts**				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10								—	118	155	156	—	168	—	40	1/4	yes	184	1200				ca [illegible]
11		3642	70	102	126	142	116	—	118	158	158	—	170	—	40	1/4	yes	184	1200				ca [illegible]
12N		3631	72	102	128	142	118	—	118	158	158	—	170	—	40	1/4	yes	184	1200				ca [illegible]
1PM		3635	72	105	130	144	120	—	170	160	138	—	170	—	40	1/4	yes	184	1200				
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes:

Side Two

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	Exhaust Detector Left	Exhaust Detector Right	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10		Started		10:25	A	flame	on	10:31A																	
11	555	556	554	558	562	454					399								23	155	65	31	53	55	
12N	558	558	556	560	564	458					402								23	155	65	31	53	55	
1PM	557	557	556	561	563	457					404								23	155	65	31	57	55	
2			Stopped		1.	38 P	flame	out	1:41 P																
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes: _____

Side One

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. 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 - def if Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9		3608	78	101	117	131	112		118	153	156		162		40	1/4	Y	183	1202				E. Easterling
10		3609	80	102	117	132	118		120	154	156		162		40	1/4	Y	184	7500				E. Easterling
11		3608	81	103	119	134	120		122	154	157		163		40	1/4	Y	183	6100				E. Easterling
12N		3606	83	103	122	136	122		124	156	158		164		40	1/4	Y	184	5900				E. Easterling
1PM		3605	83	103	122	136	122		124	156	158		164		40	1/4	Y	184	5200				E. Easterling
2		3616	83	105	122	136	122		124	156	158		164		40	1/4	Y	184	2800				D Peters
3		3611	79	105	136	158	119		140	160	165		180		40	1/4	Y	183	1600				SM
4		3608	79	105	134	158	120		141	161	165		182		40	1/4	Y	183	1700				SM
5		3596	72	110	136	156	120		141	161	165		1182		40	1/4	Y	183	10000				SM
6		3615	70	110	136	156	120		141	160	165		180		40	1/4	Y	183	4300				SM
7		3655	69	110	138	156	118		140	160	165		180		40	1/4	Y	185	2900				SM
8		3645	69	110	138	156	118		140	159	163		180		40	1/4	Y	184	1700				SM
9		3650	68	110	138	156	118		140	159	163		180		40	1/4	Y	183	1200				SM
10		3650	66	110	138	156	118		141	158	163		180		40	1/4	Y	183	1200				SM
11																							

General Notes: Started #5 Turbine @ 8:29am. Flame on @ 8:36am. Up to Speed @ 8:50am. Load @ 8:54am.

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 12-14-22

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9	526	527	527	529	531	455					383			74					23.5	151	57	31	53	54	E.E.
10	525	526	527	529	532	458					389			76					23	152	56	31	53	54	E.E.
11	526	527	528	530	531	406					400			78					23.5	152	56	31	53	55	E.E.
12N	525	526	527	529	530	405					402			80					23.5	152	56	32	54	56	E.E.
1PM	630	629	628	632	637	492					533			78					23.5	152	56	32	54	56	
2	550	551	553	550	549	458					498			78					23.5	152	56	32	54	56	
3	544	545	545	547	549	460					483			80					24	155	60	32	55	54	
4	535	535	535	538	540	453					475			80					24	155	60	32	54	55	
5	758	759	758	761	767	481					615			82					24	155	60	32	54	55	
6	589	588	586	589	592	457					520			80					24	155	60	32	54	54	
7	545	546	546	549	551	455					496			80					24	155	60	32	53	54	
8	517	519	519	521	523	449					473			80					24	155	60	32	53	54	
9	506	506	507	509	511	446					462			81					24	155	60	32	53	54	
10	505	505	506	508	510	444					454			81					24	152	60	32	53	551	
11				Stopped				@			12:20														

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 12.19.22

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(31)	Gear Brg. No. 4 Temp	Generator Brg. Temp.(C)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No (Needs Added)	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N																							
1PM																							
2																							
3																							
4																							
5																Speed @ 6:37			Load @ 6:45				JLL
6		Start @ 6:20							Flame @ 6:28				180		40	1/4	Y	183	2500				JLL
7		3621	54	105	130	148	112		120	150	150	~~1400~~	180		40	1/4	Y	184	3600				JLL
8		3612	54	105	132	150	115		125	155	156	~~1400~~	180		40	1/4	Y	184	4800				JLL
9		3621	53	107	132	152	116		127	157	156		180		40	1/4	Y	183	6600				JLL
10		3606	53	107	134	154	116		130	160	156		180		40	1/4	Yes	183	2500				JLL
11		3600	58	107	134	154	116		130	160	156		180		40	1/4	Yes	183	2500				JLL

General Notes: Start @ 6:20 pm - Flame @ 6:28 - Speed @ 6:37 - Load @ 6:45

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

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 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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																									
1PM																									
2																									
3																									
4																									
5																									
6		Start @ 6:20						Flame @ 6:28											Speed @ 6:37						SM
7	542	542	541	544	548	438		~~434~~			439			55					23	155	60	31	53	54	SM
8	555	555	554	558	562	437		~~463~~			463			53					23	155	66	31	53	54	SM
9	551	551	551	555	559	438		475			475			55					23	155	66	31	53	54	SM
10	601	601	~~600~~	604	609	445					510			57					23	155	66	31	53	54	SM
11	~~505~~	506	507	510	511	~~485~~					483			55					23	155	66	31	55	54	SM

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 12-20-22

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(PT)	Gear Brg. No.4 Temp	Generator Brg. Temp.(C)	Oil Tank Level	Oil Level OK In Aux. Oil Pump Yes / No (fill if Needed)	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3600	64	107	134	154	116		130	160	156	Ø	180		40	1/4	Yes	185	1600				
1AM		3600	64	107	134	154	116		130	160	156	Ø	180		40	1/4	Yes	185	1600				
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N																							
1PM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

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. Discharge 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	
12M	500	500	502	508	510	482					483			55					23	155	166	31	55	54	
1AM	500	500	502	508	510	485					483			55					23	155	166	31	55	54	
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																									
1PM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes: @ 1:31am Stopped #5 turbine.

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 12-20-22

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 (G)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							JM
7				Start			7:55			Flame		8:05					Speed	8:15					JM
8										133	161	157	180		40	7/16		183	1800				JM
9		3612	62	110	136	153	114			133	162	158	180		40	7/16		184	8800				JM
10		3587	62	110	136	153	114			134	164	160	180		40	7/16		183	5600				JM
11		3599	63	110	136	155	120			136	164	160	180		40	7/16		183	9200				JM
12N		3585	64	110	137	157	125			136	164	160	180		40	7/16		154	3800				JM
1PM		3622	64	110	137	160	130			136	165	160	180		40	7/16		184	9400				JM
2		3655	67	110	137	156	118			132	158	162	180		40	7/16	JM	184	1200				C M
3		3658	68	108	136	156	118			132	158	160	—	180		T.G.	e 4:04 P						
4				Stopped e	3:48P					Flame at e		3:54P	—	1°									
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes: Start 7:55 Flame 8:05 Speed 8:15

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 12.20.2

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7		Start		7:55																					
8								Flame 8:05																	Sw
9	554	554	554	560	563	442					524									Speed	8:15				Sw
10	662	662	662	667	671	458					540								23	148	69	30⅖	53	54	Sw
11	621	621	622	626	629	451					535								23	149	68	30⅖	53	54	Sw
12N	637	637	637	642	647	460					549								23	150	67	30⅖	53	54	Sw
1PM	575	576	575	579	583	455					508								23	150	67	30⅖	53	54	Sw
2	525	526	527	526	531	450					474								23	150	67	30⅖	53	54	Sw
3	513	514	514	517	518	448					464								23	150	67	30⅖	53	54	c.d.
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

***General** Notes:* Start 7:55 Flame 8:05 Speed 8:15

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 1/4/23

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.(e)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add if Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M																							
1AM			Stat	@ 1:38am			Flare	on @	1:41am														
2	—	3604	63	108	122	140	110	—	120	156	158	—	170	—	40	1/2	yes	185	4400				a~ LR
3		3624	83	105	136	156	120	—	130	158	160	—	180	—	40	1/2	Y	183	2200				GJ
4							stopped	##	5 turbine @ 3:45Am								Flare	at @	3:57A				GJ
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N																							
1PM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 1/4/23

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	
12M																									
1AM																									
2	526	568	566	562	573	447					383								24	155	65	31	57	55	
3	527	538	529	532	534	447					445								24	153	65	31	53	55	GJ GJ
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																									
1PM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes: stopped # 5 turbine @ 3:45 pm

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 1-17-23

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.(4)	Oil Tank Level	Oil Level OK In Aux. Oil Pump Yes / No Add if Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9									138	160	158	Q	180		40	1/2	Yes	182	568				
10		3600	80	90	136	154	112		138	160	158	Q	180		40	1/2	Yes	182	1.060				
11		3600	80	92	136	154	112		138	160	158	Q	180		40	1/2	Yes	182	3400				
12N		3600	80	92	136	154	112		138	160	158	Q	180		40	1/2	Yes	182	3000				
1PM		3600	84	96	136	154	112		138	160	158	Q	180		40	1/2	Yes	182	3000				
2		3600	90	96	136	154	112		138	160	158	Q	180		40	1/2	Yes	182	3000				
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 1-17-23

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. Discb. 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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9		@	9:23	Started				@	9:42	Am	UP	to	speed		@	9:48	Load.							
10	583	583	583	587	589	466					486			84					22	155	60	31	53	54	
11	583	583	583	587	589	466					486			84					22	155	60	31	53	54	
12N	580	581	581	584	586	465					491			84					52	155	60	31	53	54	
1PM	582	582	581	585	587	468					500			84					22	155	60	31	53	54	
2	583	583	580	586	588	470					500			84					22	155	60	31	53	54	
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes: _____

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 1 · 19 · 23

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(DT)	Gear Brg. No.4 Temp	Generator Brg. Temp(F)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - *Add If Needed*	Incoming Gas Press	Kilowatts				Reading Taken By.
12M																							
1AM																							
2																							
3																							
4																							
5																							
6		Start @ 6:50 AM								Flame @ 6:57 AM					Up to speed 7:08 AM								
7																							
8		3600	59	90	136	158	124		132	159	155	Ø	178		40	1/2	Yes	183	3900				No
9		3600	59	90	136	158	124		132	159	155	Ø	178		40	1/2	Yes	183	4100				Ky
10		3600	62	92	136	158	124		132	159	155	Ø	178		40	1/2	Yes	182	4000				Ke
11		3600	76	92	136	158	124		132	159	155	Ø	178		40	1/2	Yes	182	3900				D
12N		3600	76	92	136	158	124		132	159	155	Ø	178		40	1/2	Yes	182	3900				Ky
1PM		3600	78	90	136	158	124		132	159	155	Ø	178		40	1/2	Yes	182	4000				No
2		3600	78	90	136	158	124		132	159	155	Ø	178		40	1/2	Yes	182	4100				K
3				@ load off 2:33 pm						Stopped @ 2:39 pm							T.G @	2:59 PM					
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 1-19-23

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8	569	567	567	570	574	449					470			70					23	152	65	52	54	55	
9	567	567	567	570	574	449					470			70					23	152	65	52	54	55	
10	585	585	585	588	592	460					499			72					23	152	65	52	54	55	
11	586	586	585	589	593	463					508			74					23	154	65	52	54	55	
12N	586	586	585	589	593	463					508			76					23	134	65	52	54	55	
1PM	588	588	588	592	595	464					509			76					23	134	65	52	54	55	
2	592	592	591	595	599	464					509			78					23	134	65	52	54	55	
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 1-20-23

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(DT)	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																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9		@ 9:12 Am Started						@ 9:28 Am		UP	to speed			@ 9:34 load.									Da
10		3600	64	85	132	152	120		124	154	156	Q	180		40	1/2	Yes	184	.526				Jay
11		3600	64	85	132	152	120		124	154	156	Q	180		40	1/2	Yes	184	.469				
12N		3600	68	90	132	152	120		124	156	158	Q	182		40	1/2	Yes	184	.486				
1PM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 1.20.23

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10	<180	<181	481	483	<185	417					752			68					22	145	55	32	54	55	No
11	<180	<181	<181	<183	<183	<117					<152			68					22	145	55	32	54	55	No
12N	<182	<183	183	484	<186	<116					455			70					22	145	55	32	54	55	No
1PM		@ 12:54		load off				@ 1:00			stopped				@ 1:25 on T.G.										
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes: _____

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 1/24/23

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(3 P)	Gear Brg. No.4 Temp	Generator Brg. Temp.(C)	Oil Tank Level	Oil Level Ok To Run, Oil Pump Yes / No Add'l Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M			7																				
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N																							
1PM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							D Peters
11		3600	72	100	134	135	115		130	155	158	~~100~~	180			35	1/2	Yes	183	.933			

General Notes:

@ 9:45pm #5 started
@ ~~Reset~~ 9:52p Flame
@ 10:05p up to ~~speed~~
@ 10:20p Loaded.

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 1/24/23

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																									
1PM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11	510	511	510	513	515	450					387			66					23	150	60	30	53	54	

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 1/25/23

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(P.T)	Gear Brg. No.4 Temp	Generator Brg. Temp.(G	Oil Tank Level	Oil Level Ok to Auto. Oil Pump Yes / No - date/n Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
																							DPeters
12M		3600	72	106	124	135	115		130	155	158		180		35	1/2	Yes	183	290				
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N																							
1PM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes: @ 12:50am #5 stopped
@ 12:53am Flame out
@ 1: out T-G.

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 11/25/23

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	
12M	539	539	539	548	544	447					462			66					23	150	60	305	535	54	
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																									
1PM																									
2																									
3																									
4																									
5																									
6																									
7																									
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10																									
11																									

General Notes: _____

Side One

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 2-1-23

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(3)	Gear Brg. No.4 Temp	Generator Brg. Temp.(6)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - add If Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9													100		40°C	1/2	Y	184	0				E. Easterling
10		3600	57	105	120	131	116		130	151	152		160		40°C	1/2	Y	184	0				E. Easterling
11		3600	58	106	120	132	116		130	151	152		180		40°C	1/2	Y	184	0				E. Easterling
12N		3600	57	110	122	140	112		125	150	150												
1PM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

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
Started #5 Turbine @ 11:35 am. Flame on @ 11:40 am. Up to Speed @ 11:55 am. Stopped #5 Turbine @ 12:11pm. Flame out @ 12:15pm.
T.G. @ 12:38pm

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 2-1-23

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10	459	459	459	462	464	426					343			58					23	151	62	52	31	54	E.E.
11	459	460	460	463	464	426					344			58					23	152	62	52	32	54	E.E.
12N	463	464	465	467	468	424					395			60					23	152	62	31	52	54	E.E.
1PM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
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10																									
11																									

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 2-3-23

Hour	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 (G)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No Add If Needed	Incoming Gas Press	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							E. Easterling
9		3600	52	105	119	130	114		110	150	149		180		40°C	1/2	4	184	0				
10																							
11																							
12N																							
1PM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

General Notes: Started #5 Turbine @ 8:39 am. 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.

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 2-3-23

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9	451	452	451	453	456	421					343			54					23[5]	151	63	31	52	55	E.E.
10																									
11																									
12N																									
1PM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes: _____

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 2-8-23

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(°F)	Gear Brg. No.4 Temp.	Generator Brg. Temp.(°F)	Oil Tank Level	Oil Level OK In Aux. Oil Pump Yes / No - Add if Needed	Incoming Gas Press	Kilowatts				Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N																							
1PM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9										110	145	155		180		40°c	1/2	4	175	1063			E. Easterling
10		3608	73	110	114	124	112			110	145	155		180		40	1/2	Yes	174	6700			
11		3500	70	90	134	130	116			132	155	156		172		40	1/2	Yes	174	6700			

General Notes: Started #5 Turbine @ 9:28pm. Flame on @ 9:34pm. Up to Speed @ 9:45pm.

Side Two

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 2-8-23

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N																									
1PM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10	513	513	512	515	518	450					359			70					24	151	56	31	52	54	E.E
11	669	669	667	672	678	961					526			72					24	152	65	31	53	55	

General Notes: _____

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 2.9.23

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		3500	70	90	134	130	116		132	155	156		172		40	1/2	Yes	174	6700				
1AM		3600	70	90	134	130	116		132	155	156		172		40	1/2	Yes	174	1200				
2		3600	70	90	134	130	116		132	155	156		172		40	1/2	Yes	174	1200				
3		3600	72	90	134	130	116		132	155	156		172		40	1/2	Yes	174	1200				
4		3600	72	90	134	130	116		132	155	156		172		40	1/2	Yes	174	1100				
5		3600	64	90	134	130	116		132	158	160		172		40	1/2	Yes	174	1200				
6		3600	64	90	134	130	116		132	158	160		172		40	1/2	Yes	174	1200				
7		3602	62	92	134	130	116		132	158	160		172		40.6	1/2	Y	175	1100				E.E.
8		3603	63	92	133	128	116		132	157	160		172		40.6	1/2	Y	175	1000				E.E.
9																							
10																							
11																							
12N																							
1PM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

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

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 2.9.23

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. Ditch. 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	
12M	669	669	667	672	678	461					526			72					24	152	65	31	53	55	No
1AM	538	538	540	542	543	447					478			72					24	150	65	31	53	55	No
2	533	533	534	537	536	449					473			72					24	150	65	31	53	55	No
3	530	530	532	536	539	442					460			72					24	150	65	31	53	55	No
4	525	526	526	529	531	446					464			72					24	150	65	31	53	55	No
5	521	521	522	525	526	442					462			72					24	150	65	31	53	55	No
6	521	521	522	525	526	442					462			72					24	150	64	31	53	55	E.E.
7	521	520	522	525	526	442					462			72					24	150	64	31	53	54	E.E.
8	520	520	521	524	525	440					402			72											
9																									
10																									
11																									
12N																									
1PM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 2.13.23

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																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12N		3600	72	82	134	152	120		136	150	156		174		40	1/2	Yes	175	3900				
1PM		3600	72	82	134	152	120		136	150	156		174		40	1/2	Yes	175	3900				
2		3600	72	82	134	152	120		136	150	156		174		40	1/2	Yes	175	3900				
3		3600	72	82	139	152	120		136	150	156		174		40	1/2	Yes	175	4200				
4		3600	72	82	139	152	120		136	150	156		174		40	1/2	Yes	175	4200				
5					Stopped		@		4:55?								~~Yes~~	~~175~~	~~4200~~				
6																	~~Yes~~	175	3900				
7																	~~Yes~~		4800				
8																							
9																							
10																							
11																							

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 2-13-23

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12N	589	589	589	598	597	456					486			68					23	150	55	31	54	55	Ng
1PM	598	598	597	601	606	457					500			68					23	150	55	31	54	55	Ng
2	602	602	601	604	609	460					510			68					23	150	55	31	54	55	Ng
3	602	602	601	604	609	460					510			68					23	150	55	31	54	55	Ng
4	602	602	601	604	609	460					510			68					23	150	55	31	54	55	Ng
5											Stopped @ 4:55P														
6																									
7																									
8																									
9																									
10																									
11																									

General Notes:

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 3-17-23

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	
12M																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11	518	518	515	519	521	445					304			70					23	151	62	31	52	54	E.E.
12N	518	518	516	519	521	448					308			70					23	152	62	32	52	54	E.E.
1PM	523	523	522	524	526	447					449			72					22.5	150	62	31	52	54	E.E.
2	524	524	522	524	525	447					448			72					22.5	150	62	32	52	54	E.E.
3		@ 3:39 pm Stopped									@ 3:42 pm Flame Out								@ 4:00			T.G.			
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									

General Notes:

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 3-17-23

Time	Run Hours	Speed RPM	Ambient Temp.	Oil Temp. After 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 Temp.	Gear Brg. No. 4 Temp.	Generator Brg. Temp.	Oil Tank Level	Oil Level Ok In Any Oil Pump Sight Glass & Oil Heater	Incoming Gas Press.					Reading Taken By:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10													104		40°C	1/2	Y	175	1000				E.
11		3625	67	110	118	116	115		118	146	155		104		40°C	1/2	Y	175	1400				E.
12N		3628	67	110	118	116	115		118	146	156		104		40°C	1/2	Y	175	1500				E.
1PM		3627	64	110	138	157	122		140	154	161		180*		40°C	1/2	Y	175	1400				E.
2		3628	62	110	138	156	122		140	154	161		180*										
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

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

@ Gear Brg. Thrust reading was @ 180°F. Will notify Low Lift. @ 3:39 pm Stopped @ 3:42 pm Flame Out, @ 4:00 pm TG

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

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4/3/23

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 (oT)	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:
12M																							
1AM																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9			Clearing up #4 Turbine + B Pump																				
10																							
11															41	1/2	Yes	177	3000				
12N		3609/750	86	105	135	155	119		142	162	162	—	180		41	1/2	Yes	177	3000				
1PM		3609/750	86	105	135	155	119		142	162	162	—	180		41	1/2	Yes	177	3000				
2		3609/750	87	105	135	155	119		142	162	162	—	180		41°	1/2	yes	177	2900				ch RR
3		3616	88	105	136	160	122		144	162	161	—	180		41°	1/2	yes	177	2600				ch RR
4		3616	88	105	136	160	122		144	162	161	—	180		41°	1/2	yes	177	2600				ch RR
5		3616	88	105	136	160	122		144	162	161	—	180		41°	1/2	yes	178	2600				ch RR
6		3616	88	105	136	160	122		144	162	161	—	180		41°	1/2	yes	178	2700				ch RR
7		3615	84	105	136	160	121		144	161	161	—	180		41°	1/2	yes	178	2900				ch RR
8		3614	84	105	136	160	121		144	161	161	—	180		41°	1/2	yes	178	3400				ch RR
9		3610	83	105	136	160	120		144	160	160	—	180		41°	1/2	yes	178	2900				ch RR
10		3615	83	105	136	160	120		144	160	160	—	180		41	1/2	Yes	178	2900				DP
11		3615	83	105	136	160	120		144	160	160	—	180										

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4/3/23

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 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																									
1AM																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10		Clearing up #4 Turbine & B Pump																							
11																									
12N	590	590	589	592	595	591		—	—	—	502			76					23 S	155	61	30 S	53 ~~52~~	54	
1PM	590	590	589	592	595	591		—	—	—	502			76					23 S	155	61	30 S	53	54	
2	590	590	589	592	595	591		—	—	—	502			76					23 S	155	61	30 S	53	54	
3	597	597	596	600	603	474					515			88					23 S	155	61	31	53	54	
4	587	587	587	590	592	472					510			88					23 S	155	61	31	53	54	
5	587	587	587	588	590	471					510			88					23 S	155	61	31	53	54	
6	585	585	585	586	588	471					508			88					23 S	155	61	31	53	54	
7	584	584	583	586	589	470					508			86					23 S	155	61	31	53	54	
8	586	586	586	589	592	470					510			86					23 S	155	61	31	53	54	
9	594	594	593	598	601	469					512			85					23 S	155	61	31	53	54	
10	585	585	584	588	590	467					509			84					23 S	155	61	31	53	54	
11	582	583	582	586	589	467					507			84					28 S	155	61	31	53	54	

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4/4/23

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 (PT)	Gear Brg. No. 4 Temp	Generator Brg. Temp. (°)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - def'n Needed	Incoming Gas Press.	KILOWATTS				Reading Taken By:
12M		3615	83	105	136	160	120		KK1	160	160		180		41	1/2	Yes	178	2900				DP
1AM		3615	84	105	136	160	120		144	160	160		180		41	1/2	Yes	178	2900				DP
2		3615	84	105	136	160	120		144	160	160		180		41	1/2	Yes	178	2900				DP
3		3615	84	105	136	160	120		144	160	160		180		41	1/2	Yes	178	2900				DP
4		3615	84	105	136	160	120		144	160	160		180		41	1/2	Yes	178	2900				DP
5		3615	84	105	136	160	120		144	160	160		180		41	1/2	Yes	178	3100				clear RR
6		3615	84	105	136	160	120		144	160	160		180		41°	1/2	yes	178	3100				clear RR
7		3612	78	105	136	160	120		140	160	156		178		41°	1/2	yes	178	2700				clear RR
8		3615	80	105	136	160	120		140	160	156		178		41°	1/2	yes	177	2700				clear RR
9		3615	82	105	136	160	120		140	160	158		180		41°	1/2	yes	178	2700				clear RR
10		3615	84	105	136	160	120		140	160	158		180		41°	1/2	yes	178	2700				clear RR
11		3615	86	105	136	160	120		142	160	158		180		41°	1/2	yes	178	2700				clear RR
12N		3616	88	105	136	160	120		142	160	160		180		41°	1/2	yes	178	2700				clear RR
1PM		3615	90	105	136	160	120		142	160	160		180		41°	1/2	yes	178	2700				clear RR
2		3615	90	105	136	160	120		144	160	160		180		41°	1/2	yes	178	2700				clear RR
3		3614	90	105	136	160	120		144	160	160		180		41°	1/2	yes	177	3000				clear RR
4		3614	88	105	136	160	120		144	160	160		180		41°	1/2	yes	177	3100				clear RR
5		3613	87	105	136	160	120		144	160	160		180		41°	1/2	yes	177	3200				clear RR
6		3613	85	105	136	160	120		144	160	160		180		41°	1/2	yes	178	3100				clear RR
7		3613	83	105	136	160	120		144	160	160		180		41°	1/2	yes	178	3300				clear RR
8		3612	82	105	136	160	120		142	160	160		180		41°	1/2	yes	177	3300				clear RR
9		3611	82	105	136	160	120		142	160	159		181		41°	1/2	yes	177	4100				clear RR
10		3606	81	105	136	160	120		142	160	159		181		41	1/2	Yes	177	3400				DP
11		3611	81	105	136	160	120		KK2	160	159		181		41	1/2	Yes	177	3400				

General Notes:

Side Two

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4/4/23

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. Discb. 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 Discb.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
12M	583	583	583	586	589	466					507			84					23	155	61	31	53	54	
1AM	583	583	583	586	589	465					507			84					23	155	61	31	53	54	
2	583	583	583	587	589	465					507			84					23	155	61	31	53	54	
3	583	583	583	586	589	466					507			84					23	155	61	31	53	54	
4	583	583	583	587	589	465					507			84					23	155	61	31	53	54	
5	583	583	582	586	589	466					506			84					23	155	61	31	53	54	
6	583	583	582	586	589	466					506			84					23	155	61	31	53	54	
7	584	584	583	587	590	464					508			82					23	155	61	31	53	54	
8	576	576	576	579	582	463					507			82					23	155	61	31	53	54	
9	579	579	579	582	584	466					504			83					23	155	61	31	53	54	
10	584	584	584	587	589	469					507			84					23	155	61	31	53	54	
11	585	585	585	588	590	472					508			85					23	155	61	31	53	54	
12N	587	587	586	590	592	472					509			86					23	155	61	31	53	54	
1PM	588	588	588	592	594	474					511			88					23	155	61	31	53	54	
2	588	589	588	591	594	473					511			88					23	155	61	31	53	54	
3	593	593	592	596	599	474					514			88					23	155	61	31	53	54	
4	594	594	593	597	600	474					515			87					23	155	61	31	53	54	
5	595	595	594	598	601	474					516			87					23	155	61	31	53	54	
6	594	594	593	597	600	471					515			86					23	155	61	31	53	54	
7	584	584	588	592	594	469					511			85					23	155	61	31	53	54	
8	592	592	591	595	598	469					513			84					23	155	61	31	53	54	
9	593	593	592	596	598	468					513			84					23	155	61	31	53	54	
10	611	611	609	613	617	462					523			84					23	155	61	31	53	54	
11	593	593	592	596	599	468					515			84					23	155	61	31	53	54	

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4/5/23

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		3611	81	105	136	160	120		142	160	159		181		41	1/2	Yes	177	3400				D.P.
1AM		3612	81	105	136	160	120		142	160	159		181		41	1/2	Yes	177	3300				D.P.
2		3614	81	105	136	160	120		142	160	159		181		41	1/2	Yes	177	3300				D.P.
3		3614	81	105	136	160	120		142	160	159		181		41	1/2	Yes	177	3300				D.P.
4		3614	83	105	136	160	120		142	160	159		181		41	1/2	Yes	177	2900				D.P.
5		3614	83	105	136	160	120		142	160	159		181		41	1/2	Yes	177	2900				D.P.
6		3614	83	105	136	160	120		142	160	159		181		41	1/2	Yes	177	2900				D.P.
7		3615	84	105	136	159	119		142	160	160		180		41	1/2	Yes	178	2800				Shell
8		3615	84	105	136	159	119		142	160	160		180		41	1/2	Yes	178	2800				Shell
9		3615	84	105	136	159	119		142	160	160		180		41	1/2	Yes	178	2800				Shell
10		3614	85	105	136	159	119		142	160	160		180		41	1/2	Yes	178	2900				Shell
11		3614	86	105	137	159	120		142	160	160		180		41	1/2	Yes	178	3000				Shell
12N		3615	86	105	137	160	120		143	160	160		181		41	1/2	Yes	178	3000				Shell
1PM		3611	87	105	138	160	121		143	160	160		181		41	1/2	Yes	178	3300				Shell
2		3611	87	105	139	160	121		144	160	160		181		41	1/2	Yes	178	3300				Shell
3		3000	87	105	139	100	121		143	100	100		182		41C	1/2	yes	178	3500				E.E.
4		3613	87	105	139	160	121		143	160	160		182		41	1/2	Y	178	2900				GJ
5		3614	86	105	136	160	121		143	160	160		182		41	1/2	Y	178	2900				GJ
6		3614	86	105	136	160	121		143	160	160		182		41	1/2	Y	178	2900				GJ
7		3614	86	105	136	160	121		143	160	160		182		41	1/2	Y	178	2900				GJ
8		3614	86	105	136	160	121		143	160	160		182		41	1/2	Y	178	2900				GJ
9		3611	86	105	136	160	121		143	160	160		182		41	1/2	Y	178	2900				GJ
10		3610	85	105	136	100	120		142	100	100		181		41C	1/2	yes	178	3500				GJ / E.E.
11		3610	85	105	136	160	120		142	160	160		181		41	1/2	Yes	178	3600				D

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4/5/23

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	
12M	596	596	595	599	602	469					516			84					23	155	61	31	53	54	
1AM	591	591	590	594	597	466					513			84					23	155	61	31	53	54	
2	591	591	590	594	596	466					508			84					23	155	61	31	53	54	
3	581	581	581	584	587	465					505			84					23	155	61	31	53	54	
4	580	580	580	583	586	466					505			84					23	155	61	31	53	54	
5	580	580	580	583	586	466					505			84					23	155	61	31	53	54	
6	579	579	578	582	584	463					504			84					23	155	61	30[5]	53	54	
7	580	581	579	581	584	468					504			84					23	155	61	30[5]	53	54	
8	581	581	579	581	584	469					504			84					23	155	61	30[5]	53	54	
9	581	581	579	581	584	469					504			84					23	155	61	30[5]	53	54	
10	583	583	582	587	586	469					506			84					23	155	61	30[5]	53	54	
11	585	585	586	586	591	470					508			84					23	155	61	30[5]	53	54	
12N	588	589	590	591	594	470					510			84					23	155	61	30[5]	53	54	
1PM	597	593	597	594	598	473					515			84					23	155	61	30[5]	53	54	
2	599	599	597	598	602	473					517			84					23	155	61	31	53	54	E.E.
3	599	598	598	598	602	474					516			84					23	155	61	31	53	54	G1
4	592	592	592	595	598	473					515			84					23	155	61	31	53	54	G1
5	591	591	591	594	596	473					513			84					23	155	61	31	53	54	G1
6	588	589	588	591	594	470					512			84					23	155	61	31	53	54	G1
7	588	589	588	591	594	470					512			84					23	155	61	31	53	54	G1
8	588	592	591	595	598	474					517			84					23	155	61	31	53	54	G1
9	590	590	589	593	596	468					512			84					23	155	61	31	53	54	G1
10	590	590	588	592	596	468					512			83					23	155	61	30[5]	53	54	G1/E.E.
11	600	599	598	603	605	467					516			83					23	155	61	30[5]	53	54	D

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4/6/23

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	
12M	600	599	598	602	605	467					508			83					23	155	61	30[5]	53	54	DP
1AM	587	587	586	590	593	465					509			83					23	155	61	30[5]	53	54	DP
2	587	587	586	590	593	465					508			83					23	155	61	30[5]	53	54	DP
3	586	586	586	590	593	465					509			83					23	155	61	30[5]	53	54	DP
4	580	580	580	583	585	463					505			83					23	155	61	30[5]	53	54	DP
5	580	579	579	583	585	462					504			83					23	155	61	30[5]	53	54	DP
6	580	580	579	583	585	463					504			83					23	155	61	30[5]	53	54	DP
7	581	580	579	582	585	463					504			82					23	155	61	30[5]	53	54	E.E.
8	582	580	578	582	585	462					503			81					23	155	61	31	53	54	E.E.
9	583	581	578	581	584	463					503			82					23	154	61	31	53	54	E.E.
10	585	585	585	588	590	468					507			84					23	154	62	31	53	54	E.E.
11	585	586	586	587	589	468					506			84					23	154	62	31	53	54	E.E.
12N	588	589	588	592	594	470					511			84					23	154	62	31	53	54	E.E.
1PM	589	589	588	591	593	471					511			84					23	154	62	30[5]	53	54	E.E.
2	589	589	588	590	592	472					512			84					23	154	62	30[5]	53	54	E.E.
3	589	589	589	593	595	471					510			84					23	154	62	30[5]	53	54	DP
4	590	590	590	593	596	472					510			84					23	154	62	30[5]	53	54	DP
5	595	595	594	598	601	470					514			84					23	154	62	30[5]	53	54	DP
6	593	593	593	597	600	469					513			84					23	154	62	30[5]	53	54	DP
7	593	593	592	596	599	469					513			84					23	154	62	30[5]	53	54	DP
8	596	596	595	599	603	468					514			84					23	154	62	30[5]	53	54	DP
9	587	587	586	590	592	465					509			84					23	154	62	30[5]	53	54	DP
10	604	601	601	606	610	466					515			84					23	154	62	30[5]	53	54	DP
11	604	605	604	608	613	467					517			84					23	154	62	30[5]	53	54	DP

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4/6/23

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.(d)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add if Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3612		105	136	160	120		142	160	160		181		41	1/2	Yes	178	3100				DP
1AM		3612		105	136	160	120		142	160	160		181		41	1/2	Yes	178	3100				DP
2		3611		105	136	160	120		142	160	160		181		41	1/2	Yes	178	3100				DP
3		3611		105	136	160	120		142	160	160		181		41	1/2	Yes	178	3100				DP
4		3613		105	136	160	120		142	160	160		181		41	1/2	Yes	178	2900				DP
5		3613		105	136	160	120		142	160	160		181		41	1/2	Yes	178	2900				DP
6		3613		105	136	160	120		142	160	160		181		41	1/2	Yes	178	2900				DP
7		3613	82	105	135	160	120		142	160	160		180		41	1/2	yes	178	3100				E.E.
8		3613	83	105	136	160	120		143	161	160		181		41	1/2	yes	178	3000				E.E.
9		3612	84	105	136	160	121		143	161	160		181		41	1/2	yes	178	2700				E.E.
10		3614	83	105	136	158	118		143	155	160		180		41	1/2	yes	178	2800				E.E.
11		3609	83	105	136	158	119		143	155	160		180		41	1/2	yes	178	3500				E.E.
12N		3612	83	105	135	158	119		143	155	160		180		41	1/2	yes	179	3400				E.E.
1PM		3613	84	105	136	159	119		144	155	160		180		41	1/2	yes	178	2900				E.E.
2		3614	85	105	136	159	120		144	155	160		180		41	1/2	yes	178	2900				E.E.
3		3613	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	2800				DP
4		3613	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	2800				DP
5		3611	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	3000				DP
6		3611	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	3000				DP
7		3611	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	3300				DP
8		3610	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	3000				DP
9		3612	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	3500				DP
10		3612	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	3100				DP
11		3612	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	3100				DP

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4/7/23

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.(©)	Oil Tank Level	Oil Level Ok. In Aux. Oil Pump Yes / No. *Add if Needed*	Incoming Gas Press.	**Kilowatts**				Reading Taken By:
12M		3618	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	3300				DP
1AM		3618	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	3300				DP
2		3619	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	3300				DP
3		3619	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	3300				DP
4		3619	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	3300				DP
5		3619	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	3300				DP
6		3619	85	105	136	159	120		144	155	160		180		41	1/2	Yes	178	3300				DP
7		3621	82	105	136	159	120		142	155	100		180		41	1/2	yes	178	3000				E.E.
8		3619	82	105	136	100	120		142	155	160		180		41	1/2	yes	178	3100				E.E.
9		3618	81	105	136	159	121		142	156	160		180		41	1/2	yes	179	3200				E.E.
10		3619	80	106	137	158	120		143	156	160		180		41	1/2	yes	179	3100				E.E.
11		3619	78	105	136	157	116		139	152	158		178		41	1/2	yes	178	3100				E.E.
12N		3611	78	106	136	157	117		140	152	158		179		41	1/2	yes	178	4400				E.E.
1PM		3610	78	106	136	157	117		140	152	158		179		41	1/2	yes	179	3800				E.E.
2		3624	78	106	137	156	120		140	152	158		179		41	1/2	yes	178	2500				E.E.
3		3600	78	105	136	156	116		140	152	158		178		41	1/2	Yes	178	2600				
4		3600	78	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2800				
5		3600	76	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2900				
6		3600	76	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2900				
7		3600	78	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2600				
8		3600	78	105	136	156	116		140	152	158		178		41	1/2	yes	179	2600				
9		3600	76	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2600				
10		3600	78	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2600				
11		3619	78	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2400				DP

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4/7/23

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	Terrp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
12M	588	588	588	592	595	465					511			84					23	154	62	30	53	54	
1AM	588	589	588	592	595	465					511			84					23	154	62	30	53	54	
2	587	589	585	590	594	465					510			84					23	154	62	30	53	54	
3	586	584	583	587	593	465					509			84					23	154	62	30	53	54	
4	584	584	583	587	595	463					507			84					23	154	62	30	53	54	
5	584	584	583	587	590	463					507			84					23	154	62	30	53	54	
6	582	583	582	586	588	462					506			84					23	154	62	30	53	54	E.E.
7	582	583	582	586	588	462					506			84					23	154	62	31	53	54	E.E.
8	581	583	582	586	588	463					507			83					23	154	63	31	53	54	E.E.
9	571	571	571	574	577	460					504			83					23	153	62	31	53	54	E.E.
10	574	573	573	576	579	461					501			83					23	153	62	31	53	54	E.E.
11	579	580	579	583	585	464					504			80					23	153	62	30	53	54	E.E.
12N	610	609	607	611	615	466					520			81					23	153	62	31	53	54	E.E.
1PM	590	589	588	592	595	466					518			81					23	153	62	31	53	54	E.E.
2	564	564	564	567	568	460					495			80					23	153	62	31	53	54	
3	564	564	564	567	568	<461					495			80					23	153	62	31	53	54	
4	573	573	572	575	578	<461					497			80					23	153	62	31	53	54	
5	573	573	572	575	578	<461					497			80					23	153	62	31	53	54	
6	570	570	573	576	578	<462					497			80					23	153	62	31	53	54	
7	570	570	573	576	578	<462					497			80					23	153	62	31	53	54	
8	567	567	567	570	572	<461					497			82					23	153	62	31	53	54	
9	567	567	567	570	572	<461					497			82					23	153	62	31	53	54	
10	566	566	566	569	571	<460					497			82					23	153	62	31	53	54	
11	558	558	558	561	563	457					491			82					23	153	62	31	53	54	

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4/8/23

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 (°F)	Oil Tank Level	Oil Level Ok to Aux. Oil Pump Yes / No - Add If Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3619	78	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2400				DP
1AM		3614	78	105	136	156	116		140	152	158		178		41	1/2	Yes	179	3400				DP
2		3614	78	105	136	156	116		140	152	158		178		41	1/2	Yes	179	3000				DP
3		3617	78	105	136	156	116		140	152	158		178		41	1/2	Yes	179	3000				DP
4		3617	78	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2900				DP
5		3619	78	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2500				DP
6		3619	78	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2500				DP
7		3619	71	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2900				DP
8		3616	71	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2900				DP
9		3616	71	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2900				DP
10		3616	71	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2900				DP
11		3616	71	105	136	156	116		140	152	158		178		41	1/2	Yes	179	3000				DP
12N		3615	71	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2900				DP
1PM		3616	71	105	136	156	116		140	152	158		178		41	1/2	Yes	179	3000				DP
2		3616	71	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2900				DP
3		3600	74	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2900				DP
4		3600	74	105	136	156	116		140	152	158		178		41	1/2	Yes	179	3000				DP
5		3600	76	105	136	156	116		140	152	158		178		41	1/2	Yes	179	3000				DP
6		3600	76	105	136	156	116		140	152	158		178		41	1/2	Yes	179	3000				DP
7		3600	76	105	136	156	116		140	152	158		178		41	1/2	Yes	179	3000				DP
8		3600	76	105	136	156	116		140	152	158		178		41	1/2	Yes	179	3100				DP
9		3600	78	105	136	156	116		140	152	158		178		41	1/2	Yes	179	3100				DP
10		3600	78	105	136	156	116		140	152	158		178		41	1/2	Yes	179	2800				DP
11		3600	78	105	136	156	116		140	152	158		178		41	1/2	Yes	179					

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4/8/23

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	
12M	558	559	558	561	563	456					490			82					23	153	62	31	53	54	DP
1AM	576	576	575	579	581	458					500			82					23	153	62	31	53	54	DP
2	576	575	575	578	581	458					508			82					23	153	62	31	53	54	DP
3	562	562	563	564	567	455					492			82					23	153	62	31	53	54	DP
4	562	562	562	565	568	455					493			82					23	153	62	31	53	54	DP
5	555	555	554	558	560	454					487			82					23	153	62	31	53	54	DP
6	555	555	555	558	560	455					489			82					23	153	62	31	53	54	DP
7	554	554	554	557	559	454					487			82					23	153	62	31	53	54	DP
8	556	556	556	559	561	455					487			76					23	153	62	31	53	54	DP
9	563	563	562	566	568	455					491			76					23	153	62	31	53	54	DP
10	563	563	563	566	569	455					491			76					23	153	62	31	53	54	DP
11	564	564	563	567	569	459					492			76					23	153	62	31	53	54	DP
12N	566	566	565	569	571	455					494			76					23	153	62	31	53	54	DP
1PM	565	565	564	568	570	456					493			76					23	153	62	31	53	54	DP
2	565	565	565	568	570	456					493			76					23	153	62	31	53	54	DP
3	565	566	565	568	570	456					493			80					23	156	62	31	52	54	DP
4	565	565	565	568	570	456					493			80					23	156	62	31	52	54	DP
5	570	570	570	573	575	461					499			80					23	156	62	31	52	54	DP
6	570	570	570	573	575	461					499			80					23	156	62	31	52	54	DP
7	570	570	570	573	575	461					495			80					23	156	62	31	52	55	DP
8	570	570	570	573	575	461					495			80					23	156	62	31	52	55	DP
9	566	566	565	569	572	456					495			82					23	156	62	31	52	55	DP
10	566	566	565	569	572	456					495			82					23	156	62	31	52	55	DP
11	562	562	561	565	567	456					495			82					23	156	62	31	52	55	DP

General Notes: _____

Site One

Sewerage and Water Board of New Orleans

[illegible] Turbine Log

Date: 4-9-23

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(?)	Gear Brg. No.4 Temp	Generator Brg. Temp (?)	Oil Tank Level	Oil Level Ok / Oil Pump Yes/No / Add If Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3600	72	105	136	156	118		140	152	158		178		41	1/2	Yes	179	2700				[signature]
1AM		3600	72	105	136	156	118		140	152	158		178		41	1/2	Yes	179	2600				[signature]
2		3600	72	105	136	156	118		140	152	158		178		41	1/2	Yes	179	2600				[signature]
3		3600	72	105	136	156	118		140	152	158		178		41	1/2	Yes	179	2700				[signature]
4		3600	76	105	136	156	118		140	152	158		178		41	1/2	Yes	179	2700				[signature]
5		3600	76	105	134	156	118		140	152	158		178		41	1/2	Yes	179	2700				[signature]
6		3600	76	105	136	156	118		140	152	158		178		41	1/2	Yes	179	2700				[signature]
7		3619	74	105	136	156	118		140	152	156		178		41	1/2	yes	179	2600				E.E.
8		3617	73	105	136	156	118		140	153	156		178		41	1/2	yes	179	2900				E.E.
9		3617	74	106	130	155	119		142	153	156		177		41	1/2	yes	179	2900				E.E.
10		3617	74	106	136	155	119		142	153	156		178		41	1/2	yes	179	2900				E.E.
11		3616	72	106	136	156	120		142	153	156		178		41	1/2	yes	179	2900				E.E.
12N		3617	72	106	137	155	118		140	152	155		178		41	1/2	yes	178	2900				E.E.
1PM		3616	70	106	137	155	118		142	153	155		178		41	1/2	yes	178	3100				E.E.
2		3615	68	106	136	156	118		138	150	156		177		41	1/2	yes	179	3100				E.E.
3		3600	70	106	136	156	118		140	152	156		178		41	1/2	Yes	178	2900				[signature]
4		3600	70	106	136	156	118		140	152	154		178		41	1/2	Yes	178	2900				[signature]
5		3600	70	106	136	156	118		140	152	156		178		41	1/2	Yes	178	3100				[signature]
6		3600	70	106	136	156	118		140	152	156		178		41	1/2	Yes	178	3100				[signature]
7		3600	70	106	136	156	118		140	152	154		178		41	1/2	Yes	178	3200				[signature]
8		3600	70	106	136	156	118		140	155	156		178		41	1/2	Yes	178	3100				[signature]
9		3600	70	106	136	156	118		140	152	156		178		41	1/2	Yes	178	3100				[signature]
10		3600	70	106	136	156	118		140	152	156		178		41	1/2	Yes	178	2900				[signature]
11		3600	70	106	136	156	118		140	155	156		178		41	1/2	Yes	178	2900				[signature]

General Notes:

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 7-9-23

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. Discharge 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	
12M	558	558	558	561	564	<155					<193			78					22	152	64	31	53	55	
1AM	552	552	556	561	564	455					<193			78					22	152	64	31	53	55	
2	550	550	552	558	559	<159					494			78					22	152	64	31	53	55	
3	550	550	552	558	559	<159					494			78					22	152	64	31	53	55	
4	547	547	547	550	550	<148					489			78					22	152	64	31	53	55	
5	547	547	547	550	550	<148					<189			78					22	152	64	31	53	55	
6	547	547	547	550	550	448					<189			78					22	152	64	31	53	55	
7	541	542	541	545	547	448					480			78					22.5	152	63	31	53	55	E.E.
8	549	549	548	552	554	448					483			78					23	152	64	31	53	55	E.E.
9	548	548	547	550	552	447					483			79					23	153	64	31	53	55	E.E.
10	550	550	549	553	555	449					484			79					23	153	64	31	53	55	E.E.
11	551	551	550	554	556	450					485			79					23	152	64	31	53	54	E.E.
12N	551	551	550	554	556	450					485			79					23	153	64	30.5	53	55	E.E.
1PM	554	554	553	559	561	451					487			78					23	153	64	31	53	55	E.E.
2	555	554	554	557	560	451					487			76					23	153	64	31	53	55	E.E.
3	555	554	554	557	560	451					<187			76					23	153	64	31	53	55	
4	555	554	554	557	560	<151					487			72					23	153	64	31	53	55	
5	557	557	556	560	563	453					<194			72					23	153	64	31	53	55	
6	557	557	556	560	563	<153					<194			72					23	153	64	31	53	55	
7	554	554	553	560	563	<163					<194			72					23	153	64	31	53	55	
8	554	554	553	560	563	<153					498			72					23	153	64	31	53	55	
9	554	554	553	558	560	<149					492			72					23	153	64	31	53	55	
10	548	548	548	552	554	<199					<190			72					23	153	64	31	53	55	
11	548	548	548	552	554	<199					<190			72					23	153	64	31	53	55	

General Notes:

Sewerage and Water Board of New Orleans

[illegible] Turbine Log

Date: 4-10-23

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.(4)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes/No Add if Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3600	68	106	136	156	118		140	152	159		178		41	1/2	Yes	179	2900				[signature]
1AM		3600	68	106	136	156	118		140	152	159		178		41	1/2	Yes	179	2900				[signature]
2		3600	68	106	136	156	118		140	152	159		178		41	1/2	Yes	179	3100				[signature]
3		3600	68	106	136	156	118		140	152	159		178		41	1/2	Yes	179	3100				[signature]
4		3600	68	106	136	156	118		140	152	159		178		41	1/2	Yes	179	3000				[signature]
5		3600	68	106	136	156	118		140	152	159		178		41	1/2	Yes	179	3900				[signature]
6		3600	68	106	136	156	118		140	152	159		178		41	1/2	Yes	179	3900				[signature]
7		3615	68	106	136	156	118		140	152	159		178		41	1/2	yes	179	3200				E.E.
8		3615	68	106	136	156	118		140	152	158		178		41	1/2	yes	179	3100				E.E.
9		3615	69	106	136	155	119		140	152	158		179		41	1/2	yes	179	3100				E.E.
10		3616	69	106	137	156	118		139	153	157		179		41	1/2	yes	178	3100				E.E.
11		3612	70	106	137	156	119		139	153	157		179		41	1/2	yes	178	3000				E.E.
12N		3615	70	106	136	156	118		139	153	158		179		41	1/2	yes	178	3100				E.E.
1PM		3615	72	106	136	155	118		139	153	157		179		41	1/2	yes	178	3100				E.E.
2		3615	72	106	135	155	118		138	153	157		178		41	1/2	yes	178	3100				E.E.
3		3600	72	106	136	156	118		138	153	156		178		41	1/2	Yes	178	3000				[signature]
4		3600	76	106	136	156	118		138	152	158		178		41	1/2	Yes	178	3000				[signature]
5		3600	76	106	136	156	118		138	152	158		178		41	1/2	Yes	178	2900				[signature]
6		3600	[illegible]	106	136	156	118		138	152	158		178		41	1/2	Yes	178	3000				[signature]
7		3600	[illegible]	106	136	156	118		138	152	158		178		41	1/2	Yes	178	3000				[signature]
8		3600	72	106	136	156	118		138	152	158		178		41	1/2	Yes	178	3000				[signature]
9		3600	72	106	136	156	118		138	152	158		178		41	1/2	Yes	178	3000				[signature]
10		3600	72	106	136	156	118		138	152	158		178		41	1/2	Yes	178	3000				[signature]
11		3617	72	106	136	158	118		138	154	158		178		41	1/2	yes	178	3000				[signature]

General Notes:

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4-10-23

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	
12M	546	546	546	549	552	<498					<490			70					22	152	64	32	52	55	Ky
1AM	546	546	546	549	552	498					490			70					22	152	64	32	52	55	Ky
2	546	546	546	549	552	498					<482			70					22	152	64	32	52	55	Ky
3	548	548	548	551	556	<499					<488			70					22	152	64	32	52	55	Ky
4	548	548	548	551	559	449					<483			70					22	152	64	32	52	55	Ky
5	549	549	549	554	556	447					483			68					22	152	64	32	52	55	Ky
6	549	549	549	554	556	447					483			68					22	152	64	32	52	55	Ky
7	554	554	553	557	560	449					487			68					22	152	64	32	53	54	E.E.
8	556	556	556	559	562	451					487			68					22	153	64	32	53	54	E.E.
9	557	557	557	561	563	452					488			68					23	153	64	32	53	54	E.E.
10	561	560	559	563	566	453					490			69					23	153	64	32	53	54	E.E.
11	563	563	562	566	566	456					492			69					23	153	64	32	52	54	E.E.
12N	568	568	566	571	573	459					494			70					23	153	64	32	53	54	E.E.
1PM	568	568	567	571	573	459					496			70					23	153	64	32	53	55	E.E.
2	572	572	571	575	577	462					499			72					23	153	64	32	53	54	E.E.
3	572	572	571	575	577	462					<499			72					23	153	64	32	53	54	Ky
4	570	570	569	575	577	462					<499			72					23	153	64	32	53	55	Ky
5	570	570	569	573	575	<460					<499			78					23	153	64	32	53	55	Ky
6	570	570	569	573	575	<460					<499			78					23	153	64	32	53	55	Ky
7	567	570	569	573	572	457					<496			78					23	153	64	32	53	55	Ky
8	567	567	566	570	572	457					496			78					23	153	64	32	53	55	Ky
9	564	565	564	568	570	457					495			78					23	153	64	32	53	55	Ky
10	564	566	564	568	570	457					495			78					23	153	64	32	53	55	Ky
11	557	557	556	560	562	454					490			78					23	155	64	32	53	55	(c.o.)

General Notes: _____

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4-11-23

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.(4)	Oil Tank Level	Oil Level OK in Aux. Oil Pump Yes / No - *Add if Needed*	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3617	72	106	136	158	118		138	154	158		178		°41	1/2	yes	178	2800				cdl 2Ba
1AM		3617	72	106	136	158	118		138	154	158		177		°41	1/2	yes	178	2800				cdl 2Ba
2		3617	71	106	136	158	116		138	152	158		176		°41	1/2	yes	177	2800				cdl 2Ba
3		3617	70	106	136	156	116		138	152	160		176		°41	1/2	yes	177	2800				cdl 2Ba
4		3617	70	106	136	156	116		138	151	160		176		°41	1/2	yes	177	2800				cdl 2Ba
5		3617	69	106	136	156	116		138	150	160		176		°41	1/2	yes	178	2800				cdl 2Ba
6		3618	68	106	136	156	116		138	150	159		176		°41	1/2	yes	177	2800				cdl 2Ba
7		3608	68	106	136	156	116		138	150	159		176		41	1/2	Yes	179	3000				DP
8		3616	68	106	136	156	116		138	150	159		176		41	1/2	Yes	177	3800				DP
9		3616	68	106	136	156	116		138	150	159		176		41	1/2	Yes	177	3800				DP
10		3616	68	106	136	156	116		138	150	159		176		41	1/2	Yes	177	2900				DP
11		3615	68	106	136	156	116		138	150	159		176		41	1/2	Yes	177	3000				DP
12N		3615	77	106	136	158	116		140	150	159		176		41	1/2	Yes	178	3000				DP
1PM		3615	77	106	136	158	116		140	150	159		178		41	1/2	Yes	178	3000				DP
2		3615	77	106	136	158	116		140	150	159		176		41	1/2	Yes	178	3000				DP
3		3600	77	106	136	158	116		140	155	160		178		<41	1/2	Yes	179	3000				Ng
4		3600	68	106	136	158	116		140	155	160		178		<41	1/2	Yes	179	3100				Ng
5		3600	68	106	136	158	116		140	155	160		178		<41	1/2	Yes	179	3100				Ng
6		3600	68	106	136	158	116		140	155	160		178		<41	1/2	Yes	179	3100				Ng
7		3600	68	106	136	158	116		140	155	160		178		<41	1/2	Yes	179	3100				Ng
8		3600	68	106	136	158	116		140	155	160		178		<41	1/2	Yes	179	3400				Ng
9		3600	70	106	136	158	116		140	155	160		178		<41	1/2	Yes	179	3400				Ng
10		3600	70	106	136	158	116		140	155	160		178		<41	1/2	Yes	179	3100				Ng
11		3616	70	106	136	156	116		140	153	160		178		°41	1/2	yes	178	3000				cdl 2Ba

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4-11-23

Time	Point No. 1 Exhaust Temp	Point No. 2 Cooler 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 Sump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
12M	556	557	556	559	561	454					489			76					23	155	64	32	53	55	a ll
1AM	558	558	557	561	567	455					490			76					23	155	64	32	53	55	a ll
2	557	557	556	560	562	454					490			76					23	155	64	32	53	55	a ll
3	556	556	555	559	561	453					489			75					23	155	64	32	53	55	a ll
4	555	555	554	558	560	452					488			75					23	155	64	32	53	55	a ll
5	552	552	555	555	557	451					486			75					23	155	64	32	53	55	a ll
6	548	548	548	551	553	450					485			75					23	155	64	32	53	55	DP
7	557	557	556	560	562	453					489			75					23	155	64	32	53	55	DP
8	557	557	556	560	562	454					491			75					23	155	64	32	53	55	DP
9	561	561	560	564	566	456					493			75					23	155	64	32	53	55	DP
10	561	561	561	565	567	456					493			75					23	155	64	32	53	55	DP
11	563	563	562	567	569	457					493			78					23	155	64	32	53	55	DP
12N	570	570	569	573	575	460					497			78					23	155	64	32	53	55	DP
1PM	570	570	569	573	575	461					497			78					23	155	64	32	53	55	DP
2	570	570	569	572	575	460					497			78					23	155	64	32	53	55	Neg
3	570	570	569	572	575	460					497			78					23	155	64	32	53	55	Neg
4	568	568	567	570	573	458					496			78					23	155	64	32	53	55	Neg
5	568	568	567	570	573	458					496			78					23	155	64	32	53	55	Neg
6	568	568	567	570	573	458					496			78					23	155	64	32	53	55	Neg
7	586	586	589	590	590	459					486			78					23	155	64	32	53	55	Neg
8	586	586	589	590	590	459					486			78					23	155	64	32	53	55	Neg
9	591	591	589	593	598	461					510			78					23	155	64	32	53	55	Neg
10	591	591	589	593	598	461					510			78					23	155	64	32	53	55	Neg
11	565	565	564	568	571	458					495			77					27	155	64	31	53	55	a ll

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4-12-23

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.(G)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No - Add if Needed	Incoming Gas Press	Kilowatts				Reading Taken By:
12M		3616	70	106	176	156	116		140	153	160		177		°41	1/2	yes	178	3000				
1AM		3616	70	106	136	156	116		140	153	160		177		°41	1/2	yes	178	3000				
2		3616	72	106	136	156	116		140	153	160		177		°41	1/2	yes	177	3000				
3		3617	73	106	136	156	116		140	153	160		176		°41	1/2	yes	177	3000				
4		3616	73	106	136	156	116		140	153	160		176		°41	1/2	yes	178	3000				
5		3616	73	106	136	156	116		140	153	160		176		°41	1/2	yes	178	3000				
6		3618	72	106	136	156	116		140	153	160		176		°41	1/2	yes	177	2700				
7		3617	72	106	136	156	116		140	153	160		176		41	1/2	Yes	178	2900				D.P.
8		3617	72	106	136	156	116		140	153	160		176		41	1/2	Yes	177	2800				D.P.
9		3618	72	106	136	156	116		140	153	160		176		41	1/2	Yes	177	2900				D.P.
10		3617	72	106	136	156	116		140	153	160		176		41	1/2	Yes	177	2800				D.P.
11		3617	72	106	136	156	116		140	153	160		176		41	1/2	Yes	178	2800				D.P.
12N		3612	72	106	136	156	116		140	153	160		176		41	1/2	Yes	178	3600				D.P.
1PM		3611	72	106	136	156	116		140	153	160		176		41	1/2	Yes	178	3600				D.P.
2		3614	72	106	136	156	116		140	153	160		176		41	1/2	Yes	178	3200				D.P.
3		3600	72	106	136	156	116		140	153	160		176		41	1/2	Yes	178	2700				
4		3600	72	106	136	156	116		140	153	160		176		41	1/2	Yes	178	2700				
5		3600	72	106	136	156	116		140	153	160		176		41	1/2	Yes	178	3000				
6		3600	72	106	136	156	116		140	153	160		176		41	1/2	Yes	178	3100				
7		3600	68	106	136	156	116		140	153	160		176		41	1/2	Yes	178	3100				
8		3600	68	106	136	156	116		140	153	160		176		41	1/2	Yes	178	3200				
9		3600	68	106	136	156	116		140	153	160		176		41	1/2	Yes	178	3200				
10		3600	68	106	136	156	116		140	153	160		176		41	1/2	Yes	178	3100				
11		3615	70	106	136	156	116		140	153	158		176		NA	1/2	yes	177	3300				

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4-12-23

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 Temp.	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Outlet	Lube Oil Reg. Header	Lube Oil Pump Disch.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
12M	565	565	563	567	569	457					499			77					23	155	64	31	53	55	a LR
1AM	563	563	562	565	568	456					494			77					23	155	64	31	53	55	a LR
2	562	562	561	564	567	455					493			77					23	155	64	31	53	55	a LR
3	564	564	563	566	569	457					494			77					23	155	64	31	53	55	a LR
4	562	562	561	564	567	455					492			77					23	155	64	31	53	55	a LR
5	560	560	559	562	565	454					491			77					23	155	64	31	53	55	a LR
6	554	554	553	556	558	451					487			77					23	155	64	31	53	55	D.P.
7	555	555	554	557	560	453					488			74					23	155	64	31	53	55	D.P.
8	555	555	554	558	560	453					487			74					23	155	64	31	53	55	D.P.
9	556	556	555	559	561	454					488			74					23	155	64	31	53	55	D.P.
10	557	557	555	559	561	454					489			74					23	155	64	31	53	55	D.P.
11	560	560	559	562	564	456					490			74					23	155	64	31	53	55	D.P.
12N	578	578	577	581	584	459					501			74					23	155	64	31	53	55	D.P.
1PM	582	582	580	584	588	460					504			74					23	155	64	31	53	55	D.P.
2	570	570	569	572	576	459					490			74					23	155	64	31	53	55	D.P.
3	558	559	558	561	563	457					491			76					23	155	64	32	54	55	
4	559	559	558	561	563	457					491			76					23	155	64	32	54	55	
5	564	564	563	566	570	456					494			76					23	155	64	32	54	55	
6	564	564	563	566	570	456					494			76					23	155	64	32	54	55	
7	567	566	565	569	572	456					494			76					23	155	64	32	54	55	
8	567	566	565	569	572	456					497			76					23	155	64	32	54	55	
9	567	566	565	569	572	456					497			76					23	155	64	32	54	55	
10	567	566	565	569	572	454					496			76					23	155	64	31	53	55	a LR
11	563	563	561	564	567	452					492			76											

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4-13-23

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		3615	70	106	136	156	116		140	153	158		176		N/A	1/2	yes	178	3300				cdt eb
1AM		3616	69	106	136	156	116		138	152	156		174		N/A	1/2	yes	178	4000				cdt eb
2		3612	68	100	136	156	116		132	150	155		174		N/A	1/2	yes	177	3700				cdt eb
3		3615	68	106	136	156	116		138	150	156		174		N/A	1/2	yes	178	3300				cdt eb
4		3615	68	106	136	156	116		138	150	156		174		N/A	1/2	yes	178	3200				cdt eb
5		3617	68	106	136	156	116		138	150	156		174		N/A	1/2	yes	177	2900				cdt eb
6		3617	68	106	136	156	116		138	150	156		174		N/A	1/2	yes	177	3000				cdt eb
7		3619	68	106	136	156	116		138	150	156		174		N/A	1/2	Yes	177	2900				D.Peters
8		3619	68	106	136	156	116		138	150	156		174		N/A	1/2	Yes	177	3000				D.Peters
9		3615	68	106	136	156	116		138	150	156		174		N/A	1/2	Yes	177	3000				D.Peters
10		3617	70	106	136	156	116		138	150	156		174		N/A	1/2	Yes	177	2800				D.Peters
11		3619	70	106	136	156	116		139	150	156		174		N/A	1/2	Yes	177	2600				D.Peters
12N		3617	70	106	136	156	116		138	150	156		174		N/A	1/2	Yes	177	3000				D.Peters
1PM		3616	70	106	136	156	116		138	150	156		174		N/A	1/2	Yes	178	3000				D.Peters
2		3616	70	106	136	156	116		138	150	156		174		N/A	1/2	Yes	178	3000				D.Peters
3		3618	72	106	136	150	117		137	150	156		178		N/A	1/2	yes	178	3000				E. Easterling
4		3617	72	106	136	155	116		137	150	156		175		N/A	1/2	yes	179	3000				E. Easterling
5		3618	72	105	136	155	117		137	150	155		175		N/A	1/2	yes	179	3000				E. Easterling
6		3617	72	106	136	155	117		138	150	156		175		N/A	1/2	yes	179	3000				E. Easterling
7		3617	72	106	136	155	117		138	151	156		175		N/A	1/2	yes	178	3000				E. Easterling
8		3616	70	106	135	155	116		137	150	155		174		N/A	1/2	yes	178	3200				E. Easterling
9		3615	70	105	136	156	117		138	150	156		174		N/A	1/2	yes	178	3400				E. Easterling
10		3617	70	105	136	156	117		138	150	156		174		N/A	1/2	yes	178	3100				E. Easterling
11		3619	70	106	136	156	116		138	151	156		174		N/A	1/2	yes	178	2700				cdt eb

General Notes: _____

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4/17/23

Time	Point No.1 Exhaust Temp.	Point No. 2 Exhaust Temp.	Point No. 3 Exhaust Temp.	Point No. 5 Exhaust Temp.	Point No. 6 Exhaust Temp.	Point No. 8 Comp Discs. 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 Temp.	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	564	564	562	565	569	453					493			76					23	155	64	31	53	55	a k
1AM	575	575	573	576	580	453					495			75					23	155	64	31	53	55	a k
2	569	569	567	571	575	452					491			74					23	155	64	31	53	55	a k
3	560	560	558	562	565	451					492			74					23	155	64	31	53	55	a k
4	557	557	556	560	562	451					490			74					23	155	64	31	53	55	a k
5	550	550	549	553	555	449					486			74					23	155	64	31	53	55	a k
6	554	554	552	556	558	451					487			74					23	155	64	31	53	55	DP
7	546	546	545	548	551	450					483			74					23	155	64	31	53	55	DP
8	554	554	553	557	560	451					487			74					23	155	64	31	53	55	DP
9	557	557	555	559	562	452					489			74					23	155	64	31	53	55	DP
10	551	551	550	553	555	453					486			74					23	155	64	31	53	55	DP
11	550	550	549	552	554	452					485			74					23	155	64	31	53	55	DP
12N	560	560	558	562	565	455					491			74					23	155	64	31	53	55	DP
1PM	562	562	561	565	567	457					493			74					23	155	64	31	53	55	DP
2	564	563	562	565	569	458					494			74					23	155	64	31	53	55	E.E.
3	564	563	562	565	568	459					494			74					23	155	64	31	53	55	E.E.
4	566	566	565	568	571	459					496			74					23	155	64	31	53	55	E.E.
5	568	568	567	570	572	460					496			74					23	156	64	31	54	55	E.E.
6	568	568	567	571	572	460					498			75					23	155	64	31	54	55	E.E.
7	567	567	565	569	572	459					497			74					23	156	64	30	54	55	E.E.
8	566	566	565	568	571	458					496			74					23	155	63	31	54	55	E.E.
9	569	569	568	571	574	455					497			74					23	155	63	31	54	55	E.E.
10	561	561	559	563	566	455					492			74					23	155	64	31	54	55	a k
11	548	548	547	550	553	451					484			74											

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4-19-22

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 if Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3619	70	106	136	156	116		138	151	156		174		NA	1/2	yes	178	2700				[illegible]
1AM		3619	70	106	136	156	116		138	151	156		174		NA	1/2	yes	178	2700				[illegible]
2		3619	70	106	136	156	116		138	151	156		174		NA	1/2	yes	177	2700				[illegible]
3		3619	70	106	136	156	116		136	150	155		174		NA	1/2	yes	177	2700				[illegible]
4		3619	70	106	136	156	116		136	150	155		174		NA	1/2	yes	178	2700				[illegible]
5		3618	70	106	136	156	116		136	150	155		174		NA	1/2	yes	178	2800				[illegible]
6		3616	70	106	136	156	116		136	150	155		174		NA	1/2	yes	177	3000				[illegible]
7		3616	70	106	136	156	116		136	150	155		174		N/A	1/2	Yes	177	3000				D.P.
8		3616	70	106	136	156	116		136	150	155		174		N/A	1/2	Yes	177	3000				D.P.
9		3610	70	106	136	156	116		136	150	155		174		N/A	1/2	Yes	177	3800				D.P.
10		3610	70	106	136	156	116		136	150	155		174		N/A	1/2	Yes	177	3800				D.P.
11		3616	70	106	136	156	116		136	150	155		174		N/A	1/2	Yes	177	3000				D.P.
12N		3619	70	106	136	156	116		136	150	155		174		N/A	1/2	Yes	178	2600				D.P.
1PM		3619	70	106	136	156	116		136	150	155		174		N/A	1/2	Yes	178	2600				D.P.
2		3620	70	106	136	156	116		136	150	155		174		N/A	1/2	Yes	178	2600				D.P.
3		3621	74	106	136	156	117		136	150	155		174		N/A	1/2	yes	178	2600				E.E.
4		3621	74	106	135	155	116		136	150	155		174		N/A	1/2	yes	178	2600				E.E.
5		3620	73	106	135	155	117		136	150	155		174		N/A	1/2	yes	178	2700				E.E.
6		3618	73	106	135	155	116		135	151	155		173		N/A	1/2	yes	177	2900				E.E.
7		3617	73	106	136	156	117		136	151	156		174		N/A	1/2	yes	178	3100				E.E.
8		3615	72	106	136	156	116		135	150	155		173		N/A	1/2	yes	178	3300				E.E.
9		3616	72	106	135	155	117		135	150	155		173		N/A	1/2	yes	178	3400				E.E.
10		3616	70	106	135	154	116		135	150	155		174		N/A	1/2	yes	178	3300				E.E.
11		3615	70	106	136	156	116		135	150	156		174		N/A	1/2	Yes	178	3100				[illegible]

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4-14-23

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	
12M	547	547	546	549	552	449					483			74					23	155	64	31	54	55	a LR
1AM	546	546	545	548	551	449					482			74					23	155	64	31	54	55	a LR
2	548	548	547	550	553	450					483			74					23	155	64	31	54	55	a LR
3	547	547	546	549	552	450					482			74					23	155	64	31	54	55	a LR
4	549	549	548	551	555	452					483			74					23	155	64	31	54	55	a LR
5	549	549	548	551	553	452					484			74					23	155	63	31	54	55	a LR
6	553	553	551	555	558	449					486			74					23	155	63	31	54	55	D.P.
7	551	551	550	550	554	449					485			74					23	155	63	31	54	55	D.P.
8	556	555	554	557	560	452					487			74					23	155	63	31	54	55	D.P.
9	589	589	586	590	594	463					507			74					23	155	63	31	54	55	D.P.
10	589	589	585	588	593	463					507			74					23	155	63	31	54	55	D.P.
11	573	573	571	575	578	463					500			74					23	155	63	31	54	55	D.P.
12N	564	564	564	567	569	462					496			74					23	155	63	31	54	55	D.P.
1PM	570	570	569	572	576	467					499			74					23	155	63	31	54	55	D.P.
2	572	572	571	574	576	469					502			74					23	155	63	31	54	55	E.E.
3	573	573	572	575	578	470					502			74					23	155	64	31	54	55	E.E.
4	573	573	572	574	577	471					503			74					23	154	64	31	54	55	E.E.
5	575	574	572	575	579	466					502			73					23	155	64	31	54	55	E.E.
6	575	574	573	576	579	466					504			73					23	155	64	31	54	55	E.E.
7	579	579	577	580	583	465					504			73					23	155	64	31	54	55	E.E.
8	579	579	577	580	583	463					503			73					23	155	63	31	54	55	E.E.
9	577	576	575	578	582	461					502			73					23	155	63	31	54	55	E.E.
10	575	575	574	577	580	461					498			73					23	155	63	31	54	55	Ja
11	570	570	568	572	575	458																			

General Notes:

Side One

Sewerage and Water Board of New Orleans

[illegible] Turbine Log

Date: 4-15-23

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	Gear Brg No.4 Temp	Generator Brg Temp	Oil Tank Level	Oil Level in Aux Oil Pump	Incoming Gas Press	Kilowatts				Reading Taken By
12M		3600	70	106	136	156	116		136	156	156		174		N/A	1/2	Yes	178	3100				[illegible]
1AM		3600	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3100				[illegible]
2		3600	72	106	136	156	116		136	156	156		174		N/A	1/2	Yes	178	3000				[illegible]
3		3600	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3000				[illegible]
4		3600	72	106	136	154	116		136	150	156		174		N/A	1/2	Yes	178	2700				[illegible]
5		3600	72	106	136	154	116		136	150	156		174		N/A	1/2	Yes	178	2700				[illegible]
6		3600	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	2600				[illegible]
7		3613	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3300				DP
8		3613	72	106	136	156	116		136	150			174		N/A	1/2	Yes	178	3300				DP
9		3613	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3400				DP
10		3613	72	106	[illegible]	156	116		136	150	156		174		N/A	1/2	Yes	178	3400				DP
11		3613	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3400				DP
12N		3610	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3800				DP
1PM		3613	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3500				DP
2		3627	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	179	3600				DP
3		3643	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	179	4400				DP
4		3643	72	106	130	156	116		136	180	156		174		N/A	1/2	Yes	179	4300				DP
5		3643	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	179	4800				DP
6		3633	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	179	3300				DP
7		3632	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	179	3300				DP
8		3633	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	179	3300				DP
9		3627	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	179	4200				DP
10		3627	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	179	4100				DP
11		3600	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	4300				[illegible]

General Notes:

Sewerage & Water Board of New Orleans

#5 Turbine Log

Date: 4-15-23

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	
12M	570	570	568	572	575	458					498			73					23	155	63	31	54	55	
1AM	570	570	568	572	575	458					<498			76					23	155	63	31	54	55	
2	570	570	568	572	575	458					<498			76					23	155	63	31	54	55	
3	570	570	568	572	575	458					490			76					23	155	63	31	54	55	
4	560	560	558	562	575	967					490			76					23	155	63	31	54	55	
5	560	560	558	562	565	457					<490			76					23	155	63	31	54	55	
6	568	558	557	561	563	458					<489			76					23	155	63	31	54	55	
7	577	577	578	579	582	460					500			76					23	155	63	31	54	55	DP
8	577	578	574	579	582	460					500			76					23	155	63	31	54	55	DP
9	580	581	574	580	585	466					505			76					23	155	63	31	54	55	DP
10	585	585	585	585	590	468					508			76					23	155	63	31	54	55	DP
11	590	590	588	592	595	468					509			76					23	155	63	31	54	55	DP
12N	602	602	599	603	607	469					517			76					23	155	63	31	54	55	DP
1PM	590	590	588	592	596	465					511			76					23	155	63	31	54	55	DP
2	705	705	703	706	710	471					588			76					23	155	63	31	54	55	DP
3	607	606	604	607	613	464					530			76					23	155	63	31	54	55	DP
4	595	595	593	596	601	463					524			76					23	155	63	31	54	55	DP
5	591	591	589	593	597	463					517			76					23	155	63	31	54	55	DP
6	572	572	571	575	578	459					502			76					23	155	63	31	54	55	DP
7	574	573	572	576	579	459					502			76					23	155	63	31	54	55	DP
8	574	574	572	576	580	460					502			76					23	155	63	31	54	55	DP
9	592	591	589	589	593	461					512			76					23	155	63	31	54	55	DP
10	591	591	589	592	596	462					513			76					23	155	63	31	54	55	DP
11	597	595	591	593	598	460					513			76					23	155	63	31	54	55	

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4-16-23

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(3?)	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		3600	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	4300				
1AM		3600	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	4000				
2		3600	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	4000				
3		3600	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3400				
4		3600	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	4200				
5		3600	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	4300				
6		3600	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	4400				
7		3630	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3600				DP
8		3630	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3600				DP
9		3616	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3500				DP
10		3616	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3200				DP
11		3616	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3800				DP
12N		3611	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3900				DP
1PM		3612	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3900				DP
2		3612	72	106	136	156	116		136	150	156		174		N/A	1/2	Yes	178	3900				DP
3		3600	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	178	3800				
4		3600	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	179	3800				
5		3600	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	179	3600				
6		3600	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	179	3600				
7		3600	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	179	3200				
8		3600	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	178	3200				
9		3600	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	178	3200				
10		3600	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	178	3200				
11		360	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	178	3200				

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4-16-23

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. Relief Outlet	Exhaust Detector Left	Exhaust Detector Right	
12M	597	595	591	593	594	460					513			76					23	155	63	31	54	55	
1AM	597	595	591	593	594	460					513			76					23	155	63	31	54	55	
2	569	595	567	571	575	456					500			76					23	155	63	31	54	55	
3	569	569	567	571	575	456					500			76					23	155	63	31	54	55	
4	587	587	584	588	592	457					509			76					23	155	63	31	54	55	
5	587	586	584	587	592	456					509			76					23	155	63	31	54	55	
6	584	584	581	585	589	457					507			76					23	155	63	31	54	55	
7	572	572	571	574	578	456					501			76					23	155	63	31	54	55	DP
8	572	572	570	573	577	456					501			76					23	155	63	31	54	55	DP
9	569	569	567	571	575	456					500			76					23	155	63	31	54	55	DP
10	564	564	563	566	570	454					496			76					23	155	63	31	54	55	DP
11	563	563	562	565	568	453					495			76					23	155	63	31	54	55	DP
12N	580	579	577	581	585	456					503			76					23	155	63	31	54	55	DP
1PM	579	579	578	581	585	457					505			76					23	155	63	31	54	55	DP
2	581	581	579	582	587	458					506			76					23	155	63	31	54	55	
3	581	581	579	582	587	458					506			78					23	155	63	31	54	55	
4	575	575	576	579	582	459					500			78					23	155	63	31	54	55	
5	575	575	576	579	582	459					500			78					23	155	63	31	54	55	
6	569	569	568	571	575	460					500			78					23	155	63	31	54	55	
7	569	569	568	571	575	460					498			78					23	155	63	31	54	55	
8	565	565	563	567	570	456					498			78					23	155	63	31	54	55	
9	565	565	563	567	570	456					498			78					23	155	63	31	54	55	
10	563	565	563	567	570	456					498			78					23	155	63	31	54	55	
11	563	563	562	565	569	455					496			78					23	155	63	31	54	55	

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date:

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.(S)	Oil Tank Level	Oil Level OK to Aux. Oil Pump Yes / No - Add If Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3600	72	106	136	156	116		136	150	158	174	174		N/A	1/2	Yes	178	3200				
1AM		3600	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	178	3200				
2		3600	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	178	3100				
3		3600	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	178	3000				
4		3600	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	178	3000				
5		3600	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	178	3000				
6		3600	72	106	136	156	116		136	150	158		174		N/A	1/2	Yes	178	3000				
7		3617	68	106	136	156	116		136	150	158		176		MA	1/2	yes	178	3200				a LR
8		3617	68	106	136	156	116		136	150	158		176		MA	1/2	yes	178	2900				a LR
9		3620	69	106	136	156	116		136	151	159		176		MA	1/2	yes	177	2700				a LR
10		3621	70	106	136	156	116		136	151	159		176		MA	1/2	yes	178	2700				a LR
11		3619	71	106	136	156	116		136	152	160		177		MA	1/2	yes	178	3000				a LR
12N		3619	72	106	136	156	116		136	153	160		177		MA	1/2	yes	178	3000				a LR
1PM		3619	74	106	136	156	116		136	153	160		177		MA	1/2	yes	177	2900				a LR
2		3619	76	106	136	156	116		136	153	160		177		MA	1/2	yes	177	2900				a LR
3		3619	78	106	136	158	116		136	155	160		178		MA	1/2	yes	178	2900				a LR
4		3619	78	106	136	158	116		136	155	159		180		MA	1/2	yes	178	3000				a LR
5		3619	78	106	136	158	116		136	155	158		180		MA	1/2	yes	178	3000				a LR
6		3620	77	106	136	158	116		136	155	158		180		MA	1/2	yes	177	3000				a LR
7		3618	76	106	136	158	116		136	155	158		180		MA	1/2	yes	177	3200				a LR
8		3616	74	106	136	158	116		138	154	158		180		MA	1/2	yes	177	3000				a LR
9		3620	72	106	136	158	118		140	153	159		179		MA	1/2	yes	177	2900				a LR
10		3620	72	106	136	158	118		140	153	159		178		MA	1/2	yes	178	2900				a LR
11		3600	72	106	136	156	116		138	152	158		176		N/A	1/2	Yes	178	3000				

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4-17-23

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. Discn. 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 Discb.	Compressor Discharge	Temp. Relay Outlet	Exhaust Detector Left	Exhaust Detector Right	
12M	563	563	562	565	569	<495					496			78					23	155	63	31	54	55	
1AM	563	563	562	565	569	<495					496			78					23	155	63	31	54	55	
2	563	563	562	565	569	<495					490			78					23	155	63	31	54	55	
3	560	560	562	568	570	<488					490			78					23	155	63	31	54	55	
4	560	560	562	568	570	<488					<488			78					23	155	63	31	54	55	
5	553	553	551	552	555	<450					<488			78					23	155	63	31	54	55	
6	553	553	551	552	555	450					488			78					23	155	63	31	54	55	
7	555	555	553	557	560	451					489			72					23	155	64	31	54	55	
8	551	551	550	554	556	451					487			72					23	155	64	31	54	55	
9	550	550	548	552	554	453					487			73					23	155	64	31	54	55	
10	551	551	550	557	556	455					488			74					23	155	64	31	54	55	
11	560	560	560	562	566	457					492			75					23	155	64	31	54	55	
12N	561	561	560	563	567	458					495			76					23	155	64	31	54	55	
1PM	562	562	561	564	567	459					496			77					23	155	64	31	54	55	
2	565	565	564	567	570	460					498			78					23	155	64	31	54	55	
3	570	570	568	572	575	463					501			79					23	155	63	31	53	54	
4	571	571	569	574	577	464					503			80					23	155	63	31	53	54	
5	572	572	571	575	578	465					505			80					23	155	63	31	53	54	
6	573	573	572	575	578	465					505			79					23	155	63	31	53	54	
7	574	574	572	576	579	462					505			78					23	155	63	31	53	54	
8	561	561	560	562	566	457					494			77					23	155	63	31	53	54	
9	554	554	553	557	559	454					491			76					23	155	63	31	53	54	
10	555	555	553	557	559	454					491			76					23	155	63	31	53	54	
11	554	554	553	556	559	452					490			76					23	155	63	31	53	54	

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4-18-23

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(DT)	Gear Brg. No.4 Temp	Generator Brg. Temp.(G)	Oil Tank Level	Oil Level Ok in Aux. Oil Pump Yes / No - Add if Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3600	72	106	136	156	116		138	132	158		176		N/A	1/2	Yes	179	3000				Ke
1AM		3600	72	106	136	156	116		138	150	158		176		N/A	1/2	Yes	178	2800				Ke
2		3600	68	104	136	156	114		138	150	158		176		N/A	1/2	Yes	178	2800				Ke
3		3600	68	106	136	156	116		138	150	156		176		N/A	1/2	Yes	178	2800				Ke
4		3600	68	106	136	156	116		138	150	158		176		N/A	1/2	Yes	178	2800				Ke
5		3600	68	106	136	156	116		138	160	158		176		N/A	1/2	Yes	178	3000				Ke
6		3600	68	106	136	156	116		138	150	158		176		N/A	1/2	Yes	188	3000				Ke
7		3613	62	106	136	156	116		138	150	158		174		N/A	1/2	Yes	177	3900				a ke
8		3619	66	106	136	156	116		138	150	158		174		N/A	1/2	Yes	178	3000				a ke
9		3619	70	106	136	156	116		138	151	159		176		N/A	1/2	Yes	179	3000				a ke
10		3619	72	106	136	156	116		138	151	159		176		N/A	1/2	Yes	178	3000				a ke
11		3619	76	106	136	158	116		140	154	160		178		N/A	1/2	Yes	177	3000				a ke
12N		3621	78	106	136	158	116		140	155	160		178		N/A	1/2	Yes	179	2700				a ke
1PM		3622	80	106	136	158	116		140	155	160		180		N/A	1/2	Yes	178	2700				a ke
2		3622	80	106	136	158	118		140	155	160		180		N/A	1/2	Yes	178	2600				a ke
3		3622	80	106	136	158	118		140	155	160		180		N/A	1/2	Yes	178	2000				D Peters
4		3622	80	106	136	158	118		140	155	160		180		N/A	1/2	Yes	178	2600				D Peters
5		3622	80	106	136	158	118		140	155	160		180		N/A	1/2	Yes	178	2600				D Peters
6		3622	80	106	136	158	118		140	155	160		180		N/A	1/2	Yes	178	2600				D Peters
7		3620	80	106	136	158	118		140	155	160		180		N/A	1/2	Yes	179	2800				D Peters
8		3621	80	106	136	158	118		140	155	160		180		N/A	1/2	Yes	179	2800				D Peters
9		3618	80	106	136	158	118		140	155	160		180		N/A	1/2	Yes	179	3100				D Peters
10		3618	80	106	136	158	118		140	155	160		180		N/A	1/2	Yes	179	3100				D Peters
11		3600	72	106	136	158	118		140	155	160		176		N/A	1/2	Yes	178	3200				Ke

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4-18-23

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. 6 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 Temp	Fuel Oil After Stop Valve	Fuel Oil After Filter	Hyd. Oil Motor Inlet	Hyd. Oil Motor Outlet	Lube Oil Brg. Header	Lube Oil Pump Discb.	Compressor Discharge	Temp. Relay Outlet	Exhaust Blender Left	Exhaust Blender Right	
12M	554	554	552	555	558	463					<490			78					23	155	63	31	54	55	Ha
1AM	540	541	540	543	546	446					481			78					23	155	63	31	54	55	Ha
2	540	541	540	543	546	446					<481			78					23	155	63	31	54	55	Ha
3	539	539	542	544	548	<444					<478			78					23	155	63	31	54	55	Ha
4	539	539	542	544	548	444					478			78					23	155	63	31	54	55	Ha
5	537	535	536	539	542	<440					<476			78					23	155	63	31	54	55	Ha
6	537	535	535	539	542	<440					<476			78					23	155	64	31	54	55	a a
7	557	559	557	560	565	445					489			68					23	155	64	31	54	55	a a
8	555	555	553	557	560	452					487			69					23	155	64	31	54	55	a a
9	558	558	556	560	564	454					490			70					23	155	64	31	54	55	a a
10	564	564	563	566	570	460					494			73					23	155	63	31	54	54	a a
11	568	568	566	570	573	462					498			76					23	155	67	31	54	55	a a
12N	562	562	562	564	566	461					497			78					23	155	67	31	54	55	a a
1PM	563	563	562	565	567	462					497			80					23	155	63	31	54	55	a a
2	562	562	561	564	566	467					496			80					23	155	63	31	54	55	D Peters
3	562	562	561	564	566	461					496			80					23	155	63	31	54	55	D Peters
4	560	560	558	562	564	460					495			80					23	155	63	31	54	55	D Peters
5	558	558	557	560	562	459					492			80					23	155	63	31	54	55	D Peters
6	557	557	556	560	562	460					492			80					23	155	63	31	54	55	D Peters
7	561	561	560	563	566	459					493			80					23	155	63	31	54	55	D Peters
8	559	559	558	562	564	457					493			80					23	155	63	31	54	55	D Peters
9	563	563	562	565	568	456					494			80					23	155	63	31	54	55	D Peters
10	564	564	562	566	569	456					494			80					23	155	63	31	54	55	Ha
11	560	560	559	563	566	454					<492			76											

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

19
5

Date: 4-XX-23

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 On In Aux. Oil Pump Yes / No - Add If Needed	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3600	72	106	136	156	118		138	156	160		178		N/A	1/2	Yes	179	3200				
1AM		3600	72	106	136	156	118		138	156	160		178		N/A	1/2	Yes	179	3200				
2		3600	72	106	136	156	118		138	156	160		178		N/A	1/2	Yes	179	3000				
3		3600	72	106	136	156	118		138	156	160		178		N/A	1/2	Yes	179	3000				
4		3600	72	106	136	156	118		138	156	160		178		N/A	1/2	Yes	179	3100				
5		3600	72	106	136	156	118		136	156	160		178		N/A	1/2	Yes	179	3100				
6		3600	72	106	136	156	118		138	156	160		178		N/A	1/2	Yes	179	3100				
7		3621	70	106	136	156	118		133	155	160		176		MA	1/2	yes	179	2600				a LR
8		3621	72	106	136	156	118		136	155	160		176		MA	1/2	yes	179	2600				a LR
9		3621	74	106	136	156	116		136	153	160		176		MA	1/2	yes	179	2600				a LR
10		3621	75	106	136	156	116		136	153	160		176		MA	1/2	yes	179	2600				a LR
11		3620	77	106	136	156	116		136	155	160		176		MA	1/2	yes	179	2600				a LR
12N		3619	78	106	136	156	116		136	155	160		176		MA	1/2	yes	179	2800				a LR
1PM		3621	79	106	136	156	116		136	155	160		177		MA	1/2	yes	179	2600				a LR
2		362	80	106	136	156	116		136	156	160		177		MA	1/2	yes	179	2600				a LR
3		3620	80	106	136	156	116		136	155	160		177		N/A	1/2	Yes	179	2700				D.Peters
4		3615	80	106	136	156	116		136	155	160		177		N/A	1/2	Yes	179	3400				D.Peters
5		3621	80	106	136	156	116		136	155	160		177		N/A	1/2	Yes	179	2800				D.Peters
6		3621	80	106	136	156	116		136	155	160		177		N/A	1/2	Yes	179	2800				D.Peters
7		3616	80	106	136	156	116		136	155	160		177		N/A	1/2	Yes	179	3300				D.Peters
8		3617	80	106	136	156	116		136	155	160		177		N/A	1/2	Yes	179	3300				D.Peters
9		3617	80	106	136	156	116		136	155	160		177		N/A	1/2	Yes	179	3300				D.Peters
10		3616	80	106	136	156	116		136	155	160		177		N/A	1/2	Yes	179	3300				D.Peters
11		3600		106	136	156	116		136	156	160		178		N/A	1/2	Yes	178	3500				

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

19
5
Date: 4-14-23

Hour	Point No.1 Exhaust Temp.	Point No. 2 Exhaust Temp.	Point No. 3 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 Discharge	Compressor Discharge	Temp. Relay Outlet	Exhaust Diffuser Left	Exhaust Diffuser Right	
12M	560	560	559	563	566	454					492			76					23	155	63	31	54	55	No
1AM	560	560	559	563	566	454					492			76					23	155	63	31	54	55	No
2	560	560	559	563	566	454					492			76					23	155	63	31	54	55	No
3	556	556	555	558	561	452					489			76					23	155	63	31	54	55	No
4	556	556	555	558	561	452					489			76					23	155	63	31	54	55	No
5	545	544	544	547	550	451					483			76					23	155	63	31	54	55	No
6	545	544	541	547	550	451					483			76					23	150	63	31	54	55	a lt
7	545	545	544	547	550	451					483			74					23	150	63	31	54	55	a lt
8	548	548	548	551	553	453					484			75					23	150	63	31	54	55	a lt
9	555	555	557	556	559	457					488			76					23	150	63	31	54	55	a lt
10	558	558	55	561	564	461					490			77					23	150	63	31	54	55	a lt
11	563	563	562	566	569	463					494			78					23	150	63	31	54	55	a lt
12N	570	570	569	573	575	465					499			79					23	150	63	31	54	55	a lt
1PM	568	568	567	569	573	467					498			80					23	150	63	31	54	55	a lt
2	567	567	566	570	572	465					498			80					23	150	63	31	54	55	DP
3	572	572	571	575	577	467					500			80					23	150	63	31	54	55	DP
4	587	587	586	590	593	469					511			80					23	150	63	31	54	55	DP
5	569	569	568	571	574	465					500			80					23	150	63	31	54	55	DP
6	569	569	568	572	574	464					500			80					23	150	63	31	54	55	DP
7	574	573	572	578	578	463					502			80					23	150	63	31	54	55	DP
8	573	573	572	575	579	460					502			80					23	150	63	31	54	55	DP
9	573	573	572	575	579	460					501			80					23	150	63	31	54	55	DP
10	573	573	571	575	578	459					501			80					23	150	63	31	54	55	DP
11	571	571	569	572	576	457					500			80					23	150	63	31	54	55	No

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4-20-23

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(ST)	Gear Brg. No.4 Temp	Generator Brg. Temp.(G	Oil Tank Level	Oil Level OK In Aux. Oil Pump Yes / No - add Oil/water	Incoming Gas Press.	Kilowatts				Reading Taken By:
12M		3600	72	106	136	156	116		136	196	160		178		N/A	1/2	Yes	178	3300				
1AM		3600	72	106	136	156	116		136	156	160		178		N/A	1/2	Yes	178	3200				
2		3600	72	106	136	156	116		136	156	160		178		N/A	1/2	Yes	178	3200				
3		3600	72	106	136	156	116		136	156	160		178		N/A	1/2	Yes	178	3000				
4		3600	72	106	136	156	116		136	156	160		178		N/A	1/2	Yes	178	3000				
5		3600	72	106	136	156	116		136	156	160		178		N/A	1/2	Yes	178	2800				
6		3600	72	106	136	156	116		136	156	160		178		N/A	1/2	Yes	178	2800				
7		3622	73	106	136	156	116		138	155	160		178		N/A	1/2	yes	179	2600				— LR
8		3622	74	106	136	156	116		138	155	160		178		N/A	1/2	yes	179	2600				— LR
9		3622	76	106	136	156	116		138	155	160		178		N/A	1/2	yes	178	2600				— LR
10		3622	78	106	136	156	116		138	155	160		178		N/A	1/2	yes	178	2600				— LR
11		3631	80	106	136	156	116		138	155	162		180		N/A	1/2	yes	178	1800				— LR
12N		3631	83	106	136	156	116		138	155	162		180		N/A	1/2	yes	178	1700				— LR
1PM		3631	85	106	136	156	116		142	156	164		180		N/A	1/2	yes	178	1400				— LR
2		3631	86	106	136	158	118		142	156	164		180		N/A	1/2	yes	178	1400				— LR
3		3622	88	106	136	156	118		142	156	164		180		N/A	1/2	Yes	178	2600				DP
4		3622	88	106	136	156	118		142	156	164		180		N/A	1/2	Yes	178	2600				DP
5		3621	83	106	135	158	118		142	157	163		180		N/A	1/2	Yes	178	2700				DP
6		3621	83	106	135	158	118		142	157	163		180		N/A	1/2	Yes	178	2700				DP
7		3621	83	106	135	158	118		142	157	163		180		N/A	1/2	Yes	178	2900				DP
8		3619	83	106	135	158	118		142	157	163		180		N/A	1/2	Yes	178	3100				DP
9		3619	83	106	135	158	118		142	157	163		180		N/A	1/2	Yes	178	3100				DP
10		3619	83	106	135	158	118		142	157	163		180		N/A	1/2	Yes	178	3100				DP
11		3618	83	106	135	158	118		142	157	163		180		N/A	1/2	Yes	178	3100				DP

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 1-20-23

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	
12M	571	571	569	573	576	458					500			78					23	155	63	31	54	55	
1AM	571	571	569	573	576	458					500			78					23	155	63	31	54	55	
2	560	560	564	566	568	459					492			78					23	155	63	31	54	55	
3	560	560	564	566	568	459					492			78					23	155	63	31	54	55	
4	560	560	564	556	568	459					492			78					23	155	63	31	54	55	
5	555	555	554	558	561	460					489			78					23	155	63	31	54	55	
6	555	555	559	558	561	465					489			78					23	155	63	31	54	55	
7	553	553	552	555	558	455					487			78					23	150	63	31	53	54	a LR
8	554	555	554	557	560	456					488			78					23	150	63	31	53	54	a LR
9	561	561	561	564	567	461					491			78					23	150	63	31	53	54	a LR
10	562	563	562	566	568	462					494			79					23	150	63	31	53	54	a LR
11	535	535	536	538	540	462					479			80					23	150	60	31	53	54	a LR
12N	536	536	536	538	541	462					479			81					23	150	60	31	53	54	a LR
1PM	541	541	540	543	545	467					481			82					23	153	60	31	53	54	a LR
2	542	543	542	545	548	467					487			83					23	153	60	31	53	54	a LR
3	573	573	573	576	579	469					501			83					23	153	60	31	53	54	DP
4	574	574	573	576	578	469					501			83					23	153	60	31	53	54	DP
5	574	575	574	577	580	467					502			83					23	153	60	31	53	54	DP
6	573	573	573	576	579	468					502			83					23	153	60	31	53	54	DP
7	571	571	570	574	576	465					501			83					23	153	60	31	53	54	DP
8	571	571	570	574	576	465					501			83					23	153	60	31	53	54	DP
9	573	573	572	575	578	461					501			83					23	153	60	31	53	54	DP
10	572	573	572	575	578	461					500			83					23	153	60	31	53	54	DP
11	572	573	572	575	578	462					500			83					23	153	60	31	53	54	DP

General Notes:

Sewerage and Water Board of New Orleans

Gas Turbine Log

Date: 4/21/23

Time	Run Hours	Speed RPM	Ambient Temp.	Oil Temp From Cooler	No. 1 Brg. Temp.	No. 2 Brg. Temp.	No. 3 Thrust Temp.	No. 3 Brg. Temp.	No. 4 Brg. Temp.	Turbine Brg. No. 5 Temp.	Pinion Brg. No. 6 Temp.	Gear Brg. No. 7 Temp.	Gear Brg. No. 8 Temp.	Gear Brg. No. 9 Temp.	Separator Bypass Temperature	Oil Tank Level	Oil Level ok to Aux. Oil Pump Yes / No	Inlet Air Differential Pressure	Inlet Air Filter Differential Pressure				Reading Taken By
12M		3618	76	106	135	158	118		142	157	163		180		N/A	7/16	Yes	178	3200				DP
1AM		3618	76	106	135	158	118		142	157	163		180		N/A	7/16	Yes	178	3200				DP
2		3618	76	106	135	158	118		142	157	163		180		N/A	7/16	Yes	178	3200				DP
3		3618	76	106	135	158	118		142	157	163		180		N/A	7/16	Yes	178	3200				DP
4		3619	76	106	135	158	118		142	157	163		180		N/A	7/16	Yes	178	3200				DP
5		3619	76	106	135	158	118		142	157	163		180		N/A	7/16	Yes	178	3000				DP
6		3620	76	106	135	158	160		142	157	163		180		N/A	7/16	Yes	178	2900				DP
7		3622	74	106	136	156	116		140	155	160		178		41	1/2	yes	178	2600				a LR
8		3622	74	106	136	156	116		140	155	160		178		41	1/2	yes	178	2600				a LR
9		3620	74	106	136	156	116		140	155	160		178		41	1/2	yes	178	2700				a LR
10		3616	74	106	136	156	116		140	155	160		178		41	1/2	yes	178	2700				a LR
11		3619	74	106	136	156	116		140	154	160		178		41	1/2	yes	178	2600				a LR
12N		3621	75	106	136	156	116		140	155	160		178		41	1/2	yes	178	3000				a LR
1PM		3619	76	106	136	156	116		140	155	160		178		41	1/2	yes	178	3000				DP
2		3620	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3200				DP
3		3618	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3200				DP
4		3618	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3200				DP
5		3618	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3200				DP
6		3620	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3200				DP
7		3620	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3200				DP
8		3620	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3000				DP
9		3620	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3000				a LR
10		3620	80	106	136	156	116		140	155	160		178		41	1/2	yes	178	3000				
11		3619	78	106	136	156	116		140	155	160		178		41	1/2	yes	178	3000				

General Notes:

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4/21/23

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	
12M	573	573	572	575	579	460					501			83					23	153	60	31	53	54	DP
1AM	573	573	572	576	579	461					501			83					23	153	60	31	53	54	DP
2	574	574	573	576	579	461					501			83					23	153	60	31	53	54	DP
3	574	574	575	576	579	461					500			83					23	153	60	31	53	54	DP
4	562	562	563	565	568	456					493			83					23	153	60	31	53	54	DP
5	562	562	562	565	568	456					494			83					23	153	60	31	53	54	DP
6	562	563	562	565	568	457					494			83					23	153	60	31	53	54	DP
7	553	554	553	557	559	457					489			79					23	153	60	31	53	54	— "
8	556	557	557	560	563	458					490			79					23	153	60	31	53	54	— "
9	562	561	562	565	568	459					493			79					23	153	60	31	53	54	— "
10	574	574	573	576	579	461					498			79					23	153	60	31	53	54	— "
11	559	559	559	562	565	456					493			79					23	153	60	31	53	54	— "
12N	555	556	556	558	561	455					489			79					23	153	60	31	53	54	— "
1PM	564	564	563	567	570	457					493			80					23	153	60	31	53	54	— "
2	72	73	71	75	78	462					498			80					23	153	60	31	53	54	— "
3	581	581	580	584	587	467					505			80					23	153	60	31	53	54	DP
4	585	585	584	586	589	467					508			80					23	153	60	31	53	54	DP
5	585	585	584	588	591	469					510			80					23	153	60	31	53	54	DP
6	574	574	574	577	580	465					505			80					23	153	60	31	53	54	DP
7	573	573	573	576	579	465					503			80					23	153	60	31	53	54	DP
8	574	574	574	577	580	469					503			80					23	153	60	31	53	54	DP
9	573	572	572	575	578	463					501			80					23	153	60	31	53	54	DP
10	572	572	571	574	577	462					500			80					23	153	60	31	53	54	DP
11	566	566	565	569	572	457					496			80					23	153	60	31	53	54	— "

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4-22-23

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		3620	74	106	136	156	116		140	155	160		178		°41	1/2	yes	178	3000				dpp RR
1AM		3620	74	106	136	156	116		140	154	160		178		°41	1/2	yes	178	3000				dpp RR
2		3620	74	106	136	156	116		140	154	160		178		°41	1/2	yes	177	3000				" RR
3		3620	73	106	136	156	116		140	155	160		178		°41	1/2	yes	179	3000				" RR
4		3620	72	106	136	156	116		140	155	160		178		°41	1/2	yes	179	3000				" RR
5		3620	71	106	136	156	116		140	155	160		178		°41	1/2	yes	178	3000				" RR
6		3620	70	106	136	156	116		140	155	160		178		°41	1/2	yes	178	2500				" RR
7		3618	70	106	136	156	116		140	152	160		178		°41	1/2	yes	179	3200				" RR
8		3618	72	106	136	156	116		140	153	160		178		°41	1/2	yes	177	3200				" RR
9		3618	74	106	136	156	116		140	153	160		178		°41	1/2	yes	178	3200				" RR
10		3619	76	106	136	156	116		140	154	160		178		°41	1/2	yes	178	3000				" RR
11		3620	78	106	136	156	116		140	155	160		178		°41	1/2	yes	179	2900				" RR
12N		3620	80	106	136	156	116		140	155	160		178		°41	1/2	yes	179	2800				" RR
1PM		3621	80	106	136	156	116		140	155	160		178		°41	1/2	yes	177	2800				" RR
2		3621	80	106	136	156	116		140	155	160		178		°41	1/2	yes	178	2800				" RR
3		3621	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				DP
4		3621	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				DP
5		3620	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3000				DP
6		3620	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3000				DP
7		3620	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3000				DP
8		3622	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				DP
9		3621	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				DP
10		3622	80	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				DP
11		3620	80	106	136	156	116		140	155	160		178		41	7/16	yes	178	2800				DP

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4-22-23

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. Discht. 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 Thrust	Compressor Discharge	Temp. Relief Outlet	Exhaust Detector Left	Exhaust Detector Right	
12M	564	564	563	567	570	456					495			78					23	153	60	31	53	54	a lk
1AM	562	562	561	565	568	455					493			78					23	153	60	31	53	54	a lk
2	564	564	563	566	570	457					494			78					23	153	60	31	53	54	a lk
3	561	562	561	564	567	456					493			78					23	153	60	31	53	54	a lk
4	558	558	557	561	564	453					492			78					23	153	60	31	53	54	a lk
5	557	557	556	560	563	454					492			78					23	153	60	31	53	54	a lk
6	554	555	554	557	560	454					490			77					23	153	62	31	53	54	a lk
7	561	561	560	564	567	453					494			77					23	153	62	31	53	54	a lk
8	561	561	560	563	567	455					494			77					23	153	62	31	53	54	a lk
9	566	567	566	569	572	459					497			78					23	153	62	31	53	54	a lk
10	566	567	565	569	571	460					497			78					23	153	62	31	53	54	a lk
11	565	566	565	568	572	461					498			79					23	153	62	31	53	54	a lk
12N	565	565	565	568	571	462					498			80					23	153	62	31	53	54	a lk
1PM	567	567	567	570	573	463					500			80					23	153	62	31	53	54	a lk
2	570	570	569	573	55	465					501			80					23	153	62	31	53	54	DP
3	570	570	570	573	576	466					502			80					23	152	62	31	53	54	DP
4	573	573	573	576	579	467					504			80					23	152	62	31	53	54	DP
5	577	577	576	580	583	469					506			80					23	152	62	31	53	54	DP
6	578	579	578	581	584	470					507			80					23	152	62	31	53	54	DP
7	576	577	576	579	582	468					507			80					23	152	62	31	53	54	DP
8	566	567	567	570	573	464					502			80					23	152	62	31	53	54	DP
9	562	562	562	565	568	462					498			80					23	152	62	31	53	54	DP
10	562	562	561	566	568	462					498			80					23	152	62	31	53	54	DP
11	553	553	553	556	559	465					491			80					23	152	62	31	53	54	DP

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4/23/23

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 On in Aux. Oil Pump Yes / No ddd if Needed	Incoming Gas Press	Kilowatts				Reading Taken By:
12M		3600	70	106	136	156	116		140	155	160		178		41%	7/16	Yes	178	2800				
1AM		3600	70	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3100				
2		3600	70	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3100				
3		3600	70	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3100				
4		3600	70	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3000				
5		3600	70	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				
6		3600	70	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2700				
7		3600	74	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				
8		3600	74	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				
9		3600	74	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				
10		3600	74	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				
11		3600	74	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				
12N		3600	74	104	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				
1PM		3600	74	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2700				
2		3600	74	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2700				
3		3600	74	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				DP
4		3621	74	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				DP
5		3621	74	106	136	156	116		140	155	160		178		41	7/16	Yes	178	2800				DP
6		3619	74	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3000				DP
7		3616	75	106	136	156	116		140	155	160		178		41	7/16	Yes	178	3500				DP
8		3616	75	106	136	158	117		140	155	160		180		41	7/16	Yes	178	3500				DP
9		3617	75	106	136	158	117		140	155	160		180		41	7/16	Yes	178	3500				DP
10		3616	75	106	136	158	117		140	155	160		180		41	7/16	Yes	178	3500				DP
11		3616	71	100	130	158	117		140	155	160		180		41	7/16	Yes	178	3500				EE

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4/23/23

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	
12M	552	552	552	556	558	454					490			76					23	153	60	31	53	54	
1AM	552	552	552	556	558	454					<490			76					23	153	60	31	53	54	
2	559	559	559	562	566	455					<494			76					23	153	60	31	53	54	
3	559	559	559	562	566	455					<494			76					23	153	60	31	53	54	
4	559	559	559	562	566	455					484			76					23	153	60	31	53	54	
5	548	549	548	551	554	453					484			76					23	153	60	31	53	54	
6	548	549	548	551	554	453					<484			76					23	153	60	31	53	54	
7	557	558	557	560	563	458					491			76					23	153	60	31	53	54	
8	557	558	557	560	563	458					<491			76					23	153	60	31	53	54	
9	562	563	562	565	568	461					496			76					23	153	60	31	53	54	
10	562	563	562	565	568	461					<496			76					23	153	60	31	53	54	
11	564	564	566	568	570	463					498			76					23	153	60	31	53	54	
12N	564	564	566	568	570	463					494			76					23	153	60	31	53	54	
1PM	569	569	568	572	575	465					500			76					23	153	60	31	53	54	
2	569	569	568	572	575	465					500			76					23	153	60	31	53	54	DP
3	568	568	568	571	574	465					500			76					23	153	60	31	53	54	DP
4	568	569	568	572	575	465					499			76					23	153	60	31	53	54	DP
5	566	566	566	569	572	463					500			77					23	153	60	31	53	54	DP
6	570	570	570	573	576	463					505			77					23	153	60	31	53	54	DP
7	578	578	577	581	584	462					505			80					23	153	60	31	53	54	DP
8	576	576	576	579	583	462					504			80					23	153	60	31	53	54	DP
9	576	576	575	578	583	461					504			80					23	153	60	31	53	54	DP
10	575	575	574	577	581	460					504			80					23	153	60	30.5	53	54	E.E.
11	575	576	574	577	581	460																			

General Notes:

Side One

Sewerage and Water Board of New Orleans

#5 Turbine Log

Date: 4-24-23

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.(5)	Oil Tank Level	Oil Level Ok In Aux. Oil Pump Yes / No Add if Needed	Incoming Gas Press	Kilowatts				Reading Taken By:
12M		3020	70	100	130	158	117		140	155	100		180		41	7/16	yes	179	3000				EE
1AM		3021	69	100	135	158	118		140	155	100		180		41	7/16	yes	179	2900				EE
2		3021	69	100	135	157	117		140	154	100		179		41	7/16	yes	179	2900				EE
3		3020	69	105	135	157	117		139	154	100		180		41	7/16	yes	179	2900				EE
4		3020	69	106	135	157	117		139	154	100		180		41	7/16	yes	179	2900				EE
5		3021	70	100	135	156	117		139	153	158		179		41	7/16	yes	179	3000				EE
6		3021	68	106	134	156	117		138	153	158		179		41	7/16	yes	179	3100				EE
7		36000	68	106	136	158	116		138	152	159		176		41	7/16	Yes	179	2800				
8		36000	68	106	136	158	116		138	152	159		176		41	7/16	Yes	179	2800				
9		36000	68	106	136	158	116		138	152	159		176		41	7/16	Yes	178	2800				
10		36000	68	106	136	158	116		138	152	159		176		41	7/16	Yes	179	2800				
11		36000	70	106	136	158	116		138	152	159		176		41	7/16	Yes	179	2700				
12N		36000	70	106	136	158	116		138	152	159		176		41	7/16	Yes	179	2700				
1PM		36000	70	106	136	158	116		138	152	159		176		41	7/16	Yes	179	3000				
2		36000	70	106	136	158	116		138	152	159		176		41	7/16	Yes	178	3200				
3		3619	70	106	136	158	116		138	152	159		176		41	7/16	Yes	179	3100				DP
4		3616	70	106	136	158	116		138	152	159		176		41	7/16	Yes	179	3300				DP
5		3616	70	106	136	158	116		138	152	159		176		41	7/16	Yes	179	3000				DP
6		3616	70	106	136	158	116		138	152	159		176		41	7/16	Yes	179	3000				DP
7		3619	70	106	136	158	116		138	152	159		176		41	7/16	Yes	179	3100				DP
8		3619	70	106	136	158	116		138	152	159		176		41	7/16	Yes	179	3000				DP
9		3619	70	106	136	158	116		138	152	159		176		41	7/16	Yes	179	2900				DP
10		3619	70	106	136	158	116		138	152	159		176		41	7/16	Yes	179	2900				DP
11		3021	70	106	136	158	116		138	152	158		179		41	7/16	yes	178	2900				EE

General Notes:

Side Two

Sewerage and Water Board of New Orleans
#5 Turbine Log

Date: 4-24-23

Line	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. 3 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 Exterior Left	Exhaust Exterior Right	
12M	575	576	574	576	580	460					503			79					23	152	60	31	53	54	EE
1AM	551	552	551	555	557	453					452			78					23	152	60	31	53	54	EE
2	551	551	551	556	557	451					487			78					23	152	60	31	53	54	EE
3	550	551	550	554	556	451					487			78					23	152	60	30	53	54	EE
4	550	551	550	554	556	451					486			76					23	152	60	31	53	54	EE
5	550	551	550	554	555	451					486			76					23	152	60	31	53	54	EE
6	545	546	545	548	551	450					484			74					23	152	59	31	53	55	EE
7	543	543	542	546	549	448					482			72					23	150	62	31	53	55	do
8	543	543	542	546	549	448					482			72					23	150	62	31	53	55	do
9	545	545	544	547	550	449					483			72					23	150	62	31	53	55	do
10	545	545	544	547	550	449					483			72					23	150	62	31	53	55	do
11	545	545	544	548	550	452					484			72					23	150	62	31	53	55	do
12N	545	545	544	548	550	452					484			72					23	150	62	31	53	55	do
1PM	563	563	562	566	570	457					494			72					23	150	62	31	53	55	do
2	563	563	562	566	570	457					494			72					23	150	62	31	53	55	do
3	564	565	564	568	571	459					497			72					23	150	62	31	53	55	DP
4	568	568	567	571	574	458					499			72					23	150	62	31	53	55	DP
5	562	561	561	565	567	457					495			72					23	150	62	31	53	55	DP
6	562	562	561	565	568	458					496			72					23	150	62	31	53	55	DP
7	563	564	563	566	569	458					495			72					23	150	62	31	53	55	DP
8	559	560	559	562	565	456					494			72					23	150	62	31	53	55	DP
9	557	557	556	560	563	455					493			72					23	150	62	31	53	55	DP
10	557	557	556	560	563	456					492			72					23	150	62	31	53	55	DP
11	557	557	556	560	563	455					490			72					23	150	62	31	53	55	EE

General Notes:

ATTACHMENT 6

Safety Data Sheet (MOBIL DTE 732)

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.

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

* 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.

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

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

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.

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

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

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: AIIC, 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.

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.

Internal Use Only
MHC: 0B, 0B, 0, 0, 0, 0 PPEC: A

DGN: 7080560XUS (1012743)