

DOCKETED	
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CO Ppmvdc EDS/CMS Summary Report



CT1

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/03/2024 23:42 Location: Roseville, CA
Description: Electric Utility

CMS Data from: CT1_CO_Ppmvdc_1H, CT1_UnitOn_TF_1H
EDS Data from: CT1_CO_Ppmvdc_3H, CT1_UnitOn_TF_1H
Emission Limitation: 4
No Value Exclusions Allowed
Monitor Manufacturer and Model No.: TELEDYNE MONITOR LABS INC, TML30
Date of Latest CMS Certification or Audit: 04/09/2006 14:00
Process Unit(s) Description:
Operating time for EDS: 1,500.00 Hour(s)
Operating time for CMS: 1,500.00 Hour(s)

Emission Data Summary

1. Duration of excess emission in reporting period due to:	
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process Problems	0
d. Other known causes	0
e. Unknown causes	0
2. Upset Conditions	0
3. Total Duration (Subtracts Exclusions and Upset Conditions)	0
4. Time of Excess Emission as a percentage of operating time	0.00
5. Time in compliance as percentage of operating time	100.00

CMS Performance Summary

1. CMS downtime in reporting period due to:	
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	0
e. Unknown causes	2
2. Total CMS Downtime	2
3. Total Downtime as a percentage of operating time	0.13
4. Total Availability as a percentage of operating time	99.87

Note: The total duration of EDS (<1%) and CMS (<5%) incidents meets federal standard 40CFR60.7(d), therefore the excess emission detail report may not be required as part of the quarterly/semi-annual submission unless requested by the Administrator.

CO Lb/Hr EDS/CMS Summary Report

CT1



From: 04/01/2024 00:00 To: 06/30/2024 23:59

Generated: 07/03/2024 23:43

Facility Name: ROSEVILLE ENERGY

Location: Roseville, CA

Description: Electric Utility

CMS Data from:

EDS Data from:

Emission Limitation:

No Value Exclusions Allowed

Monitor Manufacturer and Model No.:

Date of Latest CMS Certification or Audit:

Process Unit(s) Description:

Operating time for EDS:

Operating time for CMS:

CT1_CO_3Hr_LbPerHr_1H, CT1_UnitOn_TF_1H

CT1_CO_3Hr_LbPerHr_1H, CT1_UnitOn_TF_1H

6.2

TELEDYNE MONITOR LABS INC, TML30

04/09/2006 14:00

1,500.00 Hour(s)

1,500.00 Hour(s)

Emission Data Summary		CMS Performance Summary	
1. Duration of excess emission in reporting period due to:		1. CMS downtime in reporting period due to:	
a. Startup/shutdown	0	a. Monitor equipment malfunctions	0
b. Control equipment problems	0	b. Non-Monitor equipment malfunctions	0
c. Process Problems	0	c. Quality assurance calibration	0
d. Other known causes	0	d. Other known causes	0
e. Unknown causes	0	e. Unknown causes	34
2. Upset Conditions	0	2. Total CMS Downtime	34
3. Total Duration (Subtracts Exclusions and Upset Conditions)	0	3. Total Downtime as a percentage of operating time	2.27
4. Time of Excess Emission as a percentage of operating time	0.00	4. Total Availability as a percentage of operating time	97.73
5. Time in compliance as percentage of operating time	100.00		

Note: The total duration of EDS (<1%) and CMS (<5%) incidents meets federal standard 40CFR60.7(d), therefore the excess emission detail report may not be required as part of the quarterly/semi-annual submission unless requested by the Administrator.

CO SUSL Lb/Hr EDS/CMS Summary Report



CT1

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/03/2024 23:43 Location: Roseville, CA
Description: Electric Utility

CMS Data from: CT1_CO_SUSL_LbPerHr_1H, CT1_UnitOn_TF_1H
EDS Data from: CT1_CO_SUSL_LbPerHr_1H, CT1_UnitOn_TF_1H
Emission Limitation: 89.5
No Value Exclusions Allowed
Monitor Manufacturer and Model No.: TELEDYNE MONITOR LABS INC, TML30
Date of Latest CMS Certification or Audit: 04/09/2006 14:00
Process Unit(s) Description:
Operating time for EDS: 1,500.00 Hour(s)
Operating time for CMS: 1,500.00 Hour(s)

Emission Data Summary

1. Duration of excess emission in reporting period due to:	
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process Problems	0
d. Other known causes	1
e. Unknown causes	0
2. Upset Conditions	0
3. Total Duration (Subtracts Exclusions and Upset Conditions)	1
4. Time of Excess Emission as a percentage of operating time	0.07
5. Time in compliance as percentage of operating time	99.93

CMS Performance Summary

1. CMS downtime in reporting period due to:	
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	0
e. Unknown causes	84
2. Total CMS Downtime	84
3. Total Downtime as a percentage of operating time	5.60
4. Total Availability as a percentage of operating time	94.40

NOx Ppmvdc EDS/CMS Summary Report



CT1

From: 04/01/2024 00:00 To: 06/30/2024 23:59

Generated: 07/03/2024 23:44

Facility Name: ROSEVILLE ENERGY

Location: Roseville, CA

Description: Electric Utility

CMS Data from:

EDS Data from:

Emission Limitation:

No Value Exclusions Allowed

Monitor Manufacturer and Model No.:

Date of Latest CMS Certification or Audit:

Process Unit(s) Description:

Operating time for EDS:

Operating time for CMS:

CT1_NOx_Ppmvdc_1H, CT1_UnitOn_TF_1H

CT1_NOx_Ppmvdc_1H, CT1_UnitOn_TF_1H

2.0

TELEDYNE MONITOR LABS INC, TML41-02

04/09/2006 14:00

1,500.00 Hour(s)

1,500.00 Hour(s)

Emission Data Summary

1. Duration of excess emission in reporting period due to:	
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process Problems	0
d. Other known causes	0
e. Unknown causes	0
2. Upset Conditions	0
3. Total Duration (Subtracts Exclusions and Upset Conditions)	0
4. Time of Excess Emission as a percentage of operating time	0.00
5. Time in compliance as percentage of operating time	100.00

CMS Performance Summary

1. CMS downtime in reporting period due to:	
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	0
e. Unknown causes	2
2. Total CMS Downtime	2
3. Total Downtime as a percentage of operating time	0.13
4. Total Availability as a percentage of operating time	99.87

Note: The total duration of EDS (<1%) and CMS (<5%) incidents meets federal standard 40CFR60.7(d), therefore the excess emission detail report may not be required as part of the quarterly/semi-annual submission unless requested by the Administrator.

NOx Lb/Hr EDS/CMS Summary Report



CT1

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/03/2024 23:44 Location: Roseville, CA
Description: Electric Utility

CMS Data from: CT1_NOx_Norm_LbPerHr_1H, CT1_UnitOn_TF_1H
EDS Data from: CT1_NOx_Norm_LbPerHr_1H, CT1_UnitOn_TF_1H
Emission Limitation: 5.1
No Value Exclusions Allowed
Monitor Manufacturer and Model No.: TELEDYNE MONITOR LABS INC, TML41-O2
Date of Latest CMS Certification or Audit: 04/09/2006 14:00
Process Unit(s) Description:
Operating time for EDS: 1,500.00 Hour(s)
Operating time for CMS: 1,500.00 Hour(s)

Emission Data Summary

1. Duration of excess emission in reporting period due to:	
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process Problems	0
d. Other known causes	0
e. Unknown causes	0
2. Upset Conditions	0
3. Total Duration (Subtracts Exclusions and Upset Conditions)	0
4. Time of Excess Emission as a percentage of operating time	0.00
5. Time in compliance as percentage of operating time	100.00

CMS Performance Summary

1. CMS downtime in reporting period due to:	
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	0
e. Unknown causes	16
2. Total CMS Downtime	16
3. Total Downtime as a percentage of operating time	1.07
4. Total Availability as a percentage of operating time	98.93

Note: The total duration of EDS (<1%) and CMS (<5%) incidents meets federal standard 40CFR60.7(d), therefore the excess emission detail report may not be required as part of the quarterly/semi-annual submission unless requested by the Administrator.

NOx SUSD Lb/Hr EDS/CMS Summary Report



CT1

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/03/2024 23:45 Location: Roseville, CA
Description: Electric Utility

CMS Data from: CT1_NOx_SUSD_LbPerHr_1H, CT1_UnitOn_TF_1H
EDS Data from: CT1_NOx_SUSD_LbPerHr_1H, CT1_UnitOn_TF_1H
Emission Limitation: 37.1
No Value Exclusions Allowed
Monitor Manufacturer and Model No.: TELEDYNE MONITOR LABS INC, TML41-02
Date of Latest CMS Certification or Audit: 04/09/2006 14:00
Process Unit(s) Description:
Operating time for EDS: 1,500.00 Hour(s)
Operating time for CMS: 1,500.00 Hour(s)

Emission Data Summary

1. Duration of excess emission in reporting period due to:	
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process Problems	0
d. Other known causes	0
e. Unknown causes	0
2. Upset Conditions	0
3. Total Duration (Subtracts Exclusions and Upset Conditions)	0
4. Time of Excess Emission as a percentage of operating time	0.00
5. Time in compliance as percentage of operating time	100.00

CMS Performance Summary

1. CMS downtime in reporting period due to:	
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	0
e. Unknown causes	84
2. Total CMS Downtime	84
3. Total Downtime as a percentage of operating time	5.60
4. Total Availability as a percentage of operating time	94.40

CO Ppmvdc EDS/CMS Summary Report

CT2



From: 04/01/2024 00:00 To: 06/30/2024 23:59

Generated: 07/03/2024 23:46

Facility Name: ROSEVILLE ENERGY

Location: Roseville, CA

Description: Electric Utility

CMS Data from:

EDS Data from:

Emission Limitation:

No Value Exclusions Allowed

Monitor Manufacturer and Model No.:

Date of Latest CMS Certification or Audit:

Process Unit(s) Description:

Operating time for EDS:

Operating time for CMS:

CT2_CO_Ppmvdc_1H, CT2_UnitOn_TF_1H

CT2_CO_Ppmvdc_3H, CT2_UnitOn_TF_1H

4

TELEDYNE MONITOR LABS INC, TML30

04/10/2006 07:00

914.00 Hour(s)

914.00 Hour(s)

Emission Data Summary	
1. Duration of excess emission in reporting period due to:	
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process Problems	0
d. Other known causes	3
e. Unknown causes	0
f. Report function is being updated to reflect actual pounds	0
g. TABLE 53.A.1.ii: EQUIPMENT PROTECTION CAUSING RAPID UNLOAD	3
h. EQUIPMENT PROTECTION CAUSING RAPID UNLOAD	0
2. Upset Conditions	0
3. Total Duration (Subtracts Exclusions and Upset Conditions)	6
4. Time of Excess Emission as a percentage of operating time	0.66
5. Time in compliance as percentage of operating time	99.34

CMS Performance Summary	
1. CMS downtime in reporting period due to:	
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	0
e. Unknown causes	6
2. Total CMS Downtime	6
3. Total Downtime as a percentage of operating time	0.66
4. Total Availability as a percentage of operating time	99.34

Note: The total duration of EDS (<1%) and CMS (<5%) incidents meets federal standard 40CFR60.7(d), therefore the excess emission detail report may not be required as part of the quarterly/semi-annual submission unless requested by the Administrator.

CO Lb/Hr EDS/CMS Summary Report

CT2

From: 04/01/2024 00:00 To: 06/30/2024 23:59
Generated: 07/03/2024 23:46

Facility Name: ROSEVILLE ENERGY
Location: Roseville, CA
Description: Electric Utility



CMS Data from: CT2_CO_3Hr_LbPerHr_1H, CT2_UnitOn_TF_1H
EDS Data from: CT2_CO_3Hr_LbPerHr_1H, CT2_UnitOn_TF_1H
Emission Limitation: 6.2
No Value Exclusions Allowed
Monitor Manufacturer and Model No.: TELEDYNE MONITOR LABS INC, TML30
Date of Latest CMS Certification or Audit: 04/10/2006 07:00
Process Unit(s) Description:
Operating time for EDS: 914.00 Hour(s)
Operating time for CMS: 914.00 Hour(s)

Emission Data Summary

1. Duration of excess emission in reporting period due to:	
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process Problems	0
d. Other known causes	2
e. Unknown causes	0
2. Upset Conditions	0
3. Total Duration (Subtracts Exclusions and Upset Conditions)	2
4. Time of Excess Emission as a percentage of operating time	0.22
5. Time in compliance as percentage of operating time	99.78

CMS Performance Summary

1. CMS downtime in reporting period due to:	
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	0
e. Unknown causes	31
2. Total CMS Downtime	31
3. Total Downtime as a percentage of operating time	3.39
4. Total Availability as a percentage of operating time	96.61

Note: The total duration of EDS (<1%) and CMS (<5%) incidents meets federal standard 40CFR60.7(d), therefore the excess emission detail report may not be required as part of the quarterly/semi-annual submission unless requested by the Administrator.

CO SUSD Lb/Hr EDS/CMS Summary Report

CT2



From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/03/2024 23:47 Location: Roseville, CA
Description: Electric Utility

CMS Data from: CT2_CO_SUSD_LbPerHr_1H, CT2_UnitOn_TF_1H
EDS Data from: CT2_CO_SUSD_LbPerHr_1H, CT2_UnitOn_TF_1H
Emission Limitation: 89.5
No Value Exclusions Allowed
Monitor Manufacturer and Model No.: TELEDYNE MONITOR LABS INC, TML30
Date of Latest CMS Certification or Audit: 04/10/2006 07:00
Process Unit(s) Description:
Operating time for EDS: 914.00 Hour(s)
Operating time for CMS: 914.00 Hour(s)

Emission Data Summary

1. Duration of excess emission in reporting period due to:	
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process Problems	0
d. Other known causes	0
e. Unknown causes	0
2. Upset Conditions	0
3. Total Duration (Subtracts Exclusions and Upset Conditions)	0
4. Time of Excess Emission as a percentage of operating time	0.00
5. Time in compliance as percentage of operating time	100.00

CMS Performance Summary

1. CMS downtime in reporting period due to:	
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	0
e. Unknown causes	59
2. Total CMS Downtime	59
3. Total Downtime as a percentage of operating time	6.46
4. Total Availability as a percentage of operating time	93.54

NOx Ppmvdc EDS/CMS Summary Report



CT2

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/03/2024 23:48 Location: Roseville, CA
Description: Electric Utility

CMS Data from: CT2_NOx_Ppmvdc_1H, CT2_UnitOn_TF_1H
EDS Data from: CT2_NOx_Ppmvdc_1H, CT2_UnitOn_TF_1H
Emission Limitation: 2.0
No Value Exclusions Allowed
Monitor Manufacturer and Model No.: TELEDYNE MONITOR LABS INC, TML41-O2
Date of Latest CMS Certification or Audit: 04/10/2006 07:00
Process Unit(s) Description:
Operating time for EDS: 914.00 Hour(s)
Operating time for CMS: 914.00 Hour(s)

Emission Data Summary

1. Duration of excess emission in reporting period due to:	
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process Problems	0
d. Other known causes	1
e. Unknown causes	0
2. Upset Conditions	0
3. Total Duration (Subtracts Exclusions and Upset Conditions)	1
4. Time of Excess Emission as a percentage of operating time	0.11
5. Time in compliance as percentage of operating time	99.89

CMS Performance Summary

1. CMS downtime in reporting period due to:	
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	0
e. Unknown causes	6
2. Total CMS Downtime	6
3. Total Downtime as a percentage of operating time	0.66
4. Total Availability as a percentage of operating time	99.34

Note: The total duration of EDS (<1%) and CMS (<5%) incidents meets federal standard 40CFR60.7(d), therefore the excess emission detail report may not be required as part of the quarterly/semi-annual submission unless requested by the Administrator.

NOx Lb/Hr EDS/CMS Summary Report



CT2

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/03/2024 23:48 Location: Roseville, CA
Description: Electric Utility

CMS Data from: CT2_NOx_Norm_LbPerHr_1H, CT2_UnitOn_TF_1H
EDS Data from: CT2_NOx_Norm_LbPerHr_1H, CT2_UnitOn_TF_1H
Emission Limitation: 5.1
No Value Exclusions Allowed
Monitor Manufacturer and Model No.: TELEDYNE MONITOR LABS INC, TML41-O2
Date of Latest CMS Certification or Audit: 04/10/2006 07:00
Process Unit(s) Description:
Operating time for EDS: 914.00 Hour(s)
Operating time for CMS: 914.00 Hour(s)

Emission Data Summary

1. Duration of excess emission in reporting period due to:	
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process Problems	0
d. Other known causes	1
e. Unknown causes	0
2. Upset Conditions	0
3. Total Duration (Subtracts Exclusions and Upset Conditions)	1
4. Time of Excess Emission as a percentage of operating time	0.11
5. Time in compliance as percentage of operating time	99.89

CMS Performance Summary

1. CMS downtime in reporting period due to:	
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	0
e. Unknown causes	13
2. Total CMS Downtime	13
3. Total Downtime as a percentage of operating time	1.42
4. Total Availability as a percentage of operating time	98.58

Note: The total duration of EDS (<1%) and CMS (<5%) incidents meets federal standard 40CFR60.7(d), therefore the excess emission detail report may not be required as part of the quarterly/semi-annual submission unless requested by the Administrator.

NOx SUSD Lb/Hr EDS/CMS Summary Report



CT2

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/03/2024 23:49 Location: Roseville, CA
Description: Electric Utility

CMS Data from: CT2_NOx_SUSD_LbPerHr_1H, CT2_UnitOn_TF_1H
EDS Data from: CT2_NOx_SUSD_LbPerHr_1H, CT2_UnitOn_TF_1H
Emission Limitation: 37.1
No Value Exclusions Allowed
Monitor Manufacturer and Model No.: TELEDYNE MONITOR LABS INC, TML41-02
Date of Latest CMS Certification or Audit: 04/10/2006 07:00
Process Unit(s) Description:
Operating time for EDS: 914.00 Hour(s)
Operating time for CMS: 914.00 Hour(s)

Emission Data Summary

1. Duration of excess emission in reporting period due to:	
a. Startup/shutdown	0
b. Control equipment problems	0
c. Process Problems	0
d. Other known causes	0
e. Unknown causes	0
2. Upset Conditions	0
3. Total Duration (Subtracts Exclusions and Upset Conditions)	0
4. Time of Excess Emission as a percentage of operating time	0.00
5. Time in compliance as percentage of operating time	100.00

CMS Performance Summary

1. CMS downtime in reporting period due to:	
a. Monitor equipment malfunctions	0
b. Non-Monitor equipment malfunctions	0
c. Quality assurance calibration	0
d. Other known causes	0
e. Unknown causes	59
2. Total CMS Downtime	59
3. Total Downtime as a percentage of operating time	6.46
4. Total Availability as a percentage of operating time	93.54

CO Invalid Data

CT1



From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/03/2024 23:57 Location: Roseville, CA

Tag Name: CT1_CO_Ppm_1H
Total Operating Time: 1,500.00 Hour(s)
Non-Operating Time: 684.00 Hour(s) Report Time: 2,184.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Reason Code - Description	Action Code - Description
1	05/18/2024 07:00	05/18/2024 08:59	2	38 - Analyzer powered down for repair	11 - Replaced part

Total Operating Time:	1,500.00 Hour(s)
Total Monitor Downtime (Online only):	2.00 Hour(s)
Percent Monitor Availability:	99.87 %
Percent Monitor Downtime:	0.13 %

Report Code	Type	Text	Duration	Duration Percent
38	Reason	Analyzer powered down for repair	2	100.00
11	Action	Replaced part	2	100.00

NOx Invalid Data

CT1



From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/03/2024 23:57 Location: Roseville, CA

Tag Name: CT1_NOx_Ppm_1H
Total Operating Time: 1,500.00 Hour(s)
Non-Operating Time: 684.00 Hour(s) Report Time: 2,184.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Reason Code - Description	Action Code - Description
1	05/18/2024 07:00	05/18/2024 07:59	1	13 - Analyzer shutdown for repairs	11 - Replaced part
2	05/18/2024 08:00	05/18/2024 08:59	1	3 - Quality assurance calibration	2 - Calibrated analyzers when unit came online

Total Operating Time:	1,500.00 Hour(s)
Total Monitor Downtime (Online only):	2.00 Hour(s)
Percent Monitor Availability:	99.87 %
Percent Monitor Downtime:	0.13 %

Report Code	Type	Text	Duration	Duration Percent
13	Reason	Analyzer shutdown for repairs	1	50.00
3	Reason	Quality assurance calibration	1	50.00
2	Action	Calibrated analyzers when unit came online	1	50.00
11	Action	Replaced part	1	50.00

NOx SCR Invalid Data



CT1

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/03/2024 23:58 Location: Roseville, CA

Tag Name: CT1_NOx_SCR_Ppm_1H
Total Operating Time: 1,500.00 Hour(s)
Non-Operating Time: 684.00 Hour(s) Report Time: 2,184.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Reason Code - Description	Action Code - Description
1	05/18/2024 07:00	05/18/2024 07:59	1	38 - Analyzer powered down for repair	11 - Replaced part

Total Operating Time:	1,500.00 Hour(s)
Total Monitor Downtime (Online only):	1.00 Hour(s)
Percent Monitor Availability:	99.93 %
Percent Monitor Downtime:	0.07 %

Report Code	Type	Text	Duration	Duration Percent
38	Reason	Analyzer powered down for repair	1	100.00
11	Action	Replaced part	1	100.00

02 Invalid Data

CT1



From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/03/2024 23:59 Location: Roseville, CA

Tag Name: CT1_O2Dry_Pct_1H
Total Operating Time: 1,500.00 Hour(s)
Non-Operating Time: 684.00 Hour(s) Report Time: 2,184.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Reason Code - Description	Action Code - Description
1	05/18/2024 07:00	05/18/2024 07:59	1	38 - Analyzer powered down for repair	11 - Replaced part
2	05/18/2024 08:00	05/18/2024 08:59	1	3 - Quality assurance calibration	2 - Calibrated analyzers when unit came online

Total Operating Time:	1,500.00 Hour(s)
Total Monitor Downtime (Online only):	2.00 Hour(s)
Percent Monitor Availability:	99.87 %
Percent Monitor Downtime:	0.13 %

Report Code	Type	Text	Duration	Duration Percent
38	Reason	Analyzer powered down for repair	1	50.00
3	Reason	Quality assurance calibration	1	50.00
2	Action	Calibrated analyzers when unit came online	1	50.00
11	Action	Replaced part	1	50.00

CO Invalid Data

CT2



From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/03/2024 23:59 Location: Roseville, CA

Tag Name: CT2_CO_Ppm_1H
Total Operating Time: 914.00 Hour(s)
Non-Operating Time: 1,270.00 Hour(s) Report Time: 2,184.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Reason Code - Description	Action Code - Description
1	06/12/2024 12:00	06/12/2024 12:59	1	3 - Quality assurance calibration	5 - Performed online calibration when unit was stable
2	06/12/2024 13:00	06/12/2024 13:59	1	3 - Quality assurance calibration	17 - Performed linearity /cga
3	06/18/2024 14:00	06/18/2024 14:59	1	3 - Quality assurance calibration	

Total Operating Time:	914.00 Hour(s)
Total Monitor Downtime (Online only):	3.00 Hour(s)
Percent Monitor Availability:	99.67 %
Percent Monitor Downtime:	0.33 %

Report Code	Type	Text	Duration	Duration Percent
3	Reason	Quality assurance calibration	3	100.00
17	Action	Performed linearity /cga	1	33.33
5	Action	Performed online calibration when unit was stable	1	33.33

NOx Invalid Data

CT2

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 00:00 Location: Roseville, CA



Tag Name: CT2_NOx_Ppm_1H
Total Operating Time: 914.00 Hour(s)
Non-Operating Time: 1,270.00 Hour(s) Report Time: 2,184.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Reason Code - Description	Action Code - Description
1	05/16/2024 17:00	05/16/2024 17:59	1		
2	05/16/2024 18:00	05/16/2024 18:59	1		
3	05/16/2024 19:00	05/16/2024 19:59	1	3 - Quality assurance calibration	
4	06/12/2024 12:00	06/12/2024 12:59	1	3 - Quality assurance calibration	5 - Performed online calibration when unit was stable
5	06/12/2024 13:00	06/12/2024 13:59	1	3 - Quality assurance calibration	17 - Performed linearity /cga
6	06/18/2024 14:00	06/18/2024 14:59	1	3 - Quality assurance calibration	

Total Operating Time:	914.00 Hour(s)
Total Monitor Downtime (Online only):	6.00 Hour(s)
Percent Monitor Availability:	99.34 %
Percent Monitor Downtime:	0.66 %

Report Code	Type	Text	Duration	Duration Percent
3	Reason	Quality assurance calibration	4	66.67
17	Action	Performed linearity /cga	1	16.67
5	Action	Performed online calibration when unit was stable	1	16.67

NOx SCR Invalid Data



CT2

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 00:00 Location: Roseville, CA

Tag Name: CT2_NOx_SCR_Ppm_1H
Total Operating Time: 914.00 Hour(s)
Non-Operating Time: 1,270.00 Hour(s) Report Time: 2,184.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Reason Code - Description	Action Code - Description
1	06/18/2024 14:00	06/18/2024 14:59	1	3 - Quality assurance calibration	

Total Operating Time:	914.00 Hour(s)
Total Monitor Downtime (Online only):	1.00 Hour(s)
Percent Monitor Availability:	99.89 %
Percent Monitor Downtime:	0.11 %

Report Code	Type	Text	Duration	Duration Percent
3	Reason	Quality assurance calibration	1	100.00

O2 Invalid Data

CT2



From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 00:01 Location: Roseville, CA

Tag Name: CT2_O2Dry_Pct_1H
Total Operating Time: 914.00 Hour(s)
Non-Operating Time: 1,270.00 Hour(s) Report Time: 2,184.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Reason Code - Description	Action Code - Description
1	05/16/2024 17:00	05/16/2024 17:59	1		
2	05/16/2024 18:00	05/16/2024 18:59	1		
3	05/16/2024 19:00	05/16/2024 19:59	1	3 - Quality assurance calibration	
4	06/12/2024 12:00	06/12/2024 12:59	1	3 - Quality assurance calibration	5 - Performed online calibration when unit was stable
5	06/12/2024 13:00	06/12/2024 13:59	1	3 - Quality assurance calibration	17 - Performed linearity /cga
6	06/18/2024 14:00	06/18/2024 14:59	1	3 - Quality assurance calibration	

Total Operating Time:	914.00 Hour(s)
Total Monitor Downtime (Online only):	6.00 Hour(s)
Percent Monitor Availability:	99.34 %
Percent Monitor Downtime:	0.66 %

Report Code	Type	Text	Duration	Duration Percent
3	Reason	Quality assurance calibration	4	66.67
17	Action	Performed linearity /cga	1	16.67
5	Action	Performed online calibration when unit was stable	1	16.67

AQ-36 thru AQ-38, AQ-41, & AQ-117

AQ-36 thru AQ-38, AQ-41, & AQ-117: PCAPCD notifications/
corrective action: breakdowns, excess emissions, CEMS inoperable, or a
negative declaration when no excess emissions occurred.

Verification: The Project owner shall include the identification of all
breakdowns, PCAPCD notification, resulting excess emission (if any) and
corrective actions taken (if any) as part of the Quarterly Air Quality
Report required in Condition of Certification AQ-SC6



| | | | - | | 2 0 2 4 0 1 2

Year

Non-Compliance
Event Number

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Erik C. White, Air Pollution Control Officer

NON-COMPLIANCE EVENT NOTIFICATION FORM – PART I

submit within 2 business hours after detection of the Non-Compliance Event

1. Company Name	ROSEVILLE ENERGY PARK	Address	5120 PHILLIP ROAD, ROSEVILLE, CA						
2. Title V Source Status	Major Yes ☒ No ☐	Synthetic Minor	Yes ☐ No ☒						
3. For Title V Sources, is the Non-Compliance Event the Result of an Emergency under District Rule 507, Section 402.2(l)	Yes ☐ No ☒								
4. Emission Exceedances	NOx ☒	SOx ☐	PM ☐	VOC ☐	CO ☐	Opacity ☐	None ☐	check all that apply	
5. CEMS / COMS / CMS Breakdown	Yes ☐ No ☒								
6. Detection of Non-Compliance Event	Date	6/14/24	Time	17:00	☐ AM ☒ PM				
7. Start of Non-Compliance Event	Date	6/14/24	Time	16:47	☐ AM ☐ PM ☐ Not known				
8. Violation	Permit No. REPR-20-02	Condition No. 50/52	Rule	Section					
9. Unit / Equipment Involved	CT2/ 480 Volt breaker 631-PPL-2003								
10. Description / Cause of Non-Compliance Event	480 VOLT BREAKER FAILURE / LOSS OF AMMONIA FEED ☒ additional information attached								
11. Immediate Corrective Actions	SHUT DOWN UNIT ☒ additional information attached								
12. Was the Non-Compliance Event an Emission Violation or Monitoring Equipment Failure or Malfunction	Yes ☒ No ☐ If yes, do you Request that the Violation, Failure or Malfunction be Shielded from Enforcement Action as an Upset / Breakdown Pursuant to District Rule 404								
	Yes ☒	No ☐	Not Able to Determine at this Time ☐		If "Yes", complete and submit the Upset / Breakdown Checklist Form with Part I				
13. Submitted By	TONY JOHNSON			Telephone	(916) 295 - 9804				
Signature				Date	6/17/24	Time	10:00	☒ AM ☐ PM	

NON-COMPLIANCE EVENT NOTIFICATION FORM – PART II

submit within 7 calendar days after end of the Non-Compliance Event

14. End of Non-Compliance Event	Date	6/14/24	Time	17:13	☐ AM ☒ PM			
15. Duration of Non-Compliance Event	Hours	0	Minutes	26				
16. Excess Emissions Estimates	NOx 4 PPMVDC-5.6 LBS		SOx		PM			
	VOC	CO	Opacity	%, for	minutes	Other		
17. Variance in Effect	Yes ☐ Variance #		No ☒					
18. Corrective and Preventative Actions Taken	(a) Minimize Emissions YES (b) Correct Event YES (c) Prevent Future Events ☒ additional information attached							
19. If Not Able to Determine in Item 12 of Part I, Was the Non-Compliance Event an Emission Violation or Monitoring Equipment Failure or Malfunction	If yes, do you Request that the Violation, Failure or Malfunction be Shielded from Enforcement Action as an Upset / Breakdown Under District Rule 404							
	Yes ☒	No ☐	If "Yes", complete and submit the Upset / Breakdown Checklist Form if not previously submitted with Part I					
20. Submitted By	Tony Johnson			Telephone	(916) 295 - 9804			
I certify under penalty of law that I am the responsible official for this facility, or his/her duly designated representative, and based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.								
Signature				Date	6/17/24	Time	10:00	☒ AM ☐ PM

UPSET / BREAKDOWN AND EMERGENCY CHECKLIST

Non-Compliance
Event Number

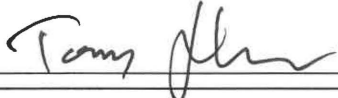
Company Name	ROSEVILLE ENERGY PARK	Address	5120 PHILLIP ROAD, ROSEVILLE, CA.	
Detection of Non-Compliance Event	Date	6/14/24	Time	17:00 ☐ AM ☒ PM

Complete the following questions associated with determining whether an event is an "Upset/Breakdown" Event pursuant to Rule 404, and/or an "Emergency" Event pursuant to Rule 507. To be considered as a legitimate Upset / Breakdown or Emergency event, all of the checklist questions must be answered with a "Yes" checkmark.

Yes No

- | | | |
|-------------------------------------|--------------------------|--|
| ☒ | ☐ | 1. Equipment associated with the breakdown event have been designed, maintained, and operated in a manner consistent with minimizing emissions. |
| ☒ | ☐ | 2. The amount and duration of emissions as a result of the event have been minimized. |
| ☒ | ☐ | 3. The event is not part of a recurring pattern of previous breakdowns of the same equipment for same/similar reasons that are indicative of inadequate equipment design, operation, or maintenance. |
| ☒ | ☐ | 4. The event is not the result of operator error, negligence, carelessness, or willful misconduct (i.e., the facility is being properly operated). |
| ☒ | ☐ | 5. The event is not the result of improper equipment design. |
| ☒ | ☐ | 6. The event is not the result of improper preventative maintenance of equipment. |
| ☒ | ☐ | 7. The event is the result of a sudden, unavoidable breakdown of equipment, beyond the control of the operator. |
| ☒ | ☐ | 8. The event could not have been foreseen or avoided or planned for, and could not have been avoided or prevented by better operating and maintenance practices. |
| ☒ | ☐ | 9. The event has not resulted in a nuisance. |
| ☒ | ☐ | 10. The event is not the result of the disregard of air pollution rules or regulations. |
| ☒ | ☐ | 11. This Upset / Breakdown form has been completed and submitted to the District in a timely manner -- within 7 calendar days from the end of the Non-Compliance Event. |
| ☒ | ☐ | 12. Immediate corrective actions have been taken to minimize emissions, as described in Item 11 on the Part I Non-Compliance Event Notification Form. |

I certify under penalty of law that I am the responsible official for this facility, or his/her duly designated representative, and based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Signature 

You are requesting that the District not take enforcement action because the Non-Compliance Event is the result of an "Upset / Breakdown" Event under District Rule 404. A breakdown condition means an unforeseeable failure or malfunction of 1) any air pollution control equipment or related operating equipment which causes a violation of any emission limitations or restriction prescribed by the District Rules and Regulations, or by State law, or 2) any in-stack continuous monitoring equipment, where such failure or malfunction: (1) is not the result of neglect or disregard of any air pollution control law or rule or regulation; (2) is not intentional or the result of negligence; (3) is not the result of improper maintenance; (4) does not constitute a nuisance; (5) is not a recurrent breakdown of the same equipment. You have the burden of providing sufficient information to demonstrate that the Upset / Breakdown was an unforeseeable equipment failure or malfunction that meets the above listed criteria. This checklist must be completed and returned to the District with either the Part 1 or Part II Non-Compliance Event Notification form to attest to your having made this determination. Submission of a request for shielding from enforcement action does not by itself confer such a shield. If breakdown or emission exceeding operations continue after the breakdown or emission exceedance is identified, the possibility exists that the District after consideration of the information provided, the timeliness and completeness of the submittals, and a comparison to other like breakdowns, may ultimately determine that the Non-Compliance Event was not the result of a legitimate Upset / Breakdown event and may elect to take enforcement action. Action to return to compliance should be accomplished as expeditiously as possible. Thus, you are advised to: (1) assure that the breakdown meets the criteria for an unforeseeable failure or malfunction; (2) minimize emissions resulting from the event to the maximum degree possible; and (3) assure that the required failure and malfunction information and information on the corrective actions taken is provided to the District in a complete and timely manner.

To: Emmanuel Orozco, Manager, Permitting and Engineering, PCAPCD
From: Tony Johnson, Power Plant Operations Supervisor
Date: June 17th, 2024
Subject: Non-Compliance Event Notifications #2024-012 & #2024-013

Emmanuel,

This memo is intended to provide additional information for Non-Compliance Event Notifications 2024-012 and 2024-013 that occurred on June 14th, 2024, at Roseville Energy Park.

2024-012

Combustion Turbine #2 was online at 16:47 when a series of alarms alerted the Control Room Operator (CRO) that the ammonia supply valve closed, and its associated heater shut off. Further investigation discovered several alarms coming from the Continuous Emission Monitoring System (CEMS).

At 16:53 the CRO called me, and I advised him to shut the unit down. At 16:57 Circuit Breaker 631-PPL-2003 was discovered tripped. The outside Operator reset and closed the tripped breaker which cleared the CEMS alarms but would not reset the ammonia controls. A stop command was initiated on CT2, and the breaker opened at 17:13. An Instrument Technician (I&C) and Mechanic were called in to investigate and begin repairs. The I&C found a failed 480 Volt, 250-amp, breaker that fed the ammonia heater from a distribution panel and replaced it with a new one from our inventory. After the repair the unit was restarted successfully at 22:04.

Excess NOx emissions occurred per our Permit #REPR-20-02 of Condition 50 in ppmvdc of 4.0 (limit of 2.0) and Condition 52, of 5.6 lbs. per hour. (limit of 5.1 lbs.). We request the failure/malfunction of the circuit breaker shield us from enforcement action as an upset/breakdown under District Rule 404 for NCE #2024-012.

2024-013

In response to CT2 being shut down, CT1 was started at 17:21. At 17:38 the breaker closed. Normal Operations, (per startup procedure step #19) instruct the CRO to increase load to at least 25 MW's immediately after the generator breaker synchronizes. The CRO was occupied with securing CT2 and failed to increase load until 17:43. This resulted in CO emissions of 91.3 lbs. per startup surpassing the permit limit of 89.5 lbs. as per Condition 52 of our Permit #REPR-20-01.

If you have any questions, please let me know.

Tony Johnson
(916) 295-9804
ajohnson@roseville.ca.us

NOx Ppmvdc 1-Hour Block Excess Emissions

CT2

From: 06/14/2024 00:00 To: 06/14/2024 23:59

Generated: 06/15/2024 03:38

Facility Name:

ROSEVILLE ENERGY

Location:

Roseville, CA



Tag Name: CT2_NOx_Ppmvdc_1H

Total Operating Time: 21.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 3.00 Hour(s) Report Time: 24.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Tag Value	Limit	Reason Code	Action Code
1	06/14/24 16:00	06/14/24 16:59	1	4.0	2.0		

Total operating Time:	21.00 Hour(s)
Total Duration (Online only):	1.00 Hour(s)
Time in exceedance as a percentage of operating time:	4.76 %
Time in compliance as a percentage of operating time:	95.24 %

NOx LbPerHr 1-Hour Block Excess Emissions

CT2

From: 06/14/2024 00:00 To: 06/14/2024 23:59

Facility Name: ROSEVILLE ENERGY

Generated: 06/15/2024 03:36

Location: Roseville, CA



Tag Name: CT2_NOx_Norm_LbPerHr_1H

Total Operating Time: 21.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 3.00 Hour(s) Report Time: 24.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Tag Value	Limit	Reason Code	Action Code
1	06/14/24 16:00	06/14/24 16:59	1	5.6	5.1		

Total operating Time:	21.00 Hour(s)
Total Duration (Online only):	1.00 Hour(s)
Time in exceedance as a percentage of operating time:	4.76 %
Time in compliance as a percentage of operating time:	95.24 %



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Year

Non-Compliance
Event Number

Erik C. White, Air Pollution Control Officer

NON-COMPLIANCE EVENT NOTIFICATION FORM – PART I

submit within 2 business hours after detection of the Non-Compliance Event

1. Company Name	ROSEVILLE ENERGY PARK	Address	5120 PHILLIP ROAD, ROSEVILLE, CA.					
2. Title V Source Status	Major Yes ☒ No ☐	Synthetic Minor	Yes ☐ No ☒					
3. For Title V Sources, is the Non-Compliance Event the Result of an Emergency under District Rule 507, Section 402.2(l)	Yes ☐ No ☒							
4. Emission Exceedances	NOx ☐	SOx ☐	PM ☐	VOC ☐	CO ☒	Opacity ☐	None ☐	check all that apply
5. CEMS / COMS / CMS Breakdown	Yes ☐ No ☐							
6. Detection of Non-Compliance Event	Date	6/14/24	Time	18:00	☐ AM ☒ PM			
7. Start of Non-Compliance Event	Date	6/14/24	Time	17:43	☐ AM ☒ PM ☐ Not known			
8. Violation	Permit No. REPE-20-01	Condition No. 51	Rule	Section				
9. Unit / Equipment Involved	CT1							
10. Description / Cause of Non-Compliance Event	IDLED TOO LONG AT STARTUP					☒ additional information attached		
11. Immediate Corrective Actions	INCREASED LOAD					☒ additional information attached		
12. Was the Non-Compliance Event an Emission Violation or Monitoring Equipment Failure or Malfunction	Yes ☐ No ☒							
If yes, do you Request that the Violation, Failure or Malfunction be Shielded from Enforcement Action as an Upset / Breakdown Pursuant to District Rule 404								
Yes ☐		No ☒		Not Able to Determine at this Time ☐		If "Yes", complete and submit the Upset / Breakdown Checklist Form with Part I		
13. Submitted By	Tony Johnson			Telephone	(916) 295 - 9804			
Signature				Date	6/17/24	Time	11:00	☒ AM ☐ PM

NON-COMPLIANCE EVENT NOTIFICATION FORM – PART II

submit within 7 calendar days after end of the Non-Compliance Event

14. End of Non-Compliance Event	Date	6/14/24	Time	17:43	☐ AM ☐ PM			
15. Duration of Non-Compliance Event	Hours	0	Minutes	5				
16. Excess Emissions Estimates	NOx	SOx	PM					
	VOC	CO 91.3 lbs.	Opacity	%, for	minutes	Other		
17. Variance in Effect	Yes ☐ Variance #		No ☒					
18. Corrective and Preventative Actions Taken	(a) Minimize Emissions Prevent Future Events ☐ additional information attached		(b) Correct Event increased load (c)					
19. If Not Able to Determine in Item 12 of Part I, Was the Non-Compliance Event an Emission Violation or Monitoring Equipment Failure or Malfunction	If yes, do you Request that the Violation, Failure or Malfunction be Shielded from Enforcement Action as an Upset / Breakdown Under District Rule 404							
Yes ☐		No ☒		If "Yes", complete and submit the Upset / Breakdown Checklist Form if not previously submitted with Part I				
20. Submitted By	Tony Johnson			Telephone	(916) 295 - 9804			
I certify under penalty of law that I am the responsible official for this facility, or his/her duly designated representative, and based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.								
Signature				Date	6/17/24	Time	11:00	☒ AM ☐ PM

To: Emmanuel Orozco, Manager, Permitting and Engineering, PCAPCD
From: Tony Johnson, Power Plant Operations Supervisor
Date: June 17th, 2024
Subject: Non-Compliance Event Notifications #2024-012 & #2024-013

Emmanuel,

This memo is intended to provide additional information for Non-Compliance Event Notifications 2024-012 and 2024-013 that occurred on June 14th, 2024, at Roseville Energy Park.

2024-012

Combustion Turbine #2 was online at 16:47 when a series of alarms alerted the Control Room Operator (CRO) that the ammonia supply valve closed, and its associated heater shut off. Further investigation discovered several alarms coming from the Continuous Emission Monitoring System (CEMS).

At 16:53 the CRO called me, and I advised him to shut the unit down. At 16:57 Circuit Breaker 631-PPL-2003 was discovered tripped. The outside Operator reset and closed the tripped breaker which cleared the CEMS alarms but would not reset the ammonia controls. A stop command was initiated on CT2, and the breaker opened at 17:13. An Instrument Technician (I&C) and Mechanic were called in to investigate and begin repairs. The I&C found a failed 480 Volt, 250-amp, breaker that fed the ammonia heater from a distribution panel and replaced it with a new one from our inventory. After the repair the unit was restarted successfully at 22:04.

Excess NOx emissions occurred per our Permit #REPR-20-02 of Condition 50 in ppmvdc of 4.0 (limit of 2.0) and Condition 52, of 5.6 lbs. per hour. (limit of 5.1 lbs.). We request the failure/malfunction of the circuit breaker shield us from enforcement action as an upset/breakdown under District Rule 404 for NCE #2024-012.

2024-013

In response to CT2 being shut down, CT1 was started at 17:21. At 17:38 the breaker closed. Normal Operations, (per startup procedure step #19) instruct the CRO to increase load to at least 25 MW's immediately after the generator breaker synchronizes. The CRO was occupied with securing CT2 and failed to increase load until 17:43. This resulted in CO emissions of 91.3 lbs. per startup surpassing the permit limit of 89.5 lbs. as per Condition 52 of our Permit #REPR-20-01.

If you have any questions, please let me know.

Tony Johnson
(916) 295-9804
ajohnson@roseville.ca.us

CO LbPerHr SUSd 1-Hour Block Excess Emissions

CT1

From: 06/01/2024 00:00 To: 06/17/2024 04:40

Facility Name: ROSEVILLE ENERGY

Generated: 06/17/2024 04:41

Location: Roseville, CA



Tag Name: CT1_CO_SUSD_LbPerHr_1H

Total Operating Time: 36.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 353.00 Hour(s) Report Time: 389.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Tag Value	Limit	Reason Code	Action Code
1	06/14/24 16:00	06/14/24 16:59	1	91.3	89.5		

Total operating Time:	36.00 Hour(s)
Total Duration (Online only):	1.00 Hour(s)
Time in exceedance as a percentage of operating time:	2.78 %
Time in compliance as a percentage of operating time:	97.22 %

Johnson, Anthony

From: Johnson, Anthony
Sent: Monday, June 17, 2024 6:49 AM
To: Johnson, Anthony; Plasencia, Oscar; Ribordy, Nathan; Vasquez, Ediberto
Subject: FW: Yesterday's Series of Events

From: Cochrane, Corey <CMCochrane@roseville.ca.us>
Sent: Saturday, June 15, 2024 1:45 PM
To: Johnson, Anthony <AJohnson@roseville.ca.us>
Cc: Olsen, Eric <EOlsen@roseville.ca.us>; Borges, James <JMBorges@roseville.ca.us>
Subject: Yesterday's Series of Events

As requested

- 1647 – Received a series of alarms across HRSG 2 ranging from BFPs, to drain valves and stop valves, to NH3 and CEMS system. Notified Olsen of alarms and requested visually inspect BFP as majority of alarms were related to that system. Borges came to control room to assist
- Exact time unknown – Notified Olsen that NH3 Block Valve was closed and NH3 Heater was off. Valve unable to reset. Olsen found NH3 Heater had no power although breaker was closed. Also had no NH3 Transmitter power or power to anything on NH3 system excluding NH3 Blower and NH3 injection temp.
- Exact time unknown – DAHS system was alarming and all feedback on DAHS was red for CEMS 2. NOx feedback on DCS was indicating 1.47 with heater off and block valve closed and not moving. Seemingly everything associated with CEMS 2 was in alarm on DAHS
- 1653 – Called Johnson to inform of equipment breakdown. Johnson informed to shutdown CTG 2.
- 1657 – Breaker 631-PPL-2003 found tripped in field. Reset and closed. All alarms on DCS cleared (On breaker the label says [631-PPL 2003 480V, 3P, 3W, 250A Welding Recpt Power Panel]). DCS NOx value jumped to 4.05 and increased from there
- 1703 – Stop initiated on CTG 2 & STG
- 1713 – CTG 2 Breaker Open
- 1715 – STG Breaker Open
- 1721 – CTG 1 Start Initiated
- 1729 – CTG 1 Flame
- 1738 – CTG 1 Breaker Closed. Still actively securing CTG 2 and attempting to keep STG as close to a restart as possible. Also informing IC&E Garcia of troubleshooting done so far as well as what was found in the field and on DCS
- 1743 – Found CTG 1 still at 2 MW. Increased load to 30 MW
- 1811 – STG Start Initiated

If you have any further questions, please ask. There may be things that I missed in this breakdown of events. The timeline was pulled through J-Log, phone records and trends.

Thanks,

Corey Cochrane



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Erik C. White, Air Pollution Control Officer

Year Non-Compliance
Event Number

NON-COMPLIANCE EVENT NOTIFICATION FORM – PART I

submit within 2 business hours after detection of the Non-Compliance Event

1. Company Name	ROSEVILLE ENERGY PARK	Address	5120 PHILLIP ROAD, ROSEVILLE, CA.		
2. Title V Source Status	Major ☒ No ☐	Synthetic Minor	☐ Yes ☒ No ☐		
3. For Title V Sources, is the Non-Compliance Event the Result of an Emergency under District Rule 507, Section 402.2(l)	Yes ☐ No ☒				
4. Emission Exceedances	NOx ☐	SOx ☐	PM ☐	VOC ☐	CO ☒ Opacity ☐ None ☐ check all that apply
5. CEMS / COMS / CMS Breakdown	Yes ☐ No ☒				
6. Detection of Non-Compliance Event	Date	6/19/24	Time	12:00	☐ AM ☒ PM
7. Start of Non-Compliance Event	Date	6/19/24	Time	10:00	☐ AM ☐ PM ☐ Not known
8. Violation	Permit No. REPR-20-02	Condition No. 49	Rule	Section	
9. Unit / Equipment Involved	CT2				
10. Description / Cause of Non-Compliance Event	BURNER CAUSE INCOMPLETE COMBUSTION				☐ additional information attached
11. Immediate Corrective Actions	SHUT DOWN UNIT				☐ additional information attached
12. Was the Non-Compliance Event an Emission Violation or Monitoring Equipment Failure or Malfunction	Yes ☒ No ☐				
If yes, do you Request that the Violation, Failure or Malfunction be Shielded from Enforcement Action as an Upset / Breakdown Pursuant to District Rule 404					
Yes ☒		No ☐	Not Able to Determine at this Time ☐		
If "Yes", complete and submit the Upset / Breakdown Checklist Form with Part I					
13. Submitted By	TONY JOHNSON		Telephone	(916) 295 - 9804	
Signature	Tony Johnson		Date	6/19/24	Time 02:30 ☐ AM ☒ PM

NON-COMPLIANCE EVENT NOTIFICATION FORM – PART II

submit within 7 calendar days after end of the Non-Compliance Event

14. End of Non-Compliance Event	Date	6/21/24	Time	12:25	☐ AM ☒ PM
15. Duration of Non-Compliance Event	Hours	50	Minutes	25	
16. Excess Emissions Estimates	NOx	SOx	PM		
VOC	CO 1 PPM - 3 HR AVG	Opacity	%, for	minutes	Other
17. Variance in Effect	Yes ☐ Variance #		No ☒		
18. Corrective and Preventative Actions Taken	(a) Minimize Emissions		(b) Correct Event		(c) Prevent
Future Events	☒ additional information attached				
19. If Not Able to Determine in Item 12 of Part I, Was the Non-Compliance Event an Emission Violation or Monitoring Equipment Failure or Malfunction	Yes ☐ No ☐				
If yes, do you Request that the Violation, Failure or Malfunction be Shielded from Enforcement Action as an Upset / Breakdown Under District Rule 404					
Yes ☒		No ☐	If "Yes", complete and submit the Upset / Breakdown Checklist Form if not previously submitted with Part I		
20. Submitted By	Jorge Belda		Telephone	(916) 746 - 1602	
I certify under penalty of law that I am the responsible official for this facility, or his/her duly designated representative, and based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.					
Signature	Jorge Belda		Date	6/25/24	Time 2:30 ☐ AM ☒ PM

UPSET / BREAKDOWN AND EMERGENCY CHECKLIST

Year					
2	0	2	4	-	0
1	4				

Non-Compliance
Event Number

Company Name	ROSEVILLE ENERGY PARK	Address	5120 PHILLIP ROAD, ROSEVILLE, CA.		
Detection of Non-Compliance Event	Date	6/19/24	Time	11:00	☒ AM ☐ PM

Complete the following questions associated with determining whether an event is an "Upset/Breakdown" Event pursuant to Rule 404, and/or an "Emergency" Event pursuant to Rule 507. To be considered as a legitimate Upset / Breakdown or Emergency event, all of the checklist questions must be answered with a "Yes" checkmark.

Yes **No**

- | | | |
|-------------------------------------|--------------------------|--|
| ☒ | ☐ | 1. Equipment associated with the breakdown event have been designed, maintained, and operated in a manner consistent with minimizing emissions. |
| ☒ | ☐ | 2. The amount and duration of emissions as a result of the event have been minimized. |
| ☒ | ☐ | 3. The event is not part of a recurring pattern of previous breakdowns of the same equipment for same/similar reasons that are indicative of inadequate equipment design, operation, or maintenance. |
| ☒ | ☐ | 4. The event is not the result of operator error, negligence, carelessness, or willful misconduct (i.e., the facility is being properly operated). |
| ☒ | ☐ | 5. The event is not the result of improper equipment design. |
| ☒ | ☐ | 6. The event is not the result of improper preventative maintenance of equipment. |
| ☒ | ☐ | 7. The event is the result of a sudden, unavoidable breakdown of equipment, beyond the control of the operator. |
| ☒ | ☐ | 8. The event could not have been foreseen or avoided or planned for, and could not have been avoided or prevented by better operating and maintenance practices. |
| ☒ | ☐ | 9. The event has not resulted in a nuisance. |
| ☒ | ☐ | 10. The event is not the result of the disregard of air pollution rules or regulations. |
| ☒ | ☐ | 11. This Upset / Breakdown form has been completed and submitted to the District in a timely manner -- within 7 calendar days from the end of the Non-Compliance Event. |
| ☒ | ☐ | 12. Immediate corrective actions have been taken to minimize emissions, as described in Item 11 on the Part I Non-Compliance Event Notification Form. |

I certify under penalty of law that I am the responsible official for this facility, or his/her duly designated representative, and based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Signature Tom John

You are requesting that the District not take enforcement action because the Non-Compliance Event is the result of an "Upset / Breakdown" Event under District Rule 404. A breakdown condition means an unforeseeable failure or malfunction of 1) any air pollution control equipment or related operating equipment which causes a violation of any emission limitations or restriction prescribed by the District Rules and Regulations, or by State law, or 2) any in-stack continuous monitoring equipment, where such failure or malfunction: (1) is not the result of neglect or disregard of any air pollution control law or rule or regulation; (2) is not intentional or the result of negligence; (3) is not the result of improper maintenance; (4) does not constitute a nuisance; (5) is not a recurrent breakdown of the same equipment. You have the burden of providing sufficient information to demonstrate that the Upset / Breakdown was an unforeseeable equipment failure or malfunction that meets the above listed criteria. This checklist must be completed and returned to the District with either the Part 1 or Part II Non-Compliance Event Notification form to attest to your having made this determination. Submission of a request for shielding from enforcement action does not by itself confer such a shield. If breakdown or emission exceeding operations continue after the breakdown or emission exceedance is identified, the possibility exists that the District after consideration of the information provided, the timeliness and completeness of the submittals, and a comparison to other like breakdowns, may ultimately determine that the Non-Compliance Event was not the result of a legitimate Upset / Breakdown event and may elect to take enforcement action. Action to return to compliance should be accomplished as expeditiously as possible. Thus, you are advised to: (1) assure that the breakdown meets the criteria for an unforeseeable failure or malfunction; (2) minimize emissions resulting from the event to the maximum degree possible; and (3) assure that the required failure and malfunction information and information on the corrective actions taken is provided to the District in a complete and timely manner.



Roseville Electric
Roseville Energy Park
5120 Phillip Road
Roseville, California 95747

Jorge Belda
Power Plant Operator / Technician II
Roseville Energy Park
5120 Phillip Road
Roseville, California 95747

Subject: Non-Compliance Event notification form 2024-014

To Whom It May Concern:

This memo is to provide additional information for Non-Compliance Event Notification form 2024-014.

On June 19th, 2024, at approximately 10:00, Roseville Electric staff received a DAHS alarm for "CT2 CO Ppmvdc 3-Hr Block Excess Emission." The CAISO Automated Dispatch System transitioned load for CT2 from 36MW to 30MW, which is the minimum load on a Siemens CTG. The operation at low load of CT2 caused an unknown spike in CO in the HRSG 2 stack. The large spikes of CO from CT2 resulted in excess emissions of 5 ppmvdc CO in a 3-hour block during this event; condition #49 of Operating Permit #REPR-20-02.

Roseville Management requested an immediate shutdown of CT2 from ACES to troubleshoot the source of the CO spikes. Roseville staff and Siemens personnel reviewed and analyzed the CT Burner Management System. Siemens speculated that some of the Individual Burner (IB) Trim valves were not operating within their parameters. The erratic operation of the IB Trim valves resulted in lower combustion temperatures which contributed to the spikes in CO. Siemens recommended replacing the two IB Trim valves and controllers that were operating erratically. Roseville staff replaced two IB Trim valves and performed standard calibrations on the new valves. Roseville staff performed a test run on CT2 and verified no CO spikes were occurring at low turbine loads or load transitions. CT2 was made available for operation on 6/21/24 at 12:25. NCE 2024-014 was filed as an upset breakdown due a possible issue with the Gas Turbine Burner Management System. The corrective actions performed by Roseville personnel and subsequent return of turbine operation without excess emissions have confirmed the upset breakdown filing. CT2 has been dispatched to run since the IB trim valve replacement and no other spikes in CO were observed.

Let me know if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Jorge Belda".

Jorge Belda

CO Ppmvdc 3-Hour Block Excess Emissions

CT2

From: 06/19/2024 00:00 To: 06/19/2024 12:19 Facility Name: ROSEVILLE ENERGY
Generated: 06/19/2024 12:22 Location: Roseville, CA



Tag Name: CT2_CO_Ppmvdc_3H

Total Operating Time: 10.00 Hour(s)

No Exclusions Allowed

Non-Operating Time: 3.00 Hour(s) Report Time: 13.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Tag Value	Limit	Reason Code	Action Code
1	06/19/24 09:00	06/19/24 11:59	3	5	4	21 - IB TRIM VALVE FAILING	19 - SHUT DOWN UNIT FOR REPAIR

Total Operating Time:	10.00 Hour(s)
Total Duration (Online only):	3.00 Hour(s)
Time in exceedance as a percentage of operating time:	30.00 %
Time in compliance as a percentage of operating time:	70.00 %

Report Code	Type	Text	Duration	Duration Percent
21	Reason	IB TRIM VALVE FAILING	3	100.00
19	Action	SHUT DOWN UNIT FOR REPAIR	3	100.00

Sample Spreadsheet Listing

Date/Time	CT2_CO_Ppmvdc_1M		CT2_CO_Ppmvdc_3H		CT2_Load_CT_MWe_1M		T5_ExhaustFlow_LbPerHr_1M		CT2_NOx_Ppmvdc_1M			
	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc
06/19/24 6:00	1.3		2		35.8		0		1.57			
06/19/24 6:01	1.4				35.9		0		1.48			
06/19/24 6:02	1.5				36.2		0		1.48			
06/19/24 6:03	1.5				36		0		1.48			
06/19/24 6:04	1.4				35.8		0		1.48			
06/19/24 6:05	1.3				35.5		0		1.57			
06/19/24 6:06	1.3				35.5		0		1.57			
06/19/24 6:07	1.4				35.8		0		1.57			
06/19/24 6:08	1.8				36.2		0		1.5			
06/19/24 6:09	1.8				35.7		0		1.38			
06/19/24 6:10	1.6				35.5		0		1.45			
06/19/24 6:11	1.4				35.5		0		1.45			
06/19/24 6:12	1.4				36		0		1.57			
06/19/24 6:13	1.4				36		0		1.57			
06/19/24 6:14	1.4				35.8		0		1.48			
06/19/24 6:15	1.3				35.8		0		1.57			
06/19/24 6:16	1.2				35.5		0		1.57			
06/19/24 6:17	1.3				35.4		0		1.57			
06/19/24 6:18	1.3				35.8		0		1.57			
06/19/24 6:19	1.5				36.1		0		1.48			
06/19/24 6:20	1.5				35.8		0		1.38			
06/19/24 6:21	1.4				35.6		0		1.36			
06/19/24 6:22	1.2				35.6		0		1.45			
06/19/24 6:23	1.2				35.4		0		1.48			
06/19/24 6:24	1.1				35.5		0		1.57			
06/19/24 6:25	1.1				35.9		0		1.57			
06/19/24 6:26	1.4				35.9		0		1.48			
06/19/24 6:27	1.5				36.1		0		1.48			
06/19/24 6:28	1.4				35.7		0		1.48			
06/19/24 6:29	1.1				35.5		0		1.48			
06/19/24 6:30	1.1				35.6		0		1.57			
06/19/24 6:31	1.3				35.9		0		1.48			

	CT2_CO_Ppmvdc_1M		CT2_CO_Ppmvdc_3H		CT2_Load_CT_MWe_1M		CT5_ExhaustFlow_LbPerHr_1M		CT2_NOx_Ppmvdc_1M			
Date/Time	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc
06/19/24 6:32	1.5				36		0		1.48			
06/19/24 6:33	1.4				35.9		0		1.48			
06/19/24 6:34	1.3				36		0		1.57			
06/19/24 6:35	1.2				35.8		0		1.57			
06/19/24 6:36	1.2				35.6		0		1.57			
06/19/24 6:37	1.2				36		0		1.57			
06/19/24 6:38	1.2				36.2		0		1.48			
06/19/24 6:39	1.1				35.9		0		1.48			
06/19/24 6:40	1.1				35.8		0		1.57			
06/19/24 6:41	1.1				35.8		0		1.48			
06/19/24 6:42	1.2				36.2		0		1.48			
06/19/24 6:43	1.2				36.2		0		1.5			
06/19/24 6:44	1.2				35.7		0		1.48			
06/19/24 6:45	1.1				35.5		20541.4	X	1.48			
06/19/24 6:46	1.1				35.5		0	X	1.57			
06/19/24 6:47	1.2				35.8		0	X	1.45			
06/19/24 6:48	1.4				36.1		0	X	1.48			
06/19/24 6:49	1.5				36.2		0		1.5			
06/19/24 6:50	1.3				35.8		0		1.5			
06/19/24 6:51	1.3				35.3		0		1.57			
06/19/24 6:52	1.2				35.5		0		1.57			
06/19/24 6:53	1.4				35.9		0		1.59			
06/19/24 6:54	1.5				36.3		0		1.5			
06/19/24 6:55	1.5				36.3		0		1.5			
06/19/24 6:56	1.4				35.8		0		1.48			
06/19/24 6:57	1.2				35.5		0		1.48			
06/19/24 6:58	1.1				35.5		0		1.48			
06/19/24 6:59	1.1				35.8		0		1.48			
06/19/24 7:00	1.2				36		0		1.48			
06/19/24 7:01	1.2				36		0		1.48			
06/19/24 7:02	1.2				35.6		0		1.48			
06/19/24 7:03	1.1				35.8		0		1.57			
06/19/24 7:04	1.1				36		0		1.57			
06/19/24 7:05	1.2				36.1		0		1.48			
06/19/24 7:06	1.2				35.8		0		1.48			

	CT2_CO_Ppmvdc_1M		CT2_CO_Ppmvdc_3H		CT2_Load_CT_MWe_1M		T5_ExhaustFlow_LbPerHr_1M		CT2_NOx_Ppmvdc_1M			
Date/Time	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc
06/19/24 7:07	1.1				35.6		0		1.48			
06/19/24 7:08	1				36		0		1.48			
06/19/24 7:09	1.2				36.3		0		1.59			
06/19/24 7:10	1.2				36.1		0		1.48			
06/19/24 7:11	1.2				35.7		0		1.48			
06/19/24 7:12	1.2				35.9		0		1.5			
06/19/24 7:13	1.2				35.9		0		1.48			
06/19/24 7:14	1.3				36.1		0		1.5			
06/19/24 7:15	1.2				35.8		0		1.48			
06/19/24 7:16	1.1				35.6		0		1.59			
06/19/24 7:17	1				35.8		0		1.48			
06/19/24 7:18	1.1				36.1		0		1.48			
06/19/24 7:19	1.1				36.2		0		1.5			
06/19/24 7:20	1.1				35.8		0		1.5			
06/19/24 7:21	1				35.7		0		1.48			
06/19/24 7:22	1				36		0		1.48			
06/19/24 7:23	1.1				36.1		0		1.5			
06/19/24 7:24	1.2				36		0		1.48			
06/19/24 7:25	1.1				35.7		0		1.48			
06/19/24 7:26	1.1				35.9		0		1.57			
06/19/24 7:27	1.1				36.2		0		1.57			
06/19/24 7:28	1.2				36.2		0		1.48			
06/19/24 7:29	1.2				35.8		0		1.48			
06/19/24 7:30	1.1				35.8		0		1.48			
06/19/24 7:31	1				36.1		0		1.48			
06/19/24 7:32	1.1				36.3		0		1.48			
06/19/24 7:33	1				36.5		0		1.5			
06/19/24 7:34	1				36.2		0		1.5			
06/19/24 7:35	1				36		0		1.57			
06/19/24 7:36	1				35.7		0		1.57			
06/19/24 7:37	0.9				35.6		0		1.57			
06/19/24 7:38	0.9				36.1		0		1.5			
06/19/24 7:39	0.9				36.4		0		1.5			
06/19/24 7:40	1				36.4		0		1.5			
06/19/24 7:41	1				36.1		0		1.5			

	CT2_CO_Ppmvdc_1M		CT2_CO_Ppmvdc_3H		CT2_Load_CT_MWe_1M		T5_ExhaustFlow_LbPerHr_1M		CT2_NOx_Ppmvdc_1M			
Date/Time	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc
06/19/24 7:42	0.9				35.8		0		1.48			
06/19/24 7:43	1				36.1		0		1.5			
06/19/24 7:44	1				36.2		0		1.48			
06/19/24 7:45	1				36.6		0		1.5			
06/19/24 7:46	0.9				36.3		0		1.5			
06/19/24 7:47	0.9				36.1		0		1.48			
06/19/24 7:48	0.9				36.1		0		1.59			
06/19/24 7:49	0.9				36.3		0		1.59			
06/19/24 7:50	0.8				36.4		0		1.59			
06/19/24 7:51	0.8				36.2		0		1.48			
06/19/24 7:52	0.9				36.1		0		1.5			
06/19/24 7:53	1				36.9		0		1.5			
06/19/24 7:54	1				39		0		1.5			
06/19/24 7:55	1				41.3		0		1.52			
06/19/24 7:56	1				40.9		0		2.06			
06/19/24 7:57	0.9				41.1		0		2.06			
06/19/24 7:58	0.9				41.3		0		1.9			
06/19/24 7:59	0.8				41.1		0		1.59			
06/19/24 8:00	2.7				41		0		1.36			
06/19/24 8:01	2.2				41		0		1.25			
06/19/24 8:02	1.6				41.1		0		1.25			
06/19/24 8:03	1.6				41.1		0		1.32			
06/19/24 8:04	1.4				41		0		1.41			
06/19/24 8:05	1.3				41		0		1.5			
06/19/24 8:06	1.2				40.9		0		1.59			
06/19/24 8:07	1.2				40.9		0		1.65			
06/19/24 8:08	1.1				41		0		1.65			
06/19/24 8:09	1				40.9		0		1.65			
06/19/24 8:10	1				40.7		0		1.56			
06/19/24 8:11	1				40.8		0		1.56			
06/19/24 8:12	1				40.7		0		1.43			
06/19/24 8:13	1				40.8		0		1.54			
06/19/24 8:14	1				40.5		0		1.52			
06/19/24 8:15	0.9				40.7		0		1.52			
06/19/24 8:16	0.9				40.8		0		1.52			

	CT2_CO_Ppmvdc_1M		CT2_CO_Ppmvdc_3H		CT2_Load_CT_MWe_1M		T5_ExhaustFlow_LbPerHr_1M		CT2_NOx_Ppmvdc_1M			
Date/Time	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc
06/19/24 8:17	0.9				40.5		0		1.43			
06/19/24 8:18	1				40.6		0		1.45			
06/19/24 8:19	1				40.7		0		1.48			
06/19/24 8:20	1.1				40.8		0		1.41			
06/19/24 8:21	1.2				40.8		0		1.43			
06/19/24 8:22	1.3				40.1		0		1.43			
06/19/24 8:23	1.6				38		0		1.5			
06/19/24 8:24	1.6				34.9		0		1.4			
06/19/24 8:25	1.2				32.2		0		1.29			
06/19/24 8:26	0.9				30.6		0		1.36			
06/19/24 8:27	1.1				30.1		0		1.27			
06/19/24 8:28	1.3				30		0		1.18			
06/19/24 8:29	1.7				30.2		0		1			
06/19/24 8:30	3.9				32.1		0		1.01			
06/19/24 8:31	23.6				34.8		0		1.03			
06/19/24 8:32	20.7				35.8		0		0.95			
06/19/24 8:33	6.6				36		0		0.94			
06/19/24 8:34	2.6				36		0		1.03			
06/19/24 8:35	1.1				36		0		1.12			
06/19/24 8:36	1				34.7		0		1.31			
06/19/24 8:37	1				32.1		0		1.38			
06/19/24 8:38	0.9				30.5		0		1.54			
06/19/24 8:39	0.9				30.2		0		1.63			
06/19/24 8:40	1.1				29.9		0		1.54			
06/19/24 8:41	1.5				29.8		0		1.29			
06/19/24 8:42	1.8				30.1		0		1.29			
06/19/24 8:43	2.3				31		0		1.29			
06/19/24 8:44	10.3				33.2		0		1.29			
06/19/24 8:45	33.4				35.4		0		1.22			
06/19/24 8:46	20.1				36		0		1.24			
06/19/24 8:47	2.8				36.2		0		1.24			
06/19/24 8:48	1.4				36.2		0		1.4			
06/19/24 8:49	1.2				36.1		0		1.59			
06/19/24 8:50	1				36.2		0		1.69			
06/19/24 8:51	0.9				35		0		1.78			

	CT2_CO_Ppmvdc_1M		CT2_CO_Ppmvdc_3H		CT2_Load_CT_MWe_1M		CT5_ExhaustFlow_LbPerHr_1M		CT2_NOx_Ppmvdc_1M			
Date/Time	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc
06/19/24 8:52	0.9				33.9		0		1.78			
06/19/24 8:53	0.9				33.3		0		1.75			
06/19/24 8:54	0.9				32.5		0		1.69			
06/19/24 8:55	0.9				31.7		0		1.48			
06/19/24 8:56	1				31		0		1.38			
06/19/24 8:57	1.1				30.3		0		1.38			
06/19/24 8:58	1.1				30.1		0		1.45			
06/19/24 8:59	1.3				30.1		0		1.48			
06/19/24 9:00	1.8		5		30		0		1.48			
06/19/24 9:01	2.3				30		0		1.38			
06/19/24 9:02	2.5				29.9		0		1.38			
06/19/24 9:03	2.3				30		0		1.48			
06/19/24 9:04	2.2				30		0		1.48			
06/19/24 9:05	2.4				29.9		0		1.48			
06/19/24 9:06	2.8				30		0		1.48			
06/19/24 9:07	3				30		0		1.57			
06/19/24 9:08	4.1				30		0		1.57			
06/19/24 9:09	6				30.1		0		1.48			
06/19/24 9:10	4.4				30		0		1.48			
06/19/24 9:11	4.4				30.1		0		1.48			
06/19/24 9:12	4.7				29.9		0		1.48			
06/19/24 9:13	5.1				30.2		0		1.48			
06/19/24 9:14	4.7				30		0		1.48			
06/19/24 9:15	4.6				30.1		0		1.57			
06/19/24 9:16	4.6				29.9		0		1.57			
06/19/24 9:17	4.9				31.2		0		1.57			
06/19/24 9:18	14.6				33.5		0		1.59			
06/19/24 9:19	30				34.6		0		1.5			
06/19/24 9:20	16.3				35		0		1.43			
06/19/24 9:21	2.1				35.1		0		1.43			
06/19/24 9:22	1.5				35.1		0		1.59			
06/19/24 9:23	1.3				35.1		0		1.69			
06/19/24 9:24	1.1				35.1		0		1.81			
06/19/24 9:25	1				35.1		0		1.81			
06/19/24 9:26	0.9				35.1		0		1.69			

	CT2_CO_Ppmvdc_1M		CT2_CO_Ppmvdc_3H		CT2_Load_CT_MWe_1M		T5_ExhaustFlow_LbPerHr_1M		CT2_NOx_Ppmvdc_1M			
Date/Time	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc	Value	SI Modc
06/19/24 9:27	0.8				35		0		1.59			
06/19/24 9:28	0.8				35		0		1.5			
06/19/24 9:29	1				35.2		0		1.52			
06/19/24 9:30	0.9				35.1		0		1.4			
06/19/24 9:31	0.9				34.8		0		1.4			
06/19/24 9:32	0.9				33		0		1.5			
06/19/24 9:33	0.8				30.2		0		1.94			
06/19/24 9:34	0.8				26.8		0		2.45			
06/19/24 9:35	0.9				23.6		0		2.54			
06/19/24 9:36	1.1				20.4		0		3.13			
06/19/24 9:37	1				17.7		0		3.81			
06/19/24 9:38	0.8				14.8		0		6.48			
06/19/24 9:39	0.5				12.1		0		19.56			
06/19/24 9:40	3				8.7		0		31.66			
06/19/24 9:41	88.9				5.7		0		36.17			
06/19/24 9:42	575.6				2.8		0		39.86			
06/19/24 9:43	1344.5				0		0		39.33			
06/19/24 9:44	0				0		0		45.73			
06/19/24 9:45	0				0		0		47.2			

Excess Emission Report



From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** ROSEVILLE ENERGY
Generated: 07/04/2024 03:01 **Location:** Roseville, CA

Tag Name: ALL_CO_Lb_1D
Total Operating Time: 89.00 Day(s) **No Exclusions Allowed**
Non-Operating Time: 2.00 Day(s) Report Time: 91.00 Day(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	89.00 Day(s)
Total Duration (Online only):	0.00 Day(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

Excess Emission Report



From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** ROSEVILLE ENERGY
Generated: 07/04/2024 03:02 **Location:** Roseville, CA

Tag Name: ALL_NOX_Lb_1D
Total Operating Time: 89.00 Day(s) **No Exclusions Allowed**
Non-Operating Time: 2.00 Day(s) Report Time: 91.00 Day(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	89.00 Day(s)
Total Duration (Online only):	0.00 Day(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

Excess Emission Report



From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** ROSEVILLE ENERGY
Generated: 07/04/2024 03:03 **Location:** Roseville, CA

Tag Name: ALL_PM10_Lb_1D
Total Operating Time: 89.00 Day(s) **No Exclusions Allowed**
Non-Operating Time: 2.00 Day(s) Report Time: 91.00 Day(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	89.00 Day(s)
Total Duration (Online only):	0.00 Day(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

Excess Emission Report



From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** ROSEVILLE ENERGY
Generated: 07/04/2024 03:03 **Location:** Roseville, CA

Tag Name: ALL_SO2_Lb_1D
Total Operating Time: 89.00 Day(s) **No Exclusions Allowed**
Non-Operating Time: 2.00 Day(s) Report Time: 91.00 Day(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	89.00 Day(s)
Total Duration (Online only):	0.00 Day(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

Excess Emission Report



From: 04/01/2024 00:00 **To:** 06/30/2024 23:59 **Facility Name:** ROSEVILLE ENERGY
Generated: 07/04/2024 03:04 **Location:** Roseville, CA

Tag Name: ALL_VOC_Lb_1D
Total Operating Time: 89.00 Day(s) **No Exclusions Allowed**
Non-Operating Time: 2.00 Day(s) Report Time: 91.00 Day(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	89.00 Day(s)
Total Duration (Online only):	0.00 Day(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

CO LbPerHr 3-Hour Rolling Excess Emissions

CT1



From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:06 Location: Roseville, CA

Tag Name: CT1_CO_3Hr_LbPerHr_1H
Total Operating Time: 1,500.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 684.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	1,500.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

CO Ppmvdc 3-Hour Block Excess Emissions



CT1

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:06 Location: Roseville, CA

Tag Name: CT1_CO_Ppmvdc_3H
Total Operating Time: 1,500.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 684.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	1,500.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

CO LbPerHr SUSd 1-Hour Block Excess Emissions



CT1

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:07 Location: Roseville, CA

Tag Name: CT1_CO_SUSD_LbPerHr_1H
Total Operating Time: 1,500.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 684.00 Hour(s) Report Time: 2,184.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Tag Value	Limit	Reason Code	Action Code
1	06/14/24 16:00	06/14/24 16:59	1	91.3	89.5		

Total Operating Time:	1,500.00 Hour(s)
Total Duration (Online only):	1.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.07 %
Time in compliance as a percentage of operating time:	99.93 %

NH3 Slip Ppmvdc 1-Hour Block Excess Emissions



CT1

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:08 Location: Roseville, CA

Tag Name: CT1_NH3Slip_Ppmvdc_1H
Total Operating Time: 1,500.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 684.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	1,500.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

NOx LbPerHr 1-Hour Block Excess Emissions



CT1

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:08 Location: Roseville, CA

Tag Name: CT1_NOx_Norm_LbPerHr_1H
Total Operating Time: 1,500.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 684.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	1,500.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

NOx Ppmvdc 1-Hour Block Excess Emissions

CT1

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:09 Location: Roseville, CA



Tag Name: CT1_NOx_Ppmvdc_1H
Total Operating Time: 1,500.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 684.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	1,500.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

NOx LbPerHr SUSd 1-Hour Block Excess Emissions



CT1

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:09 Location: Roseville, CA

Tag Name: CT1_NOx_SUSd_LbPerHr_1H
Total Operating Time: 1,500.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 684.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	1,500.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

PM10 LbPerHr 1-Hour Block Excess Emissions

CT1



From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:10 Location: Roseville, CA

Tag Name: CT1_PM10_Norm_LbPerHr_1H
Total Operating Time: 1,500.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 684.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	1,500.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

S02 LbPerHr 1-Hour Block Excess Emissions



CT1

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:11 Location: Roseville, CA

Tag Name: CT1_S02_Norm_LbPerHr_1H
Total Operating Time: 1,500.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 684.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	1,500.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

VOC LbPerHr 1-Hour Block Excess Emissions



CT1

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:11 Location: Roseville, CA

Tag Name: CT1_VOC_Norm_LbPerHr_1H
Total Operating Time: 1,500.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 684.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	1,500.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

CO LbPerHr 3-Hour Rolling Excess Emissions

CT2



From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:12 Location: Roseville, CA

Tag Name: CT2_CO_3Hr_LbPerHr_1H
Total Operating Time: 914.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 1,270.00 Hour(s) Report Time: 2,184.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Tag Value	Limit	Reason Code	Action Code
1	04/02/24 10:00	04/02/24 10:59	1	25.5	6.2		
2	04/02/24 11:00	04/02/24 11:59	1	54.8	6.2		

Total Operating Time:	914.00 Hour(s)
Total Duration (Online only):	2.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.22 %
Time in compliance as a percentage of operating time:	99.78 %

CO Ppmvdc 3-Hour Block Excess Emissions

CT2



From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:13 Location: Roseville, CA

Tag Name: CT2_CO_Ppmvdc_3H
Total Operating Time: 914.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 1,270.00 Hour(s) Report Time: 2,184.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Tag Value	Limit	Reason Code	Action Code
1	04/02/24 09:00	04/02/24 11:59	3	135	4		
2	06/19/24 09:00	06/19/24 11:59	3	5	4	21 - IB TRIM VALVE FAILING	19 - SHUT DOWN UNIT FOR REPAIR

Total Operating Time:	914.00 Hour(s)
Total Duration (Online only):	6.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.66 %
Time in compliance as a percentage of operating time:	99.34 %

Report Code	Type	Text	Duration	Duration Percent
21	Reason	IB TRIM VALVE FAILING	3	50.00
19	Action	SHUT DOWN UNIT FOR REPAIR	3	50.00

CO LbPerHr SUSd 1-Hour Block Excess Emissions



CT2

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:14 Location: Roseville, CA

Tag Name: CT2_CO_SUSD_LbPerHr_1H
Total Operating Time: 914.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 1,270.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	914.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

NH3 Slip Ppmvdc 1-Hour Block Excess Emissions



CT2

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:14 Location: Roseville, CA

Tag Name: CT2_NH3Slip_Ppmvdc_1H
Total Operating Time: 914.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 1,270.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	914.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

NOx LbPerHr 1-Hour Block Excess Emissions

CT2



From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:15 Location: Roseville, CA

Tag Name: CT2_NOx_Norm_LbPerHr_1H
Total Operating Time: 914.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 1,270.00 Hour(s) Report Time: 2,184.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Tag Value	Limit	Reason Code	Action Code
1	06/14/24 16:00	06/14/24 16:59	1	5.6	5.1		

Total Operating Time:	914.00 Hour(s)
Total Duration (Online only):	1.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.11 %
Time in compliance as a percentage of operating time:	99.89 %

NOx Ppmvdc 1-Hour Block Excess Emissions

CT2

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:16 Location: Roseville, CA



Tag Name: CT2_NOx_Ppmvdc_1H
Total Operating Time: 914.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 1,270.00 Hour(s) Report Time: 2,184.00 Hour(s)

Inc No	Start Time	End Time	Duration in Hour(s)	Tag Value	Limit	Reason Code	Action Code
1	06/14/24 16:00	06/14/24 16:59	1	4.0	2.0		

Total Operating Time:	914.00 Hour(s)
Total Duration (Online only):	1.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.11 %
Time in compliance as a percentage of operating time:	99.89 %

NOx LbPerHr SUSd 1-Hour Block Excess Emissions



CT2

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:16 Location: Roseville, CA

Tag Name: CT2_NOx_SUSd_LbPerHr_1H
Total Operating Time: 914.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 1,270.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	914.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

PM10 LbPerHr 1-Hour Block Excess Emissions

CT2



From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:17 Location: Roseville, CA

Tag Name: CT2_PM10_Norm_LbPerHr_1H
Total Operating Time: 914.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 1,270.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	914.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

S02 LbPerHr 1-Hour Block Excess Emissions

CT2



From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:18 Location: Roseville, CA

Tag Name: CT2_SO2_Norm_LbPerHr_1H
Total Operating Time: 914.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 1,270.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	914.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

VOC LbPerHr 1-Hour Block Excess Emissions

CT2

From: 04/01/2024 00:00 To: 06/30/2024 23:59 Facility Name: ROSEVILLE ENERGY
Generated: 07/04/2024 03:18 Location: Roseville, CA



Tag Name: CT2_VOC_Norm_LbPerHr_1H
Total Operating Time: 914.00 Hour(s) No Exclusions Allowed
Non-Operating Time: 1,270.00 Hour(s) Report Time: 2,184.00 Hour(s)

No incidents have been reported for this reporting period. Data is 100% in compliance.

Total Operating Time:	914.00 Hour(s)
Total Duration (Online only):	0.00 Hour(s)
Time in exceedance as a percentage of operating time:	0.00 %
Time in compliance as a percentage of operating time:	100.00 %

STAFF REPORT

TO: Placer County Air Pollution Control District Hearing Board

FROM: Emmanuel Orozco, Permitting and Engineering Manager

DATE: March 26, 2024

Petitioner:	Roseville Energy Park – Roseville Electric Utility
Number:	24-02
Petition type:	Short-Term Variance (90 Day Variance)
Rule Violation:	District Permit to Operate: REPR-20-02 Conditions: 18, 48, 49, 50, 51, 52, 53, 54, and 55 Title V Operating Permit: REP-001 Conditions: 2.1.8, 2.1.4, 2.1.6, 2.1.7, 2.1.1, 2.1.2, 2.6.2, 2.1.3, and 2.6.1
Period of time:	March 27, 2024, through May 1, 2024
Hearing Date:	March 26, 2024

BACKGROUND

Roseville Energy Park - Roseville Electric (REP) operates a power plant with a total of four natural-gas-fired combustion turbine generators (CTGs) located at 5120 Phillip Road, Roseville, California. Two CTGs (CT1 and CT2) are equipped with heat recovery systems linked to a steam turbine and the other two (CT5 and CT6) are simple cycle CTGs without heat recovery. All four CTGs are equipped with a selective catalytic reduction (SCR) system, made up of an ammonia (NH₃) injection grid and a catalyst bed with upstream and downstream sensors, used to reduce nitrogen oxide (NOx) emissions. An oxidation catalyst is used to reduce carbon monoxide (CO) and volatile organic compound (VOC) emissions.

In 2021, REP completed a hardware upgrade on the two combined cycle turbines, CT1 and CT2, and afterwards discovered an unexpected mechanical vibration in CT2. REP seeks to finalize a root cause analysis on the mechanical vibration and is requesting a variance to allow for the testing of the turbine as part of the planned vibration monitoring procedure to determine the cause of the vibration. The vibration monitoring procedure and subsequent testing will require operating the turbine at various loads and ramp rates which may create dynamic emission profiles from the combustion turbine. If any part of the emission control process becomes strained or compromised during the testing activities, there is the possibility that the control systems may not be able to sufficiently control emissions, resulting in exceedances in permitted operating limits, startup/shutdown emission limits, and/or concentration-based emission limits.

REP has requested this Short-Term Variance from Permit to Operate REPR-20-02 for Combustion Turbine #2, as well as the equivalent Title V Operating Permit, REP-001, for the following conditions:

- Condition 18. Startup definition requirements.
[REP-001, Condition 2.1.8]
- Condition 48. Calculation procedures and applicable limits on ammonia slip.
[REP-001, Condition 2.1.4]
- Condition 49. Concentration-based limits on short-term turbine combustion emissions during routine operation, excluding startup and shutdown.
[REP-001, Condition 2.1.6]
- Condition 50. Specific exemptions to the concentration-based NO_x limit.
[REP-001, Condition 2.1.7]
- Condition 51. Startup and shutdown mass emission limits for NO_x and CO.
[REP-001, Condition 2.1.1]
- Condition 52. Hourly emission limits on criteria pollutants (CO, NO_x, PM-10, SO_x, and VOCs).
[REP-001, Condition 2.1.2]
- Condition 53. Daily mass emission limits for the facility's permitted equipment, including the combined cycle combustion turbines.
[REP-001, Condition 2.6.2]
- Condition 54. Quarterly mass emission limits for the combined cycle combustion turbines.
[REP-001, Condition 2.1.3]
- Condition 55. Facility-wide quarterly mass emission limits.
[REP-001, Condition 2.6.1]

ESTIMATED EMISSIONS

It is not possible to quantify the expected emissions from the required testing and tuning activities. While it is possible that the rapidly ramping variable loads experienced by CT2 during these required activities will cause the plant to emit excess emissions, REP staff do not expect exceedances to be substantial. In addition to the possibility of excess combustion pollutants, it is possible that excess ammonia (NH₃) is emitted by the pollution control equipment as “slip” as a side effect of trying to mitigate the rapidly changing NO_x concentrations created by the abnormal operating scenarios. The applicant will monitor emissions using the plant's Continuous Emissions Monitoring System (CEMS) and mitigate the emissions from the combustion turbine using the existing air pollution control equipment. Any excess emissions observed in the combustion turbine during the vibration monitoring procedure and subsequent testing will be recorded and reported to the District. Additionally, the testing and tuning activities will be conducted as expeditiously as possible to minimize potential emission impacts.

EXCESS EMISSIONS FEES

Section 316 of District Rule 601, Permit Fees, establishes a fee schedule for excess emissions from non-complying emission sources associated with the granting of a variance by the District Hearing Board. This fee schedule (Schedule 601-C) may be used by the District Hearing Board to assess

fees on emissions which exceed the limits established by District permit conditions, or District rules or regulations. Schedule 601-C establishes a pollutant-specific excess emission fee, per pound of pollutant, per day. Additionally, Rule 601 requires that a minimum daily excess emission fee of \$119.90 per day be assessed for each day that excess emissions occur or are expected to occur while shielded by a variance. While no excess emissions are expected, the applicable excess emissions fees will be assessed should excess emissions be observed. The final amount of the excess emissions fees is subject to change based on the results of the review, tuning, mapping, and testing operations.

DISCUSSION AND MANDATORY FINDINGS

While evaluating the application for the Short-Term Variance, the Hearing Board shall consider whether the mandatory findings pursuant to California Health and Safety Code Sections 42352 and 42353 have been made. In supporting their application, the petitioner, Roseville Energy Park, has provided the following arguments for making those findings:

- A. *The petitioner for a variance is, or will be, in violation of Section 41701 or of any rule, regulation, or order of the district.*

Due to the dynamic emission profiles created during the testing and vibration monitoring activities which are beyond the range of normal operation, REP's permitted equipment could potentially exceed the permitted operational and emission limits associated with Combustion Turbine #2.

- B. *That, due to conditions beyond the reasonable control of the petitioner, required compliance would result in either (1) an arbitrary or unreasonable taking of property, or (2) the practical closing and elimination of a lawful business.*

The vibration monitoring procedure and subsequent testing of this equipment is required for the combustion turbine to continue providing clean, safe, efficient, and reliable operations which assist with overall grid stability to the Bulk Electric System. The possible exceedance of permit operational and emission limits during the testing process is beyond the reasonable control of the petitioner. If absolute compliance was required, the operation of the combustion turbine without the likelihood of eventual equipment degradation or mechanical failure would not be possible, and the power generating turbine would not be brought back into operation. This would constitute an arbitrary or unreasonable taking of property.

- C. *That the closing or taking would be without a corresponding benefit in reducing air contaminants.*

The closing of the business would be without a corresponding benefit to reducing air contaminants since the emissions that may result from the subsequent testing activities are expected to be minimal. Furthermore, the testing is intended to improve the safety, efficiency, and reliability of the generating station by proactively addressing a known vibration issue.

- D. *That the applicant for the variance has given consideration to curtailing operations of the*

source in lieu of obtaining a variance.

Curtailling operations is not an option. The generating equipment at REP provides essential electrical power to the City of Roseville, especially during times of increased power demand, and without the vibration monitoring activities and subsequent testing, Combustion Turbine #2 will not be able to reliably serve the citizens and businesses of the City of Roseville as an electrical utility.

- E. *During the period the variance is in effect, that the applicant will reduce emissions to the maximum extent feasible.*

During the period the variance is in effect, the applicant will monitor emissions using the plant's Continuous Emissions Monitoring System (CEMS), and to the maximum extent feasible, mitigate the emissions from the combustion turbine using the existing air pollution control equipment. Additionally, the required work will be conducted as expeditiously as possible to minimize potential emissions impacts.

- F. *During the period the variance is in effect, that the applicant will monitor or otherwise quantify emission levels from the source, if requested to do so by the district, and report these emission levels to the district pursuant to a schedule established by the district.*

The applicant will at all times monitor or otherwise quantify NO_x, CO, and NH₃ emission levels using the existing CEMS and the approved NH₃ slip calculation. The facility will provide the District with a monthly status report as well as a written final report after the vibration monitoring and testing activities have taken place, or after the variance is closed. Any non-compliance events will be reported using the District's existing reporting mechanisms.

- G. *Per Section 42353 of the California Health and Safety Code no variance shall be granted if the operation, under variance, will result in a violation of Section 41700. Section 41700 prohibits the discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.*

The granting of a Short-Term Variance will not result in a nuisance, a violation of Section 41700 of the California Health and Safety Code, or of Rule 205, Nuisance, of the Rules and Regulations of the Placer County Air Pollution Control District.

OPTIONS AVAILABLE

1. The hearing board may deny the petition for a Short-Term Variance.
2. The hearing board may grant the Short-Term Variance from the permit conditions described herein with the appropriate Hearing Board Order conditions stated.

STAFF RECOMMENDATION

This Short-Term Variance should only be granted during the periods of testing necessary to monitor, diagnose, and confirm repairs related to the observed excess vibration on the combustion turbine. The variance should not be in effect during routine operation that is not directly a part of, the testing equipment troubleshooting processes.

Staff recommends approval of this Short-Term Variance beginning March 27, 2024, with full compliance required by no later than May 1, 2024.

Attachment: Proposed Variance Order #24-02

AQ-40

AQ-40 The Project owner shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F.

Verification: The Project owner shall include all CEMS quality assurance test failures that required corrective action as part of the Quarterly Air Quality Report required by the Condition of Certification AQ-SC6

Cylinder Gas Audit

07/04/2024

Page 1

Facility: ROSEVILLE ENERGY
Unit/Stack: CT2
Parameter/Scale: CO / High

Test Date: 06/12/2024
Test **Pass**

Instrument: CT2_CODualRg_P_Instr
Performance: 15 Pct
Alternate Spec: 5 Ppm

Date	Time	Test Level	Span Value	Reference Value	Measured Value	Ref Value As Pct
06/12/2024	11:57	L	200	49.900	49.800	25.0
06/12/2024	12:02	M	200	109.100	113.700	54.6
06/12/2024	12:14	L	200	49.900	50.500	25.0
06/12/2024	12:19	M	200	109.100	112.100	54.6
06/12/2024	12:31	L	200	49.900	50.900	25.0
06/12/2024	12:36	M	200	109.100	112.700	54.6

Summary Statistics:

Cal Gas Level	Reference Mean	CEMS Mean	Specification Used	Results
L	49.900	50.400	Std	1.0
M	109.100	112.833	Std	3.4

Cylinder Gas Audit

07/04/2024

Page 2

Facility: ROSEVILLE ENERGY
Unit/Stack: CT2
Parameter/Scale: CO / Low

Test Date: 06/12/2024
Test: **Pass**

Instrument: CT2_CODualRg_P_Instr
Performance: 15 Pct
Alternate Spec: 5 Ppm

Date	Time	Test Level	Span Value	Reference Value	Measured Value	Ref Value As Pct
06/12/2024	14:08	L	10	2.600	2.200	26.0
06/12/2024	14:13	M	10	5.600	5.600	56.0
06/12/2024	14:20	L	10	2.600	2.300	26.0
06/12/2024	14:25	M	10	5.600	5.700	56.0
06/12/2024	14:32	L	10	2.600	2.200	26.0
06/12/2024	14:37	M	10	5.600	5.800	56.0

Summary Statistics:

Cal Gas Level	Reference	Mean	CEMS Mean	Specification Used	Results
L	2.600		2.233	Std	14.1
M	5.600		5.700	Std	1.8

Cylinder Gas Audit

07/04/2024

Page 3

Facility: ROSEVILLE ENERGY
Unit/Stack: CT1
Parameter/Scale: CO / High

Test Date: 04/16/2024
Test: **Pass**

Instrument: CT1_CODualRg_P_Instr
Performance: 15 Pct
Alternate Spec: 5 Ppm

Date	Time	Test Level	Span Value	Reference Value	Measured Value	Ref Value As Pct
04/16/2024	08:41	L	200	49.800	47.300	24.9
04/16/2024	08:46	M	200	109.200	109.200	54.6
04/16/2024	08:57	L	200	49.800	47.300	24.9
04/16/2024	09:02	M	200	109.200	109.200	54.6
04/16/2024	09:13	L	200	49.800	47.300	24.9
04/16/2024	09:18	M	200	109.200	108.800	54.6

Summary Statistics:

Cal Gas Level	Reference Mean	CEMS Mean	Specification Used	Results
L	49.800	47.300	Std	5.0
M	109.200	109.067	Std	0.1

Cylinder Gas Audit

07/04/2024

Page 4

Facility: ROSEVILLE ENERGY
Unit/Stack: CT1
Parameter/Scale: CO / Low

Test Date: 04/16/2024
Test **Pass**

Instrument: CT1_CODualRg_P_Instr
Performance: 15 Pct
Alternate Spec: 5 Ppm

Date	Time	Test Level	Span Value	Reference Value	Measured Value	Ref Value As Pct
04/16/2024	10:40	L	10	2.400	2.300	24.0
04/16/2024	10:45	M	10	5.700	5.800	57.0
04/16/2024	10:52	L	10	2.400	2.300	24.0
04/16/2024	10:57	M	10	5.700	5.800	57.0
04/16/2024	11:04	L	10	2.400	2.300	24.0
04/16/2024	11:09	M	10	5.700	5.800	57.0

Summary Statistics:

Cal Gas Level	Reference	Mean	CEMS Mean	Specification Used	Results
L	2.400		2.300	Std	4.2
M	5.700		5.800	Std	1.8

Cylinder Gas Audit

07/04/2024

Page 5

Facility: ROSEVILLE ENERGY
Unit/Stack: CT5
Parameter/Scale: CO / Low

Test Date: 06/24/2024
Test **Pass**

Instrument: CT5_CODualRg_P_Instr
Performance: 15 Pct
Alternate Spec: 5 Ppm

Date	Time	Test Level	Span Value	Reference Value	Measured Value	Ref Value As Pct
06/24/2024	07:50	L	20	5.100	5.000	25.5
06/24/2024	07:55	M	20	11.100	11.100	55.5
06/24/2024	08:07	L	20	5.100	5.000	25.5
06/24/2024	08:12	M	20	11.100	11.100	55.5
06/24/2024	08:24	L	20	5.100	5.000	25.5
06/24/2024	08:29	M	20	11.100	11.100	55.5

Summary Statistics:

Cal Gas Level	Reference Mean	CEMS Mean	Specification Used	Results
L	5.100	5.000	Std	2.0
M	11.100	11.100	Std	0.0

Cylinder Gas Audit

07/04/2024

Page 6

Facility: ROSEVILLE ENERGY
Unit/Stack: CT5
Parameter/Scale: CO / High

Test Date: 06/24/2024
Test **Pass**

Instrument: CT5_CODualRg_P_Instr
Performance: 15 Pct
Alternate Spec: 5 Ppm

Date	Time	Test Level	Span Value	Reference Value	Measured Value	Ref Value As Pct
06/24/2024	10:17	L	1000	245.400	258.600	24.5
06/24/2024	10:22	M	1000	559.500	559.600	56.0
06/24/2024	10:29	L	1000	245.400	258.300	24.5
06/24/2024	10:34	M	1000	559.500	559.700	56.0
06/24/2024	10:41	L	1000	245.400	258.700	24.5
06/24/2024	10:46	M	1000	559.500	561.700	56.0

Summary Statistics:

Cal Gas Level	Reference Mean	CEMS Mean	Specification Used	Results
L	245.400	258.533	Std	5.4
M	559.500	560.333	Std	0.1

Cylinder Gas Audit

07/04/2024

Page 7

Facility: ROSEVILLE ENERGY
Unit/Stack: CT6
Parameter/Scale: CO / Low

Test Date: 06/24/2024
Test **Pass**

Instrument: CT6_CODualRg_P_Instr
Performance: 15 Pct
Alternate Spec: 5 Ppm

Date	Time	Test Level	Span Value	Reference Value	Measured Value	Ref Value As Pct
06/24/2024	12:10	L	20	5.000	5.000	25.0
06/24/2024	12:15	M	20	11.200	11.200	56.0
06/24/2024	12:27	L	20	5.000	5.000	25.0
06/24/2024	12:32	M	20	11.200	11.200	56.0
06/24/2024	12:44	L	20	5.000	5.000	25.0
06/24/2024	12:49	M	20	11.200	11.100	56.0

Summary Statistics:

Cal Gas Level	Reference	Mean	CEMS Mean	Specification Used	Results
L	5.000		5.000	Std	0.0
M	11.200		11.167	Std	0.3

Cylinder Gas Audit

07/04/2024

Page 8

Facility: ROSEVILLE ENERGY
Unit/Stack: CT6
Parameter/Scale: CO / High

Test Date: 06/24/2024
Test **Pass**

Instrument: CT6_CODualRg_P_Instr
Performance: 15 Pct
Alternate Spec: 5 Ppm

Date	Time	Test Level	Span Value	Reference Value	Measured Value	Ref Value As Pct
06/24/2024	13:20	L	1000	250.000	257.300	25.0
06/24/2024	13:25	M	1000	571.000	577.000	57.1
06/24/2024	13:32	L	1000	250.000	257.200	25.0
06/24/2024	13:37	M	1000	571.000	575.300	57.1
06/24/2024	13:44	L	1000	250.000	257.400	25.0
06/24/2024	13:49	M	1000	571.000	575.100	57.1

Summary Statistics:

Cal Gas Level	Reference Mean	CEMS Mean	Specification Used	Results
L	250.000	257.300	Std	2.9
M	571.000	575.800	Std	0.8

Linearity Report

07/04/2024

Page 1

ORIS Code:	56298	Facility Name:	ROSEVILLE ENERGY		
EDR Site ID:	CT002	Component ID:	A21	ReasonForTes	QA
		Component Type:	NOXA	Grace	0
Instrument Name:	CT2_NOXDualRg_P_Instr	Test End	06/12/2024	Scale:	High
Performance Spec:	5 %	Test No.:	133	Highest	1.9
		Status	Passed		

Date	Time	Cal Gas Level	Span Value	Ref Value	Meas Value	Aborted Test Indicator	Ref Value As Pct Span
06/12/2024	1157	L	200.0	51.1	49.9		25.6
06/12/2024	1202	M	200.0	111.3	110.2		55.7
06/12/2024	1207	H	200.0	181.6	178.4		90.8
06/12/2024	1214	L	200.0	51.1	50.2		25.6
06/12/2024	1219	M	200.0	111.3	110.4		55.7
06/12/2024	1224	H	200.0	181.6	178.4		90.8
06/12/2024	1231	L	200.0	51.1	50.3		25.6
06/12/2024	1236	M	200.0	111.3	110.4		55.7
06/12/2024	1241	H	200.0	181.7	178.4		90.9

Summary Statistics:

Cal Gas Level	Reference Mean	CEMS Mean	Alt Perf Spec	Results
L	51.100	50.133	No	1.9
M	111.300	110.333	No	0.9

Linearity Report

07/04/2024

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ORIS Code: 56298

EDR Site ID: CT002

Facility Name: ROSEVILLE ENERGY

Component ID: A22

Component Type: O2D

ReasonForTes QA

Grace 0

Instrument Name: CT2_O2D_P_Instrument

Performance Spec: 5 %

Test End 06/12/2024

Test No.: 134

Status **Passed**

Scale: High

Highest 0.3

Date	Time	Cal Gas Level	Span Value	Ref Value	Meas Value	Aborted Test Indicator	Ref Value As Pct Span
06/12/2024	1312	L	21.0	5.0	5.0		23.8
06/12/2024	1317	M	21.0	11.1	11.0		52.9
06/12/2024	1322	H	21.0	18.0	18.0		85.7
06/12/2024	1329	L	21.0	5.0	5.0		23.8
06/12/2024	1334	M	21.0	11.1	11.1		52.9
06/12/2024	1339	H	21.0	18.0	18.0		85.7
06/12/2024	1346	L	21.0	5.0	5.0		23.8
06/12/2024	1351	M	21.0	11.1	11.1		52.9
06/12/2024	1356	H	21.0	18.0	18.0		85.7

Summary Statistics:

Cal Gas Level	Reference Mean	CEMS Mean	Alt Perf Spec	Results
L	5.000	5.000	No	0.0
M	11.100	11.067	No	0.3

Linearity Report

07/04/2024

Page 3

ORIS Code:	56298	Facility Name:	ROSEVILLE ENERGY		
EDR Site ID:	CT001	Component ID:	A15	ReasonForTes	QA
		Component Type:	NOXA	Grace	0
Instrument Name:	CT1_NOXDualRg_P_Instr	Test End	04/16/2024	Scale:	High
Performance Spec:	5 %	Test No.:	129	Highest	2.3
		Status	Passed		

Date	Time	Cal Gas Level	Span Value	Ref Value	Meas Value	Aborted Test Indicator	Ref Value As Pct Span
04/16/2024	0841	L	200.0	51.3	49.6		25.7
04/16/2024	0846	M	200.0	111.6	110.0		55.8
04/16/2024	0851	H	200.0	180.6	180.4		90.3
04/16/2024	0857	L	200.0	51.3	50.3		25.7
04/16/2024	0902	M	200.0	111.6	110.6		55.8
04/16/2024	0907	H	200.0	180.6	180.9		90.3
04/16/2024	0913	L	200.0	51.3	50.4		25.7
04/16/2024	0918	M	200.0	111.6	110.6		55.8
04/16/2024	0923	H	200.0	181.4	180.9		90.7

Summary Statistics:

Cal Gas Level	Reference Mean	CEMS Mean	Alt Perf Spec	Results
L	51.300	50.100	No	2.3
M	111.600	110.400	No	1.1

Linearity Report

07/04/2024

Page 4

ORIS Code: 56298

EDR Site ID: CT001

Facility Name: ROSEVILLE ENERGY

Component ID: A16

Component Type: O2D

ReasonForTes QA

Grace 0

Instrument Name: CT1_O2D_P_Instrument

Test End 04/16/2024

Scale: High

Performance Spec: 5 %

Test No.: 130

Highest 3.6

Status **Passed**

Date	Time	Cal Gas Level	Span Value	Ref Value	Meas Value	Aborted Test Indicator	Ref Value As Pct Span
04/16/2024	1236	L	18.0	5.5	5.3		30.6
04/16/2024	1241	M	18.0	11.2	11.1		62.2
04/16/2024	1246	H	18.0	18.0	18.1		100.0
04/16/2024	1253	L	18.0	5.5	5.3		30.6
04/16/2024	1258	M	18.0	11.2	11.1		62.2
04/16/2024	1303	H	18.0	18.0	18.1		100.0
04/16/2024	1310	L	18.0	5.5	5.3		30.6
04/16/2024	1315	M	18.0	11.2	11.1		62.2
04/16/2024	1320	H	18.0	18.0	18.1		100.0

Summary Statistics:

Cal Gas Level	Reference Mean	CEMS Mean	Alt Perf Spec	Results
L	5.500	5.300	No	3.6
M	11.200	11.100	No	0.9