

EMERGENCY GENERATOR AIR QUALITY CHECKS AND RECORDKEEPING

Discussion Topics

- ▣ Permit Conditions for Air Quality Checks
- ▣ Procedure for Checking Air Quality
- ▣ Procedure for Documenting Air Quality

- ▣ Permit Conditions for Recordkeeping
- ▣ Recordkeeping Example

- ▣ Case Study – Air Quality & Record Violations

Air Quality Checks

Permit Condition for Air Quality Checks

Applicable Requirement
<p>Emergency generators shall not be used: 1) In a circumstance other than an emergency; for normal testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" or "hazardous" unless required in writing by a Federal or State law or regulation. Procedures for determining the air quality forecasts for New Jersey are available at the Department air quality web site at http://www.state.nj.us/dep/aqpp/aqforecast ;</p>

Procedure for Checking Air Quality

Access The Following Website:

- ▣ Go to www.state.nj.us/dep/aqpp/aqforecast

Air Quality Website Scroll Down This Page



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

AQPP Air Quality Permitting Program

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How to Obtain the Air Quality Forecast in New Jersey

Purpose:

Identify the Air Quality Forecast to determine if Emergency Generator can or can not be used *for normal testing/maintenance* on a specific day.

IMPORTANT NOTE: EMERGENCY GENERATORS CAN BE USED WHENEVER NEEDED FOR *TRUE EMERGENCIES*, REGARDLESS OF THE AIR QUALITY. The procedures below apply to *normal testing and maintenance* usage. They do not apply to *emergency* usage.

Background:

Procedure For Air Quality Checks On The Same Day Of Testing

Procedure:

Check the air quality forecast before using the Emergency Generator for normal testing/maintenance, using either "A" or "B" below, whichever is more appropriate:

A. Same day the emergency generator will be used for normal testing/maintenance

- At anytime on the same day the emergency generator will be used for normal testing/maintenance, go to:

Air Quality Conditions and Forecasts

- Read the "Forecast" column for today's date.
- If this column lists the air quality *anywhere* in NJ as **Unhealthy for Sensitive Groups**, **Unhealthy**, **Very Unhealthy**, or **Hazardous**, then testing/maintenance CAN NOT be done today.
- Reschedule testing/maintenance for another day.
- Remember to re-check the Air Quality Forecast on that rescheduled testing day, and on any other day that the Emergency Generator will be use for normal testing/maintenance.

Procedure For Air Quality Checks For Testing The Next Day

B. Day before the emergency generator will be used for normal testing/maintenance

- Only after 5:00 pm on the day before the emergency generator will be used for normal testing/maintenance, go to:

Air Quality Conditions and Forecasts

- Read the "Forecast" column for tomorrow's date.
- If this column lists the air quality *anywhere* in NJ as **Unhealthy for Sensitive Groups** , **Unhealthy**, **Very Unhealthy**, or **Hazardous**, then you CAN NOT do the testing/maintenance tomorrow.
- Reschedule your testing/maintenance for another day.
- Remember to re-check the Air Quality Forecast on that rescheduled testing day, and on any other day that the Emergency Generator will be used for normal testing/maintenance.

Air Quality Forecast Legend

Summary:

Can Use Emergency Generator

- Good Air Quality
- Moderate Air Quality

Can't Use Emergency Generator

- Unhealthy for Sensitive Groups Air Quality
- Unhealthy Air Quality
- Very Unhealthy Air Quality
- Hazardous Air Quality

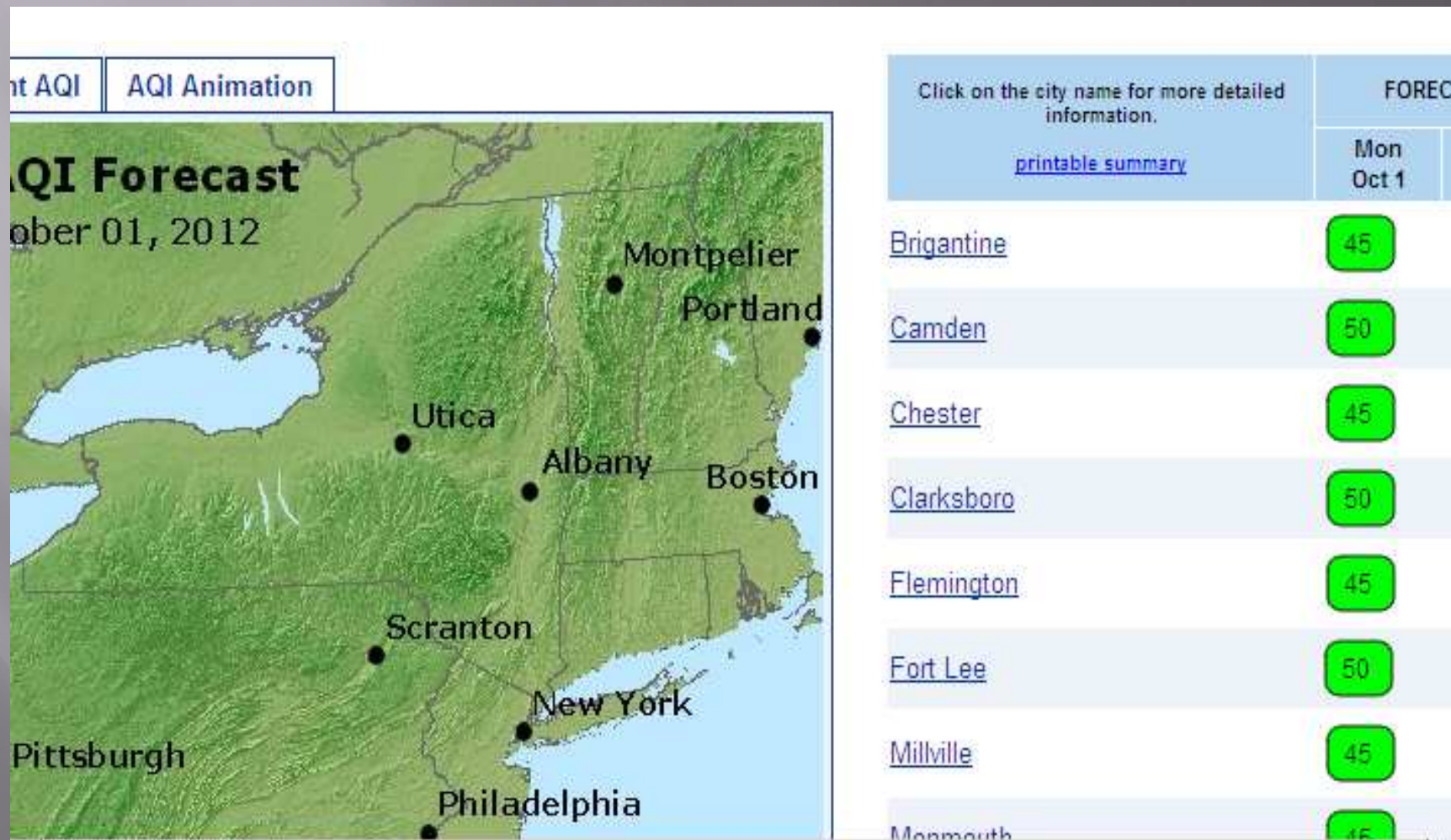
“Click” On:

Air Quality Conditions and Forecasts

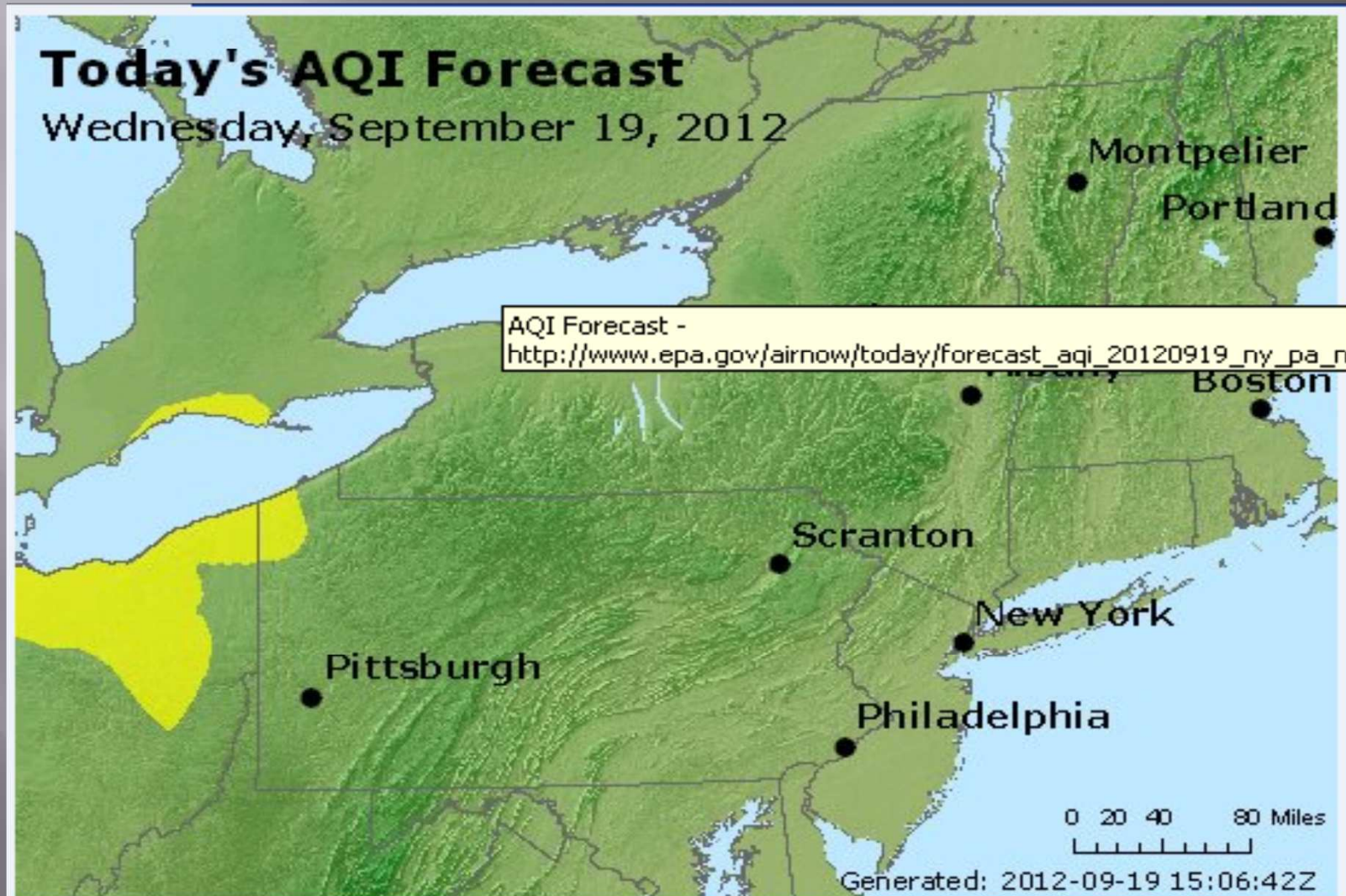
The Link Will Bring You To
The “Air Now” Website



“Screen Shot” of the “Air Now” Website



“Air Now” Map for Current Day



“Air Now” Table For The Current Day and The Next Day

Click on the city name for more detailed information. printable summary	FORECAST		CURRENT AQI
	Wed Sep 19	Thu Sep 20	
Brigantine	45	45	16
Camden	45	45	19
Chester	45	45	18
Clarksboro	45	45	16
Flemington	45	45	19
Fort Lee	45	45	16
Millville	45	45	6
Monmouth	45	45	15

Procedure For Documenting The Air Quality Forecast

Documenting The Air Quality Forecast

“Left Click” the “Printable Summary” Link

Click on the city name for more detailed information.	FORECAST		CURRENT AQI
	Wed Sep 19	Thu Sep 20	
printable summary			
Brigantine	45	45	16
Camden	45	45	19
Chester	45	45	18
Clarksboro	45	45	16
Flemington	45	45	19
Fort Lee	45	45	16
Millville	45	45	6
Monmouth	45	45	15

The Following Page Will Appear

AIRNOW

New Jersey Air Quality Forecasts and Current Conditions Summary

Data courtesy of: New Jersey Department of Environmental Protection

Click on the city name for more detailed information.	FORECAST		CURRENT AQI	
	Tue Oct 2	Wed Oct 3		
Brigantine	35 Good	40 Good	31	Good
Camden	45 Good	40 Good	28	Good
Chester	40 Good	45 Good	8	Good
Clarksboro	40 Good	40 Good	28	Good

Done Internet 100%

Start | Inbox - Carl... | NJEMS | New Jersey... | 12-10-2-II... | 2 Interne... | 3:05 PM

Click "File"

AIRNOW

New Jersey Air Quality Forecasts and Current Conditions Summary

Data courtesy of: New Jersey Department of Environmental Protection

Click on the city name for more detailed information.	FORECAST				CURRENT AQI	
	Tue Oct 2		Wed Oct 3			
Brigantine	35	Good	40	Good	31	Good
Camden	45	Good	40	Good	28	Good
Chester	40	Good	45	Good	8	Good
Clarksboro	40	Good	40	Good	28	Good

Click "Save As" or "Print"

The screenshot shows a Windows Internet Explorer browser window displaying the AIRNow website. The browser's address bar shows the URL http://www.airnow.gov/index.cfm?action=airnow.print_su. The File menu is open, and the 'Print...' option is highlighted with a red box and a red arrow pointing to it. The website content includes a header with a blue sky image, the title 'New Jersey Air Quality Forecasts and Current Conditions Summary', and a table of air quality data for various cities.

Click on the city name for more detailed information.	FORECAST		CURRENT AQI
	Tue Oct 2	Wed Oct 3	
Brigantine	35 Good	40 Good	31 Good
Camden	45 Good	40 Good	28 Good
Chester	40 Good	45 Good	8 Good
Clarksboro	40 Good	40 Good	28 Good

Printed Version Of The Table



New Jersey Air Quality Forecasts and Current Conditions Summary

Data courtesy of: New Jersey Department of Environmental Protection

Click on the city name for more detailed information.	FORECAST		CURRENT AQI
	Tue Oct 2	Wed Oct 3	
Brigantine	35	40	31
Camden	45	40	28
Chester	40	45	8
Clarksboro	40	40	28
Flemington	40	40	44
Fort Lee	40	40	4
Millville	40	40	21
Monmouth	40	40	33
New Brunswick	40	40	17
New Jersey			n/a
New Jersey Highlands	40	45	44
Newark	40	40	47
Ocean County/Colliers Mills	40	45	31
Ramapo	40	45	4
Rider University	40	45	28

Emergency Generator Recordkeeping

Permit Condition for Emergency Generator Recordkeeping

Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator of an emergency generator shall record in a logbook or computer data system, the following information for each emergency generator: (a) Total operating time from the emergency generator's hour meter, once per month; (b) If a voltage reduction is the reason for use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction, upon occurrence of event; and (c) If testing or maintenance is the reason for the operation of the emergency generator, the Permittee shall record the following upon occurrence of event: 1. The reason for its operation. 2. The date(s) of operation and the start-up and shutdown time; 3. The total operating time for testing or maintenance based on the emergency generator's hour meter; and 4. The name of the operator. 5. The monthly hours of operation during emergency periods shall be maintained.

An Example of the Record Filled Out:

EMERGENCY GENERATOR RECORDKEEPING

Air PI# abcdef

Permit # GEN070001

Generator Descrip: Kohler Power Systems 1200

ONCE PER MONTH, HOUR METER:

EVERY INSTANCE OF TESTING, MAINTENANCE, REPAIR OR BROWNOUT/VOLTAGE REDUCTION:

ENTER YEAR:	Record on the first day of each month	HOUR METER READING	INITIALS
2009	1/1/2009	220	CV
	Feb 2/1/2009	260	CV
	March 3/1/2009	272	CV
	April 4/1/2009	284	CV
	May 5/1/2009	290	CV
	June 6/1/2009	300	CV
	July 7/1/2009	302	CV
	Aug 8/1/2009	320	CV
	Sept 9/1/2009	350	CV
	Oct 10/1/2009	351	CV
	Nov 11/1/2009	440	CV
	Dec 12/1/2009	448	CV
Year End	12/31/2009	454	CV
* - Enter final hour reading as close to the end of the year as possible			

NOTE: keep records onsite for 5 years

NOTE: If used during a brownout/voltage reduction, also keep some record (preferably a notification from your power company) that documents the brownout event.

DATE	STARTUP TIME	STARTUP HR METER	SHUTDOWN TIME	SHUTDOWN HR METER	Event Operating Time	CUMULATIVE OPERATING TIME	INITIALS	REASON FOR OPERATION
1/3/2009	12:00	231.0	13:00	232.0	1.0	1.0	CV	Startup after Maintenance
1/8/2009	14:00	234.5	14:30	235.0	0.5	1.5	CV	Routine Exercising
1/15/2009	9:30	238.1	10:00	238.6	0.5	2.0	CV	Routine Exercising
1/23/2009	14:00	241.0	16:30	243.5	2.5	4.5	CV	Power Transfer Testing
1/30/2009	11:00	250.1	11:30	250.6	0.5	5.0	CV	Routine Exercising
2/20/2009	12:00	264.2	12:30	264.7	0.5	5.5	CV	Routine Exercising
3/10/2009	14:00	280.0	14:30	280.5	0.5	6.0	CV	Routine Exercising
4/7/2009	10:00	287.0	10:30	287.5	0.5	6.5	CV	Routine Exercising
5/8/2009	9:00	291.0	9:30	291.5	0.5	7.0	CV	Power Transfer Testing
6/4/2009	8:15	301.0	8:45	301.5	0.5	7.5	CV	Startup after Maintenance
7/8/2009	10:15	305.0	10:45	305.5	0.5	8.0	CV	Startup after Maintenance
8/16/2009	15:00	325.0	16:00	326.0	1.0	9.0	CV	Power Transfer Testing
9/4/2009	11:30	350.0	12:30	351.0	1.0	10.0	CV	Startup after Maintenance
10/2/2009	8:00	354.0	8:30	354.5	0.5	10.5	CV	Routine Exercising
11/10/2009	13:30	444.0	14:30	445.0	1.0	11.5	CV	Power Transfer Testing
12/12/2009	9:30	450.0	10:30	451.0	1.0	12.5	CV	Routine Exercising

Case Study

Operating on a Bad Air Quality Day

Reviewing Operating Data Print Out From a Computer That Operates 72 Generators in NJ Simultaneously

██████████
Energy Management System Generator Operation Log

System	SystemName	AlarmDescription	AlarmName	TimeOccurred	Occurrences	FirstTimeLogged	LastTimeLogged
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	1/14/2008 9:01	1	1/14/2008 9:01	1/14/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	1/21/2008 9:01	1	1/21/2008 9:01	1/21/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	1/28/2008 9:00	1	1/28/2008 9:01	1/28/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	2/4/2008 9:00	1	2/4/2008 9:01	2/4/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	2/8/2008 12:27	1	2/8/2008 12:27	2/8/2008 12:27
6911	MORGANVILLE NJ	L-Monitor Alarm	32 GENERATOR ALARM	2/8/2008 12:27	1	2/8/2008 12:27	2/8/2008 12:27
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	2/11/2008 9:00	1	2/11/2008 9:01	2/11/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	29 GENERATOR ATS	2/18/2008 8:40	1	2/18/2008 8:40	2/18/2008 8:40
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	2/18/2008 8:40	1	2/18/2008 8:41	2/18/2008 8:41
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	2/18/2008 9:00	1	2/18/2008 9:01	2/18/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	2/25/2008 9:01	1	2/25/2008 9:02	2/25/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	3/28/2008 16:25	1	3/28/2008 16:26	3/28/2008 16:26
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	3/31/2008 9:00	1	3/31/2008 9:01	3/31/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	4/7/2008 9:01	1	4/7/2008 9:02	4/7/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	4/14/2008 9:00	1	4/14/2008 9:02	4/14/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	4/21/2008 9:00	1	4/21/2008 9:02	4/21/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	32 GENERATOR ALARM	4/21/2008 9:01	2	4/21/2008 9:03	4/27/2008 22:33
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	5/8/2008 10:38	1	5/8/2008 10:40	5/8/2008 10:40
6911	MORGANVILLE NJ	L-Monitor Alarm	32 GENERATOR ALARM	5/8/2008 10:38	1	5/8/2008 10:40	5/8/2008 10:40
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	5/8/2008 10:39	1	5/8/2008 10:41	5/8/2008 10:41
6911	MORGANVILLE NJ	L-Monitor Alarm	32 GENERATOR ALARM	5/8/2008 10:40	1	5/8/2008 10:42	5/8/2008 10:42
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	5/9/2008 8:26	1	5/9/2008 8:28	5/9/2008 8:28
6911	MORGANVILLE NJ	L-Monitor Alarm	32 GENERATOR ALARM	5/9/2008 8:26	1	5/9/2008 8:28	5/9/2008 8:28
6911	MORGANVILLE NJ	L-Monitor Alarm	29 GENERATOR ATS	5/9/2008 8:30	1	5/9/2008 8:32	5/9/2008 8:32
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	5/9/2008 8:30	1	5/9/2008 8:32	5/9/2008 8:32
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	5/12/2008 9:00	1	5/12/2008 9:02	5/12/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	5/19/2008 9:01	1	5/19/2008 9:02	5/19/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	5/26/2008 9:00	1	5/26/2008 9:02	5/26/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	6/2/2008 9:00	1	6/2/2008 9:01	6/2/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	6/9/2008 9:00	1	6/9/2008 9:01	6/9/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	6/16/2008 9:01	1	6/16/2008 9:01	6/16/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	6/23/2008 9:01	1	6/23/2008 9:02	6/23/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	29 GENERATOR ATS	6/26/2008 11:34	1	6/26/2008 11:35	6/26/2008 11:35

Bad Air Quality Forecasted For May 26, 2008

Energy Management System Generator Operation Log

System	SystemName	AlarmDescription	AlarmName	TimeOccurred	Occurrences	FirstTimeLogged	LastTimeLogged
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	1/14/2008 9:01	1	1/14/2008 9:01	1/14/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	1/21/2008 9:01	1	1/21/2008 9:01	1/21/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	1/28/2008 9:00	1	1/28/2008 9:01	1/28/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	2/4/2008 9:00	1	2/4/2008 9:01	2/4/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	2/8/2008 12:27	1	2/8/2008 12:27	2/8/2008 12:27
6911	MORGANVILLE NJ	L-Monitor Alarm	32 GENERATOR ALARM	2/8/2008 12:27	1	2/8/2008 12:27	2/8/2008 12:27
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	2/11/2008 9:00	1	2/11/2008 9:01	2/11/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	29 GENERATOR ATS	2/18/2008 8:40	1	2/18/2008 8:40	2/18/2008 8:40
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	2/18/2008 8:40	1	2/18/2008 8:41	2/18/2008 8:41
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	2/18/2008 9:00	1	2/18/2008 9:01	2/18/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	2/25/2008 9:01	1	2/25/2008 9:02	2/25/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	3/28/2008 16:25	1	3/28/2008 16:26	3/28/2008 16:26
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	3/31/2008 9:00	1	3/31/2008 9:01	3/31/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	4/7/2008 9:01	1	4/7/2008 9:02	4/7/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	4/14/2008 9:00	1	4/14/2008 9:02	4/14/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	4/21/2008 9:00	1	4/21/2008 9:02	4/21/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	32 GENERATOR ALARM	4/21/2008 9:01	2	4/21/2008 9:03	4/27/2008 22:33
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	5/8/2008 10:38	1	5/8/2008 10:40	5/8/2008 10:40
6911	MORGANVILLE NJ	L-Monitor Alarm	32 GENERATOR ALARM	5/8/2008 10:38	1	5/8/2008 10:40	5/8/2008 10:40
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	5/8/2008 10:39	1	5/8/2008 10:41	5/8/2008 10:41
6911	MORGANVILLE NJ	L-Monitor Alarm	32 GENERATOR ALARM	5/8/2008 10:40	1	5/8/2008 10:42	5/8/2008 10:42
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	5/9/2008 8:26	1	5/9/2008 8:28	5/9/2008 8:28
6911	MORGANVILLE NJ	L-Monitor Alarm	32 GENERATOR ALARM	5/9/2008 8:26	1	5/9/2008 8:28	5/9/2008 8:28
6911	MORGANVILLE NJ	L-Monitor Alarm	29 GENERATOR ATS	5/9/2008 8:30	1	5/9/2008 8:32	5/9/2008 8:32
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	5/9/2008 8:30	1	5/9/2008 8:32	5/9/2008 8:32
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	5/12/2008 9:00	1	5/12/2008 9:02	5/12/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	5/19/2008 9:01	1	5/19/2008 9:02	5/19/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	5/26/2008 9:00	1	5/26/2008 9:02	5/26/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	6/2/2008 9:00	1	6/2/2008 9:01	6/2/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	6/9/2008 9:00	1	6/9/2008 9:01	6/9/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	6/16/2008 9:01	1	6/16/2008 9:01	6/16/2008 9:01
6911	MORGANVILLE NJ	L-Monitor Alarm	31 GENERATOR RUN	6/23/2008 9:01	1	6/23/2008 9:02	6/23/2008 9:02
6911	MORGANVILLE NJ	L-Monitor Alarm	29 GENERATOR ATS	6/26/2008 11:34	1	6/26/2008 11:35	6/26/2008 11:35

All 72 Generators Ran On May 26, 2008

- ▣ Total Penalty liability for operating these generators = \$231,600.00

Case Study

Improper Recordkeeping

Example of a Compliant Record

EMERGENCY GENERATOR RECORDKEEPING

Air PI# abcdef

Permit # GEN070001

Generator Descrip: Kohler Power Systems 1200

ONCE PER MONTH, HOUR METER:

EVERY INSTANCE OF TESTING, MAINTENANCE, REPAIR OR BROWNOUT/VOLTAGE REDUCTION:

ENTER YEAR: <u>2009</u>	Record on the first day of each month	HOUR METER READING	INITIALS
Jan	1/1/2009	220	CV
Feb	2/1/2009	260	CV
March	3/1/2009	272	CV
April	4/1/2009	284	CV
May	5/1/2009	290	CV
June	6/1/2009	300	CV
July	7/1/2009	302	CV
Aug	8/1/2009	320	CV
Sept	9/1/2009	350	CV
Oct	10/1/2009	351	CV
Nov	11/1/2009	440	CV
Dec	12/1/2009	448	CV
Year End	12/31/2009	454	CV
* - Enter final hour reading as close to the end of the year as possible			

NOTE: keep records onsite for 5 years

NOTE: If used during a brownout/voltage reduction, also keep some record (preferably a notification from your power company) that documents the brownout event.

DATE	STARTUP TIME	STARTUP HR METER	SHUTDOWN TIME	SHUTDOWN HR METER	Event Operating Time	CUMULATIVE OPERATING TIME	INITIALS	REASON FOR OPERATION
1/3/2009	12:00	231.0	13:00	232.0	1.0	1.0	CV	Startup after Maintenance
1/8/2009	14:00	234.5	14:30	235.0	0.5	1.5	CV	Routine Exercising
1/15/2009	9:30	238.1	10:00	238.6	0.5	2.0	CV	Routine Exercising
1/23/2009	14:00	241.0	16:30	243.5	2.5	4.5	CV	Power Transfer Testing
1/30/2009	11:00	250.1	11:30	250.6	0.5	5.0	CV	Routine Exercising
2/20/2009	12:00	264.2	12:30	264.7	0.5	5.5	CV	Routine Exercising
3/10/2009	14:00	280.0	14:30	280.5	0.5	6.0	CV	Routine Exercising
4/7/2009	10:00	287.0	10:30	287.5	0.5	6.5	CV	Routine Exercising
5/8/2009	9:00	291.0	9:30	291.5	0.5	7.0	CV	Power Transfer Testing
6/4/2009	8:15	301.0	8:45	301.5	0.5	7.5	CV	Startup after Maintenance
7/8/2009	10:15	305.0	10:45	305.5	0.5	8.0	CV	Startup after Maintenance
8/16/2009	15:00	325.0	16:00	326.0	1.0	9.0	CV	Power Transfer Testing
9/4/2009	11:30	350.0	12:30	351.0	1.0	10.0	CV	Startup after Maintenance
10/2/2009	8:00	354.0	8:30	354.5	0.5	10.5	CV	Routine Exercising
11/10/2009	13:30	444.0	14:30	445.0	1.0	11.5	CV	Power Transfer Testing
12/12/2009	9:30	450.0	10:30	451.0	1.0	12.5	CV	Routine Exercising

An Example of a Non-Compliant Record

Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator of an emergency generator shall record in a logbook or computer data system, the following information for each emergency generator: (a) Total operating time from the emergency generator's hour meter, once per month; (b) If a voltage reduction is the reason for use of the emergency generator, a copy of the voltage reduction notification from PJM or other documentation of the voltage reduction, upon occurrence of event; and (c) If testing or maintenance is the reason for the operation of the emergency generator, the Permittee shall record the following upon occurrence of event: 1. The reason for its operation. 2. The date(s) of operation and the start-up and shutdown time; 3. The total operating time for testing or maintenance based on the emergency generator's hour meter; and 4. The name of the operator. 5. The monthly hours of operation during emergency periods shall be maintained.

SEP-10-2008 03:16PM FROM-

T-175 P.001/001 F-912

RECORD KEEPING FOR STATIONARY IC ENGINES (GENERATORS) 3rd Quarter, YEAR: 2008

Month	DATE OF OPERATION	PURPOSE OF OPERATION (A) Weekly Test (B) Maintenance (C) Emergency	HOUR METER READINGS				TOTAL HOURS OPERATED	COMMENTS (Service Completed) See examples below	PERSON COMPLETING LOG (Name, not title)
			STARTUP TIME	SHUTDOWN TIME	START METER READING	STOP METER READING			
JULY									
	7-31	A				9.09			[Redacted] APS
	MONTHLY TOTAL HRS								
AUGUST	8-12	A				9.15			[Redacted] APS
	8-18	A				9.19			[Redacted] APS
	8-25	A				9.21			[Redacted]
	8-29	A							
	8-30	A							
MONTHLY TOTAL HRS									
SEPTEMBER	9-1	A				9.24			[Redacted]
	9-8	A				9.29			[Redacted]
	QUARTERLY TOTAL HRS								

- (A) Performing Weekly Test
- (B) Maintenance Servicing and Manual Testing
- (C) Emergency Operation

Example Comments:
Weekly test Repair verification
Load test Flow test
Quarterly test Air district required
5 year test

Questions?

Contact Information

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