



Mr. Hamilton S. Oven  
Siting Coordination Office  
Department of Environmental Protection  
2600 Blair Stone Road, MS 48  
Twin Towers Building, Suite 649  
Tallahassee, FL 32399-2400

RECEIVED August 11 2006

AUG 14 2006

BUREAU OF AIR REGULATION

Re: Florida Power & Light Company  
Manatee Unit 3 Expansion Project  
Power Plant Site Certification No. PA 02-44  
Emergency Diesel Generators

Dear Mr. Oven:

Please accept this letter and the attachments as an update to the Florida Power & Light Company's (FPL) original Site Certification Application (SCA) for the Manatee Expansion Project in Manatee County, Florida. This information is being provided regarding the installation and operation of two emergency diesel generators and associated switchgear within the Certified area. Attachment 1 is a site plan showing the location of the emergency diesel generators.

The loss of the electrical grid in the Northeast during the summer of 2003 caused a significant blackout in several states. In addition, in the last two years, Florida has experienced an increase in the frequency and strength of hurricanes that make landfall, requiring many of our units to be shut down and be restarted once conditions are safe. During these types of events the plants could be without external power, limiting the safe shut down and start up of many of our units. The emergency diesel generators being installed at the Manatee site will allow the new Unit 3 to be safely shutdown and to remain in a mode ready for restart.

There is one existing emergency diesel generator at the Manatee Plant site that burns less than 14,000 gallons of fuel per year for maintenance and testing. The new generators combined will burn less than 13,000 gallons per year. Therefore, the generators fall under a categorical exemption per FDEP Rule 62-210.300(3), F.A.C., which exempts emergency units that collectively burn less than 32,000 gallons per year. (Attachment 2 contains the relevant excerpts of Rule 62-210.300(3), F.A.C.) The new emergency diesel generators to be installed were ordered by FPL in December 2004, and therefore will not be subject to the proposed NSPS III issued July 11, 2005. No air construction permit is required for these generators. They will be included in the Title V operating permit in the future, as a matter of course.

We are currently planning to startup the new diesel generators in early December and to connect them to the operating plant during a previously scheduled plant outage in mid-December. If you have any questions, or if you require additional information, please call me at 561-691-7065.

Sincerely,

Stacy Foster  
Sr. Environmental Specialist

cc: Mr. Al Linero, FDEP Bureau of Air Regulation

**CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that a copy of the foregoing has been furnished to the following:

By **U.S. Mail** to the following on this 11<sup>th</sup> day of August, 2006:

James V. Antista, Esq.  
Fish and Wildlife Conservation Commission  
620 South Meridian Street  
Tallahassee, FL 32399-1600

Sheauching Yu, Esq.  
Department of Transportation  
Haydon Burns Building  
605 Suwannee Street, MS 58  
Tallahassee, FL 32399-0450

Craig Varn, Esq.  
Department of Community Affairs  
2555 Shumard Oak Boulevard  
Tallahassee, FL 32399-2100

Mary Ann Helton, Esq.  
Florida Public Service Commission  
Gerald Gunter Building  
2450 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

Tedd N. Williams, Esq.  
County Attorney  
Manatee County  
Post Office Box 1000  
Bradenton, Florida 34206-1000

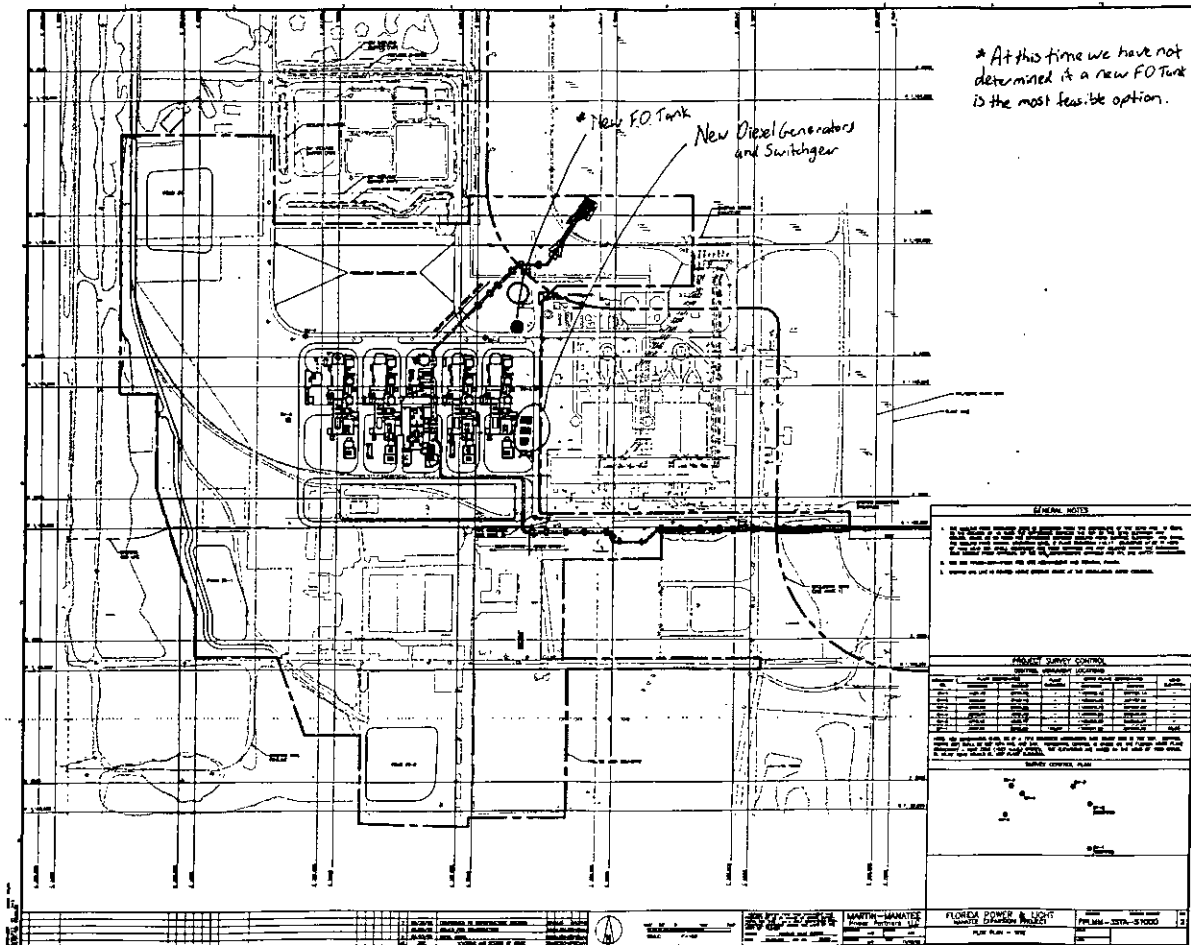
Scott A. Goorland, Esq.  
Sr. Assistant General Counsel  
Dept of Environmental Protection  
3900 Commonwealth Blvd., M.S. 35  
Tallahassee, FL 32399-3000

Hamilton S. Oven, Siting Coordinator  
Department of Environmental Protection  
2600 Blair Stone Road  
Tallahassee, FL 32399

Roger Tucker, Esquire  
Tampa Bay Regional Planning Council  
9455 Koger Blvd., Suite 219  
St. Petersburg, Fl. 33702-2491

Martha A. Moore, Esquire  
Southwest Florida Water Management District  
2379 Broad Street  
Brooksville, Fl. 34604-6899

ATTACHMENT 1.



## **ATTACHMENT 2**

Excerpts from FDEP Rule 62-210.300(3) Florida Administrative Code:

“(3) Exemptions. A facility, emissions unit or pollutant-emitting activity shall be exempt from the permitting requirements of this chapter, Chapter 62-212, F.A.C., and Chapter 62-4, F.A.C., if it satisfies the applicable criteria of Rule 62-210.300(3)(a) or (b) F.A.C., or if it has been exempted from permitting pursuant to Rule 62-4.040, F.A.C....Emissions units and pollutant-emitting activities exempt from permitting under this rule shall not be exempt from the permitting requirements of Chapter 62-213, F.A.C., if they are contained within a Title V source; however, such emissions units and activities shall be considered insignificant for Title V purposes provided they also meet the criteria of Rule 62-213.300(2)(a)1. or 62-213.430(6)(b), F.A.C. Any proposed new emissions unit or activity that would be exempt from permitting under this rule shall not be required to obtain an air construction permit pursuant to this chapter, Chapter 62-212, F.A.C., or Chapter 62-4, F.A.C., even if such unit or activity would be contained within a Title V source...

**(a) Categorical Exemptions.**

20. One or more emergency generators located within a single facility provided:

a. None of the emergency generators is subject to the Federal Acid Rain Program; and

b. Total fuel consumption by all such emergency generators within the facility is limited to 32,000 gallons per year of diesel fuel, 4,000 gallons per year of gasoline, 4.4 million standard cubic feet per year of natural gas or propane, or an equivalent prorated amount if multiple fuels are used.”

## Heron, Teresa

---

**From:** Stacy\_Foster@fpl.com  
**Sent:** Friday, September 29, 2006 11:27 AM  
**To:** Heron, Teresa  
**Cc:** Mary\_Archer@fpl.com  
**Subject:** Re: FW: Information for the Diesel Generators at Manatee

**Attachments:** Attachment 1.pdf; Attachment 2.pdf; Attachment 3.pdf



Attachment 1.pdf  
(370 KB)



Attachment 2.pdf  
(66 KB)



Attachment 3.pdf  
(159 KB)

Ms. Heron,

Below are the responses to your questions regarding the Emergency Diesel Generators at the FPL Manatee Plant.

1) Proof of order date:

a. Please see attachment 1, which is a scanned copy of the purchase order. I was told by the purchasing agent that all the generators were ordered in 2004.

2) Define type of engine:

a. Please see attachment 2, which is a scanned copy of the performance data.

3) Provide the rationale for non-applicability of NESHAP Subpart ZZZZ:

After review of the standard our analysis showed that our stationary RICE is subject to the initial notification requirements of 40 CFR 63.6645(d). The RICE however, is not subject to any other requirements of this subpart (40 CFR subpart ZZZZ) or the general provisions (40 CFR part 63, subpart A).

a. Please see attachment 3, which is the scanned Applicability Flowchart for NESHAP for Reciprocating Internal Combustion Engines (RICE) 40 CFR part 63, subpart ZZZZ. The flowchart states out stationary RICE must meet the initial notification requirements of 40 CFR 63.6645(d). The emergency RICE is not subject to any other requirements of this subpart or the General Provisions (40 CFR part 63, subpart A)

b. 63.6645(d) states if you are required to submit an Initial Notification but are otherwise not affected by the requirements of this subpart in accordance with 63.6590(b) your notification should include the following information in 63.9(b)(2)(i) through (v), and a statement that your stationary RICE has no additional requirements and explain the basis of the exclusion (for example that it operates exclusively as an emergency stationary RICE). 40 CFR 63.6675 defines Emergency Diesel Generator as applicable to subpart ZZZZ.

I will be forwarding a letter to the department with the initial notification as required by 63.9(b)(2)(i) through (v) Per 63.6645(c) which states, if you start up your new or restructure your stationary RICE on or after August 16, 2004 you must submit an initial notification not later than 120 days after you become subject to this subpart.

Could you please give me the address in which to send the initial notification letter. Also if there are additional people other than yourself that need to be notified could you please let me know who they are.

If you have any questions, or if you require additional information, please call me at 561-691-7065.

(See attached file: Attachment 1.pdf) (See attached file: Attachment 2.pdf) (See attached file: Attachment 3.pdf)

Thank You,

Stacy Foster  
FPL Environmental Services  
W 561-691-7065  
C 772-285-5653

"Heron, Teresa"  
<Teresa.Heron@dep.state.fl.us>

To: stacy\_foster@fpl.com  
cc:  
Subject: FW: Information for the Diesel

Generators at Manatee

09/13/2006 09:05 AM

From: Heron, Teresa  
Sent: Wednesday, September 13, 2006 9:04 AM  
To: 'stacey\_foster@fpl.com'  
Subject: Information for the Diesel Generators at Manatee

Stacey:

Re: Emergency Diesel Generators

It was nice talking to you this afternoon. As I explained to you, we need the following additional information:

Proof of order date  
Define type of engine  
Provide rationale for non-applicability of NESHAP Subpart ZZZZ

Thanks,  
Teresa Heron, Engineer  
Permitting South Section  
Bureau of Air Regulation  
Phone 850/921-9529  
teresa.heron@dep.state.fl.us



**FPL**

Page 1 of 5  
**Purchase Order**

|   |
|---|
| <b>Vendor Number:</b> 15250<br><b>Address</b><br><br><b>RING POWER CORP</b><br><b>RING LIFT POWER SYS SE CRANE CAT RE</b><br><b>8050 PHILLIPS HIGHWAY</b><br><b>JACKSONVILLE FL 32256</b> |
|---|

|                          |                 |
|--------------------------|-----------------|
| <b>Information</b>       |                 |
| <b>PO Number</b>         | 4500238508      |
| <b>Date</b>              | 12/02/2004      |
| <b>Attention</b>         | Scott B. Wilcox |
| <b>Phone</b>             | (407) 855-6195  |
| <b>Fax</b>               | 9042810831      |
| <b>Validity End Date</b> | 12/31/2007      |
| <b>Incoterms</b>         | Not Applicable  |

**Ship To:**

**FPL**  
**FLORIDA POWER & LIGHT CO.**  
 See Item Text For Delivery Instruct

**Tax Code:** 50 - Exempt per FI Statute 212.08  
**Payment Terms**

**Net 45 Days**

|  |   |  |  |
|--|---|--|--|
| <p><b>DESCRIPTION OF WORK</b><br/>         This Purchase Document is your authority to supply three (3) generators and paralleling switchgear at Florida Power &amp; Light Company's Ft Myers Plant, two (2) generator units at Martin Unit 8 Plant, two (2) generator units at Martin 3 and 4 Plant, and two (2) generator units at Manatee 3 Plant. Supplier shall furnish FOB destinations, and will support startup and commissioning of the diesel generator replacement systems. FPL will be using a separate General Contractor to support demolition and installation work for the new diesel generators.</p> <p><b>COMPANY REPRESENTATIVE</b><br/>         All work is subject to the approval and acceptance of our Mr. Ron Bartnick, (561) 691-7664 who is the FPL Company Representative. Supplier's representative for this Purchase Order is Mr. Scott B. Wilcox, (407) 855-6195.</p> <p><b>TERMS &amp; CONDITIONS</b><br/>         All work shall be performed in accordance with the attached Conformed Specifications for FPL Black Plant Diesel Generator Systems, Rev. 5, dated November 24, 2004 and FPLS Negotiated Terms and Conditions for Materials Between FPL and Ring Power dated 8/2/04.</p> |   |  |  |
| If further information is required call<br><b>Agent: TIM LINNAN</b><br><b>Phone: 561-691-2119</b>  | <b>AUTHORIZED SIGNATURE:</b> _____ <b>DATE:</b> _____ |  |  |
| This Purchase Order is subject to the attached, or previously provided, terms and conditions. Shipment of the goods or commencement of work by the supplier will constitute acceptance of all of these terms and conditions.   |   |  |  |



# Purchase Order

4500238508  
RING POWER CORP

| Item | Material Description  | Quantity | Unit | Price | Ext. Price |
|------|---|----------|------|-------|------------|
|      | <p>Following terms and conditions take precedence to attached FPL Services Negotiated Terms and Conditions for Materials Between FPL Services and Ring Power:</p> <p>Freight is FOB Destination.</p> <p>Payment Terms:</p> <p>Net 45</p> <p>1. Base scope with three (3) generators and paralleling switchgear at Ft Myers Plant, two (2) generator units at Martin Unit 8 Plant, two (2) generator units at Martin 3 and 4 Plant, and two (2) generators at Manatee 3 Plant.</p> <p>Invoice 60% of PO value on issuance of Purchase Order. 25% on delivery of undamaged equipment. Balance on Final Acceptance not to exceed 120 days from delivery.</p> <p>2. Additive Option No. 1: Furnish up to eight (8) additional generators for delivery during Calendar Year 2006 (or earlier) at a Florida Plant location to be determined. Scope includes generator units only and no paralleling switchgear. Generators shall be identical in size and configuration as unit furnished for Ft Myers Plant. FPL retains right to purchase Additive Option No. 1 at fixed price identified on Purchase Order at any time after initial Contract Award through December 31, 2006.</p> <p>Payments per attached FPL Services Negotiated Terms and Conditions for Materials Between FPL Services and Ring Power.</p> <p>3. Additive Option No. 2: Furnish up to two (2) additional generators for delivery during Calendar Year 2007 (or earlier) at Florida Plant locations to be determined. Scope includes generator units only and no paralleling switchgear. Generators shall be identical in size and configuration as unit furnished for Ft Myers Plant. FPL retains right to purchase Option No. 2 at fixed price identified on Purchase Order at any time after initial Contract Award through December 31, 2007.</p> <p>Payments per attached FPL Services Negotiated Terms and Conditions for Materials Between FPL Services and</p> |          |      |       |            |



**Purchase Order**4500238508  
RING POWER CORP

| Item | Description  | Quantity | Unit | Price | Amount |
|------|--|----------|------|-------|--------|
|      | <b>Ring Power.</b><br><br>4. FPL retains right to make this Contract and fixed price Additive Options "assignable" to an authorized agent of FPL, such as a Sub-Contractor. Sub-Contractor subject to Ring Power Credit approval, which will not be unreasonably withheld. Upon assignment of this Contract, Supplier shall re-negotiate a separate contract with FPL authorized agent with identical fixed price scope of supply and fixed price Additive Options as identified on FPL Purchase Order to Supplier.<br><br>This Purchase Document and its attachments constitute the entire agreement between the parties.<br><br><b>INSURANCE REQUIREMENTS (On-site work only)</b><br>It is understood and agreed that any owner provided insurance program does NOT cover Supplier. If specifically requested by FPL, Supplier must provide proof of insurance via an ACORD form or other certificate of insurance before commencement of on-site work.<br><br><b>AUTHORIZATION FOR WORK INSTRUCTIONS</b><br>This Purchase Document also serves as the Notice to Proceed and authorizes Supplier to commence work. Contact Mr. Ron Bartnick, (561) 691-7664 for exact start date and times.<br><br><b>SAFETY &amp; ENVIRONMENTAL REQUIREMENTS</b><br>The attached Safe and Secure Workplace for Suppliers (9/9/98) is hereby incorporated into this Purchase Document.<br><br><b>OUT-OF-SCOPE WORK INSTRUCTIONS</b><br>Changes in the scope of this Purchase Document will be performed only upon receipt of an authorized Purchase Document Change.<br><br><b>SALES TAX INSTRUCTIONS</b><br>The diesel generators qualify for a sales tax exemption under Section 212.08(5)©, Florida Statutes. In addition, all the materials utilized or installed with this equipment qualify for the exemption too. A copy of FPL's Direct Payment Authority Certificate (number TPP-0001) is attached. FPL's sales tax registration is 80-23-002234-84 (effective 7/1/02 through 6/30/07). |          |      |       |        |

**Purchase Order**4500238508  
RING POWER CORP

|   |  |  |  |
|---|--|--|--|
| <b>SCHEDULE OF COST</b><br><b>Base Bid</b><br><br>Fort Myers Plant (Three (3) - Caterpillar generator units and Russelectric switchgear) - \$2,150,750<br><br>Six (6) additional Caterpillar generator units as identified in Appendix F - \$2,227,500<br>Base bid includes 5 year preventative service and 5 years warrantee. Base bid only.<br><br><b>Bid Additive Option 1</b><br><br>Eight (8) additional Caterpillar generator units. Locations to be determined. Delivery of units within 25 weeks of Contract Change Order. - \$349,000 (Each unit)<br><br><b>BID ADDITIVE OPTION 1 IS NOT INCLUDED IN THIS PURCHASE ORDER.</b><br><br><b>Bid Additive Option 2</b><br><br>Two (2) additional Caterpillar generator units. Locations to be determined. Delivery of units within 25 weeks of Contract Change Order. - \$359,000 (Each unit)<br><br><b>BID ADDITIVE OPTION 2 IS NOT INCLUDED IN THIS PURCHASE ORDER.</b><br><br><b>5 Year Preventative Service &amp; Warranty for Russelectric Switchgear</b><br><br><b>5 Year preventative service and extended warranty for Ft. Myers Plant Russelectric Switchgear. - \$80,000</b><br><br><b>Ground test device</b><br><br><b>Four (4) Electrical type ground testing devices for Ft. Myers. \$113,000</b><br><br><b>Grand Total This PO \$4,571,250</b><br><br><b>Early Termination:</b> |  |  |  |
|---|--|--|--|

**Purchase Order**4500238508  
RING POWER CORP

| Item   | Description  | Quantity | Unit | Amount |
|--------|--|----------|------|--------|
| 0<br>1 | <p>Owner may terminate the 6 generator units identified in Appendix F prior to January 31, 2005. A early termination fee of \$75,000 will apply. No provision for early termination after January 31, 2005.</p> <p>Base Bid Delivery Dates:</p> <p>Ft. Myers Plant-June 15, 2005</p> <p>Six (6) additional Caterpillar generator units as identified in Appendix F -October 3, 2005</p> <p><b>INVOICE INSTRUCTIONS</b><br/>Mail invoice to:<br/>Florida Power &amp; Light Company<br/>9001 Ellis Road - DAC/ML3<br/>West Melbourne, FL 32904<br/>ATTN: Mr. Ed Lynch</p> <p>Altered invoices will not be processed.</p> <p>Attachment(s)<br/>Acknowledgment Copy</p> <p>Conformed Specifications for FPL Black Plant Diesel Generator Systems, Rev. 5, dated November 24, 2004<br/>FPLS Negotiated Terms and Conditions for Materials Between FPL and Ring Power dated 8/2/04<br/>Safe and Secure Workplace for Suppliers (9/9/98)<br/>FPL's Direct Payment Authority Certificate (number TPP-0001)</p> <p>cc: Ron Bartnick (DAC/JB)</p> <p>TL/amt 12/2/04</p> <p>FPL Black Plant Diesel Gen \$5.700,000<br/>Included in RFP for FPL Black Plant Dies</p> | 1        | LE   |        |

# Specifications for the MANATEE EMERGENCY DIESEL GENERATOR

## GEN SET PACKAGE PERFORMANCE DATA [516DE1P]

NOVEMBER 04, 2004

Performance Number: DM7047

Change Level:  ☒

|  |                                |                             |
|--|--------------------------------|-----------------------------|
| Sales Model: 3516BDI1A                                   | Combustion: DI                 | Aspr: 1A                    |
| Engine Power:<br>2250 W/F EKW 2310 W/O F EKW<br>3,210 HP | Speed: 1,800 RPM               | After Cooler: SCAC          |
| Manifold Type: DRY                                       | Governor Type: ADEM            | After Cooler Temp(F): 140   |
| Turbo Quantity: 4  | Engine App: GP                 | Turbo Arrangement: Parallel |
| Hertz: 60  | Engine Rating: PGS             | Strategy:                   |
| Rating Type: STANDBY                                     | Certification: N-C 1970 - 2100 |                             |

### General Performance Data

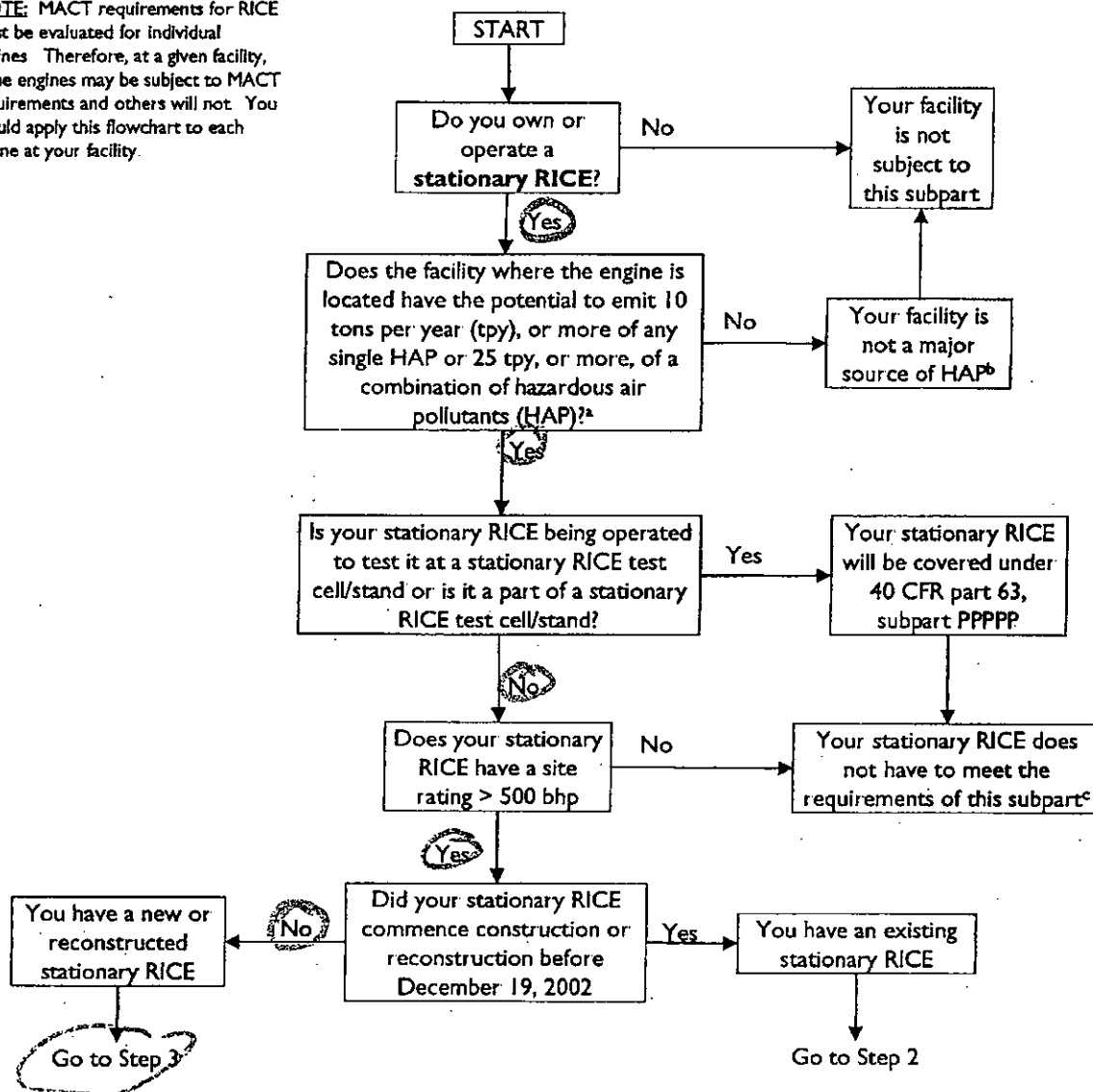
| GEN<br>W/F<br>EKW | PERCENT<br>LOAD | ENGINE<br>POWER<br>BHP | ENGINE<br>BMEP<br>PSI | FUEL<br>RATE<br>LB/BHP-<br>HR | FUEL<br>RATE<br>GPH | INTAKE<br>MFLD<br>TEMP<br>DEG F | INTAKE<br>MFLD P<br>IN-HG | INTAKE<br>AIR<br>FLOW<br>CFM | EXH<br>MFLD<br>TEMP<br>DEG F | EXH<br>STACK<br>TEMP<br>DEG F | EXH<br>GAS<br>FLOW<br>CFM |
|-------------------|-----------------|------------------------|-----------------------|-------------------------------|---------------------|---------------------------------|---------------------------|------------------------------|------------------------------|-------------------------------|---------------------------|
| 2,250.0           | 100             | 3,196.1                | 334                   | 0.341                         | 155.5               | 187.5                           | 88.5                      | 6,452.0                      | 1,269.3                      | 927.0                         | 17,381.9                  |
| 2,025.0           | 90              | 2,878.6                | 301                   | 0.334                         | 137.5               | 181.2                           | 81.0                      | 6,144.8                      | 1,173.4                      | 852.3                         | 15,626.8                  |
| 1,800.0           | 80              | 2,563.8                | 268                   | 0.332                         | 121.8               | 175.3                           | 72.9                      | 5,774.0                      | 1,101.4                      | 804.4                         | 14,125.9                  |
| 1,687.5           | 75              | 2,407.0                | 251                   | 0.333                         | 114.6               | 172.2                           | 68.8                      | 5,576.2                      | 1,073.8                      | 788.4                         | 13,451.4                  |
| 1,575.0           | 70              | 2,250.2                | 235                   | 0.336                         | 107.9               | 169.7                           | 64.7                      | 5,374.9                      | 1,051.3                      | 775.0                         | 12,833.4                  |
| 1,350.0           | 60              | 1,938.4                | 203                   | 0.342                         | 94.6                | 165.4                           | 56.4                      | 4,937.0                      | 1,009.2                      | 756.5                         | 11,597.3                  |
| 1,125.0           | 50              | 1,627.7                | 170                   | 0.348                         | 80.8                | 160.3                           | 45.8                      | 4,350.8                      | 968.0                        | 748.2                         | 10,184.8                  |
| 900.0             | 40              | 1,323.1                | 138                   | 0.355                         | 67.1                | 155.3                           | 35.4                      | 3,771.6                      | 927.5                        | 740.1                         | 8,719.2                   |
| 675.0             | 30              | 1,013.9                | 106                   | 0.366                         | 53.0                | 151.0                           | 25.1                      | 3,181.9                      | 863.4                        | 714.7                         | 7,165.4                   |
| 562.5             | 25              | 857.7                  | 90                    | 0.374                         | 45.8                | 149.0                           | 20.0                      | 2,881.7                      | 821.5                        | 693.9                         | 6,377.8                   |
| 450.0             | 20              | 700.4                  | 73                    | 0.386                         | 38.6                | 147.4                           | 15.0                      | 2,581.5                      | 772.9                        | 667.8                         | 5,586.8                   |
| 225.0             | 10              | 382.3                  | 40                    | 0.442                         | 24.2                | 145.6                           | 7.6                       | 2,041.2                      | 624.2                        | 561.9                         | 4,001.2                   |

### Heat Rejection Data

| GEN W/F<br>EKW | PERCENT<br>LOAD | REJ TO<br>JW<br>BTU/MN | REJ TO<br>ATMOS<br>BTU/MN | REJ TO<br>EXHAUST<br>BTU/MN | EXH<br>RCOV<br>TO 350F<br>BTU/MN | FROM<br>OIL CLR<br>BTU/MN | FROM<br>AFT CLR<br>BTU/MN | WORK<br>ENERGY<br>BTU/MN | LHV<br>ENERGY<br>BTU/MN | HHV<br>ENERGY<br>BTU/MN |
|----------------|-----------------|------------------------|---------------------------|-----------------------------|----------------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| 2,250.0        | 100             | 47,884                 | 9,497                     | 127,843                     | 70,576                           | 16,663                    | 34,065                    | 135,521                  | 333,144                 | 354,868                 |
| 2,025.0        | 90              | 43,904                 | 8,360                     | 110,612                     | 57,894                           | 14,729                    | 29,231                    | 122,100                  | 294,927                 | 314,149                 |
| 1,800.0        | 80              | 40,264                 | 7,621                     | 97,361                      | 48,851                           | 13,080                    | 24,795                    | 108,735                  | 261,772                 | 278,833                 |
| 1,687.5        | 75              | 38,558                 | 7,393                     | 91,731                      | 45,325                           | 12,284                    | 22,748                    | 102,081                  | 246,417                 | 262,511                 |
| 1,575.0        | 70              | 36,795                 | 7,222                     | 86,442                      | 42,311                           | 11,601                    | 20,644                    | 95,428                   | 231,460                 | 246,588                 |
| 1,350.0        | 60              | 33,383                 | 6,824                     | 76,035                      | 36,965                           | 10,123                    | 16,663                    | 82,177                   | 201,945                 | 215,139                 |
| 1,125.0        | 50              | 29,800                 | 6,483                     | 65,628                      | 31,847                           | 8,644                     | 12,796                    | 69,040                   | 172,429                 | 183,690                 |
| 900.0          | 40              | 26,103                 | 6,085                     | 55,391                      | 26,956                           | 7,222                     | 9,156                     | 56,131                   | 143,426                 | 152,809                 |
| 675.0          | 30              | 22,009                 | 5,687                     | 44,643                      | 21,155                           | 5,687                     | 5,801                     | 42,994                   | 113,740                 | 121,133                 |
| 562.5          | 25              | 19,791                 | 5,516                     | 39,070                      | 18,028                           | 4,891                     | 4,265                     | 36,397                   | 98,612                  | 105,039                 |
| 450.0          | 20              | 17,516                 | 5,289                     | 33,439                      | 14,843                           | 4,152                     | 2,843                     | 29,686                   | 83,314                  | 88,717                  |
| 225.0          | 10              | 12,511                 | 4,777                     | 21,440                      | 7,677                            | 2,616                     | 398                       | 16,208                   | 51,979                  | 55,334                  |

# **Applicability Flowchart for National Emission Standards for Hazardous Air Pollutants (NESHAP) for Reciprocating Internal Combustion Engines (RICE) 40 CFR part 63, subpart ZZZZ**

**NOTE:** MACT requirements for RICE must be evaluated for individual engines. Therefore, at a given facility, some engines may be subject to MACT requirements and others will not. You should apply this flowchart to each engine at your facility.



<sup>a</sup> Special non-aggregation provisions apply to oil and natural gas production and natural gas transmission and storage facilities – refer to the definitions for “Major source” and “potential to emit” in subpart ZZZZ.

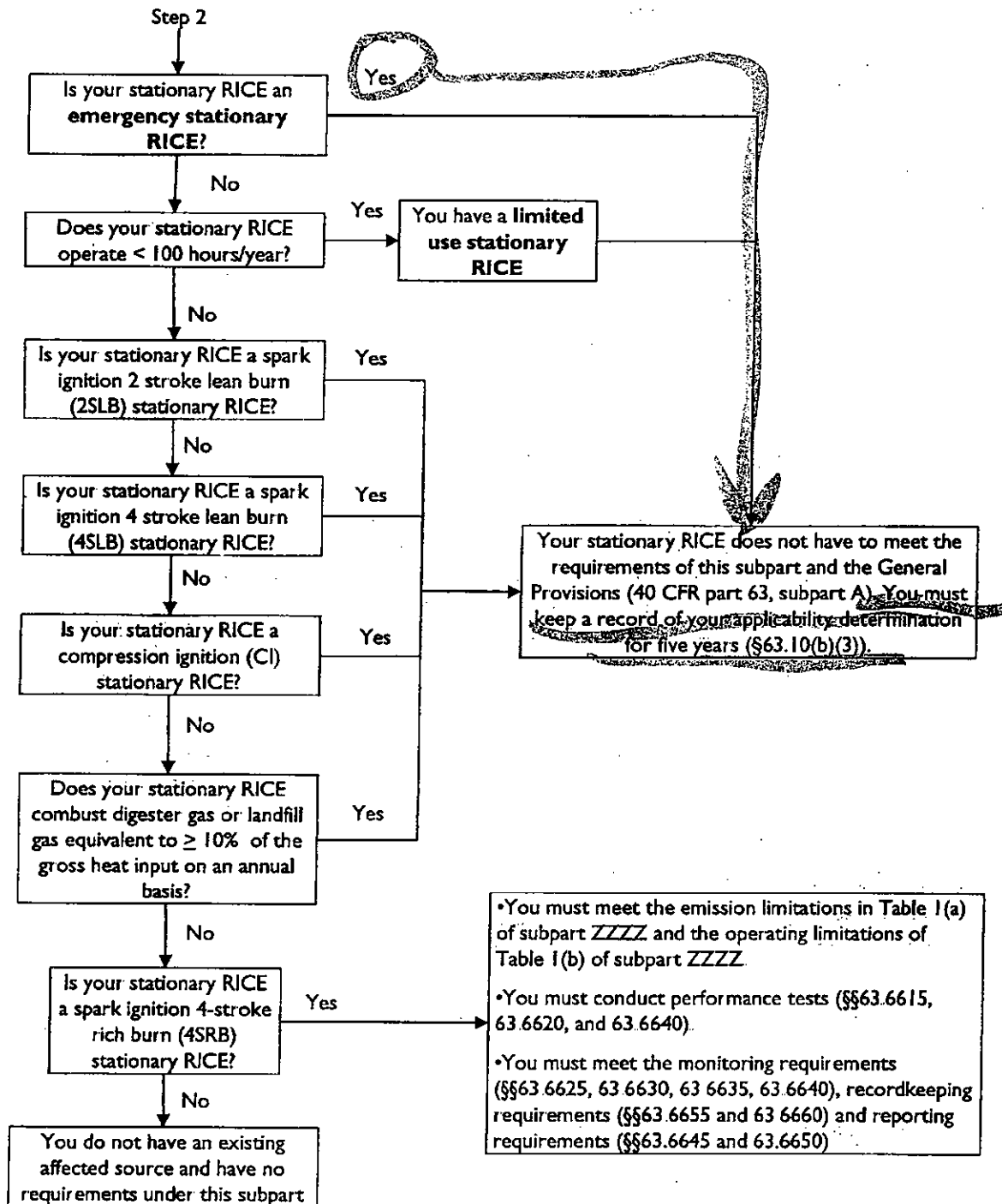
<sup>b</sup> If your area source increases emissions it may become a major source, and those facilities will become subject. EPA will conduct a future rulemaking for engines located at area sources— proposal expected 10/31/06 and promulgation expected 12/20/07.

<sup>c</sup> Engines less than or equal to 500 bhp and located at major-source facilities will be addressed by EPA in a future rulemaking – proposal expected 10/31/06 and promulgation expected 12/20/07.

July 31, 2004

## NESHAP for Existing Stationary RICE

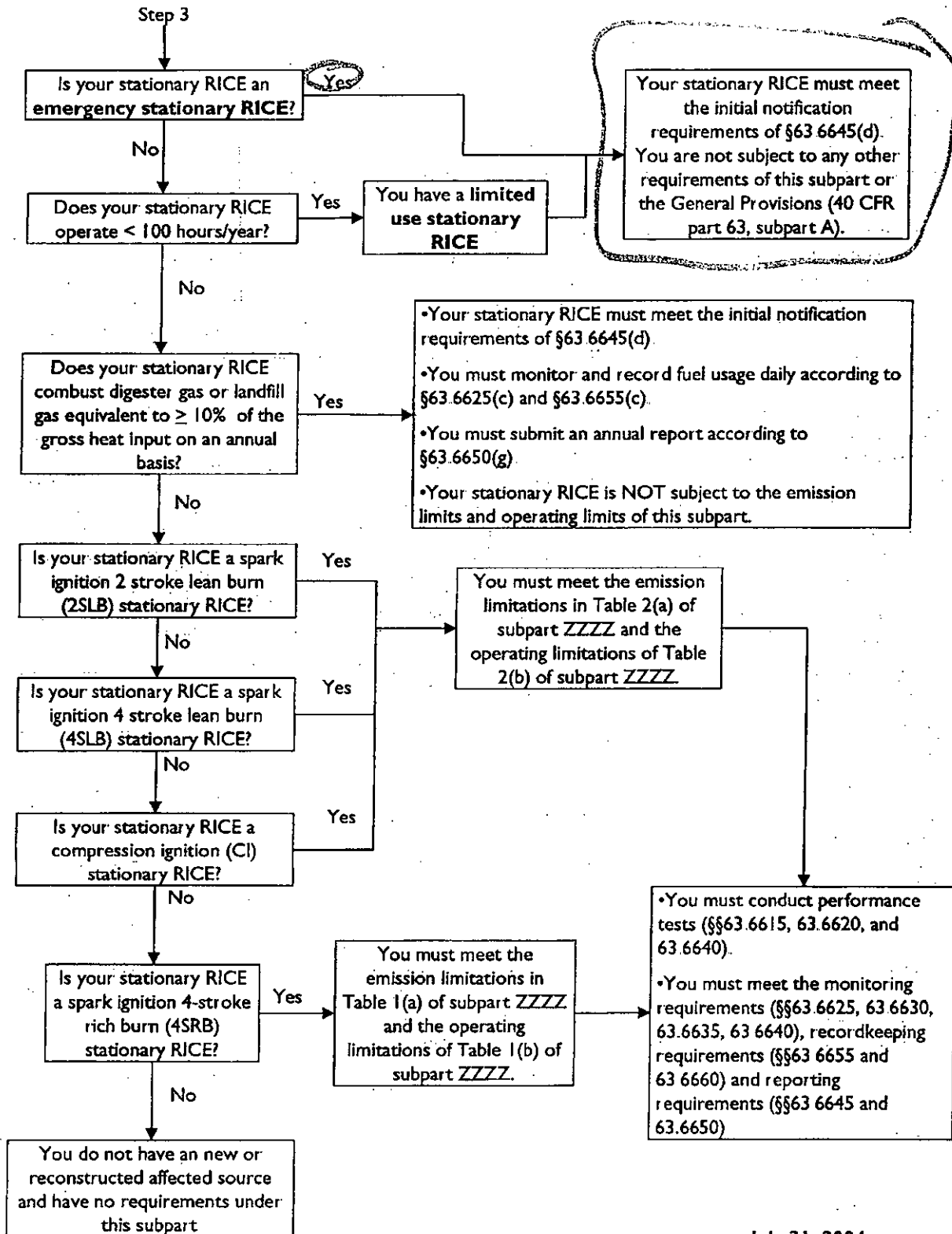
NOTE: This page only refers to requirements for existing stationary RICE. If your stationary RICE is new or reconstructed, refer to step 3 of this flowchart.



July 31, 2004

## NESHAP for New or Reconstructed Stationary RICE

NOTE: This page only refers to requirements for new or reconstructed stationary RICE. If your stationary RICE is existing, refer to step 2 of this flowchart.



July 31, 2004