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## Addendum 3

**Date:** June 13, 2018

**From:** Barbara Lance, Procurement Strategist

**To:** Interested Bidders

**Subject:** **Addendum #3: Solicitation # 18-7384 Generator NESHAP Compliance Improvements**

The following clarifications are issued as an addendum identifying the following clarification to the scope of work, changes, deletions, or additions to the original solicitation document for the referenced solicitation:

### **BIDSYNC QUESTIONS/ANSWERS 3 -9:**

#### **Question 3:**

**Question about the requirement to submit three testing companies to choose from. As I expressed, we have a reputable emissions testing company who we've worked successfully with on multiple other projects. Being forced to work with an unknown company is not something we are comfortable with. There were a number of suggestions for an acceptable change to the bid docs. I don't feel it will be effective if the County separates the testing, from the responsibilities of installation Contractor. May I suggest requiring the testing company demonstrate that they are certified as a Qualified Source Testing Individual? <http://sesnews.org/> is the national org that provides accreditation for Stack Testing companies.**

#### **Answer 3:**

*Contractors may select the emission testing company to conduct performance testing. The firm selected by Contractor must submit to Owner and EOR as applicable either documentation of Qualified Source Testing Individuals or documentation of Air Emission Test Body (AETB) accredited by the Stack Testing Accreditation Council (STAC). See specification modifications noted herein.*

#### **Question 4:**

**Please confirm the statement made during the pre-bid meeting that installing catalysts is only permitted up-stream (before) an existing silencer.**

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### **Answer 4:**

*Diesel Oxidation Catalyst must be installed upstream of existing engine silencers. Alternatively, Diesel Oxidation Catalyst / engine silencer combination units can be installed in place of existing engine silencers.*

*Specification changes are noted herein.*

### **Question 5:**

**Please confirm the statement that backup power will be provided by the County using existing, redundant generators.**

### **Answer 5:**

*Refer to Section 01 01 00 Paragraph 1.03-A & 1.03-B. The engines that require compliance improvements are part of the generator sets that provide emergency power for their respective facilities. The generator arrangement at each facility provides a level of redundancy or factor of safety; if a generator fails, a backup generator is available to provide emergency power. Since Collier County must be able to provide emergency power at all facilities at all times throughout the project, the Contractor shall conduct engine compliance improvements on engines one-at-a-time per location. Stand-by or backup generators shall remain in service and provide emergency power while improvements are installed on adjacent or complementary engines.*

### **Question 6:**

**Documentation supporting my comment that Performance Testing is to be done +-10% of facility/building load (vs. the specification requiring 90% of engine capacity) can be found on the EPA's**

**website at this link: [https://www.ecfr.gov/cgi-bin/text-idx?c=ecfr;rgn=div6;view=text;node=40%3A14.0.1.1.1.1;idno=40;sid=e94dcfde4a04b27290c445a56e635e58;cc=ecfr#se40.15.63\\_16620](https://www.ecfr.gov/cgi-bin/text-idx?c=ecfr;rgn=div6;view=text;node=40%3A14.0.1.1.1.1;idno=40;sid=e94dcfde4a04b27290c445a56e635e58;cc=ecfr#se40.15.63_16620)**

### **Answer 6:**

*Contractors are to reference 40 CFR 63 Subpart ZZZZ for performance testing requirements. The performance test must be conducted at any load condition within plus or minus 10 percent of the 100 percent load for the stationary RICE units per section 63.6620 of 40 CFR 63 Subpart ZZZZ. The actual load conditions for engines may vary considerable throughout the year. In many cases, the engine load may be 90% of rated load or engine capacity. Contractor should account for worst case conditions, and expect performance tests to be conducted at maximum engine loads, and ensure the load banks are capable of providing full load conditions. The actual load conditions used for performance testing will be determined using historical load data after the contract is awarded. Note: the Contractor is required to submit the proposed load conditions for performance testing to the regulatory agency (FDEP) when submitting notification of intent. Specification changes are noted herein.*

### **Question 7:**

**Please provide the manufacturer's engine data sheets for each engine type.**

### **Answer 7:**

*Manufacturer's engine data sheets will not be provided by Engineer. Contractors are responsible for obtaining manufacturer's engine data sheets.*

### **Question 8:**

**It's not uncommon to discover a cracked/broken exhaust pipe "flex" connection. Will these be replaced as a change order?**

**Answer 8:**

*Cracked or broken exhaust piping that occurred before construction will be considered pre-existing. In these cases, the General Allowance (Bid Item M) will be applicable. Allowance work shall be directed and approved by Owner. The Contractor must provide documentation to support that pre-existing damages were not caused by construction activity. When pre-existing damages to exhaust or other engine accessories are discovered they must be brought to the immediate attention of the Owner and EOR. Any documentation supporting preexisting damages must be consistent with the pre-construction video/audio documentation submitted to EOR prior to construction.*

**Question 9:**

**Please clarify the Contractor/Manufacturer's responsibilities under 1.5 MAINTENANCE**

**A. Supplier/manufacturer shall provide a free catalyst washing service for the duration of the catalyst lifetime. The catalyst life shall be defined as 4 years from the date of Substantial Completion for this Construction Project. . This typically amounts to 2 to 4 washes in the lifetime of the catalyst element. What is the specific trigger to require the wash? Who does the removal/replacement? Loaner catalyst? Note engine will be unusable without a catalyst installed.**

***Answer 9:** Diesel Oxidation Catalysts are to be washed any time the pressure drop across the catalyst exceeds more than 2 inches of water as measured during the initial performance test; except during periods of engine startup and when engine is operating at idle. Removal/ replacement of catalyst will be executed by a qualified manufacturer representative. If unclean catalysts are to be cleaned or restored remotely, the manufacturer must provide and install a spare or loaner catalyst. The manufacturer is responsible for all shipping costs associated with this maintenance requirement including but not limited to loaner catalysts, spare parts, accessories, cleaning materials, and chemicals required. Specification changes are noted herein.*

**SPECIFICATIONS**

**1. Modifications to Specification Section 90 00 00 RICE NESHAP Compliance Equipment**

**a. Replace Section 1.1-A(3) with the following:**

*1.1-A(3): Operation Limitation per Table 2(b) to Subpart ZZZZ of Part 63: At all times except during periods of startup, the catalyst must be maintained so that the pressure drop across the catalyst does not change by more than 2 inches of water from the pressure drop across the catalyst that was measured during the initial performance test.*

**b. Replace Section 1.1-A(4) with the following:**

*1.1-A(4): Operation Limitation per Table 2(b) to Subpart ZZZZ of Part 63: At all times except during period of startup, the temperature of the exhaust must be maintained so that the catalyst inlet temperature is greater than or equal to 450°F and less than or equal to 1350°F. A different temperature range is acceptable if approved by EPA. Footnote 1 in Table 2(b) to Subpart ZZZZ of Part 63 provides direction for petitioning Administrator (EPA).*

**c. Insert paragraph 1.1-A-(5) as follows:**

*1.1-A(5): Diesel Oxidation Catalysts must be installed upstream of engine silencers.*

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**d. Replace Section 1.2-B with the following:**

1.2-B. Contractors must select an emission testing company at their discretion. However, the firm selected to conduct emission performance testing will be responsible for preparing the required EPA emission testing protocols in advance of submittal to Owner. The firm selected must submit to Owner and EOR as applicable either documentation of Qualified Source Testing Individuals or documentation of Air Emission Test Body (AETB) accredited by the Stack Testing Accreditation Council (STAC). Owner and Engineer will review credentials of testing company to ensure they are not expired.

**e. Replace Section 1.5-A with the following:**

1.5-A. Supplier/manufacture shall provide a free catalyst washing service for the duration of the catalyst lifetime. The catalyst life shall be defined as 4 years from the date of Substantial Completion for this Construction Project. This typically amounts to 2 to 4 washes in the lifetime of the catalyst element. The diesel oxidation catalysts are to be washed any time the pressure drop across the catalyst exceeds more than 2 inch of water as measured during the initial performance test; except during periods of engine startup.

**f. Replace Section 3.2-A. with the following:**

3.2-A. The Contractor shall complete performance testing on each engine at Contractor's costs. Performance testing shall be conducted by a third party. Refer to Section 1.2B. Contractor shall coordinate the performance testing with Owner and other Owner designated representatives.

**g. Replace Section 3.2-E. with the following:**

Conduct three (1) hour test runs per engine at plus or minus 10% of the 100% load for the stationary RICE. The load condition used for performance testing will be coordinated with EOR, Owner, and Manufacturer. Performance tests at 90% of the rated engine load are anticipated. The actual load conditions used for performance testing will be decided by the Owner prior to performance testing using historical engine data. The normal load conditions must be determined following EPA guidelines and approved by FDEP.

C: Oscar Martinez, Project Manager

**Please sign below and return a copy of this Addendum with your submittal for the above referenced solicitation.**

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Name of Firm)

