

**TO:** All Bidders  
Refurbish Boiler Cleaver Brooks #2 at the Newark Campus  
Power Plant (Proposal # P05-057)

**SUBJECT:** Addendum # 7, Bid Clarification, Questions & Answers from bidders, and  
Due Date Extension.

**DATE:** May 19, 2005

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1. Section 1.1.2 Intent is changed to read as follows: The intent of this RFP is select a Contractor to completely retube boiler Cleaver Brooks #2 at the Newark Power Plant. Existing system is a Cleaver Brooks packaged water tube boiler Model CA-28, rated capacity 96,400 lb/hr, 250 psi design, 225 psi operating pressure.
2. The following items in Section 3.0 of The Scope of Work are changed as follows:
  - 3.01.4 National Fire Protection Association (NFPA), 85 Prevention of Furnace.
  - 3.11.1 The Contractor shall ensure that the existing burner assembly, including wind box, front plate, register, ignitor and throat configuration shall be reused. A larger draft fan will not be required.
  - 3.2.1 The Contractor shall furnish all labor, material, equipment, tools, supervision, engineering, hoisting, and all other items needed to complete all boiler system refurbishment work. The Contractor shall furnish and install the following: a set of boiler tubes, all boiler refractory including front and rear wall, boiler inner and outer casing, insulation between the casings, install warm-up coils in both bottom drums with control system, replace all valves, the steam drum replacement of all blow down valves, install new steam drum internals, replace main steam non-return valve and main steam stop valve, replace three (3) safety valves, replace water column/gauge glass assembly/low water cutoff, install release eye high level indicator, replace all man hole covers with gaskets and provide two (2) spares of each. Rebuilt valves may be acceptable with written approval from the Physical Plant Project Manager.
  - 3.2.2 The Contractor shall have been in the boiler business for seven (7) years or more. The Contractor must have completed three (3) or more complete boiler retubing projects of approximately 100 million BTU's per hour output capacity and operating pressures of approximately 200 psig.

3. The following items are deleted from Section 3.0 of the Scope of Work:

Section: 3.1.2, 3.1.3, 3.1.4, 3.1.5, 3.1.6, 3.1.7, 3.1.8, 3.1.9, 3.1.12, 3.1.13, 3.1.14, 3.1.15, 3.1.16, 3.1.17, 3.1.18, 3.1.19, 3.1.20, 3.1.21, (both) 3.3.3, 3.4.12, 3.4.13, 3.4.13.1, 3.6.1, 3.6.2, 3.7, 3.8, 3.8.1, 3.8.2, 3.8.3, 3.10, 3.10.1, 3.10.2, 3.10.3, 3.10.4, 3.10.5, 3.10.6, 3.11.2, 3.11.3, 3.11.4, 3.11.6, 3.11.7, 3.12, 3.13, 3.13.1, 3.13.2, 3.13.3, 3.13.4, 3.13.5, 3.13.6, 3.14, 3.14.1, 3.14.2, 3.14.3, 3.14.7, 3.15, 3.16, 3.16.1, 3.16.2, 3.16.3, 3.17, 3.17.1, 3.18, 3.18.1, 3.18.1.1, 3.18.1.2, 3.18.2, 3.21.

Following are answers to questions from Power House Equipment:

1. Question: 3.01.02 ABMA Industry Standards-  
The AMBA standards for surface temperature conflict with paragraph 3.4.8 – Insulation. This section calls for an 80 degree casing surface temperature, while the ABMA calls for 140 degree. If this boiler is to be rebuilt according to the manufacturer’s recommendations, the 140 degree would apply. To get to 80 degree casing temperature, the entire boiler would have to have 3-4’ on insulation added to the exterior of the casing. Which standard are we to use? ABMA or UMDNJ?  
  
**Answer:** The ABMA standard of 140 degrees shall supersede Section 3.4.8 – Insulation.
2. Question: Who is the current Physical Plant Manager?  
  
**Answer:** The Physical Plant Manager will be designated when the Bid is awarded.
3. Question: Will you supply the list of bidders that attended the mandatory jobsite visit on March 29, 2005?  
  
**Answer:** A list of attendees is being sent with this addendum.
4. Question: 3.1.8 – Does the contractor have to submit “as built” drawings for the rebuilding of the boiler, including tube arrangement drawings, refractory drawings, tube bending drawings, and casting drawings?  
  
**Answer:** The Contractor does not have to submit “As Built” drawings for the above in Section 3.1.8.
5. Question: 3.1.13 – This paragraph refers to changing #1 to #2 oil. Has the burner on boiler #1 been set up #2 oil firing?  
  
**Answer:** This item deleted due to change in the scope of work.

6. Question: #3.1.13 -Has boiler #1 been tested on #2 oil firing?

**Answer:** This item deleted due to change in the scope of work.

7. Question: Do we include costs to convert boiler #1 to #2 oil firing, or just run the new oil piping from the new oil pump set to the burner?

**Answer:** Include but price separately on price sheet Section 8.0

8. Question: 3.1.19 – Does the #6 oil piping include any asbestos?

**Answer:** This item deleted due to change in the scope of work.

9. Question: If it does, will UMDNJ remove it?

**Answer:** This item deleted due to change in the scope of work.

10. Question: 3.2.4 – Does UMDNJ currently have a complete set of boiler assembly drawings?

**Answer:** UMDNJ does not have a complete set of boiler assembly drawings.

11. Question: Will they be made available to the successful Contractor?

**Answer:** No drawings are available for the Contractor.

12. Question: 3.3.1 – Has UMDNJ approved an alternate to the boiler manufacturer for the supply of tubes, casing, internals, etc?

**Answer:** UMDNJ reserves the right to approve alternates.

13. Question: If no alternate is approved before the bid due date, will any alternates be considered for approval after the bids are submitted?

**Answer:** UMDNJ reserves the right to approve alternates.

14. Question: 3.4.13.1 – Will the low emissions and capacity achieved on the rebuilding of #1 boiler be satisfactory for #2 boiler?

**Answer:** This item deleted due to change in the scope of work.

15. Question: Flue gas recirculation along with a new burner insert were applied to #1 boiler. Does UMDNJ require this for #2 boiler?

**Answer:** The above specifications do not apply to #2 boiler.

16. Question: 3.17 – Does UMDNJ allow the contractor to use the electrical power from the #6 oil pump set for the new oil pump set?  
If not, where do we pick up the power?

**Answer:** This item deleted due to change in the scope of work.

17. Question: 3.9 – Design Conditions  
Will UMDNJ give the contractor a fuel oil analysis of the #2 oil that they will be using?

**Answer:** This item deleted due to change in the scope of work.

18. Question: What is the minimum gas pressure at the burners?

**Answer:** This item deleted due to change in the scope of work.

19. Question: 3.11.1 – Does UMDNJ just want the contractor to convert the existing burner to #2 oil and natural gas without improving emissions, except those that come with firing a better grade of oil?

**Answer:** This item deleted due to change in the scope of work.

20. Question: Are the existing emissions using natural gas firing satisfactory?

**Answer:** This item deleted due to change in the scope of work.

21. Question: 3.12 – Where does the remote level indication for the D/A and cascade heaters need to be installed?

**Answer:** This item deleted due to change in the scope of work.

22. Question: 4.11 – License and Permits  
The contractor cannot obtain any permit for air emissions because this is a Title Five (5) permit, covering your entire power plant. Will UMDNJ exclude this from the requirements under this paragraph?

**Answer:** The Contractor shall not be responsible for any permits for air emissions.

23. Question: Does rebuilding include new system drum purifier cartons as well as internals?

**Answer:** Yes, rebuilding shall include new system drum purifier cartons as well as internals.

24. Question: On the price sheet, Item 4 says “Clean out #6 Oil tanks.” and specification paragraph 3.7 says UMDNJ will clean oil tanks. Which is correct?

**Answer:** This item deleted due to change in the scope of work.

Following are answers to questions from C. Dougherty & Co., Inc.:

1. Question: section 3.19- National Board and A.S.M.E. Stamps there is an another “A” Stamp for boiler assembly , shall contractor submit proof of that or bid?

**Answer:** Bidder shall submit proof for “A” stamp for boiler assembly with bid.

Following are answers to questions from DJ’s Mechanical:

1. Question: Specification Item 3.01.3, page 10 – This item refers to “Underwriters laboratories (UL) UL 795 Commercial-Industrial Gas-Fired Heating equipment”.

UL 795 is not applicable for watertube boilers of the rating at the subject facility.

UL 795 applies to “factory-built gas appliances having inputs of more than 400,000 Btu per hour,...steam per hour or more.

Please delete this item in its entirety.

**Answer:** Equipment should be furnished in accordance with applicable UL Specifications.

2. Question: Specification Item 3.01.3, page 10- This item refers to “National Fire Protection Association (NFPA), 8501 Prevention of Furnace Explosions in Fuel Oil and Natural Gas-Fired Single Burner Boiler Furnaces”.

NFPA 8501 is obsolete and has been replaced with NFPA 85 entitled “Boiler And Combustion Systems Hazards Code”.

Please delete all reference to NFPA 8501 and replace it with NFPA 85.

**Answer:** Vendor should comply with applicable NFPA code.

3. Question: Specification Item 3.1.1, first sentence on page 10 – This item refers to “..re-tube Cleaver Brooks Boiler #2”.

Please confirm that boiler #2 is only to be re-tubed.

**Answer:** Boiler#2 is the only boiler to be re-tubed.

4. Question: Please confirm that the steam drum and the water drum on boiler #2 are in good condition and are to be reused.

**Answer:** UMD assumes that they are but cannot confirm for sure.

5. Question: Please confirm that the boiler front plate and the boiler rear plate on boiler #2 are in good condition and are to be reused.

**Answer:** Cannot Confirm.

6. Question: Please confirm that the boiler floor plate on boiler #2 is in good condition and is to be reused.

**Answer:** Cannot Confirm.

7. Question: Please confirm that boiler support structures on boiler #2 are in good condition and are to be reused.

**Answer:** Cannot Confirm.

8. Question: Specifications Item 3.1.1, second sentence on page 10 – This item refers to “ Tubing must meet tubing design standards for original Cleaver Brook boilers”.

This is insufficient information for a bidder to properly estimate the cost of the replacement tubes for boiler #2.

Please provide the bidders with the “tubing design standards” for the replacement tubes for boiler #2.

**Answer:** Bidders are to provide.

9. Question: Specifications item 3.1.2, second sentence on page 10 – This item refers to “ The Contractor shall install a dual fuel system for burners for the natural gas and #2 fuel oil per specification outline”.

Please clarify what is meant by “specification outline”.

**Answer:** This item deleted due to change in the scope of work.

10. Question: Specifications Item 3.1.3, third sentence on page 10 – This item refers to “The door must meet Cleaver Brooks redesign manufacturing engineering

standards for the Cleaver Brooks boiler”.

This is insufficient information for a bidder to properly estimate the cost of the modifications to the boiler rear tubes that would be necessitated by the addition of a new rear access door.

Please provide the bidders with the “Cleaver Brooks redesign manufacturing engineering standards” including the complete specifications, details, drawings, bill of materials, and other pertinent information regarding all of the necessary modifications to the boiler rear wall, the boiler rear plate, and the boiler rear tubes that would be necessitated by the addition of a new rear access door.

**Answer:** This item deleted due to change in the scope of work.

11. Question: Specifications Item 3.1.4, on page 10 – This item refers to “furnish and install a dual fuel oil transfer pumping station and filter unit similar to the unit used for the Co-Generation units”.

This is insufficient information for a bidder to properly estimate the cost of a new dual fuel oil transfer pumping station and filter unit.

Please provide the bidders with complete specifications, details, drawings, bill of materials, and other pertinent information regarding a new dual fuel oil transfer pumping station and filter unit.

**Answer:** This item deleted due to change in the scope of work.

12. Question: Specifications Item 3.1.5, on page 10 – This item refers to “..have an independent company validate burner performance..”.

Please provide the bidders with a copy of the burner testing protocol that is to be used to validate the burner performance.

**Answer:** The protocol to be developed by the independent validator with UMD approval.

13. Question: Specifications Item 3.1.6, on page 10 – This item refers to “..furnish and install all required supply pipe to connect all the boilers to new pumping station located in basement of the Norfolk Power Plant”.

This is insufficient information for a bidder to properly estimate the cost of new supply piping from the new pumping station located in the basement to the boilers.

Please provide the bidders with complete specifications, details, drawings, bill of

materials, and other pertinent information regarding new supply piping from the new pumping station located in the basement to the boilers.

**Answer:** This item deleted due to change in the scope of work.

14. Question: Specification Item 3.1.11, on page 11 – refers to “..furnish and install valve tags, pipe and equipment labeling as required by the Physical Plant Project Manager”.

Please provide the bidders with complete specifications, details, drawings, bill of materials, and other pertinent information regarding valve tags and labeling.

**Answer:** This item deleted due to change in the scope of work.

15. Question: Specifications Item 3.1.15, on page 11 – This item refers to “..clean, flush and test the fuel system pipe, valves, fittings and equipment to be approved by the Physical Plant Manager”.

Please provide the bidders with a copy of the cleaning and testing protocol that is acceptable to the Physical Plant Manager.

**Answer:** This item deleted due to change in the scope of work.

16. Question: Specifications Item 3.1.21-C on page 12 – “One (1) Peco Inlet Strainer for the Booster Pumps”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor’s ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete all reference to “Peco”.

**Answer:** This item deleted due to change in the scope of work.

17. Question: Specifications Item 3.1.21-D, on page 12 – This item refers to “Two (2) Suction Strainers (Kraisal)”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor’s ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete all reference to “Kraisal”.

**Answer:** This item deleted due to change in the scope of work.

18. Question: In addition, will UMDNJ accept one (1) duplex suction strainer?

**Answer:** This item deleted due to change in the scope of work.

19. Question: Specifications Item 3.1.21-E, on page 12 – This item refers to “Two (2) Discharge Strainers (Kraisal)”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor’s ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restriction.

In order to avoid any issues after the bid date, please delete all reference to “Kraisal”.

**Answer:** This item deleted due to change in the scope of work.

20. Question: In addition, will UMDNJ accept one (1) duplex discharge strainer?

**Answer:** This item deleted due to change in the scope of work.

21. Question: Specifications Item 3.1.21-H, on page 12 – This item refers to “One (1) Veeder Root Fuel Master”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor’s ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restriction.

In order to avoid any issues after the bid date, please delete all reference to

“Veeder Root”.

**Answer:** This item deleted due to change in the scope of work.

22. Question: In addition, please provide the bidders with complete specifications, details, drawings, and bill of materials for the fuel master.

**Answer:** This item deleted due to change in the scope of work.

23. Question: Specification Item 3.1.21-I, on page 12 – This item refers to “One (1) Veeder Root Sight Glass for Microsoft Windows”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor’s ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to and specified item that is proprietary, exclusionary, or restriction.

In order to avoid any issues after the bid date, please delete all reference to “Veeder Root”.

**Answer:** This item deleted due to change in the scope of work.

24. Question: In addition, please provide the bidders with complete specifications, details, drawings, and bill of materials for the sight glass for Microsoft Windows.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

25. Question: Specifications Item 3.2.1, second sentence on page 12 – This item refers to “..install warm-up coils in both bottom drums with control system, replace all valves, the steam drum replacement of all blowdown valves, install new steam drum internals, replace main steam non-return valve and main steam stop valve, replace three (3) safety valves, replace water column/gauge glass assembly/low water cutoff, install release eye high level indicator,..”.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

26. Question: Please provide the bidders with complete specifications, details, drawings, and bill of materials for the replacement valves.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

27. Question: Please provide the bidders with complete specifications, details, drawings, and bill of materials for the replacement blowdown valves.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

28. Question: Please provide the bidders with complete specifications, details, drawings, and bill of materials for the new steam drum internals.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

29. Question: Please provide the bidders with complete specifications, details, drawings, and bill of materials for the replacement main steam non-return valve.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

30. Question: Please provide the bidders with complete specifications, details, drawings, and bill of materials for the replacement main steam stop valve.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

31. Question: Please provide the bidders with complete specifications, details, drawings, and bill of materials for the replacement safety valves.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

32. Question: Please provide the bidders with complete specifications, details, drawings, and bill of materials for the replacement water column/gauge glass

assembly/low water cutoff.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

33. Question: Please provide the bidders with complete specifications, details, drawings, and bill of materials for the replacement release eye high level indicator.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

34. Question: Specifications Item 3.1.22, on page 12- This item refers to “..permitting of Cleaver Brooks Boiler #2 and Cleaver Brooks Boiler #3; UMDNJ holds the licensing permit and will be responsible for title the boilers under UMDNJ permits”.

Please confirm that this project does not include any work for Boiler #3.

**Answer:** This project does not include any work for boiler#3.

35. Question: Please provide the bidders with a copy of the licensing permit.

**Answer:** A copy of the licensing permit will be made available to the successful bidder.

36. Question: Specifications Item 3.2.2, first sentence on page 13 – This item refers to “..the original equipment manufacturer’s design”.

We do hereby take exception to this item.

This sentence is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete all reference to “the original manufacturer’s design”.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

37. Question: Specifications Item 3.2.2, second sentence on page 13 – This item

refers to “..upgrades to the original manufacturer’s design shall be incorporated at this time”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete all reference to “original manufacturer’s design”.

**Answer :** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

38. Question: Specifications Item 3.2.4 on page 13 – This item refers to “..a complete set of UMDNJ approved boiler assembly drawings..”.

Please provide the bidders with a complete set of boiler assembly drawings showing all of the specified boiler work.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

39. Question: Specifications Item 3.3.1, on page 13 – This item refers to “..the boiler tubes, refractory, casing, insulation, safety valves shall be purchased from the boiler manufacturer or an approved alternate”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete this item in its entirety.

**Answer:** Alternates are allowed, but must be approved as equal.

40. Question: Specifications Item 3.3.3, on page 13 – This item refers to “..installation of the burner modification shall be under the direction, of the

manufacturer of the equipment”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete this item in its entirety.

**Answer:** This item deleted due to change in the scope of work.

41. Question: In addition, please confirm that new burners are acceptable to UMDNJ.

**Answer:** This item deleted due to change in the scope of work.

42. Question: Specifications Item 3.3.3, (second listing), first sentence on page 3. – This item refers to “The Contractor’s insurance company shall approve the assembly of the boiler and related pressure work”.

We do hereby take exception to this item.

There is no reason for the Contractor’s insurance company to be involved in this project.

Any applicable repairs made to the existing boilers should be inspected by the repair firm’s authorized inspector. The repair firm’s authorized inspector must be certified and by the National Board of Boiler and Pressure Vessel Inspectors (NBBPVI) and must have a valid National Board commission for the inspection and testing of boilers.

The repairs to the existing boilers should be inspected by the repair firm’s authorized inspector and the Owner and/or the Owner’s Representative.

Please delete this item in its entirety.

**Answer:** The repairs to the existing boilers should be inspected by the repair firm’s authorized inspector and the owner and/or the owner’s representative.

43. Question: Specifications Item 3.3.3, (second listing), second sentence on page 3. This item refers to “Approval must be obtained prior to proceeding with work”.

We do hereby take exception to this item.

There is no reason for the contractor's insurance company to be involved in this project.

Any applicable repairs made to the existing boilers should be inspected by the repair firm's authorized inspector. The repair firm's authorized inspector must be certified and by the National Board of Boiler and Pressure Vessel Inspectors (NBBPVI) and must have a valid National Board commission for the inspection and testing of boilers.

The repairs to the existing boilers should be inspected and approved by the repair firm's authorized inspector and the Owner and/or the Owner's Representative.

Please delete this item in its entirety.

**Answer:** The repairs to the existing boilers should be inspected by the repair firm's authorized inspector and the owner and/or the owner's representative.

44. Question: Specifications Item 3.4.1, first sentence on page 13 – This item refers to “..all boiler and furnace tubes shall be as approved by the Contractor's Insurance Representative”.

We do hereby take exception to this item.

There is no reason for the Contractor's Insurance Representative to be involved in this project.

Please delete all reference to the Contractor's Insurance Representative in this sentence.

**Answer:** Boiler tubes to be approved by the Physical Plant Project Manager.

45. Question: Specifications Item 3.4.1, second sentence on page 13 – This item refers to “Re-tubing must meet present Cleaver Brooks tube engineering standards for Cleaver Brooks boilers and must be compatible with UMDNJ boilers”.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete this item in its entirety.

Please provide the bidders with the boiler tube wall thickness for all of the boiler tubes including the convection zone tubes, the furnace wall tubes, the outer wall tubes, the rear wall tubes, etc.

Please provide the bidders with the boiler tube templates for boiler #2.

**Answer:** Re-tubing Must meet Cleaver Brooks standards. Bidder to obtain tube information.

46. Question: Specifications Item 3.4.2, first sentence, on page 14 – This item refers to “.. the boiler shall be enclosed with Cleaver Brooks double panel casing with that portion of the casing exposed to the products of combustion completely seal welded to form and air gas tight enclosure”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete all reference to Cleaver Brooks.

Please provide the bidders with complete specifications, details, drawings, and bill of materials for the boiler double wall casing.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

47. Question: Specifications Item 3.4.2, fourth sentence, on page 14 – This paragraph refers to “The inner casing shall be air tested, inspected and approved by The Contractor’s project manager and Contractors insurance representative”.

We do hereby take exception to this item.

There is no reason for the air testing of the inner casing to be inspected by the Contractor’s insurance representative.

The air testing of the inner casing should be inspected by the Owner and/or the Owner's Representative.

Please delete this item in its entirety.

Please provide the bidders with a detailed boiler casing air test procedure.

**Answer:** Contractor to propose procedure for UMDNJ approval.

48. Question: Specifications Item 3.4.3, first sentence, on page 14 – This item refers to “..the front and rear wall refractory of 4 way interlocking tile of type and material per the boiler manufacturer's recommendation”.

We do hereby take exception to this item.

This paragraph is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete all reference to the boiler manufacturer.

Please provide the bidders with complete specifications, details, drawings, and bill of materials for the boiler front and rear walls.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

49. Question: Specifications Item 3.4.3, second sentence, on page 14 – This item refers to “The boiler floor and upper and lower drum seal refractory shall be as recommended by the boiler manufacturer”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete all reference to the boiler manufacturer.

Please provide the bidders with complete specifications, details, drawings, and bill of materials for the new floor, upper drum seals, and lower drum seals.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

50. Question: Specifications Item 3.4.4, on page 14 – This paragraph refers to “..a new Reliance Eye High System”.

This is insufficient information for bidder to properly estimate the cost of a replacement water column and gauge glass assembly for the subject project.

Please provide the bidders with complete specifications, details, drawings, and bill of materials, and other pertinent information regarding the replacement water column and gauge glass assembly for the subject project.

**Answer:** This item deleted due to change in the scope of work.

51. Question: Specifications Item 3.4.5, on page 14 – This paragraph refers to “Pressure and temperature gauges shall be replaced with equal or better quality”.

This is insufficient information for a bidder to properly estimate the cost of replacement pressure gauges and replacement temperature gauges for the subject project.

Please provide the bidders with complete specifications, details, drawings, and bill of materials, and other pertinent information regarding replacement pressure gauges and replacement temperature gauges for the subject project.

**Answer:** This item deleted due to change in the scope of work.

52. Question: Specifications Item 3.4.6, first sentence on page 14 – This sentence refers to “..furnish and install new warm up coils in the bottom drums complete with all piping and temperature control system”.

This is insufficient information for a bidder to properly estimate the cost of new warm up coils in the boiler bottom drums complete with all piping and temperature control system for the subject project.

Please provide the bidders with complete specifications, details, drawings, and bill of materials, and other pertinent information regarding all new warm up coils in the boiler bottom drums complete with all piping and temperature control system for the subject project.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

53. Question: Please confirm that the existing boiler drums are in good condition and can be fitted with new warm up coils.

**Answer:** Cannot confirm condition.

54. Question: Specifications Item 3.4.7, first sentence on page 14 – This sentence refers to “..replace all boiler hand valves shall be replaced with new of equal or equal or better quality”.

This is insufficient information for a bidder to properly estimate the cost of replacement boiler hand valves for the subject project.

Please provide the bidders with complete specifications, details, drawings, and bill of materials, and other pertinent information regarding all replacement boiler hand valves for the subject project.

**Answer:** This item deleted due to change in the scope of work.

55. Question: Specifications Item 3.4.7, third sentence on page 14 – This sentence refers to “..install new main gas valves and main oil burner shut-off valves with a Jamesbury product”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor’s ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete all reference to a Jamesbury product.

Please provide the bidders with complete specifications, details, drawings, and bill of materials for the new main gas valves and main oil burner shutoff valves.

**Answer:** This item deleted due to change in the scope of work.

56. Question: Specifications Item 3.4.8, on page 14 – This sentence refers to “The manufacturer and Contractor shall guarantee the design against overheating, warping or burning of the casting”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

Please note that the operating properties of the boiler are dictated by the design of the existing casing.

The bidders for this project cannot guarantee the casing design against overheating, warping or burning.

In order to avoid any issues after the bid date, please delete this item in its entirety.

**Answer:** Item 3.4.8 remains as written.

57. Question: Specifications Item 3.4.9, on page 14 – This sentence refers to “..prepare the surfaces to be painted as per specifications on the boiler faceplate”.

This is insufficient information for a bidder to properly estimate the cost of surface preparation and painting.

Please provide the bidders with complete specifications, details, drawings, and bill of materials, and other pertinent information regarding preparation and painting of the boiler for the subject product.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

58. Question: Specifications Item 3.4.10, first sentence on page 14 – This sentence refers to “..the soot blowers and lances and inspect and repair if necessary, then replace or rebuild soot blower support bearings”.

This is insufficient information for a bidder to properly estimate the cost of work for the existing soot blowers in the case that the existing soot blowers are need of replacement.

Please clarify this item.

Are the bidders to include as part of their bids the costs of replacing the existing soot blowers?

Please provide the bidders with complete specifications, details, drawings, and bill of materials, and other pertinent information regarding the existing soot blowers.

Are the existing soot blower heads in good condition?

How many soot blowers are there?

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

59. Question: Specifications Item 3.4.10, second sentence on page 14 – This sentence refers to “Valves shall be replaced with equal or better”.

This is insufficient information for a bidder to properly estimate the cost of replacement valves for the existing soot blowers.

Please provide the bidders with complete specifications, details, drawings, and bill of materials, and other pertinent information regarding all replacement valves for the existing soot blowers that are required for the subject project.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

60. Question: Specifications Item 3.4.11, on page 14 – This paragraph refers to “..flush and clean the boilers in accordance with manufacturer’s recommendations”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete all reference to the manufacturer.

Please provide the bidders with complete detailed specifications and procedure for flushing and cleaning the boiler and what boilers are to be flushed and cleaned.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by

UMDNJ.

61. Question: Specifications Item 3.4.12, on page 15 – This paragraph refers to “..re-pipe the boiler including the burner with the modifications and the new boiler control system.

This is insufficient information for a bidder to properly estimate the cost of work for re-piping the boiler including the burner with the modifications and the new boiler control system.

Please provide the bidders with complete specifications, details, drawings, and bill of materials, and other pertinent information regarding the re-piping the boiler including the burner with the modifications and the new boiler control system.

**Answer:** Re-tube the boiler only.

62. Question: Specifications Item 3.4.12, on page 15 – This paragraph refers to “All work shall be in accordance with the manufacturer recommendation”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete all reference to the manufacturer.

Please provide the bidders with complete specifications, details, drawings, and bill of materials, and other pertinent information regarding the re-piping the boiler including the burner with the modifications and the new boiler control system.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

63. Question: Specification Item 3.4.13 on page 15 – This paragraph refers to “..the service of an authorized factory service representative..”.

Please clarify what is being specified here. What factory authorized factory service representative?

**Answer:** This item deleted due to change in the scope of work.

64. Question: Specifications Item 3.4.13.1, first sentence on page 15 – This sentence refers to “..the manufacturer’s written start-up instructions”.

Please clarify what is being specified here. What manufacturer’s written start-up instructions?

**Answer:** This item deleted due to change in the scope of work.

65. Question: Specifications Item 3.4.13.1, second sentence, on page 15 – This item refers to “..test the controls an demonstrate compliance with the New Jersey Department of Environmental Protection title V permit”.

Please provide the bidders with a copy of the New Jersey Department of Environmental Protection title V permit for the subject facility.

In addition, please provide the bidders with the testing protocol that is acceptable to the New Jersey Department of Environmental Protection for the subject project.

**Answer:** This item deleted due to change in the Scope of Work.

66. Question: Specifications Item 3.4.13.1, third sentence, on page 15 – This sentence refers to “The Contractor shall replace or repair damaged or malfunctioning controls and equipment”.

In order to provide a suitable and inclusive bid, to is necessary for the bidder to be provided with all necessary information prior to the bid.

Please provide the bidders with clarification as to what controls and or equipment are to be replaced or repaired.

Please provide the bidders with complete specifications, details, drawings, bill of materials, and other pertinent information regarding the controls and or equipment that are to be replaced or repaired.

**Answer:** The Scope of Work is to Re-tube boiler only.

67. Question: Specifications Item 3.7, first sentence on page 15 – This item refers to “No. 2 and No. 3 fuel oil tanks will require cleaning to convert them to #2 fuel oil”.

Please confirm that UMDNJ will be fully responsible and liable for properly cleaning the existing fuel oil tanks.

**Answer:** UMDNJ will be responsible and liable for cleaning the existing fuel tanks.

68. Question: Please confirm that the existing fuel oil tanks are in good condition.

**Answer:** This item deleted due to change in the scope of work.

69. Question: Please confirm that the existing fuel oil tanks are acceptable to and registered with the New Jersey Department of Environmental Protection.

**Answer:** This item deleted due to change in the scope of work.

70. Question: Please confirm that the existing fuel oil tanks have the required leak detection systems.

**Answer:** This item deleted due to change in the scope of work.

71. Question: Is the bidder to include as part of his bid a leak detection system for the supply and return piping? If so, please provide complete specifications, details, drawings, bill of materials, and other pertinent information regarding a new leak detection system for the supply and return piping to and from the fuel oil tanks.

**Answer:** This item deleted due to change in the scope of work.

72. Question: Specifications Item 3.7, third sentence on page 15 – This item refers to “..install a new fuel transfer pumping station located in the basement of the Power Plant and replace all supply and return double wall piping to and from the tanks”.

This is insufficient information for a bidder to properly estimate the cost of a new fuel transfer pumping station.

This is insufficient information for a bidder to properly estimate the cost of a new supply and return double wall piping to and from the fuel oil tanks.

Please provide complete specifications, details, drawings, bill of materials, and other pertinent information regarding a new fuel transfer pumping station.

Please provide complete specifications, details, drawings, bill of materials, and other pertinent information regarding new supply and return double wall piping to and from the fuel oil tanks.

**Answer:** This item deleted due to change in the scope of work.

73. Question: Specifications Item 3.7, fourth sentence on page 15 – This item refers to “The Contractor will be required to supply all valves, gauges, thermometers inside or outside the tanks”.

This is insufficient information for a bidder to properly estimate the cost of new valves, gauges, thermometers inside or outside the tanks.

Please provide complete specifications, details, drawings, bill of materials, and other pertinent information regarding valves, gauges, thermometers inside and outside the tanks.

**Answer:** This item deleted due to change in the scope of work.

74. Question: Specifications Item 3.7, fifth sentence on page 15 – This item refers to “The fuel pumping station and filter will be similar to existing pumping station for Co-Generation Fuel”.

This is insufficient information for a bidder to properly estimate the cost of a new fuel pumping station and filter.

Please provide the bidders with complete specifications, details, drawings, bill of materials, and other pertinent information regarding a new fuel pumping station and filter.

**Answer:** This item deleted due to change in the scope of work.

75. Question: Specifications Item 3.7, seventh sentence on page 15 – This sentence refers to “Burner manufacturer requirements for fuel delivery must be included in the pumping station”.

This is insufficient information for a bidder to properly estimate the cost of a new fuel pumping station.

Please provide the bidders with complete specifications, details, drawings, bill of materials, and other pertinent information pertaining to the burner requirements affecting the new fuel pumping station and filter.

**Answer:** This item deleted due to change in the scope of work.

76. Question: Specifications Item 3.8, on page 15 – This item refers to “..the modified burner equipment..”.

Please confirm that a burner is acceptable to UMDNJ.

**Answer:** This item deleted due to change in the scope of work.

77. Question: Specifications Item 3.8, on page 15 – This item refers to “..maximum boiler capacity and pressure as stated on the nameplate of the boiler”.

This is insufficient information for a bidder to determine what is sufficient heat input for the boiler.

Please provide complete information regarding the heat input for the boiler for maximum continuous rating (MCR).

**Answer:** This item deleted due to change in the scope of work.

78. Question: Specifications Item 3.8.1, on page 16 – This item refers to "All equipment supplied shall be new".

Please clarify what this item includes.

**Answer:** Per RFP specification.

79. Question: Specifications Item 3.8.2, first sentence on page 16 – This sentence refers to "The modified burner system..".

Please confirm that a new burner is acceptable to UMDNJ.

**Answer:** This item deleted due to change in the scope of work.

80. Question: Specifications Item 3.8.2, first sentence on page 16 – This sentence refers to "...the applicable code requirements of NFPA 8501, 'Prevention of Furnace explosions in Fuel Oil and Natural Gas Fired Single Burner Furnaces', latest edition".

NEPA 8501 is obsolete and has been replaced with NFPA 85 entitled "Boiler And Combustion Systems Hazards Code".

Please delete all reference to NFPA 8501 and replace it with NFPA 85.

**Answer:** Replace Section 3.8.2 with code NFPA 85 in place of NFPA 8501.

81. Question: Specifications Item 3.8.3, first sentence on page 16 – This sentence refers to "Burner modifications..".

Please confirm that a new burner is acceptable to UMDNJ.

**Answer:** This item deleted due to change in the scope of work.

82. Question: Specifications Item 3.8.3, third sentence on page 16 – This sentence refers to "Each fuel burner..".

Please confirm that only one (1) burner is included as part of this project.

**Answer:** This item deleted due to change in the scope of work.

83. Question: Specifications Item 3.8.3, fourth sentence on page 16 – this sentence refers to “Each burner..”.

Please confirm that only one (1) burner is included as part of this project.

**Answer:** This item deleted due to change in the scope of work.

84. Question: Specifications Item 3.9.2, seventh sentence on page 16 – This sentence refers to “degree F Combustion Air Temperature, degree F..70 degrees Fahrenheit”.

This temperature appears to be in conflict with the ambient temperature listed in Specification Item 3.9.1, third sentence.

What is the correct ambient temperature?

What is the correct combustion air temperature?

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

85. Question: Specifications Item 3.9.2, eighth sentence on page 16 – This sentence refers to “Furnace pressure, “W.C...Positive”.

This operating parameter itself (Furnace Pressure) is not included as part of these specifications.

What is the actual draft loss through the boiler at Maximum Continuous Firing Rate (MCFR)?

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

86. Question : Specifications Item 3.9.2, ninth sentence on page 16 – This sentence refers to “Boiler Efficiency – Oil ..90%”.

This efficiency appears to be excessive.

What has the actual boiler efficiency been when firing oil?

Please provide a copy of the most recent combustion test report based on the ASME Power Test Code PTC 4.1.

**Answer:** Change item 3.9.2 to read boiler efficiency oil -85%.

87. Question: Specifications Item 3.9.2, tenth sentence on page 16 – This sentence refers to “Boiler Efficiency – Gas ...88%”.

This efficiency appears to be excessive.

What has the actual boiler efficiency been when firing gas?

Please provide a copy of the most recent combustion test report based on the ASME Power Test Code PTC 4.1.

**Answer:** Change item 3.9.2 to read boiler efficiency gas -79%.

88. Question: Specifications Item 3.9.3, fourth sentence on page 17 – This sentence refers to “Design fuel Oil Nitrogen Content...%Wgt”.

This operating parameter itself (Fuel Oil Nitrogen Content) is not included as part of these specifications.

What is the actual design parameter for the nitrogen content of the fuel oil?

**Answer:** This item deleted due to change in the scope of work.

89. Question: Specifications Item 3.9.3, fifth sentence on page 17 – This sentence refers to “Viscosity, ssu...ssu”.

This operating parameter itself (Fuel Oil Viscosity) is not included as part of these specifications.

What is the actual design parameter for the viscosity of the fuel oil?

**Answer:** This item deleted due to change in the scope of work.

90. Question: Specifications Item 3.10.1, first sentence on page 17 – This sentence refers to “...the modified burner equipment...”.

Please confirm that a new burner is acceptable to UMDNJ.

**Answer:** This item deleted due to change in the scope of work.

91. Question: Specifications Item 3.10.1, first sentence on page 17 – This sentence refers to “...performance parameters as outlined below”.

In order to avoid any confusion after the bid , please provide the bidders with the performance parameters that are to be guaranteed.

**Answer:** This item deleted due to change in the scope of work.

92. Question: Specifications Item 3.10.3, on page 17 – This item refers to “...ensure that the opacity of the flue gas shall not exceed current Title V emission limits when firing natural gas or oil”.

Please provide the bidders with a copy of the New Jersey Department of Environmental Protection title V permit for the subject facility.

In addition, please provide the bidders with the testing protocol for measuring the opacity of the flue gas that is acceptable to the New Jersey Department of Environmental Protection for the subject project.

**Answer:** This item deleted due to change in the scope of work.

93. Question: Specifications Item 3.11.1, first sentence on page 17 – This item refers to “... the existing burner assembly, including windbox, front plate, and register, ignitor and throat configuration shall be reused”.

Please confirm that a new burner is acceptable to UMDNJ.

**Answer:** A new burner is not acceptable. The old burner is to be put back after retubing.

94. Question: Please confirm that a new windbox is acceptable to UMDNJ.

**Answer:** A new windbox is not acceptable.

95. Question: Please confirm that a new register is acceptable to UMDNJ.

**Answer:** A new resister is not acceptable.

96. Question: Please confirm that a new ignitor is acceptable to UMDNJ.

**Answer:** A new ignitor is not acceptable.

97. Question: Please confirm that a new burner throat refractories are acceptable to UMDNJ.

**Answer:** New burner throat refractories are acceptable.

98. Question: Please confirm that a new boiler front plate is in good condition and is to be reused.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

99. Question: Specifications Item 3.11.1, second sentence, on page 17 – This item refers to “A larger draft fan will not be required”.

Please confirm that a new forced draft fan is acceptable to UMDNJ in lieu of reusing the existing forced draft fan.

Please provide the bidders with complete specifications, details, drawings, and bill of materials, and other pertinent information pertaining to the forced draft fan.

**Answer:** This item deleted due to change in the scope of work.

100. Question: Specifications Item 3.11.1, third sentence on page 17 – This item refers to “The burner assembly shall be modified

Please confirm that a new burner is acceptable to UMDNJ.

**Answer:** This item deleted due to change in the scope of work.

101. Question: Specifications Item 3.11.1, third sentence on page 17 – This item refers to “... to provide flue gas emissions in accordance with current State of New Jersey Department of Environmental Protection Title V permit limits”.

Please provide the bidders with a copy of the New Jersey Department of Environmental Protection title V permit for the subject facility.

In addition, please provide the bidders with the testing protocol for measuring the flue gas emissions that is acceptable to the New Jersey Department of Environmental Protection for the subject project.

**Answer:** This item deleted due to change in the scope of work.

102. Question: Specifications Item 3.11.1, fourth sentence on page 17 – This sentence refers to “The burner manufacturer shall provide as built drawings of the modified burner assembly”.

Please confirm that a new burner is acceptable to UMDNJ.

**Answer:** This item deleted due to change in the scope of work.

103. Question: Specifications Item 3.11.2, on page 18 – This item refers to “The

Contractor shall supply a new fuel train assembly”.

This item implies that only one (1) new fuel train assembly is required.

Please confirm that a new fuel oil valve train, a new main gas valve, a new atomizing media valve train, and a new ignition gas valve train are to be furnished and installed.

**Answer:** This item deleted due to change in the scope of work.

In addition, Please provide the bidders with complete specifications, details, drawings, and bill of materials, and other pertinent information pertaining to the new fuel oil valve train, the new main gas valve train, the new atomizing media valve train, and the new ignition gas valve train.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

104. Question: Specifications Item 3.11.3, on page 18 – This sentence refers to “These trains must fully comply with NFPA 8501”.

NFPA 8501 is obsolete and has been replaced with NFPA 85 entitled “Boiler And Combustion Systems Hazard Code”.

Please delete all reference to NFPA 8501 and replace it with NFPA 85.

**Answer:** This item deleted due to change in the scope of work.

105. Question: Specifications Item 3.11.6, on page 18 – This paragraph refers to “... (If required)...”.

Please clarify the phrase “If required”.

**Answer:** This item deleted due to change in the scope of work.

106. Question: Specifications Item 3.11.7, first sentence, on page 18 – This item refers to “...the Combustion Test Report...”.

Please provide the bidders with the combustion testing protocol that is to be utilized for the subject project.

Please provide the bidders with the combustion testing protocol that is acceptable to the New Jersey Department of Environmental Protection for the subject project.

**Answer:** This item deleted due to change in the scope of work.

107. Question: Specifications Item 3.11.7, fifth sentence on page 18 – This item refers to “These tests will be conducted by an independent and testing firm”.

Please provide the bidders with the combustion testing protocol that is to be utilized for the subject project.

Please provide the bidders with the combustion testing protocol that is acceptable to the New Jersey Department of Environmental Protection for the subject project.

**Answer:** This item deleted due to change in the scope of work.

108. Question: Specifications Item 3.11.7, sixth sentence, on page 18 – This item refers to “The recommended testing is firm Andrew McNeil”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete all reference to the firm of Andrew McNeil.

**Answer:** This item deleted due to change in the scope of work.

109. Question: Specifications Item 3.12, on page 19 – This item refers to “...provide remote level indicators for DA tank and two (2) Cascade Heaters”.  
This is insufficient information for a bidder to properly estimate the cost of new remote level indicators for the deaerator tank and for the two (2) cascade heaters.

Please provide the bidders with complete specifications, details, drawings, and bill of materials, and other pertinent information regarding new remote level indicators for the deaerator tank and for the two (2) cascade heaters.

**Answer:** This item deleted due to change in the scope of work.

110. Question: Please provide the bidders with complete specifications, details, drawings, and other pertinent information regarding the installation of the new remote level indicators for the deaerator tank and for the two (2) cascade heaters.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

111. Question: Please confirm that the existing deaerator tank is in good condition for the installation of the new remote level indicator.

**Answer:** This item deleted due to change in the scope of work.

112. Question: Please confirm that the two (2) existing cascade heaters are in good condition for the installation of new remote level indicators.

**Answer:** This item deleted due to change in the scope of work.

113. Question: Please confirm that the existing deaerator tank has existing pipe connections for the installation of the new remote level indicator.

**Answer:** This item deleted due to change in the scope of work.

114. Question: Please confirm that the two (2) existing cascade heaters have existing pipe connections for the installation of the new remote level indicators.

**Answer:** This item deleted due to change in the scope of work.

115. Question: Please confirm that the existing deaerator tank has adequate available space for the installation of the new remote level indicator.

**Answer:** This item deleted due to change in the scope of work.

116. Question: Please confirm that the two (2) existing cascade heaters have adequate available space for the installation of the new remote level indicators.

**Answer:** This item deleted due to change in the scope of work.

117. Question: Are the new remote level indicators to be interfaced and/or interlocked with any other equipment and/or other systems?

**Answer:** This item deleted due to change in the scope of work.

118. Question: Specifications Item 3.13 inclusive, on page 19 – This item refers to “Loop Contollers”.

We do hereby take exception to any item that is proprietary, exclusionary, or restrictive.

**Answer:** This item deleted due to change in the scope of work.

119. Question: Specifications Item 3.13, sixth sentence, on page 19 – This item refers to “...in the control cabinet...”.

This is insufficient information for a bidder to properly estimate the cost of a new boiler control system.

Please provide the bidders with complete specifications, details, drawings, and bill of materials, and other pertinent information regarding new control system for the boiler including complete specifications, details, bill of materials, and other pertinent information regarding the control cabinet.

**Answer:** This item deleted due to change in the scope of work.

120. Question: Specifications Item 3.13, eleventh sentence, on page 19 – This item refers to “Controllers shall be selected from the preferred equipment list”.

The preferred equipment list is not included as part of these specifications.

Please provide the bidders with a copy of the preferred equipment list.

**Answer:** This item deleted due to change in the scope of work.

121. Question: Specifications Item 3.13.1 inclusive, on page 19 – This item refers to “...each controller...”.

We do hereby take exception to anything in this item that is proprietary, exclusionary, and restrictive and limits the Contractor’s ability to provide high-quality products.

We do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

**Answer:** This item deleted due to change in the scope of work.

122. Question: Specifications Item 3.13.2 inclusive, on page 19 – This item refers to “...controller I/O...”.

We do hereby take exception to anything in this item that is proprietary, exclusionary, and restrictive and limits the Contractor’s ability to provide high-quality products.

We do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

**Answer:** This item deleted due to change in the scope of work.

123. Question: Specifications Item 3.13.3 inclusive, on page 19 and 20 – This item refers to “...each controller...”.

We do hereby take exception to anything in this item that is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

We do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

**Answer:** This item deleted due to change in the scope of work.

124. Question: Specifications Item 3.13.4 inclusive, on page 20 – This item refers to “...RS-485 communications data highway...”.

We do hereby take exception to anything in this item that is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

We do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

**Answer:** This item deleted due to change in the scope of work.

125. Question: Specifications Item 3.13.5 inclusive, on page 20 – This item refers to “...dedicated hard manual backup station...”.

We do hereby take exception to anything in this item that is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

We do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

**Answer:** This item deleted due to change in the scope of work.

126. Question: Specifications Item 3.13.6 inclusive, on page 20 – This item refers to “...all loop controllers supplied for this project shall be identical and shall be as described in the Loop Controller section above”.

We do hereby take exception to anything in this item that is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

We do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

**Answer:** This item deleted due to change in the scope of work.

127. Question: Specifications Item 3.14, on page 21 - This item refers to “Feed water Contollers”.

This is insufficient information for a bidder to properly estimate the cost of the feed water water control system for the boiler.

Is the Contractor to furnish and install a new drum water level sensor, a new steam flow sensor, a new steam pressure sensor, and a new feed water temperature sensor?

**Answer:** This item deleted due to change in the scope of work.

128. Question: Please provide the bidders with complete specifications, details, drawings, and bill of materials, and other pertinent information regarding new feed water control system for the boiler including complete specifications, details, drawings, bill of materials, and other pertinent information regarding the drum water level sensor, the steam flow sensor, the steam pressure sensor, and the feed water temperature sensor.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

129. Question: Specifications Item 3.14.7 inclusive, on page 22 – This item refers to “All loop controllers supplied for this project by the Contractor shall be identical and shall be as described in the “Loop Controller” section above”.

We do hereby take exception to anything in this item that is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

We do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

**Answer:** This item deleted due to change in the scope of work.

130. Question: Specifications Item 3.15, third and fourth sentences, on page 22 – This item refers to “The pressure gauges shall not be mounted within the specified control cabinet enclosure. The gauges shall be mounted on an open back section (but made part of the control cabinet)”.

This is insufficient information for a bidder to properly estimate the cost of the pressure gauges and their installation.

Please clarify what is meant by the “specified control cabinet enclosure?”

**Answer:** This item deleted due to change in the scope of work.

131. Question: Please clarify what is meant by the “open back section (but made part of the control cabinet)?

**Answer:** This item deleted due to change in the scope of work.

132. Question: Please provide the bidders with complete specifications, details, drawings, bill of materials, and other pertinent information regarding new pressure gauges and their installation.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

133. Question: Specifications Item 3.16.1, on page 22 – This item refers to “The transmitter shall utilize oval gears to measure true volumetric flow while being tolerant of suspended solids”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

We do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

**Answer:** This item deleted due to change in the scope of work.

134. Question: Specifications Item 3.18 inclusive, on page 23 – This item refers to “Quality Assurance”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

**Answer:** This item deleted due to change in the scope of work.

135. Question: Specifications Item 3.18.2 inclusive, on page 24 – This item refers to “Where items of equipment and/or material are specifically identified herein or

part the drawings by a manufacturer's name or model or catalog number, only such specified items may be used in the bid".

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

**Answer:** This item deleted due to change in the scope of work.

136. Question: Specifications Item 3.19 inclusive, on page 24 – This item refers to “The Contractor shall submit proof that it has the necessary current and required National board and A.S.M.E. stamps (including the “A” stamp) before commencing with the work”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality products.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

There is no reason for the bidder to hold any stamps from the National Board of Boiler and Pressure Vessel Inspectors (NBBPVI) or from the American Society of Mechanical Engineers (A.S.M.E.).

**Answer:** The Contractor must hold the stamps.

- 136-1. Question: Any applicable repairs made to the existing boilers must be performed by a repair firm that holds either an “R” stamp issued by the National Board of Boiler and Pressure Vessel Inspectors (NBBPVI) or is certified by the State of New Jersey as an authorized boiler repair firm.

Please confirm that the bidder is permitted to subcontract any applicable boiler repairs to a repair firm that holds either an “R” stamp issued by the National Board of Boiler and Pressure Vessel Inspectors (NBBPVI) or is certified by the State of New Jersey as an authorized boiler repair firm.

In order to avoid any issues after the bid date, please revise this item in its entirety.

**Answer:** The item remains as written.

137. Question: Specifications Item 3.21, first sentence inclusive, on page 24 – This item refers to “Upon completion of the project, the Contractor must complete an A.S.M.E. Boiler Performance Test on dual fuels to guarantee steam generating capacity and thermal efficiency”.

Please note that the steam generating capacity and thermal efficiency of the boilers at the subject facility are dictated by the design of the existing boilers.

The bidders for this project cannot guarantee the steam generating capacity and/or the thermal efficiency of the boilers.

The contractor can perform performance tests to confirm the actual steam generating capacity and the thermal efficiency of the boilers.

In order to avoid any issues after the bid date, please delete the word guarantee from this paragraph.

**Answer:** This item deleted due to change in the scope of work.

138. Question: Specifications Item 3.21, second sentence, on page 24 – This item refers to “Complete testing must also be performed by the Contractor and data provided to the Physical Plant Project Manager on both fuels to ensure operational adequacy”.

Please provide the bidders with the definition of operational adequacy.  
Please provide the bidders with the testing protocol that is to be utilized to demonstrate operational adequacy.

**Answer:** This item deleted due to change in the scope of work.

139. Question: Specifications Item 3.22 inclusive, on page 24 – This item refers to “The Contractor shall have been in the boiler business for 15 years or more”.

We do hereby take exception to this item.

This item is proprietary, exclusionary, and restrictive and limits the Contractor's ability to provide high-quality work.

In light of the proprietary bid specifications, we do hereby take exception to any specified item that is proprietary, exclusionary, or restrictive.

In order to avoid any issues after the bid date, please delete this item in its entirety.

**Answer:** The Contractor shall have been in the boiler business for seven (7)

years or more. The Contractor must have completed three (3) or more complete boiler retubing projects of approximately 100 million BTU's per hour output capacity and operating pressures of approximately 200 psig.

140. Question: Please provide the bidders with the tube drawings of the existing boiler. The boiler tube drawings shall illustrate the boiler tube layouts and the boiler tube locations. The boiler tube drawings shall include boiler tube identification, boiler tube location, sizes, and all other pertinent information.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

141. Question: Please provide the bidders with the refractory and insulation drawings of the existing boiler. The boiler refractory and insulation drawings shall illustrate the boiler refractory and insulation layouts. The boiler refractory and insulation drawings shall include refractory and insulation identification, refractory and insulation location, amounts, and all other pertinent information

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

142. Question: Please provide the bidders with the casing drawings of the existing boiler. The boiler casing drawings shall illustrate the boiler outer casing layouts. The boiler casing drawings shall include casing identification, casing location, amounts, and all other pertinent information.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

143. Question: Please provide the bidders with the framing drawings of the existing boiler. The boiler framing drawings shall illustrate the boiler framing layouts. The framing drawings shall include framing identification, framing location, amounts, and all other pertinent information.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

144. Question: Please provide the bidders with the steam drum drawing of the existing boiler.

**Answer:** It is the intention of the RFP that the bidder furnish a design build

package. Design details are the responsibility of the bidder for approval by UMDNJ.

145. Question: Please provide the bidders with the water drum drawing of the existing boiler.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

146. Question: Please provide the bidders with drawings and details of the steam drum internals.

**Answer:** It is the intention of the RFP that the bidder furnish a design build package. Design details are the responsibility of the bidder for approval by UMDNJ.

147. Question: Please provide the bidders with the actual available gas supply pressure.

**Answer:** This item deleted due to change in the scope of work.

148. Question: Please provide the bidders with detailed drawings to clarify the extent of instrumentation and controls for the subject project.

**Answer:** This item deleted due to change in the scope of work.

149. Question: Please provide the bidders with detailed drawings to clarify the extent of field piping for the subject project. If this piping is to be included as part of this bid, please clarify specifically what piping, sizing, the extent of the piping, etc.

**Answer:** This item deleted due to change in the scope of work.

150. Question: Please provide the bidders with detailed drawings to clarify the extent of field wiring for the subject project. If this wiring is to be included as part of this bid, please clarify specifically what wiring, sizing, the extent of the wiring, etc.

**Answer:** This item deleted due to change in the scope of work.

151. Question: Are prevailing labor rates to be paid?

**Answer:** Yes

152. Question: Will certified payroll forms have to be submitted?

**Answer:** Yes

153. Question: Does the labor have to be union labor? From the local union?

**Answer:** Prevailing wages are to be paid.

154. Question: Who is liable and responsible if the union pickets the site?

**Answer:** The Contractor shall only employ labor on the Project or in connection with the Work capable of working harmoniously with all trades, crafts and any other individuals associated with the Project. The Contractor shall also take whatever action is necessary to minimize the likelihood of any strike, work stoppage or other labor disturbance.

Neither party shall be responsible for any failure of performance due to Acts of God, war, government regulations, disaster strikes and civil disorder. This agreement may be terminated for any one or more of the aforementioned reasons by written notice from one party to the other.

Neither party shall be liable in damages or have the right to terminate this Agreement for any delay or default in performing hereunder if such delay or default is caused by conditions beyond its control including, but not limited to Acts of God, Government restrictions (including the denial or cancellation of any export or other necessary license), wars, insurrections and/or any other cause beyond the reasonable control of the party whose performance is affected.

155. Question: If a non-union shop is doing work and the union pickets the site which delays the work, will the UMDNJ compensate the contractor for the additional costs due to delays, etc. caused by the union picket?

**Answer:** No

156. Question: Please confirm that there is no asbestos abatement as part of this bid?

**Answer:** Confirmed

157. Question: Please confirm that any and all permits and certificates that are required from the New Jersey Department of Environmental Protection are the responsibility of UMDNJ and not included as part of this bid.

**Answer:** Confirmed.

158. Question: Please confirm that any and all permits and certificates that are required from the United States Environmental Protection Agency are the responsibility of UMDNJ and not included as part of the bid.

**Answer:** Confirmed.

159. Question: Please confirm that any and all instruments, gauges, etc. required by the

New Jersey Department of Environmental Protection that are not specified are the responsibility of UMDNJ and included as part of this bid.

**Answer:** This item deleted due to change in the scope of work.

160. Question: Please confirm that any and all instruments, gauges, etc. required by the United States Environmental Protection Agency that are not specified are the responsibility of UMDNJ and not included as part of this bid.

**Answer:** This item deleted due to change in the scope of work.

161. Question: Please confirm that UMDNJ will compensate the contractor for any additional costs due to any requested testing that exceeds those that are specified.

**Answer:** No

162. Question: Please confirm that UMDNJ will make provision for adequate loads for performance testing of the boilers.

**Answer:** UMDNJ will make provision for adequate loads for performance testing of the boilers.

163. Question: Is this project fully funded?

**Answer:** Yes

164. Question: What is the budget for this project?

**Answer:** The project budget will be given to the successful bidder.

165. Question: What is the allowable time in calendar days for completion of the project?

**Answer:** The target completion date is 11/5/05.

166. Question: Please clarify what bid documents are required as part of the actual bid.

In order to avoid any conflicts after the bid date, we do hereby request the University of Medicine and Dentistry of New Jersey review our questions and respond with answers in a timely manner prior to the bid date. Note that in many cases, an addendum will have to be issued to provide the necessary information and answers.

In light of the quantity and the extent of the issues listed, we do hereby request a delay in the bid date to allow adequate time for us to incorporate your responses into our bid prices.

We are firm believers in open and competitive bidding, but we require specifications and drawings that are complete, non-proprietary, non-exclusionary, and non-restrictive.

We sincerely hope that the above is satisfactory and look forward to your responses.

**Answer:** Refer to Section 1.0 of the RFP.

Due Date shall be extended as follows:

Current Due Date: May 26, 2005 @ 2:00 PM.

New Due Date: June 02, 2005 @ 2:00 PM

**END OF ADDENDUM #7**

