



Procurement Department Bid Section

September 16, 2025

ADDENDUM NUMBER: FOUR (4)

TITLE: 1412020648 (IFB) Brandy Branch Generating Station B52-B53 SCR Catalyst Replacement

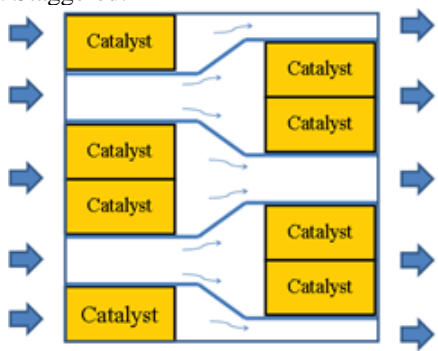
PROPOSAL DUE DATE: September 23, 2025

TIME OF RECEIPT: 12:00 PM EST

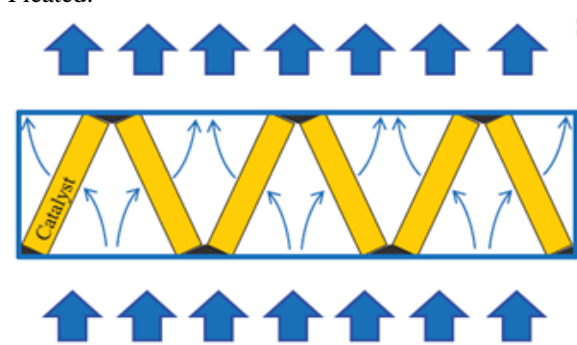
THIS ADDENDUM IS FOR THE PURPOSE OF MAKING THE FOLLOWING CHANGES OR CLARIFICATIONS:

1. **Change:** The bid due date has been extended to **September 23, 2025**.
2. **Question:** In the RFQ the customer states that a low dp pleated or staggered module design is preferred. Umicore only provides a flat layer design. We don't offer a pleated and I'm not really sure what is meant by the term staggered design. If Umicore can not provide a pleated design, should Umicore believe that our flat layer design has a reasonable chance of being selected?

Answer: Staggered:



Pleated:



The objective is to reduce the gas side dP yet maintain similar performance.

3. **Question:** I am not clear on the required guaranteed CO oxidation rate for the dual function catalyst option. The RFQ states that the stack limit for CO is 14 ppmvdc while the maximum normal CO exiting the CT (except during startup) is 3-8 ppmvdc.

Answer: Future expectations include operating at min load significantly more and potentially implement a CT upgrade that lowers the min load from current. CO is expected to increase; CO catalyst provides some additional margin.

4. **Question:** Appendix A contains expected performance below the table that is troubling to Umicore. It's unreasonable to expect DeNOx to be >90% if the guaranteed DeNOx rate is only 61% (9 to 3.5 ppmvdc). The expected ammonia slip of <2.0 ppmvdc is even more unreasonable considering >90% DeNOx and the resulting 0.9 ppmvdc outlet NOX concentration that would be required. A well-designed SCR system meeting the required DeNOx rate of 61% with a maximum of 5 ppmvdc ammonia slip will not remotely come close to the expected performance in Appendix A.

Answer: Provide the guaranteed performance.

5. **Question:** Appendix A contains expected performance for CO oxidation rate of 77%. Again, Umicore is confused considering an inlet maximum CO concentration of 8 ppmvdc and a current stack limit of 14 ppmvd.

Answer: Refer to Question #3 above.

6. **Question:** If the customer later better defines a CO oxidation rate guarantee rate, we need to know the operating conditions including mass flow rate and flue gas temperature in order to guarantee CO oxidation rate.

Answer: Mass flow rate and flue gas temperatures are provided in Section A, e.g.

PERFORMANCE at Design Conditions

Parameter	Units	Value
Max Exhaust Flow	lb / hr	4,300,000
Maximum Duct Burner Fuel flow	scfh	80,000
SCR Operating Temperature	°F	567 - 661
SCR Inlet NOx	ppmvdc	6 - 9
SCR Inlet CO ¹	ppmvdc	3 - 8 normal
Stack CO Limit	ppmvdc	14
Stack NOx Limit	ppmvdc	3.5
Ammonia Slip Limit	ppmvdc	5

Notes:

- SCR Inlet CO is higher when operating at low loads.
7. **Addition:** JEA adds "1412020648 Addendum 4 - Appendix A - Revised Technical Specifications".
- Added supplemental info / data based on questions.
 - Re-added base bid (replacement in kind),
 - Removed "expected performance" from bid form
8. **Addition:** JEA adds "1412020648 Addendum 4 - Appendix B - Revised Response Form".

ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON THE PROPOSAL FORM.