

Princeton University

Plasma Physics Laboratory

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21 December 2004

Ms. Teresa Hubbard
Major Tool & Machine, Inc.
1458 E. 19th Street
Indianapolis, IN 46218

SUBJECT: **Specification Addendum Letter No. 3-2** to Subcontract S005243-F's NCSX Product Specification for Vacuum Vessel System Sub-Assembly NCSX-CSPEC-121-02-03

Dear Ms. Hubbard:

A copy of NCSX PRODUCT SPECIFICATION FOR THE VACUUM VESSEL SYSTEM SUB-ASSEMBLY, NCSX-CSPEC-121-02-03 (Revision 3), dated 24 November 2004, was forwarded to you by letter dated 26 November 2004 with guidance that it was effective for implementation immediately upon receipt. It was also incorporated into Subcontract S005243-F Amendment No. 1, sent on 7 December 2004 to Major Tool & Machine (MTM) for approval and signature.

In the interest of clarity and immediate communication to MTM of NCSX Project approval or acceptance of MTM requests and recommendations that will either directly or indirectly impact on the Subcontract Specification and or drawings, the Project will issue periodically, as appropriate, serial numbered **Specification Addendum Letters**. Specification and drawing errors or omissions identified by the NCSX Project and the Project "fix" will also be addressed in these letters.

This **Specification Addendum No. 3-2** (second Addendum to Revision 3 of the Specification) provides the following information reported by NCSX Project Management. This information is effective immediately and will be formally incorporated, as appropriate, in the next revision of the Specification, now projected to be issued before 1 March 2005.

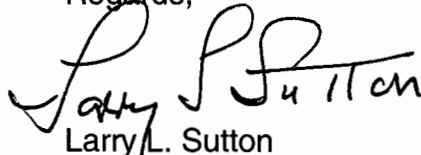
Specification Addendum No. 3-2

1. "The zip file titled VV_Prod_step_Rev1b was added to the production_vessel folder. This file is identical to the Rev 1 Step file posted 24 November 2004 *except* that the assembly Step files have been updated to allow the Step model parts to open with the part names listed with a revision number. Also, included in the zip file is a spread sheet titled VVSA_Revised_Step_Models.xls that lists the revised Step files along with a change description. The earlier posted zip Step file has been archived."
2. Re: D. McCorkle communication to M. Viola Fri 12/17/2004 5:27 P.M. "Risk mitigation synopsis, and three design change recommendation sketches." The NCSX project guidance is that the greater risk is if the vessel is oversized vs. undersized in the region of the large ports. Option #1 as proposed, appears to be the better choice given the scenario provided. The proposed weld design change for the large ports and tolerance deviation located around the perimeters of the large ports must be evaluated. You will receive a response to this proposal by 12 January 2005.

Please acknowledge receipt of this Addendum by signing the receipt on the following page and returning it by telefax.

If there are any questions pertaining to this matter, I may be contacted at (609) 243-2441, telefax (609) 243-2021, or by e-mail lsutton@pppl.gov.

Regards,



Larry L. Sutton
Senior Subcontract Administrator

Please Sign and Return by Telefax (609) 243-2021

Receipt of **SPECIFICATION ADDENDUM LETTER 3-2** to Subcontract S005243-F's NCSX SPECIFICATION - PRODUCT SPECIFICATION FOR THE VACUUM VESSEL SYSTEM SUB-ASSEMBLY, NCSX-CSPEC-121-02-03, dated 24 November 2004 is acknowledged.

Signature

Date

Title

Major Tool & Machine Company
1458 E. 19th Street
Indianapolis, IN 46218