

**Bilbo, Sallie Nicole (SSC-IA00)**

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Tuesday, September 16, 2014 8:56 AM  
**To:** Sanders, Claude B. (SSC-RA10)  
**Cc:** Nugent, Nicholas J. (SSC-EA32); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Carr, Katie (SSC-QA20)  
**Subject:** FW: Due 9/18: RFI 160 from HPA - B2 TS WP#3 Replace Flame Deflector Back Wall Manifolds NNS14AA30T -SK442

Please see (b)(6) response below.

(b)(6)  
Project Manager  
Jacobs Technology  
B-3226 Room A21  
Stennis Space Center, MS 39529

(b)(6)

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Tuesday, September 16, 2014 8:52 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** RE: Due 9/18: RFI 160 from HPA - B2 TS WP#3 Replace Flame Deflector Back Wall Manifolds NNS14AA30T - SK442

(b)(6) for the reason stated per Amendment #1, answer to Question 24, it recommended that a recyclable material such as steel grit be used as the abrasive blast product to prepare the surfaces of the subject manifolds. The containment floor should prevent the steel grit from being exposed to moisture. The containment floor should be constructed with materials impermeable and impenetrable to air, dust, and water such as solid panels of plywood or flexible materials such as tarpaulins..

Regards,

(b)(6)

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Monday, September 15, 2014 3:05 PM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** FW: Due 9/18: RFI 160 from HPA - B2 TS WP#3 Replace Flame Deflector Back Wall Manifolds NNS14AA30T - SK442

(b)(6) Please review and comment.

Thanks,

(b)(6)  
Project Manager  
Jacobs Technology  
B-3226 Room A21  
Stennis Space Center, MS 39529

(b)(6)

**From:** (b)(6) [SSC-JACOBS][JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Monday, September 15, 2014 2:47 PM  
**To:** Carr, Katie (SSC-QA20); Farner, Bruce R. (SSC-RA20); (b)(6) (SSC-RA10)[Prime Engineering & Architecture]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Gargiulo, Robert F. (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Jacks, Thomas E. (SSC-EA32); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Kennedy, Carolyn D. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Le, Son K. (SSC-QA01); Maynard, Bryon Timothy (SSC-EA52); Mitchell, Jeffrey J. (SSC-QA00); Nugent, Nicholas J. (SSC-EA32); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Rauch, Richard T. (SSC-PA40); Rewis, Mike J. (SSC-OA10); Sanders, Claude B. (SSC-RA10); (b)(6) (SSC-BASTIONTECH)[Bastion Technologies, Inc.]; (b)(6) (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; ZERINGUE, CHRISTINA P. (SSC-QA20)  
**Subject:** Due 9/18: RFI 160 from HPA - B2 TS WP#3 Replace Flame Deflector Back Wall Manifolds NNS14AA30T -SK442

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



**From:** (b)(6)  
**Sent:** Monday, September 15, 2014 1:22 PM  
**To:** (b)(6) [SSC-JACOBS][JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) [SSC-JACOBS][JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10)

(b)(6)

**Subject:** RFI-160 Abrasive Blasting Media PASI  
Melissa Attached is RFI-160 Work Package 3 EMI-SK441

(b)(6) Senior CQC Manager  
Harry Pepper & Associates a EMCOR Company  
Stennis Space Center Cell (b)(6) Phone (b)(6)

**Bilbo, Sallie Nicole (SSC-IA00)**

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Friday, October 03, 2014 1:09 PM  
**To:** (b)(6) (SSC-RA10)[CDM-CH2M Hill JV]; (b)(6) (SSC-JACOBS)  
[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS  
TECHNOLOGY INC (SSC FOSC)]  
**Subject:** RE: Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

For consistency, I recommend Pearl Gray for the following EMIs SK442PFL00, SK444YFL00, SL430WFB00-03.

Best Regards,

(b)(6)  
Jacobs Technology, Inc.  
B3226, Stennis Space Center, MS 39529

(b)(6)

**From:** (b)(6) (SSC-RA10)[Prime Engineering & Architecture]  
**Sent:** Friday, October 03, 2014 10:03 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS  
TECHNOLOGY INC (SSC FOSC)]  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6)  
**Subject:** RE: Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs

All of Prime designs are as stated Pearl Gray except specific safety and other area noted on the drawings.

Who is going to submit the RFI response to (b)(6)?

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Friday, October 03, 2014 9:12 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS  
TECHNOLOGY INC (SSC FOSC)]  
**Cc:** (b)(6) (SSC-RA10)[Prime Engineering & Architecture]  
**Subject:** RE: Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs

The color that is required for the superstructure shall be red, (Federal STD. NO. 11105). The hot side of the flame deflector shall be yellow (Federal Color No. 33538), the cold side shall be gray (Federal Color No. 16440, or pearl gray).

(b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Wednesday, October 01, 2014 7:35 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS

TECHNOLOGY INC (SSC FOSC)]

Cc: (b)(6) SSC-RA10][Prime Engineering & Architecture]

Subject: FW: Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs

(b)(6) - Could the two of you review this submittal for the FOSC designs and provide comments?

(b)(6) I am assuming you will answer for the Prime designs. Correct?

(b)(6)

Project Manager  
Jacobs Technology  
B-3226 Room A21  
Stennis Space Center, MS 39529

(b)(6)

From: (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]

Sent: Tuesday, September 30, 2014 1:43 PM

To: Carr, Katie (SSC-QA20); (b)(6) SSC-RA10][Prime Engineering & Architecture]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Gargiulo, Robert F. (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Jacks, Thomas E. (SSC-EA32); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Kennedy, Carolyn D. (SSC-RA02); LADNER, MATTHEW K. (SSC-RA10); (b)(6) SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Le, Son K. (SSC-QA01); Maynard, Bryon Timothy (SSC-EA52); Mitchell, Jeffrey J. (SSC-QA00); Nugent, Nicholas J. (SSC-EA32);

(b)(6) SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Rauch, Richard T. (SSC-PA40); Rewis, Mike J. (SSC-QA10); Sanders, Claude B. (SSC-RA10); (b)(6) (SSC-BASTIONTECH)[Bastion Technologies, Inc.]; (b)(6)

(b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; ZERINGUE, CHRISTINA P. (SSC-QA20)

Subject: Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



From: (b)(6)

Sent: Tuesday, September 30, 2014 11:50 AM

To: (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10)

(b)(6)

Subject: RFI-0175 Confirm Color Requirements (PASI)

(b)(6) Attached is RFI-0175 ALL EMIs

(b)(6) Senior CQC Manager Harry Pepper & Associates a EMCOR Company  
Stennis Space Center Cell (b)(6) Phone (b)(6)

**Bilbo, Sallie Nicole (SSC-IA00)**

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Monday, October 20, 2014 9:40 AM  
**To:** Sanders, Claude B. (SSC-RA10); MANNION, AARON T. (SSC-RA10)  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Carr, Katie (SSC-QA20)  
**Subject:** RE: Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs  
**Attachments:** RE: Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs; RE: Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs; RE: Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs

Meant to attach these emails as well.

(b)(6)

Project Manager  
Jacobs Technology  
B-3226 Room A21  
Stennis Space Center, MS 39529

(b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Monday, October 20, 2014 9:39 AM  
**To:** Sanders, Claude B. (SSC-RA10); MANNION, AARON T. (SSC-RA10)  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Carr, Katie (SSC-QA20)  
**Subject:** FW: Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs

FYI

(b)(6)

Project Manager  
Jacobs Technology  
B-3226 Room A21  
Stennis Space Center, MS 39529

(b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Friday, October 17, 2014 6:53 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** RE: Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs

(b)(6) the colors specified for the superstructure are confirmed as listed on the attachment of the subject RFI. Colors for the Backwall manifolds 25, 26 and 27 shall be as specified per EMI – SK441PFL00-02, Sheet S-201. Hot side shall be yellow, Federal Color No. 33538. Cold side shall be gray, Federal Color No. 16440 or pearl gray. Let me know if you have any questions.

Thanks,

(b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Thursday, October 16, 2014 1:18 PM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



**From:** MANNION, AARON T. (SSC-RA10)  
**Sent:** Thursday, October 16, 2014 1:14 PM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Carr, Katie (SSC-QA20)  
**Subject:** RE: FOR YOUR CONCURRENCE: Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs

Need (b)(6) to review and provide input as well.

Thanks,  
Todd

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Thursday, October 16, 2014 8:47 AM  
**To:** MANNION, AARON T. (SSC-RA10); Carr, Katie (SSC-QA20)  
**Subject:** FOR YOUR CONCURRENCE: Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs  
**Importance:** High

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



**From:** Kennedy, Carolyn D. (SSC-RA02)  
**Sent:** Tuesday, September 30, 2014 2:40 PM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** RE: Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs

I would emphasize the "match existing color" especially for exterior facades. This is necessary to comply with the agreement that NASA has with the State Historic Preservation Officer on changing attributes of the B Test Stand because of its Historic Landmark designation.

Thanks,

Carolyn Kennedy  
NASA Environmental Management  
228-688-1445

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Tuesday, September 30, 2014 1:43 PM  
**To:** Carr, Katie (SSC-QA20); (b)(6) (SSC-RA10)[Prime Engineering & Architecture]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Gargiulo, Robert F. (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Jacks, Thomas E. (SSC-EA32); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Kennedy, Carolyn D. (SSC-RA02); LADNER, MATTHEW K. (SSC-RA10); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Le, Son K. (SSC-QA01); Maynard, Bryon Timothy (SSC-EA52); Mitchell, Jeffrey J. (SSC-QA00); Nugent, Nicholas J. (SSC-EA32); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Rauch, Richard T. (SSC-PA40); Rewis, Mike J. (SSC-OA10); Sanders, Claude B. (SSC-RA10); (b)(6) (SSC-BASTIONTECH)[Bastion Technologies, Inc.]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; ZERINGUE, CHRISTINA P. (SSC-QA20)  
**Subject:** Due 10/3: RFI 175 from HPA - B2 TS WP#3 NNS14AA30T -All EMIs

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



**From:** (b)(6)  
**Sent:** Tuesday, September 30, 2014 11:50 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10)

(b)(6)

**Subject:** RFI-0175 Confirm Color Requirements (PASI)

(b)(6) Attached is RFI-0175 ALL EMIs

(b)(6) Senior CQC Manager Harry Pepper & Associates a EMCOR Company  
Stennis Space Center Cell (b)(6) Phone (b)(6)

**Bilbo, Sallie Nicole (SSC-IA00)**

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Friday, October 31, 2014 10:20 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6)  
(b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6)  
(b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6)  
(b)(6) Sanders, Claude B.  
(SSC-RA10); Carr, Katie (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS  
TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY  
INC (SSC FOSC)]  
**Subject:** Weekend Work Requirements 11/1 & 11/2

HPA is requesting to work in the following areas for this weekend:

Saturday; November 1, 2014 **1<sup>st</sup> shift only**

ICI - Level 11 to 16  
HPA/PPM - Flame Deflector, hot side (north side)  
HPA - Soft core level 11 and up west and south sides  
PASI - Battleship and north side soft core level 11 and up,  
ICI - South side Flame Deflector and Level 7  
HPA - Level 16 and 20  
Buckner/NOV - Ground south west parking lot, Level 18 and 20.  
TCB - LOX dock area along tree line.

Sunday November 2, 2014

**NO WORK**

(b)(6)

There is no requirement for crane operators or P.M. Shop personnel this weekend.

Let me know if you have any questions.

Regard,

(b)(6) QCxP  
Construction Manager  
Jacobs  
Engineering Services Department  
Stennis Space Center, MS 39529

(b)(6)

**Bilbo, Sallie Nicole (SSC-IA00)**

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Wednesday, November 05, 2014 10:32 AM  
**To:** Carr, Katie (SSC-QA20)  
**Cc:** Sanders, Claude B. (SSC-RA10)  
**Subject:** FCR 014

Katie,  
FCR 014 came in at HPA cost of (b)(5) revised government estimate is (b)(5) HPA has agreed to drop the painting (PASI) portion in the amount of amount (b)(5) without mark-up). I have taken the liberty of creating a "starting point" for you with the attached. You may need to clean it up a bit. Final costs should be about (b)(5)  
..... (b)(6)



(b)(6)

FOSC -Construction Manager  
B-8000 2nd Floor

(b)(6)



From: Katie Carr

To: Ken Kimbrough

Subject: Technical Evaluation of FCR 14 Install Tees and Flanges on HA lines.

**1. Technical Requirement/Background:** Need was determined for “blank” flanges to be inserted in the 3” and 4” HA piping at level 11 and 16 respectfully, to be utilized for future connections. Since HPA is currently performing similar work in this same area, the work will be performed by them.

**2. Technical Evaluation Team Members:**

Katie Carr – NASA COR

(b)(6)

ICI Project Manager

HPA Project Manager

- Jacobs

**3. Fact-Finding:** Piping systems are scheduled to be installed per drawings SK442PFL00 M-119 & M-121. Insertion of Tee’s in pipe runs will allow placement of a “blind” flange, thus allowing easy access for future connections.

**4. Ground Rules and Assumptions:** Contractor shall utilize the revised drawings, marked up to show the Tees inserted, however, the painting requirements remains unchanged by this revision.

**5. Data Requirements Documents (DRD’s):** EMI-SK442PFL00 Drawing M-119 & 121.

**6. Government Furnished Property (GFP)/ Government Furnished Information (GFI):**  
N/A

**7. Overall Acceptability of the Technical Proposal:** The HPA mechanical proposal is acceptable, but the inclusion of additional painting is unacceptable. The mechanical portion addresses adding the Tees requested, with blank flanges. There were no substantial changes to the existing painting requirement.

**8. Evaluation of Resources:**

The revised government estimate is (b)(5) and the contractor is charging (b)(4). The contractor's cost includes a paint subcontractor cost of \$2,027. Discussions with HPA concerning this painting cost has resulted in HPA agreeing to its deletion. Removing this item, with its associated mark-up will result in a HPA cost for this FCR of approximately (b)(4). While this is still a deviation of 12% from the government estimate, due to the low cost impact this is acceptable as is.

- a. Direct Labor: HPA's labor cost uses a sub-contractor, which involves duplicated mark-ups, making a straight comparison difficult, however, HPA's bare labor cost of (b)(4) compares to estimate of (b)(4) Accept Mechanical (ICI) as is.
- b. Material: HPA's Material cost was (b)(4) compared to the estimate of (b)(5) or essentially the same. Accept as is.
- c. Other Direct Costs (ODCs): As seen by the comparisons above with Labor and Material, the presentation of this FCR cost is influenced by the mark-ups generated by the sub-contractor and duplicated by the Prime. Accept as is.
- d. Subcontracts: Use of PASI, painting subcontractor, needs to be deleted, as unnecessary for this task. See discussion in Item 8 (above) for Mechanical labor comparisons.

9. **Other issues**: There are no schedule impacts.

*Katie Carr*  
*NASA Construction Project Manager*  
*Alternate COR WP-3*

Attachments:  
RFI- 144  
FCR-09  
Government Estimate  
CCB approval

**Bilbo, Sallie Nicole (SSC-IA00)**

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**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Thursday, November 06, 2014 12:06 PM  
**To:** Sanders, Claude B. (SSC-RA10); Carr, Katie (SSC-QA20)  
**Subject:** FOR YOUR CONCURRENCE: Due 11/11: RFI 206 from HPA - B2 TS WP#3 SLS Battleship Point Load Reinforce NNS14AA30T -20

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Thursday, November 06, 2014 10:55 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Cc:** Sanders, Claude B. (SSC-RA10); Carr, Katie (SSC-QA20)  
**Subject:** FW: RFI-0206 Paint Color in Battleship PASI

(b)(6)

Please process this response to RFI 206.

....Thank you..... (b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Thursday, November 06, 2014 10:51 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** RE: RFI-0206 Paint Color in Battleship PASI

If the colors were not specified on the drawings or in the specifications, it is recommended that the color of the WTs match the existing surrounding colors of the battleship.

Thanks,

(b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Thursday, November 06, 2014 10:21 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** FW: RFI-0206 Paint Color in Battleship PASI

(b)(6)

Can you give me a quick response?

..... (b)(6)

From: (b)(6)

Sent: Thursday, November 06, 2014 10:10 AM

To: (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10)

(b)(6)

Subject: RFI-0206 Paint Color in Battleship PASI

(b)(6)

Attached is RFI-206

WP3

EMI-12NCBZ-20

(b)(6)

Senior CQC Manager  
Harry Pepper & Associates  
a EMCOR Company  
Stennis Space Center

Cell (b)(6)  
Pho (b)(6)

This message is for the named person's use only. It may contain confidential, proprietary or legally privileged information. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this message in error, please immediately delete it and all copies of it from your system, destroy any hard copies of it and notify the sender. You must not, directly or indirectly, use, disclose, distribute, print, or copy any part of this message if you are not the intended recipient.



National Aeronautics and  
Space Administration  
John C. Stennis Space Center  
Stennis Space Center, MS 39529-6000

# REQUEST FOR INFORMATION

(Implemented by SOI-8040-0001-FACENG)

Request For Information (RFI) Number  
RFI-206

Date  
11/6/14

Requestor  
PASI of LA, Inc

Contract  
NNS14AA30T

**Question:**

The drawing G-001 in EMI-12NCBZ-20 provides the specifications for the structural steel paint system used on the new WTs installed in the battleship. These specifications require a primer coat and a topcoat to complete the system.

Due to the historical nature of the battleship it has been expressed to PASI that the columns be painted to match the existing color of the battleship instead of the current white topcoat that is in place on the steel.

Please confirm what color topcoat should be used to complete the touchup of the welds?

**Answer:**

**Bilbo, Sallie Nicole (SSC-IA00)**

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Wednesday, November 12, 2014 3:42 PM  
**To:** Carr, Katie (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Farner, Bruce R. (SSC-RA20); (b)(6) (SSC-RA10)[CDM-CH2M Hill JV]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Gargiulo, Robert F. (SSC-QA20) (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Jacks, Thomas E. (SSC-EA32); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Kennedy, Carolyn D. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Le, Son K. (SSC-QA01); Maynard, Bryon Timothy (SSC-EA52); Mitchell, Jeffrey J. (SSC-QA00); Nugent, Nicholas J. (SSC-EA32); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Rauch, Richard T. (SSC-EA01); Rewis, Mike J. (SSC-QA10); Sanders, Claude B. (SSC-RA10); (b)(6) (SSC-BASTIONTECH)[Bastion Technologies, Inc.]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; ZERINGUE, CHRISTINA P. (SSC-QA01)  
**Subject:** Due 11/17: RFI 209 from HPA - B2 TS WP#3 - Replace Flame Deflector Back Wall Manifolds NNS14AA30T -SK441PFL00-02  
**Attachments:** RFI 209 Question.pdf  
**Follow Up Flag:** Follow up  
**Due By:** Monday, November 17, 2014 1:00 PM  
**Flag Status:** Flagged

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



**From:** (b)(6)  
**Sent:** Tuesday, November 11, 2014 2:24 PM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10)

(b)(6)

**Subject:** RFI-0209 Revised Black Beauty for flame Deflector (PAS1)

(b)(6) KTML-0209 Revised WP3 EMI-SK442

(b)(6) Senior CQC Manager Harry Pepper & Associates a EMCOR Company Stennis Space Center Cell (b)(6)

(b)(6) Phone (b)(6)



National Aeronautics and  
Space Administration  
John C. Stennis Space Center  
Stennis Space Center, MS 39529-6000

## REQUEST FOR INFORMATION

(Implemented by SOI-8040-0001-FACENG)

Request For Information (RFI) Number

RFI- 209

Date

9/11/14

Requestor

PASI of LA, Inc

Contract

NNS14AA30T

Question:

PASI of LA performed a trial blast on the flame bucket and collected the abrasive debris for TCLP-Pb analysis.

Analysis results of the abrasive debris produced a 4ppm TCLP-Pb which is under the EPA guideline for hazardous waste.

The Project Specifications for EMI441PFL00-02 Flame Deflector (200HF-GC02) in Section 09 97 13.00 40 part 2.1 states:

### 2.1 ABRASIVE BLASTING MATERIAL

Abrasive blasting materials shall be per SSPC A, Chapter 2.4, and SSPC AB-1, except that abrasive shall not contain silica. Abrasive blasting material shall be that such as Black Beauty manufacture by Reed Minerals or an approved equal.

Part 3.1.2 Abrasive Blasting (AB) states:

"Waste materials covered by this paragraph shall not include any material or residue from removal of coatings containing lead, chromium, cadmium, PCB, or any other hazardous material." It also states " The abrasive debris and shall be containerized and turned over to the COTR (Contracting Officers Technical Representative) for proper disposal.

Please confirm that the specified Black Beauty Abrasive may be used for the flame deflector and that NASA will provide containers and dispose of the non-hazardous waste.  
(TCLP-Pb analysis attached)

Answer:



4320 Midmost Drive Mobile, Alabama 36609  
Phone (251) 344-9106 Fax (251) 341-9492

Report Date: 10/24/14 11:02

Report To: Professional Applications Services, Inc.  
15525 Knox Drive  
Baton Rouge, LA 70817  
Attention: (b)(6)

Project: Stennis  
Project Number: Waste Profile - Flame Deflector

**ANALYTICAL REPORT**

This report includes the results of analyses for the samples listed below that were received by the laboratory on 10/13/14 07:30. If you have any questions concerning this report, please feel free to call (b)(6)

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Flame Deflector	14J0225-01	Solid	10/09/14 12:00	10/13/14 07:30

(b)(6)  
(b)(6) Project Manager



*The test results in this report meet NELAP requirements for accredited parameters, unless otherwise noted, and relate only to the sample(s) received by this laboratory. This report must be reproduced in its entirety unless approved by the laboratory.*

*Results are reported on a "wet weight basis", unless otherwise noted.*

Professional Applications Services, Inc.  
Stennis

Report Date: 10/24/14 11:02

Sample Name: Flame Deflector

Sample Type: Composite

Sample Date: 10/09/14 12:00

Date Received: 10/13/14 07:30

Sampled by: Client

Matrix: Solid

Analyte	Result	Units	Reporting			Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst	Prepared					
<i>TCLP Metals by 6000/7000 Series Methods</i>										
Lead	4.0	mg/L	0.05	ENC	10/16/14 09:12	10/17/14 00:40	EPA 6020 TCLP	4J16002	14J0225-01	



The test results in this report meet NELAP requirements for accredited parameters, unless otherwise noted, and relate only to the sample(s) received by this laboratory. This report must be reproduced in its entirety unless approved by the laboratory.

Results are reported on a "wet weight basis", unless otherwise noted.

Professional Applications Services, Inc.  
 Stennis

**CASE NARRATIVE**

The results presented in this report relate only to the sample(s) received on 10/13/2014 7:30:00 AM for Professional Applications Services, Inc. - 14J0225-01 . If you have any questions concerning this report, please contact (b)(6)

**Sample Receipt**

Sample receipt information, including documentation of any deviation(s) from sample receiving quality control acceptance criteria, is provided on attachments to the report including the Sample Receipt Checklist, Chain of Custody, and/or Field Data Sheet.

**Comments**

No additional comments.

**Explanation of qualified data in this report:**

U The compound was analyzed for but not detected.



*The test results in this report meet NELAP requirements for accredited parameters, unless otherwise noted, and relate only to the sample(s) received by this laboratory. This report must be reproduced in its entirety unless approved by the laboratory.*

*Results are reported on a "wet weight basis", unless otherwise noted.*

Professional Applications Services, Inc.

Stennis

**TCLP Metals by 6000/7000 Series Methods - Quality Control**

Analyte	RL	Units	Result	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch 4J16002 - EPA 6020 TCLP</b>										
<b>Blank (4J16002-BLK1)</b>				Prepared: 10/16/14 Analyzed: 10/17/14						
Lead	0.05	mg/L	ND							U
<b>LCS (4J16002-BS1)</b>				Prepared: 10/16/14 Analyzed: 10/17/14						
Lead	0.05	mg/L	0.2	0.200		108	80-120			
<b>LCS Dup (4J16002-BSD1)</b>				Prepared: 10/16/14 Analyzed: 10/17/14						
Lead	0.05	mg/L	0.2	0.200		110	80-120	2	20	
<b>Duplicate (4J16002-DUP1)</b>				Source: 14J0275-02 Prepared: 10/16/14 Analyzed: 10/17/14						
Lead	0.05	mg/L	ND		0.0002				20	U
<b>Matrix Spike (4J16002-MS1)</b>				Source: 14J0275-02 Prepared: 10/16/14 Analyzed: 10/17/14						
Lead	0.05	mg/L	1.1	1.00	0.0002	111	75-125			
<b>Matrix Spike Dup (4J16002-MSD1)</b>				Source: 14J0275-02 Prepared: 10/16/14 Analyzed: 10/17/14						
Lead	0.05	mg/L	1.1	1.00	0.0002	111	75-125	0.5	20	



The test results in this report meet NELAP requirements for accredited parameters, unless otherwise noted, and relate only to the sample(s) received by this laboratory. This report must be reproduced in its entirety unless approved by the laboratory.

Results are reported on a "wet weight basis", unless otherwise noted.

**ENVIROCHEM**  
Environmental Laboratories  
4320 Midmost Drive Mobile, AL 36609  
Tel: 251/344-9100 Fax: 251/344-9492

CLIENT Professional Application

PROJECT Stennis

Chain of Custody Record  
Agreement to Perform Services

ADDRESS 15525 Knox Dr

PO#

CITY/ST/ZIP Roton Rouge LA

METHOD OF DELIVERY:  UPS  FEDX  ECI PICK-UP  DROP OFF  BU  
 ECI SAMPLED  USPS  DROPOFF BOX LOCKED: Y N

LAB NO: 14J0225

PROJECT CONTACT: (b)(6)

\*SPECIFY ANALYTE LIST AND/OR METHOD  
TCLP-Pb only

TCLP  
METALS  
VOLATILES  
SEMI-VOL  
HERB  
PEST  
FLASHPOINT  
HAZ DH

ROUTINE TAT IS 10- WORKING DAYS. RUSH TAT REQUIRES APPROVAL AND MAY INCUR ADDITIONAL CHARGES  
 24 hrs  48 hrs  72 hrs  3 days Routine  
Approved by:

REPORT EMAILED TO: (b)(6)

INVOICE EMAILED TO:

Matrix Codes: A=Air B=Soil S=Soil G=Groundwater  
SW=Surface Water SPW=Surface Water RW=Wastewater  
OW=Drinking Water P=Part L=Liquid SLD=Solid

PRESERVATION/CONTAINERS FOR WATER SAMPLES	FIELD				PLASTIC										PLASTIC		GLASS		GLASS		STERILE		MISC																							
	Flow, mgd	Cl <sub>2</sub> , mg/l	pH, su	Temp, °C	NONE										H <sub>2</sub> SO <sub>4</sub>	NaCl	H <sub>2</sub> SO <sub>4</sub>	NONE	HCl	Na <sub>2</sub> SO <sub>4</sub>	MINI	TEST																								
SHADED AREAS FOR LAB USE ONLY	SAMPLE COLLECTION				ALKALINITY	BOD 5-DAY	BOD 20-DAY	CHLORIDE	NITRITE	NITRATE	Q-PROB	PH	SS	SULFATE	TDS	TSS	TURBIDITY	ZINC	COD	NITRATE	PHOSPHATE	PHOSPHATE	TOTAL PHOS	CYANIDE	CIN TOTAL	OL & GREASE	PARAFFIN	TOC	PAH	SEMI-METALS	TYPE	BETA	BETA	BETA	BETA	VOLATILES	CALIFORNIA	CALIFORNIA	ENTERIC	FECAL COLI	METALS	ASBESTOS				
01	Flame Detector	2	Solid	10/13/14																																										

SUBMITTAL OF SAMPLE(S) INDICATES THE CLIENT'S RECOGNITION AND ACCEPTANCE OF ENVIROCHEM'S TERMS AND CONDITIONS (ON BACK), UNLESS OTHERWISE AGREED TO IN WRITING BY BOTH PARTIES.

1. RELINQUISHED BY: (b)(6)	DATE/TIME: <u>10/13/14 0730</u>	SIGNATURE:	3. RELINQUISHED BY:	DATE/TIME:	SIGNATURE:	5. RELINQUISHED BY:	DATE/TIME:	SIGNATURE:
COMPANY: <u>PASS</u>	PRINT NAME:	COMPANY:	PRINT NAME:	COMPANY:	PRINT NAME:	COMPANY:	PRINT NAME:	COMPANY:
4. RECEIVED BY:	DATE/TIME: <u>10/13/14 0730</u>	SIGNATURE:	6. RECEIVED BY:	DATE/TIME:	SIGNATURE:	7. RECEIVED BY:	DATE/TIME:	SIGNATURE:
COMPANY:	PRINT NAME:	COMPANY:	PRINT NAME:	COMPANY:	PRINT NAME:	COMPANY:	PRINT NAME:	COMPANY:

COOLER TEMP: <u>7.9</u> °C	ICE PRESENT: Y (N)	DAMAGED CONTAINERS: Y (N)	CORRECTIVE ACTION TAKEN: Y N IF YES, EXPLAIN	PAGE
AIR BUBBLES PRESENT IN VOA VIALS: Y N (N/A)	HOLD TIME(S) EXCEEDED: Y N	PERSON CONTACTED:	DATE/TIME:	OF
CUSTODY SEALS INTACT: Y N (N/A)	DISCREPANCIES: Y N	CONTACTED BY:	PROCEED WITH WORK ORDER: Y N	
CORRECT CONTAINERS: (Y) N	pH CHECKED & ACCEPTABLE: Y N (N/A)			

**Bilbo, Sallie Nicole (SSC-IA00)**

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Thursday, November 13, 2014 10:26 AM  
**To:** Sanders, Claude B. (SSC-RA10); Carr, Katie (SSC-QA20)  
**Subject:** FCR's

Brennan/Katie,

With the understanding that Purchasing now has the following FCR's to process:

FCR-09, FCR-16, FCR-19, FCR-32, FCR-35, FCR-36, FCR-40

I wanted to identify FCR's which we should target for processing:

FCR-003	Price \$18,451.36	Revised Gov't est \$17,390	Recommendation-Accept As Is
FCR-004	Price \$73,445.97	Revised Gov't est \$45,419	Recommendation-offer \$55,000 w/o delay days
FCR-014	Price \$6,279	Revised Gov't est \$4,028	Recommendation-Delete painting-offer \$4,000
FCR-017	Price \$*1,917.23	Revised Gov't est \$27,917	Recommendation- Delete PASI blasting costs as unnecessary-offer \$15,000 w/ 15 days
FCR-018	Price \$52,096.83	Gov't est \$50,500	Recommendation-Accept As Is
FCR-041	Price \$28,498.55	Gov't est \$20,779	Recommendation-Requested contractor to price w/o 10 day delay-they have agreed to hold price and drop 10 day delay, offer \$28,498.55 w/o days
FCR-046	Price \$10,081.26	Gov't est \$11,060	Recommendation-Accept As Is
FCR-048	Price \$32,067.34	Gov't est \$ 31,012	Recommendation -Accept As Is

We will plan to meet with ICI next week to discuss several of their outstanding FCR's and possible solutions moving forward.

..... (b)(6)

(b)(6)  
FOSC -Construction Manager  
B-8000 2nd Floor  
phone: (b)(6)  
Cell: (b)(6)

**Bilbo, Sallie Nicole (SSC-IA00)**

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Tuesday, November 18, 2014 12:08 PM  
**To:** Sanders, Claude B. (SSC-RA10)  
**Cc:** Carr, Katie (SSC-QA20)  
**Subject:** FOR YOUR CONCURRENCE: Due 11/17: RFI 209 from HPA - B2 TS WP#3 - Replace Flame Deflector Back Wall Manifolds NNS14AA30T -SK441PFL00-02

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Tuesday, November 18, 2014 11:37 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** RE: Due 11/17: RFI 209 from HPA - B2 TS WP#3 - Replace Flame Deflector Back Wall Manifolds NNS14AA30T - SK441PFL00-02

(b)(6) the Contractor may use Black Beauty Abrasives as specified per Specification 200HF-GC02, Section 09 97 13.00 40, paragraph 2.1. With regards to the question about disposal of non-hazardous waste. Answer: The test results shows that the Contractor didn't test for Chromium. A full TCLP should've been tested on the samples, therefore the answer to the question depends on the results from the resubmitted test. If the test results return hazardous for any metals, the FOSC Construction Manager shall purchase the certified drums from the warehouse and the Contractor will be responsible for delivering the hazardous waste to B-2210 for proper disposal by FOSC IH. If it's non-hazardous, the Contractor shall deliver and disposed the debris in the SSC landfill. FOSC Industrial Hygiene Department will provide all labels for the drums.

Thanks,

(b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Wednesday, November 12, 2014 3:42 PM  
**To:** Carr, Katie (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Farner, Bruce R. (SSC-RA20); (b)(6) (SSC-RA10)[Prime Engineering & Architecture]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Gargiulo, Robert F. (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY

INC (SSC FOSC)]; Jacks, Thomas E. (SSC-EA32); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Kennedy, Carolyn D. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Le, Son K. (SSC-QA01); Maynard, Bryon Timothy (SSC-EA52); Mitchell, Jeffrey J. (SSC-QA00); Nugent, Nicholas J. (SSC-EA32); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Rauch, Richard T. (SSC-EA61); Rewis, Mike J. (SSC-QA10); Sanders, Claude B. (SSC-RA10) (b)(6) (SSC-BASTIONTECH)[Bastion Technologies, Inc.]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; ZERINGUE, CHRISTINA P. (SSC-QA20)

**Subject:** Due 11/17: RFI 209 from HPA - B2 TS WP#3 - Replace Flame Deflector Back Wall Manifolds NNS14AA30T - SK441PFL00-02

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



**From:** (b)(6)

**Sent:** Tuesday, November 11, 2014 2:24 PM

**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10)

(b)(6)

**Subject:** RFI-0209 Revised Black Beauty for flame Deflector (PASI)

(b)(6) XTML-0209 Revised WP3 EMI-SK442

(b)(6) Senior CQC Manager Harry Pepper & Associates a EMCOR Company Stennis Space Center Cell (b)(6)

(b)(6) Phone (b)(6)

**Bilbo, Sallie Nicole (SSC-IA00)**

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Wednesday, November 19, 2014 10:06 AM  
**To:** Sanders, Claude B. (SSC-RA10)  
**Cc:** Carr, Katie (SSC-QA20)  
**Subject:** FOR YOUR CONCURRENCE: Due 11/17: RFI 207 from HPA - B2 TS WP#3 Soft Core Painting NNS14AA30T -SL430WFB00-03

**Importance:** High

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Wednesday, November 19, 2014 8:49 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** RE: Due 11/17: RFI 207 from HPA - B2 TS WP#3 Soft Core Painting NNS14AA30T -SL430WFB00-03

(b)(6) when the top coat for the B2 Soft Core was changed from PPG PSX ONE to PPG PSX 700, the dry film thickness (DFT) also should have been changed from 2.0 – 3.0 mils to the manufacturer's recommended 5.0 – 6.0 mils. When the PSX 700 was applied, it inadequately covered the primer at the specified DFT of 2.0 – 3.0, therefore additional product had to be applied to adequately cover the primer. Because of my oversight of not changing the DFT, the Contractor is entitled to compensation to cover the additional cost for purchasing additional paint to achieve the manufacturer's recommended DFT of 5.0 – 6.0 mils.

(b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Thursday, November 13, 2014 8:06 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** FW: Due 11/17: RFI 207 from HPA - B2 TS WP#3 Soft Core Painting NNS14AA30T -SL430WFB00-03

(b)(6) – Please review and comment. The Contractor now wants to ask for more money for switching to the product that they suggested to us.

(b)(6)

Project Manager  
Jacobs Technology  
B-3226 Room A21  
Stennis Space Center, MS 39529

(b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]

**Sent:** Wednesday, November 12, 2014 3:38 PM

**To:** Carr, Katie (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-RA10)[Prime Engineering & Architecture]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Gargiulo, Robert F. (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Kennedy, Carolyn D. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Le, Son K. (SSC-QA01); Mitchell, Jeffrey J. (SSC-QA00); Nugent, Nicholas J. (SSC-EA32); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Rewis, Mike J. (SSC-QA10); Sanders, Claude B. (SSC-RA10); (b)(6) (SSC-BASTIONTECH)[Bastion Technologies, Inc.]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]

**Subject:** Due 11/17: RFI 207 from HPA - B2 TS WP#3 Soft Core Painting NNS14AA30T -SL430WFB00-03

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



**From:** (b)(6)

**Sent:** Friday, November 07, 2014 4:06 PM

**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10)

(b)(6)

**Subject:** RFI-0207 DFT coverage for soft core (PASI)

(b)(6) Attached is RFI-0207 WP3 EMI-SL430WFB00

(b)(6) Senior CQC Manager Harry Pepper & Associates a EMCOR Company Stennis Space Center Cell (b)(6)

(b)(6) Phone (b)(6)

**Bilbo, Sallie Nicole (SSC-IA00)**

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Tuesday, December 02, 2014 4:46 PM  
**To:** Sanders, Claude B. (SSC-RA10)  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Nugent, Nicholas J. (SSC-EA32); Carr, Katie (SSC-QA20); (b)(6) (SSC-JACOBS) [JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Carr, Katie (SSC-QA20)  
**Subject:** RE: Due 11/17: RFI 207 from HPA - B2 TS WP#3 Soft Core Painting NNS14AA30T - SL430WFB00-03  
**Attachments:** RFI 207 Question.pdf; Govt Cost Estimate.pdf

Government estimate for anticipated FCR related to RFI 207 (also attached) is attached.

(b)(6) estimates that it will take 130 gallons of PSX 700 to provide the additional millage required.

Thanks,

(b)(6)  
Project Manager  
Jacobs Technology  
B-3226 Room A21  
Stennis Space Center, MS 39529

(b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Wednesday, November 19, 2014 4:17 PM  
**To:** Sanders, Claude B. (SSC-RA10)  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Nugent, Nicholas J. (SSC-EA32); Carr, Katie (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** FW: Due 11/17: RFI 207 from HPA - B2 TS WP#3 Soft Core Painting NNS14AA30T-SL430WFB00-03

Recommended response: "Contractor shall apply the product per the manufacturer's instructions and to the DFT recommended by the manufacturer".

(b)(6) - Please prepare a Government Estimate since an FCR is anticipated.

Thanks,

(b)(6)  
Project Manager  
Jacobs Technology  
B-3226 Room A21  
Stennis Space Center, MS 39529

(b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Wednesday, November 12, 2014 3:38 PM

To: Carr, Katie (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) SSC-RA10][Prime Engineering & Architecture]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Gargiulo, Robert F. (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Kennedy, Carolyn D. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Le, Son K. (SSC-QA01); Mitchell, Jeffrey J. (SSC-QA00); Nugent, Nicholas J. (SSC-EA32); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Rewis, Mike J. (SSC-QA10); Sanders, Claude B. (SSC-RA10); (b)(6) (SSC-BASTIONTECH)[Bastion Technologies, Inc.]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]

Subject: Due 11/17: RFI 207 from HPA - B2 TS WP#3 Soft Core Painting NNS14AA30T -SL430WFB00-03

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



From: (b)(6)

Sent: Friday, November 07, 2014 4:06 PM

To: (b)(6) SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10)

(b)(6)

Subject: RFI-0207 DFT coverage for soft core (PASI)

(b)(6) Attached is RFI-0207 WP3 EMI-SL430WFB00

(b)(6) Senior CQC Manager Harry Pepper & Associates a EMCOR Company Stennis Space Center Cell (b)(6)

(b)(6) Phone (b)(6)



National Aeronautics and  
Space Administration  
John C. Stennis Space Center  
Stennis Space Center, MS 39529-6000

# REQUEST FOR INFORMATION

(Implemented by SOI-8040-0001-FACENG)

Request for Information (RFI) Number

RFI-0207

Date

11/7/14

Requestor

HPA/PASI

Contract

NNS14AA30T

**Question:**

EMI- SL430WFB00-03 Soft Core Painting

Subject: DFT coverage for Soft Core

Drawing: G-003

Specification: 200-H0GA04 Rev 1

Painting Specification 09 97 13 Coating Systems provides PSX One as the siloxane to be used for painting the soft core. Paragraph 3.2.1 General Requirements specifies to refer to the coating schedule on drawing G-003 which also states the use of PSX ONE. Paragraph 3.2.3 Dry Film Thickness specifies the dry film thickness shall meet the thickness provided on page G-003 (2.0-3.0 mils) of the drawings. Amendment #1 Question 51 confirms that PSX ONE should be used for the red color.

This PSX ONE siloxane product was "delayed in release to the market," so PSX 700 was suggested by the manufacturer, through direct communication with NASA (see attached letter).

When the approved Transmittal #112 Item 1: PASI Color Chart for Paint & Coatings was returned it had a drawing G-003 attached with a red circle and notation PSK 700. The dry film thickness (DFT) requirement remained unchanged @ 2.0-3.0 MILS.

Upon approval of PSX700 and application at the specified film thickness on drawing G-003, the manufacturer and contractor note that the product (at a DFT of 2-3 mils) did not adequately cover the primer. A dry film coat of 5-7 mils is recommended by the manufacturer to provide through coverage over the primer coat. This doubles the amount of paint required.

Please confirm we are to follow the manufacturers required dry film thickness, which will involve additional costs.

Answer:



PPG Industries, Inc.  
14084 Riverlake Dr.  
Covington, Louisiana 70435 USA

(b)(6)  
www.ppgmc.com

(b)(6)  
Protective Coatings Representative

October 27, 2014

Professional Application Services  
17745 Eaglewood Dr.  
Baton Rouge, LA 70810

Attention: (b)(6)

Reference: PPG PSX 700 Engineered Siloxane, NASA B-2 Test Stand Soft Core

Mark:

While on the jobsite Friday October 24, I witnessed the application of PSX 700 Red F/S 11105 over the Amercoat 68HS Zinc Rich Epoxy Primer. The product wet out properly and provided thorough coverage of the zinc primer when applied at a film thickness of 5.0 – 6.0 mils DFT (5.5 – 6.6 wet mils). This is the dry film thickness initially recommended to NASA for this product on the Soft Core area of the B-2 Test Stand.

PSX 700 is an epoxy based polysiloxane. For optimum coating system performance, the recommended Dry Film Thickness for PSX 700 when used in a coating system over epoxy or zinc rich primers is 5.0 – 7.0 mils. The high solids, epoxy based PSX 700 Polysiloxane has better wetting properties (coverage), especially over zinc primers in the 5.0 – 7.0 mil DFT range.

The specification for the NASA B-2 Test Stand Soft Core listed the PPG next generation Acrylic Polysiloxane, PSX ONE, which was one of the coating systems recommended for the Soft Core when I was initially working with the engineers. The PSX ONE product was delayed for release to the market and therefore the amended coating system utilizing PSX 700 was approved for the Soft Core. PSX ONE being an acrylic, thin film build product had a film thickness listed at 2.0 – 3.0 mils DFT. The required Dry Film Thickness for the approved change to the PSX 700 product is 5.0 – 6.0 mils and should have changed in conjunction with the amendment in materials.

Please let me know if we can be of further assistance.

Sincerely,

(b)(6)

Protective Coatings Representative

Cc: (b)(6) PASI  
(b)(6) PASI  
(b)(6) PPG Technical  
(b)(6) PPG



AMERCOAT

Page 32 redacted for the following reason:

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(b)(5)

**Bilbo, Sallie Nicole (SSC-IA00)**

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Friday, December 19, 2014 5:44 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6)  
(b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6)  
(b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)  
[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders,  
Claude B. (SSC-RA10); (b)(6) MANNION, AARON T. (SSC-RA10); Carr,  
Katie (SSC-QA20)  
**Subject:** Weekend Work Requirements 12/20 and 12/21

All HPA has requested to work this weekend in the following locations.

Saturday; December 20, 2014

RCE/HPA - Ground north side, level 16 corvette and dockside at Mercedes.  
HPA - Flame deflector north side.  
ICI - Ground north side, flame deflector south side, Level 11 south side  
PASI - Levels 11 through 19 south side containment.  
NOV/HPA - Derrick Crane

Sunday, December 21, 2014

NOV/HPA - Derrick Crane (tentative) will confirm by noon today.

Thanks for your continued support.

(b)(6) QCxP  
Construction Manager  
Jacobs  
Engineering Services Department  
Stennis Space Center, MS 39529  
Office (b)(6) Cell (b)(6)

This message is for the named person's use only. It may contain confidential, proprietary or legally privileged information. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this message in error, please immediately delete it and all copies of it from your system, destroy any hard copies of it and notify the sender. You must not, directly or indirectly, use, disclose, distribute, print, or copy any part of this message if you are not the intended recipient.

**Bilbo, Sallie Nicole (SSC-IA00)**

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Friday, January 16, 2015 12:34 PM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6)  
(b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Carr, Katie (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** Weekend Work

The following are the areas we will be working:

Saturday; January 17, 2015

RCE/HPA - Ground north side, level 16 corvette and dockside at H-stand.  
HPA - Flame deflector north side.  
ICI - Ground north side, flame deflector south side, Level 11 south side  
PASI - Level 11 South east corner  
PASI - Levels 11 through 19 south side Soft Core.  
Brand - South side Flame Deflector  
Doleac - South side Flame Deflector

Sunday, January 18, 2015 - Tentative

RCE/HPA - Ground north side, level 16 corvette and dockside at H-stand.  
HPA - Flame deflector north side.  
ICI - Ground north side, flame deflector south side, Level 11 south side  
PASI - Level 11 South east corner  
PASI - Levels 11 through 19 south side Soft Core.  
Brand - South side Flame Deflector  
Doleac - South side Flame Deflector

(b)(6)

**Jacobs**  
**BLDG. 8000**  
**Stennis Space Center, MS.**

(b)(6)

**Bilbo, Sallie Nicole (SSC-IA00)**

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Friday, February 06, 2015 10:31 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6)  
(b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6)  
(SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6)  
E. (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Carr, Katie (SSC-QA20);  
Sanders, Claude B. (SSC-RA10); (b)(6)  
(b)(6)  
**Subject:** Weekend work at the B-2 stand & H-dock

HPA has requested to work this weekend Saturday 2/7/15 and Sunday 2/8/15 on the B-2 in the following locations. Weekly hotwork permits are in place and FOSC safety will conduct the daily walk down, updating the green tag located at level 1 inside the main entrance.

**Saturday 2/7/15**

HPA - Level 11, The buck hoist, The 1300 crane, the picker crane at the H-Dock, Inside the battle ship on level 9.

ICI - Under the flame bucket, The ground North and East sides, Demo pipe on East side.

RCE - Ground North of stand, Level 16, H-dock.

DOLEAC- Under the flame bucket, Inside the battle ship, Level 11, Level 16.

PASI - South side of soft core level 11 - 18, Inside flame bucket, Ground on the North side of the stand, H-dock

**Sunday 2/8/15**

HPA- Will be installing bolts on level 11 on Sunday, The buck hoist, Inside the battle ship on level 9.

Thank you for your continued support

(b)(6) QCxP  
Construction Manager  
Jacobs  
Engineering Services Department  
Stennis Space Center, MS 39529  
Office (b)(6) Cell (b)(6)

**Bilbo, Sallie Nicole (SSC-IA00)**

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Wednesday, February 11, 2015 10:16 AM  
**To:** Carr, Katie (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[ERICA LANE ENTERPRISES (SSC)]; (b)(6) (SSC-RA10)[CDM-CH2M Hill JV]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Gargiulo, Robert F. (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Kennedy, Carolyn D. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; LAMONTE, JESSE M. (SSC-QA20) (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Le, Son K. (SSC-QA01); Mitchell, Jeffrey J. (SSC-QA00); Nugent, Nicholas J. (SSC-EA32); Rauch, Richard T. (SSC-EA01); Rewis, Mike J. (SSC-QA10); Sanders, Claude B. (SSC-RA10); (b)(6) (SSC-BASTIONTECH)[Bastion Technologies, Inc.]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** Due 2/18: Xmtl 280 from HPA - B2 TS WP#3 Soft Core Painting NNS14AA30T - SL430WFB00-03 Laboratory Certs  
**Attachments:** Xmtl 280 CS Item 1.pdf  
**Follow Up Flag:** Follow up  
**Due By:** Wednesday, February 18, 2015 1:00 PM  
**Flag Status:** Flagged

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



**From:** (b)(6)  
**Sent:** Wednesday, February 11, 2015 10:03 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Cc:** (b)(6) Sanders, Claude B. (SSC-RA10); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[ERICA LANE ENTERPRISES (SSC)]; (b)(6)  
**Subject:** Re: Wk Pkg 3- XTML 280- Laboratory Certs -FIO- (Pasi)  
(b)(6) work pkg 3 Emi SL430WFB00-03 Thank you, (b)(6) Regional Administrator Harry Pepper & Associates, Inc (b)(6)



National Aeronautics and  
Space Administration  
  
John C. Stennis Space Center  
Stennis Space Center, MS 39529-6000

## CONTRACTOR TRANSMITTAL SHEET

DATE February 11, 2015

SHEET  
1 OF 1

### SECTION I - REQUEST FOR APPROVAL *(To be Initiated by the Contractor)*

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR  
MANUFACTURER'S CERTIFICATES OF COMPLIANCE  
*(See Instructions on Reverse)*

CONTRACT NO.  NEW SUBMITTAL  
NNS14AA30T  
 RESUBMITTAL

TO (b)(6) FROM HARRY PEPPER & ASSOCIATES, INC. PREVIOUS TRANSMITTAL NO. (If Any) 0 TRANSMITTAL NO. 280

SPECIFICATION AND SECTION NO. *(Cover Only One Section With Each Transmittal)* PROJECT TITLE AND LOCATION  
200H0-GA04 02 08 50- Laboratory Certs (PASI) SL430WFB00-03 SOFT CORE PAINTING

ITEM NO. (a)	DESCRIPTION OF ITEM SUBMITTED (Type, Size, Model Number, etc.) (See Instruction No. 3) (b)	MANUFACTURER OF ITEM (See Instruction No. 8) (c)	NO OF COPIES (d)	CONTRACT REFERENCE DOCUMENT		VARIATION (See Instruction No. 6) (g)	ACTION CODE (See Instruction No. 9) (h)
				SPECIFICATION PARAGRAPH NO. (e)	DRAWING SHEET NO. (f)		
1	LABORATORY CERTIFICATES (FIO FOR PASI)	PASI	3	3.2.2	-	-	
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

REMARKS: 3 Hard Copies included. **\*\*FOR INFORMATION ONLY\*\*** (fio)

I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract drawings & specifications, except as stated:

(b)(6)

NAME AND SIGNATURE OF CONTRACTOR

### SECTION II - APPROVAL ACTION

ENCLOSURES RETURNED *(List by Item No.)* NAME, TITLE, AND SIGNATURE OF APPROVING AUTHORITY DATE

**Submittal Package:**  
**PASI – Laboratory Certificates**  
**(Section 02.08.50, paragraph 3.2.2)**

**FOR:**  
**B2 Test Stand Restoration – Work Package 3**  
**SL430WFB00-03**  
**Stennis Space Center, MS**

**CONTRACT NO. NNS14AA30T**

**Prepared By:**



**Harry Pepper and Associates, Inc.**  
**6406 N. 9<sup>th</sup> Avenue Suite A7**  
**Pensacola, Florida 32504**

**Submittal Package:**  
**PASI – Laboratory Certificates**  
**(Section 02.08.50, paragraph 3.2.2)**

**SUBMITTAL**  
**TABLE OF CONTENTS**

Tab 1 – PASI Laboratory Certificates

- For Information Only

**TAB 1 – Information Only – PASI Laboratory  
Certificates**



## Blood Lead Laboratories

[Last Updated: 01/27/2015]

### Laboratories Listed Alphabetically by Location

#### United States

##### Alabama

###### Lab Corp

(b)(6)  
1801 First Avenue South  
Birmingham, AL 35233-1935  
e-mail: (b)(6)

##### Arizona

###### Sonora Quest Laboratories

(b)(6)  
1255 West Washington  
Tempe, AZ 85281  
Phone: (b)(6)  
Fax: (b)(6)  
e-mail: (b)(6)

##### California

###### American Bio Clinical Laboratories

(b)(6)  
1201 North Main Street  
Los Angeles, CA 90012  
(b)(6)

###### BioData Medical Laboratory

(b)(6)  
4650 Arrow Highway, Suite B4, 5 & 6  
Montclair, CA 91763  
(b)(6)

###### BioReference Laboratories, Inc.

(b)(6) PhD, CLS, MT(ASCP), Laboratory Manager  
2605 S. Winchester Blvd.  
Campbell, CA 95008-5320  
(b)(6)  
e-mail: (b)(6)

###### California Dept. of Health

(b)(6)  
850 Marina Bay Parkway, Suite G365  
Richmond, CA 94804  
(b)(6)

###### Children's Hospital Los Angeles

Department of Pathology, Laboratory Medicine  
(b)(6)

##### Michigan

###### DMC University Laboratories

(b)(6)  
4201 St Antoine  
Detroit, MI 48201

###### McLaren Medical Laboratory

(b)(6)  
4000 S Saginaw Street  
Flint, MI 48507

(b)(6)  
e-mail: (b)(6)

###### Mich Dept of Community Health

Bureau of Laboratories  
(b)(6) Director  
Blood Lead Unit  
3350 North Martin Luther King Jr Blvd  
P.O. Box 30035  
Lansing, MI 48909

###### Regional Medical Laboratories

(b)(6)  
175 College Street  
Battle Creek, MI 49017

###### Sparrow Health System

Toxicology Testing Center  
St. Lawrence Campus  
(b)(6) PhD, Technical Director-Toxicology  
1210 W. Saginaw  
Lansing, MI 48915

(b)(6)  
e-mail: (b)(6)

###### Warde Medical Laboratory

(b)(6)  
5025 Venture Drive  
Ann Arbor, MI 48108  
(b)(6)

##### Minnesota

###### Mayo Clinic Rochester

Department of Laboratory Medicine and Pathology  
(b)(6)  
200 First Street SW

CENTERS FOR MEDICARE & MEDICAID SERVICES  
 CLINICAL LABORATORY IMPROVEMENT AMENDMENTS  
 CERTIFICATE OF ACCREDITATION

LABORATORY NAME AND ADDRESS

LABORATORY CORPORATION OF AMERICA HOLD  
 1801 FIRST AVE SOUTH  
 BIRMINGHAM, AL 35233

CLIA ID NUMBER

(b)(6)

EFFECTIVE DATE

04/28/2013

LABORATORY DIRECTOR

(b)(6)

EXPIRATION DATE

04/27/2015

Pursuant to Section 355 of the Public Health Services Act (42 U.S.C. 2634) as revised by the Clinical Laboratory Improvement Amendments (CLIA), the above named laboratory located at the address shown herein (and other approved locations) may accept human specimens for the purposes of performing laboratory examinations or procedures.

This certificate shall be valid until the expiration date above, but is subject to revocation, suspension, limitation, or other sanctions for violation of the Act or the regulations promulgated thereunder.



(b)(6)

(b)(6) Director  
 Division of Laboratory Services  
 Survey and Certification Group  
 Center for Medicare and State Operations

140 Ceris2\_033013

If you currently hold a Certificate of Compliance or Certificate of Accreditation, below is a list of the laboratory specialties/subspecialties you are certified to perform and their effective date:

<u>LAB CERTIFICATION (CODE)</u>	<u>EFFECTIVE DATE</u>	<u>LAB CERTIFICATION (CODE)</u>	<u>EFFECTIVE DATE</u>
BACTERIOLOGY (110)	07/24/1995	ANTIBODY TRANSFUSION (520)	07/22/2005
MYCOBACTERIOLOGY (115)	07/24/1995	ANTIBODY NON-TRANSFUSION (530)	07/24/1995
MYCOLOGY (120)	07/24/1995	ANTIBODY IDENTIFICATION (540)	07/24/1995
PARASITOLOGY (130)	07/24/1995	HISTOPATHOLOGY (610)	07/24/1995
VIROLOGY (140)	07/24/1995	CYTOLOGY (630)	04/30/2004
SYPHILIS SEROLOGY (210)	07/24/1995		
GENERAL IMMUNOLOGY (220)	07/24/1995		
ROUTINE CHEMISTRY (310)	07/24/1995		
URINALYSIS (320)	07/24/1995		
ENDOCRINOLOGY (330)	07/24/1995		
TOXICOLOGY (340)	03/29/2003		
HEMATOLOGY (400)	07/24/1995		
ABO & RH GROUP (510)	07/24/1995		

FOR MORE INFORMATION ABOUT CLIA, VISIT OUR WEBSITE AT [WWW.CMS.HHS.GOV/CLIA](http://WWW.CMS.HHS.GOV/CLIA)  
 OR CONTACT YOUR LOCAL STATE AGENCY. PLEASE SEE THE REVERSE FOR  
 YOUR STATE AGENCY'S ADDRESS AND PHONE NUMBER.  
 PLEASE CONTACT YOUR STATE AGENCY FOR ANY CHANGES TO YOUR CURRENT CERTIFICATE.



*Advancing Excellence*

**Accredited  
Laboratory**



# The College of American Pathologists

*certifies that the laboratory named below*

***Laboratory Corporation of America, Holdings  
Main Laboratory  
Birmingham, Alabama***

(b)(6)

LAP Number: (b)(6)

AU-ID: (b)(6)

CLIA Number: (b)(6)

*has met all applicable standards for accreditation and  
is hereby accredited by the College of American Pathologists'  
Laboratory Accreditation Program. Reinspection should occur prior  
to March 12, 2016 to maintain accreditation.*

Accreditation does not automatically survive a change in director, ownership,  
or location and assumes that all interim requirements are met.

*R. M. Scanlan*  
Chair, Commission on Laboratory Accreditation

*James E. Anderson, FCPQ*  
President, College of American Pathologists

*Alabama*

Certificate # 12160

STATE BOARD OF HEALTH

*This is to certify that a license is hereby granted by the State Board of Health to*

**LABORATORY CORPORATION OF AMERICA**

*to operate*

**LABORATORY CORPORATION OF AMERICA**

*as an*

**INDEPENDENT CLINICAL LABORATORY**

*This license is valid for the following location*

**1801 FIRST AVENUE, SOUTH • BIRMINGHAM, AL 35233**



**L3701**

Facility Identification

**2015**

This License shall expire December 31, 2015.

(b)(6)

State Health Officer

**Bilbo, Sallie Nicole (SSC-IA00)**

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Wednesday, February 25, 2015 7:55 AM  
**To:** Sanders, Claude B. (SSC-RA10)  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Carr, Katie (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** FW: Due 3/2: Xmtl 278A from HPA - B2 TS WP#3 Replace Flame Deflector Back Wall Manifolds NNS14AA30T -SK441PFL00-02 Product Data  
**Attachments:** Xmtl 278A CS Item 1.pdf; PDS AMERCOAT 861.pdf

Please see (b)(6) comments below on the subject transmittal.

Thanks,

(b)(6)  
Project Manager  
Jacobs Technology  
B-3226 Room A21  
Stennis Space Center, MS 39529

(b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Tuesday, February 24, 2015 3:29 PM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** FW: Due 3/2: Xmtl 278A from HPA - B2 TS WP#3 Replace Flame Deflector Back Wall Manifolds NNS14AA30T - SK441PFL00-02 Product Data

(b)(6), it is recommended to obtain approval from the Paint Manufacturer's Representative before approving the Amercoat 861. The HI-TEMP coatings 1072 and 1000VS aren't listed on the PDS as coatings that the Accelerator 861 can be added to.

Thanks,

(b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Monday, February 23, 2015 1:20 PM  
**To:** Carr, Katie (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[ERICA LANE ENTERPRISES (SSC)]; Farner, Bruce R. (SSC-RA20); (b)(6) (SSC-RA10)[Prime Engineering & Architecture]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Gargiulo, Robert F. (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Jacks, Thomas E. (SSC-EA32); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Kennedy, Carolyn D. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; LAMONTE, JESSE M. (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Le, Son K. (SSC-QA01); Maynard, Bryon Timothy (SSC-EA52); Mitchell, Jeffrey J. (SSC-QA00); Nugent, Nicholas J. (SSC-EA32); Rauch, Richard T. (SSC-EA61); Rewis, Mike J. (SSC-QA10); Sanders, Claude B. (SSC-RA10); (b)(6) (SSC-BASTIONTECH)[Bastion Technologies, Inc.]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; ZERINGUE, CHRISTINA P. (SSC-QA20)

Cc: (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]

Subject: Due 3/2: Xmtl 278A from HPA - B2 TS WP#3 Replace Flame Deflector Back Wall Manifolds NNS14AA30T - SK441PFL00-02 Product Data

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



From: (b)(6)

Sent: Monday, February 23, 2015 12:15 PM

To: (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[ERICA LANE ENTERPRISES (SSC)]

(b)(6)

Subject: XTML-278a Producta Data Coatings for Steel (PASI)

(b)(6) WP3 EMI-SK441PFL00 (b)(6) Senior CQC Manager Harry Pepper & Associates a EMCOR Company  
Stennis Space Center Cell (b)(6) Phone (b)(6)



National Aeronautics and  
Space Administration  
  
John C. Stennis Space Center  
Stennis Space Center, MS 39529-6000

## CONTRACTOR TRANSMITTAL SHEET

DATE February 23, 2015

SHEET  
1 OF 1

### SECTION I - REQUEST FOR APPROVAL *(To be Initiated by the Contractor)*

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR  
MANUFACTURER'S CERTIFICATES OF COMPLIANCE  
*(See Instructions on Reverse)*

CONTRACT NO. **NNS14AA30T**  
  
 NEW SUBMITTAL  
 RESUBMITTAL

TO <b>(b)(6)</b>	FROM <b>HARRY PEPPER &amp; ASSOCIATES, INC.</b>	PREVIOUS TRANSMITTAL NO. (If Any) <b>278</b>	TRANSMITTAL NO. <b>278a</b>
---------------------	--	---	--------------------------------

SPECIFICATION AND SECTION NO. <i>(Cover Only One Section With Each Transmittal)</i> <b>200HF-GC02/ 09 97 13.00 40 Product Data Coatings for Steel (PA</b>	PROJECT TITLE AND LOCATION <b>SK441PFL00-02 REPLACE FLAME DEFLECTOR BACK WALL MANIFOLDS</b>
--	--

ITEM NO. (a)	DESCRIPTION OF ITEM SUBMITTED (Type, Size, Model Number, etc.) (See Instruction No. 3) (b)	MANUFACTURER OF ITEM (See Instruction No. 8) (c)	NO OF COPIES (d)	CONTRACT REFERENCE DOCUMENT		VARIATION (See Instruction No. 6) (g)	ACTION CODE (See Instruction No. 9) (h)
				SPECIFICATION PARAGRAPH NO. (e)	DRAWING SHEET NO. (f)		
1	Product Data Amercoat 861 Accelerator	PPG	3	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

REMARKS: 3 Hard Copies included.	I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract drawings & <b>(b)(6)</b>  NAME AND SIGNATURE OF CONTRACTOR
----------------------------------	--

### SECTION II - APPROVAL ACTION

ENCLOSURES RETURNED <i>(List by Item No.)</i>	NAME, TITLE, AND SIGNATURE OF APPROVING AUTHORITY	DATE
---	---	------

**Submittal Package:**  
**Product Data – Coatings for Steel**  
**(Section 09 97 13.00 40, paragraph 1.3)**

**FOR:**  
**B2 Test Stand Restoration – Work Package 3**  
**SK441PFL00-02**  
**Stennis Space Center, MS**

**CONTRACT NO. NNS14AA30T**

**Prepared By:**



**Harry Pepper and Associates, Inc.**  
**6406 N. 9<sup>th</sup> Avenue Suite A7**  
**Pensacola, Florida 32504**

**Submittal Package:**  
**Product Data – Coatings for Steel**  
**(Section 09 97 13.00 40, paragraph 1.3)**

**SUBMITTAL**  
**TABLE OF CONTENTS**

**Tab 1 – SD:03 – Product Data**

- **Amercoat 861**

**TAB 1 – SD:03 Product Data – Amercoat 861  
Product Data**



# AMERCOAT® 861

April 2013  
Revision of March 2013

<b>DESCRIPTION</b>	Epoxy Accelerator
<b>PRINCIPAL CHARACTERISTICS</b>	<ul style="list-style-type: none"> <li>- Reduces curing times for epoxies</li> <li>- Allows for curing epoxies at lower temperatures</li> </ul>
<b>BASIC DATA</b>	
Components	1
Flash point	300°F
Addition Rate	1/4 pint - 1 pint of Amercoat 861 per 5 gallon kits of selected epoxy products (see chart below for addition rates for each product). Standard addition is 1/2 pint per 5-gallon kit. For 1 gallon mixtures, this equates to 1.6 fluid ounces or 3.2 tablespoons per gallon. Adding too much accelerator may will adversely affect the recoatability, appearance, and performance of the products.
Shelf Life*	5 years from date of manufacture <small>* When stored in original sealed containers in dry conditions between 40-100°F</small>

## INSTRUCTIONS FOR USE

1. Mix resin and cure thoroughly in accordance with the product's application instructions.
2. Do not add accelerator to light colors (such as Amerlock) where color is important. Accelerator will darken light colors.
3. Do not add accelerator to tank linings.
4. Never add accelerator to the epoxy component for storage.
5. Add Amercoat 861 to the products listed below:

Product	Addition Rate Per 5 gallons
Amerlock 400 / 400AL	½ - 1 pint per 5 gallons
Amercoat 370*	½ pint per 5 gallons
Amerlock 2*	½ pint per 5 gallons
Amercoat 399	½ pint per 5 gallons
Amercoat 68HS	¼ pint per 5 gallons or 3.2 fluid oz. per 4 gallons
Amercoat 78HB	¼ pint per 5 gallons
Other epoxies	Call PPG Technical Service

\* For non-immersion applications only. The accelerator will generally yield a 10-20% decrease in drying times. The pot life of Amerlock 2 will be extremely short at temperatures above 70°F.

6. Amercoat 861 may be used interchangeably with PPG 97-723 epoxy accelerator. 1/2 pint Amercoat 861 is substituted directly for.
7. Note that addition of Amercoat 861 will significantly shorten the pot life.

Limitations for use For Industrial or Professional Use Only

## AVAILABILITY

Packaging Available in 1/2 pint and 1 pint cans  
Product codes AT861

Worldwide statement While it is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.



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## AMERCOAT 861

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### WARRANTY STATEMENT

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product.

THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG.

Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

---

### LIMITATION OF LIABILITY

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT.

The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk.

PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product.

Current sheets for all PPG Protective & Marine Coatings Products are maintained at [www.ppgpmc.com](http://www.ppgpmc.com). The English text of this sheet shall prevail over any translation thereof.

---

**Bilbo, Sallie Nicole (SSC-IA00)**

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Wednesday, February 25, 2015 10:04 AM  
**To:** Sanders, Claude B. (SSC-RA10)  
**Cc:** Carr, Katie (SSC-QA20)  
**Subject:** FOR YOUR CONCURRENCE: Due 3/2: Xmtl 277A from HPA - B2 TS WP#3 Replace Flame Deflector Back Wall Manifolds NNS14AA30T -SK441PFL00-02 MSDS  
**Attachments:** Xmtl 277A CS Item 1.pdf; 277A.pdf  
**Importance:** High

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Wednesday, February 25, 2015 9:55 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** FW: Due 3/2: Xmtl 277A from HPA - B2 TS WP#3 Replace Flame Deflector Back Wall Manifolds NNS14AA30T - SK441PFL00-02 MSDS  
**Importance:** High

M/SDS C2291 AMERCOAT 861 ACCELERATOR PPG has been approved by Env/IH (b)(6) Entered into the M/SDS Contract Log Sheet.

Thanks,

(b)(6)

Environmental/IH  
Bldg. 1100 RM 209A

(b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Monday, February 23, 2015 1:20 PM  
**To:** Carr, Katie (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[ERICA LANE ENTERPRISES (SSC)]; Farner, Bruce R. (SSC-RA20); (b)(6) (SSC-RA10)[Prime Engineering & Architecture]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Gargiulo, Robert F. (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Jacks, Thomas E. (SSC-EA32); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Kennedy, Carolyn D. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)];

LAMONTE, JESSE M. (SSC-QA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Le, Son K. (SSC-QA01); Maynard, Bryon Timothy (SSC-EA52); Mitchell, Jeffrey J. (SSC-QA00); Nugent, Nicholas J. (SSC-EA32); Rauch, Richard T. (SSC-EA61); Rewis, Mike J. (SSC-QA10); Sanders, Claude B. (SSC-RA10); (b)(6) (SSC-BASTIONTECH)[Bastion Technologies, Inc.]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; ZERINGUE, CHRISTINA P. (SSC-QA20)  
Cc: (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
Subject: Due 3/2: Xmtl 277A from HPA - B2 TS WP#3 Replace Flame Deflector Back Wall Manifolds NNS14AA30T - SK441PFL00-02 MSDS

(b)(6)

Configuration Coordinator I  
Jacobs Technology  
Bldg. 8000 Rm. 202A8  
Stennis Space Center, MS 39529

(b)(6)



From: (b)(6)

Sent: Monday, February 23, 2015 12:05 PM

To: (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[ERICA LANE ENTERPRISES (SSC)]

(b)(6)

Subject: XTML-277a SDS Coatings for Steel (PASI)

(b)(6) Attached is XTML-277a WP3 EMI-SK441PFL00 (b)(6) Senior CQC Manager Harry Pepper & Associates a EMCOR Company Stennis Space Center Cell (b)(6) Phone (b)(6)



National Aeronautics and  
Space Administration  
  
John C. Stennis Space Center  
Stennis Space Center, MS 39529-6000

## CONTRACTOR TRANSMITTAL SHEET

DATE February 23, 2015

SHEET  
1 OF 1

### SECTION I - REQUEST FOR APPROVAL *(To be Initiated by the Contractor)*

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR  
MANUFACTURER'S CERTIFICATES OF COMPLIANCE  
*(See Instructions on Reverse)*

CONTRACT NO. 0 NEW SUBMITTAL  
  
NNS14AA30T  
  
 RESUBMITTAL

TO <span style="background-color: black; color: red; padding: 2px;">(b)(6)</span>	FROM HARRY PEPPER & ASSOCIATES, INC.	PREVIOUS TRANSMITTAL NO. (If Any) 277	TRANSMITTAL NO. 277a
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SPECIFICATION AND SECTION NO. <i>(Cover Only One Section With Each Transmittal)</i> 200HF-GC02/ 01 35 30 Coatings for Steel (PASI)	PROJECT TITLE AND LOCATION SK441PFL00-02 REPLACE FLAME DEFLECTOR BACK WALL MANIFOLDS
---	---

ITEM NO. (a)	DESCRIPTION OF ITEM SUBMITTED (Type, Size, Model Number, etc.) (See Instruction No. 3) (b)	MANUFACTURER OF ITEM (See Instruction No. 8) (c)	NO OF COPIES (d)	CONTRACT REFERENCE DOCUMENT		VARIATION (See Instruction No. 6) (g)	ACTION CODE (See Instruction No. 9) (h)
				SPECIFICATION PARAGRAPH NO. (e)	DRAWING SHEET NO. (f)		
1	SDS Amercoat 861 Accelerator	PPG	3	-	-	-	-
-	-	-	-	-	-	-	-
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REMARKS: 3 Hard Copies included.	I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract drawings & specifications, <del>except as stated</del>  <span style="background-color: black; color: red; padding: 2px;">(b)(6)</span> NAME AND SIGNATURE OF CONTRACTOR
----------------------------------	--

### SECTION II - APPROVAL ACTION

ENCLOSURES RETURNED <i>(List by Item No.)</i>	NAME, TITLE, AND SIGNATURE OF APPROVING AUTHORITY	DATE
---	---	------

**Submittal Package:**  
**MSDS – Coatings for Steel**  
**(Section 01 35 30, paragraph 1.3)**

**FOR:**  
**B2 Test Stand Restoration – Work Package 3**  
**SK441PFL00-02**  
**Stennis Space Center, MS**

**CONTRACT NO. NNS14AA30T**

**Prepared By:**



**Harry Pepper and Associates, Inc.**  
**6406 N. 9<sup>th</sup> Avenue Suite A7**  
**Pensacola, Florida 32504**

**Submittal Package:**  
**MSDS – Coatings for Steel**  
**(Section 01 35 30, paragraph 1.3)**

**SUBMITTAL**  
**TABLE OF CONTENTS**

Tab 1 – SD:03 - MSDS

- Amercoat 861 Accelerator

\*\* Product Data Approved on Submittal 278

**TAB 1 – SD:03 Product Data – Amercoat 861  
MSDS**

# Material Safety Data Sheet



Date of issue 4 February 2015  
Version 9

## 1. Product and company identification

**Product name** : AMERCOAT 861 ACCELERATOR  
**Code** : AT861  
**Supplier** : PPG Industries, Inc.  
One PPG Place  
Pittsburgh, PA 15272  
**Emergency telephone number** : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 (Mexico)  
**Technical Phone Number** : 888-977-4762

## 2. Hazards identification

**Emergency overview** : DANGER!  
CAUSES EYE AND SKIN BURNS. MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTION. MAY BE HARMFUL IF INHALED, ABSORBED THROUGH SKIN OR SWALLOWED. MAY CAUSE RESPIRATORY TRACT IRRITATION.  
Do not breathe vapor or mist. Do not swallow. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

### Potential acute health effects

**Inhalation** : May be harmful if inhaled. Moderately irritating to the respiratory system. Can irritate eyes, nose, mouth and throat. May cause sensitization by inhalation. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.  
**Ingestion** : May be harmful if swallowed. May cause burns to mouth, throat and stomach.  
**Skin** : Corrosive to the skin. Causes burns. Harmful in contact with skin. May cause an allergic skin reaction.  
**Eyes** : Corrosive to eyes. Causes burns.

### Over-exposure signs/symptoms

Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone.

**Medical conditions aggravated by over-exposure** : Pre-existing respiratory and skin disorders may be aggravated by over-exposure to this product.

This Material Safety Data Sheet has been prepared in accordance with Canada's Workplace Hazardous Materials Information System (WHMIS).

See toxicological information (Section 11)

### 3. Composition/information on ingredients

Name	CAS number	% (w/w)
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	60 - 100
bis(dimethylamino)methylphenol	71074-89-0	7 - 13

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Material Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.
- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

### 5. Fire-fighting measures

- Flammability of the product** : In a fire or if heated, a pressure increase will occur and the container may burst. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Hazardous combustion products** : Decomposition products may include the following materials:  
carbon oxides  
nitrogen oxides
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6. Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## 6. Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## 7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not breathe vapor or mist. Do not swallow. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Vapors are heavier than air and may spread along floors. Empty containers retain product residue and can be hazardous. Do not reuse container. If this material is part of a multiple component system, read the Material Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Do not store above the following temperature: 120F / 49C.

## 8. Exposure controls/personal protection

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
- Engineering measures** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Personal protection**
- Eyes** : Chemical splash goggles and face shield.

## 8 . Exposure controls/personal protection

- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Gloves** : nitrile, neoprene
- Respiratory** : By spraying: air-fed respirator. By other operations than spraying, in well ventilated areas, air-fed respirators could be replaced by a combination charcoal filter and particulate filter mask. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9 . Physical and chemical properties

- Physical state** : Liquid.
- Flash point** : Closed cup: 123.89°C (255°F)
- Material supports combustion.** : Yes.
- Color** : Brown.
- Odor** : Not available.
- pH** : Not available.
- Boiling/condensation point.** : >37.78°C (>100°F)
- Melting/freezing point** : Not available.
- Specific gravity** : 0.97
- Density ( lbs / gal )** : 8.1
- Vapor pressure** : 0 kPa (0 mm Hg) [room temperature]
- Vapor density** : Not available.
- Volatility** : 0% (v/v), 0% (w/w)
- Evaporation rate** : 0 (butyl acetate = 1)
- Solubility** : Insoluble in the following materials: cold water.
- Partition coefficient: n-octanol/water** : Not available.
- % Solid. (w/w)** : 100

## 10 . Stability and reactivity

- Stability** : Stable under recommended storage and handling conditions (see Section 7).
- Conditions to avoid** : No specific data.
- Materials to avoid** : Reactive or incompatible with the following materials: oxidizing materials, strong acids, strong alkalis
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Hazardous polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.

**11 . Toxicological information****Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
4,4,6-tris(dimethylaminomethyl)phenol	LD50 Oral LD50 Dermal	Rat Rabbit	1200 mg/kg 1.28 g/kg	- -

**Conclusion/Summary** : Not available.

**Chronic toxicity**

**Conclusion/Summary** : Not available.

**12 . Ecological information**

**Environmental effects** : No known significant effects or critical hazards.

**13 . Disposal considerations**

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

**14. Transport information**

	<b>TDG</b>	<b>Mexico</b>	<b>IMDG</b>
<b>UN number</b>	3066	3066	3066
<b>UN proper shipping name</b>	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
<b>Transport hazard class(es)</b>	8	8	8
<b>Packing group</b>	III	III	III
<b>Environmental hazards</b>	No.	No.	No.
<b>Marine pollutant substances</b>	Not applicable.	Not applicable.	Not applicable.

**Additional Information**

**TDG** : None identified.

**Mexico** : None identified.

**IMDG** : None identified.

## 14. Transport information

**Special precautions for user** : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## 15. Regulatory information

**United States inventory (TSCA 8b)** : All components are listed or exempted.  
**Australia inventory (AICS)** : All components are listed or exempted.  
**Canada inventory (DSL)** : All components are listed or exempted.  
**China inventory (IECSC)** : All components are listed or exempted.  
**Europe inventory (REACH)** : Please contact your supplier for information on the inventory status of this material.  
**Japan inventory (ENCS)** : All components are listed or exempted.  
**Korea inventory (KECI)** : All components are listed or exempted.  
**New Zealand (NZIoC)** : All components are listed or exempted.  
**Philippines inventory (PICCS)** : All components are listed or exempted.

### Canada

**WHMIS (Canada)** : Class E: Corrosive liquid. Class D-2A: Material causing other toxic effects (Very toxic).  
 Class D-2B: Material causing other toxic effects (Toxic).

### Mexico

#### Classification

**Flammability** : 1    **Health** : 3    **Reactivity** : 0

## 16. Other information

### Hazardous Material Information System (U.S.A.)

**Health** : 3 \*    **Flammability** : 1    **Physical hazards** : 0

(\* ) - Chronic effects

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)

**Health** : 3    **Flammability** : 1    **Instability** : 0

**Date of previous issue** : 3/12/2014.

**Organization that prepared the MSDS** : EHS

☛ Indicates information that has changed from previously issued version.

### Disclaimer

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*

Received 2-23-2015 GAVE TO ENVIH TO APPROVE



National Aeronautics and  
Space Administration  
John C. Stennis Space Center  
Stennis Space Center, MS 39529-6000

### CONTRACTOR TRANSMITTAL SHEET

DATE February 23, 2015

SHEET  
1 OF 1

#### SECTION I - REQUEST FOR APPROVAL (To be initiated by the Contractor)

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR  
MANUFACTURER'S CERTIFICATES OF COMPLIANCE  
(See Instructions on Reverse)

CONTRACT NO.  
NNS14AA30T

NEW SUBMITTAL

RESUBMITTAL

TO  
(b)(6)

FROM  
HARRY PEPPER & ASSOCIATES, INC.

PREVIOUS TRANSMITTAL NO. (If Any)  
277

TRANSMITTAL NO.  
277a

SPECIFICATION AND SECTION NO. (Cover Only One Section With Each Transmittal)  
200HF-GC02/ 01 35 30 Coatings for Steel (PASI)

PROJECT TITLE AND LOCATION  
SK441PFL00-02 REPLACE FLAME DEFLECTOR BACK WALL MANIFOLDS

ITEM NO. (a)	DESCRIPTION OF ITEM SUBMITTED (Type, Size, Model Number, etc.) (See Instruction No. 3) (b)	MANUFACTURER OF ITEM (See Instruction No. 8) (c)	NO OF COPIES (d)	CONTRACT REFERENCE DOCUMENT		VARIATION (See Instruction No. 6) (g)	ACTION CODE (See Instruction No. 9) (h)
				SPECIFICATION PARAGRAPH NO. (e)	DRAWING SHEET NO. (f)		
C2291	SDS Amercoat 861 Accelerator	PPG	3	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

REMARKS: 3 Hard Copies included.  
Item # C2291 — 13 M.L. Stewart

I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract drawings & specifications, except as stated.  
(b)(6)  
NAME AND SIGNATURE OF CONTRACTOR

#### SECTION II - APPROVAL ACTION

ENCLOSURES RETURNED (List by Item No.)

NAME, TITLE, AND SIGNATURE OF APPROVING AUTHORITY

DATE

## Bilbo, Sallie Nicole (SSC-IA00)

---

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Sent:** Wednesday, July 29, 2015 1:43 PM  
**To:** (b)(6)  
**Cc:** Sanders, Claude B. (SSC-RA10); Mitchell, Jeffrey J. (SSC-QA00); (b)(6)  
**Subject:** RE: NACE Inspection South side Soft Core

(b)(6) on 6/8/15 a visual inspection was performed on the previous blasted surfaces performed by PASI. The inspection revealed that re-blasting was required. It is possible that the time between the shutdown and re-start of the operation is the cause for the surfaces to be re-blasted.

(b)(6)

**From:** (b)(6)  
**Sent:** Wednesday, July 29, 2015 11:22 AM  
**To:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Cc:** Sanders, Claude B. (SSC-RA10); Mitchell, Jeffrey J. (SSC-QA00); (b)(6)  
**Subject:** RE: NACE Inspection South side Soft Core

(b)(6)

What HPA is trying to establish is why the area in the south side of the soft core level 15 through to the roof. Had to blasted and primed again

Was it because of the time between the first inspections with PASI and reinspection would prevented the application of the top coating.

HPA needs some type of documentation that reflects this problem.

(b)(6)

**From:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)] (b)(6)  
**To:** Ed Jacobson <ejacobson@hpepper.com>  
**Cc:** (b)(6), "Mitchell, Jeffrey J. (SSC-QA00)" <Jeffrey.J.Mitchell@nasa.gov>, "Sanders, Claude B. (SSC-RA10)" <claudesanders@nasa.gov>  
**Date:** 07/29/2015 09:00 AM  
**Subject:** RE: NACE Inspection South side Soft Core

---

(b)(6) the surface profile and dry film thickness of the primer was checked, however because of the downtime which prevented the application of the top coating, we want to check the surface before the top coat application begins..

Thanks

(b)(6)

**From:** (b)(6)

Sent: Wednesday, July 29, 2015 5:12 AM

To: [REDACTED] SSC-JACOBS][JACOBS TECHNOLOGY INC (SSC FOSC)]

Cc: [REDACTED] (b)(6)

Subject: NACE Inspection South side Soft Core

[REDACTED] (b)(6)

As we discussed yesterday.

HPA would like to know what NACE inspections did you get done for PASI on levels 15 thru to the Roof.

This would have been done for the primer that they installed.

Please E-mail me your reports

I will be leaving later this afternoon so please copy [REDACTED] (b)(6)  
Her E-mail address is in the Cc of this E-mail.

Your assistance with this issue would be appreciated.

Thank you [REDACTED] (b)(6)

[REDACTED] (b)(6)

Senior CQC Manager  
Harry Pepper & Associates  
a EMCOR Company  
Stennis Space Center

[REDACTED] (b)(6)

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