

**Edge, Jason F. (SSC-DA00)**

---

**From:** [REDACTED] (b)(6)  
**Sent:** Monday, January 26, 2015 2:38 PM  
**To:** KIMBROUGH, KENNETH L. (SSC-DA20)  
**Subject:** Re: PASI [REDACTED] (b)(6)

Ken,  
I had the 1:00 PM small business thing then as soon as I came back I walked into to an unplanned meeting with Jason Edge, Robert Gargulio, Brennan and NASA safety on lead paint compliance and the supervisor with PASI is walking down the work area with NASA safety. I won't be able to get the paperwork from him on [REDACTED] (b)(6) until after that.  
I'll get it to you as soon as I can.  
Chip

From: "KIMBROUGH, KENNETH L. (SSC-DA20)" <kenneth.l.kimbrough@nasa.gov>  
To: [REDACTED] (b)(6)  
Cc: [REDACTED] (b)(6)  
Date: 01/26/2015 11:51 AM  
Subject: PASI [REDACTED] (b)(6)

[REDACTED] (b)(6) Good morning! I have to write a memo for record on the employee who was laid off / terminated back on January 12<sup>th</sup>. I have the safety stand down sheets you provided when we all meet on the 12<sup>th</sup> to discuss some FCR's. I have the individuals name as [REDACTED] (b)(6) I believe he was making claims about safety issues and lead abatement. Any help is appreciated

KEN

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



January 27, 2015

Reply to Attn of: **Office of Procurement**

Harry Pepper & Associates, Inc.  
9000 Regency Square Blvd, Suite 100  
Jacksonville, FL 32211-8115

**SUBJECT:** Partial Suspension of Work for the Multiple Award Construction Contract (MACC) NNS12AA77B, Task Order NNS14AA30T, for Work Package #3 on Stennis Space Center

This office has been made aware of some potential serious environmental concerns/violations. During the walk down yesterday several housekeeping and hygiene issues were noted in the decontamination and clean room areas. This morning Robert Gargiulo of the NASA Safety office via email requested some supporting documentation from Harry Pepper. As a result of these potential environmental concerns/violations, and in accordance with Contract clause 52.242-14 Suspension of Work, Harry Pepper must stop work on tasks encompassing removal/abatement on structures containing Lead Based Paint (LBP) on Work Package #3 until the following requested documentation is provided and verified by NASA:

1. PASI's Mississippi certification as a LBP abatement firm (This is a SSC and Mississippi Department of Environmental Quality (MDEQ) requirement. MDEQ has reciprocity with some other states).
2. The MDEQ certifications for the following employees and positions. (MDEQ has reciprocity with some other states)
  - LBP abatement supervisor
  - LBP abatement workers (the training/certificates in Xmtl 114 were provided by Mark Michels; however, Mark Michels is not authorized to provide this level of training per the Society for Protective Coatings (SSPC) who certified him as an LBP Supervisor.)
3. Accreditation for the laboratory(ies) analyzing the area, personnel and Blood Lead Level samples (HPA/PASI is using a different lab from the one provided in their approved plan).

Our focus/goal is to ensure the safety and health of the HPA/PASI workers, ensure the safety and health of the other work force at B-2 and to ensure compliance with NASA, state and federal requirements. I am requesting that you provide the requested documentation no later than January 28, 2015. If you have any questions, please feel free to call me at 228-688-2346.



Jason Edge  
Contracting Officer

*Acknowledged:*

(b)(6)

*1-27-2014*



28 January 2015

HPA-036

Mr. Ken L. Kimbrough  
Contracting Officer  
John C. Stennis Space Center  
Stennis Space Center, MS 39529-6000

Subject: B2 Test Stand Restoration Work Package 3  
Task Order: NNS14AA30T  
Partial Suspension of Work

Dear Mr. Kimbrough:

Harry Pepper and Associates, Inc. (HPA) is in receipt of NASA's correspondence dated 27 January 2015 issuing a partial suspension of work. In that correspondence NASA also requested several pieces of information that we must obtain from our disadvantage business enterprise subcontractor performing the work, PASI of LA, Inc. (PASI).

HPA has requested the information from PASI and will provide it to NASA immediately upon receipt. Should you have any questions regarding this matter please contact me.

Sincerely,

HARRY PEPPER & ASSOCIATES, INC.

(b)(6)

Senior Project Manager

Area Office  
6706 N. 9<sup>th</sup> Avenue • Suite A-7  
Pensacola, FL 32504  
Phone: 850-471-9590 • Fax: 850-741-9592

Corporate Office  
9000 Regency Square Boulevard • Suite 100  
Jacksonville, FL 32211  
Phone: 904-721-3300 • Fax: 904-721-5222

**Edge, Jason F. (SSC-DA00)**

---

**From:** Sanders, Claude B. (SSC-RA10)  
**Sent:** Wednesday, January 28, 2015 9:40 AM  
**To:** Edge, Jason F. (SSC-DA00); KIMBROUGH, KENNETH L. (SSC-DA20); Gargiulo, Robert F. (SSC-QA20)  
**Subject:** FW: B2 Test Stand WP 3 - Partial Suspension of Work

Jason, Ken and Robert,

For clarification, some of the blast media has leaked out of the containment and needs to be cleaned up to prevent the spread of it. They are doing the right thing in cleaning this up asap.

Brennan

**From:** (b)(6)  
**Sent:** Wednesday, January 28, 2015 9:38 AM  
**To:** Sanders, Claude B. (SSC-RA10)  
**Cc:** (b)(6) Edge, Jason F. (SSC-DA00); (b)(6) KIMBROUGH, KENNETH L. (SSC-DA20); Gargiulo, Robert F. (SSC-QA20); (b)(6)  
**Subject:** RE: B2 Test Stand WP 3 - Partial Suspension of Work

Brennan,

Receipt acknowledged.

Clean up of blast media using PASI personnel is halted. Clean-up work will immediately resume utilizing ADS abatement contractor personnel under the continued oversight of our third party IH firm until all lead contaminated blast media is recovered, placed in containers and properly labeled for disposal in the NASA facility.  
Thanks

(b)(6)  
Area Manager  
HPA

**From:** "Sanders, Claude B. (SSC-RA10)" <claud.b.sanders@nasa.gov>  
**To:** (b)(6)  
**Cc:** (b)(6); (b)(6); (b)(6); "KIMBROUGH, KENNETH L. (SSC-DA20)" <kenneth.l.kimbrough@nasa.gov>; "Edge, Jason F. (SSC-DA00)" <jason.f.edge@nasa.gov>; (b)(6); (b)(6); "Gargiulo, Robert F. (SSC-QA20)" <robert.f.gargiulo@nasa.gov>  
**Date:** 01/28/2015 09:16 AM  
**Subject:** RE: B2 Test Stand WP 3 - Partial Suspension of Work

(b)(6)

I have not been able to reach Jason for clarification on the suspension of work, so I cannot tell you if this work is allowed. My advice would be to stop all work related detailed in the suspension of work until clarification is received.

Thanks,

Brennan

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

**Sent:** Wednesday, January 28, 2015 8:07 AM

**To:** Sanders, Claude B. (SSC-RA10)

**Cc:** (b)(6) KIMBROUGH, KENNETH L. (SSC-DA20); Edge, Jason F. (SSC-DA00); (b)(6)

**Subject:** B2 Test Stand WP 3 - Partial Suspension of Work

Brennan,

To confirm, HPA is in receipt of the partial suspension of work for painting operations involving PASI, our DBE painting subcontractor. Abrasive blasting operations had been halted by HPA safety, prior to the suspension, as a result of lead samples above the action level taken by our third party Industrial Hygienist. At the time that the partial suspension was received, PASI was cleaning up, addressing decon. facility issues and modifying their containment only. PASI halted all work at the time that the suspension was received but this morning has resumed clean up only. They will clean up and contain blast media only but remove no more paint until the partial suspension is lifted.

Please let us know if this does not meet the conditions of the suspension of work.

Thank you

(b)(6)

Area Manager

HPA

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**Edge, Jason F. (SSC-DA00)**

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**Sent:** Wednesday, January 28, 2015 8:07 AM  
**To:** Sanders, Claude B. (SSC-RA10)  
**Cc:** (b)(6); KIMBROUGH, KENNETH L. (SSC-DA20); Edge, Jason F. (SSC-DA00); (b)(6)  
**Subject:** B2 Test Stand WP 3 - Partial Suspension of Work

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Area Manager  
HPA

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National Aeronautics and  
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Stennis Space Center, MS 39529-6000



January 28, 2015

Reply to Attn of: **Office of Procurement**

Harry Pepper & Associates, Inc.  
9000 Regency Square Blvd, Suite 100  
Jacksonville, FL 32211-8115

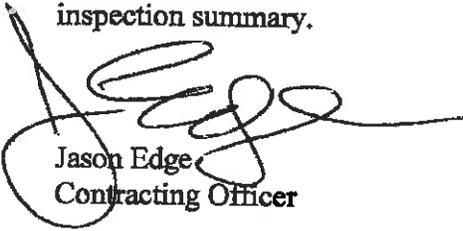
**SUBJECT: NASA Task Order NNS14AA30T, Occupational Health Concerns**

NASA is in the process of performing a review of your lead based paint (LBP) activities on the referenced Task Order and identified several areas of concern. A review of your Lead Based Paint Abatement plan (Transmittal 114) identified Harry Pepper & Associates (HPA) and their subcontractor Professional Application Services Inc. (PASI) may not be compliant with NASA contractual requirements, specifically section 02 82 33.13 20 "Removal/Control and Disposal of Paint with Lead".

Please provide the following documentation:

1. PASI's certification as a LBP abatement firm.
2. Certifications for the following employee/positions:
  - a. LBP Abatement Supervisor (signed and dated by the authorized training provider meeting 40 CFR 745 Subpart L)
  - b. LBP abatement workers (signed and dated by the authorized training provider meeting 40 CFR 745 Subpart L).
3. Accreditation of the 40 CFR 745 Subpart L training provider
4. Accreditation for the laboratory(ies) analyzing the area, personnel and Blood Lead Level (BLL) samples
5. Area sample results inside and outside the containment/regulated area
6. Initial and subsequent occupational exposure data for each tasked based operation
7. Proof HPA/PASI is providing the sample results (area, personal and BLL) to the workers within 5 working days of receipt of the results

SSC SMA personnel found PASI employees using "Great Stuff", an insulating foam product containing isocyanates, which requires submittal of a waiver and subsequent approval from NASA for each specific use. HPA and their subcontractors shall stop all use of this product until the proper documentation is submitted and approved by NASA per contract requirements. Please address the concerns identified during the walk down on January 26, 2015 per the attached inspection summary.

  
Jason Edge  
Contracting Officer

**INSPECTION SUMMARY**  
**B-2 Test Stand Restoration, Work Package #3**

Harry Pepper & Associates, Inc.

**Purpose:** Conduct an inspection of B-2 Test Stand Lead-Based Paint Removal and Abatement work area; identify potential safety and health hazards associated with the work being completed

**Background:** The inspection was conducted by NASA Safety and Mission Assurance (SMA) and NASA Industrial Hygiene (IH) at the B-2 Test Stand (Building 4221) on January 26, 2015. The inspectors were accompanied by Harry Pepper & Associates (HPA) Safety, Professional Application Services, Inc. (PASI) Program Manager, and OHC Environmental Engineering, Inc. during the course of the inspection.

**Investigation Results:** This inspection resulted in multiple concerns in the following classification areas:

- PPE (Respiratory Protection and Fall Protection)
- Housekeeping/Material Storage

Respirators were found improperly stored inside of the decontamination area. Despite the noticeable air ventilation, the clean room had excessive amounts of dirt and debris. The hand wash station was inoperable during the time of inspection. Tool bags and tools were found in the clean area with visible dust. A fall protection harness was found hanging outside of the containment area with dust on it. Air sampling cartridges were also found inside of the clean room. Appendix A provides the objective evidence associated with the concerns identified during the inspection.

**Outcome:** The aforementioned safety and health hazards identified during the inspection must be addressed prior to remobilization for Work Package #3.

Attachment

1.

**APPENDIX A – Investigation Results**

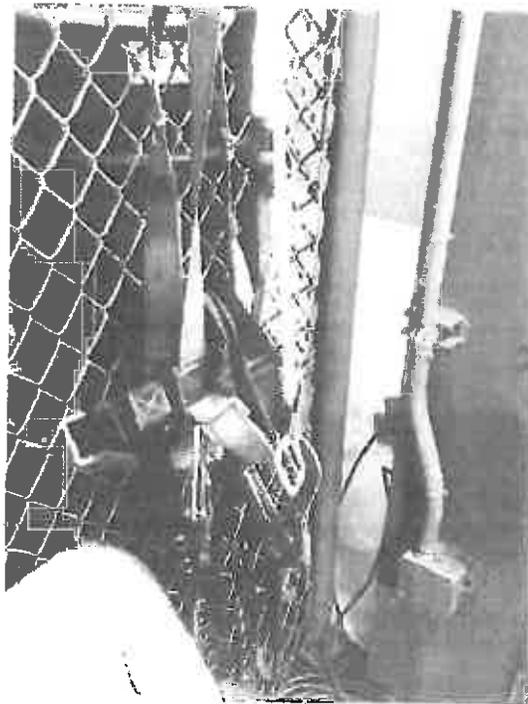


**Attachment 1.** This picture shows a vented-hood respirator being improperly stored inside of the decontamination area.

Attachment

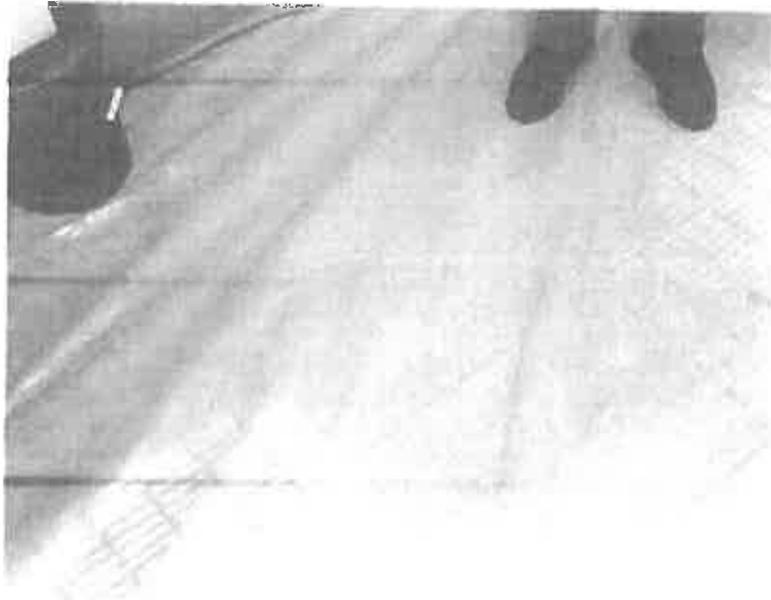


**Attachment 2.** The harness pictured above was located outside of the containment area.



## Attachment

**Attachment 3.** The harness was found outside of the decontamination area with excessive amounts of debris and dust.

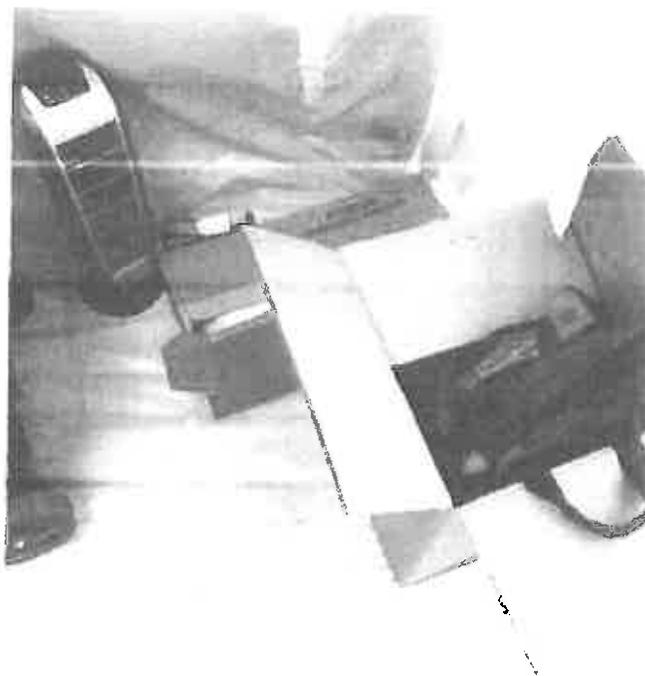


**Attachment 4.** The "clean room" had large amounts of dirt tracked across the floor.

Attachment

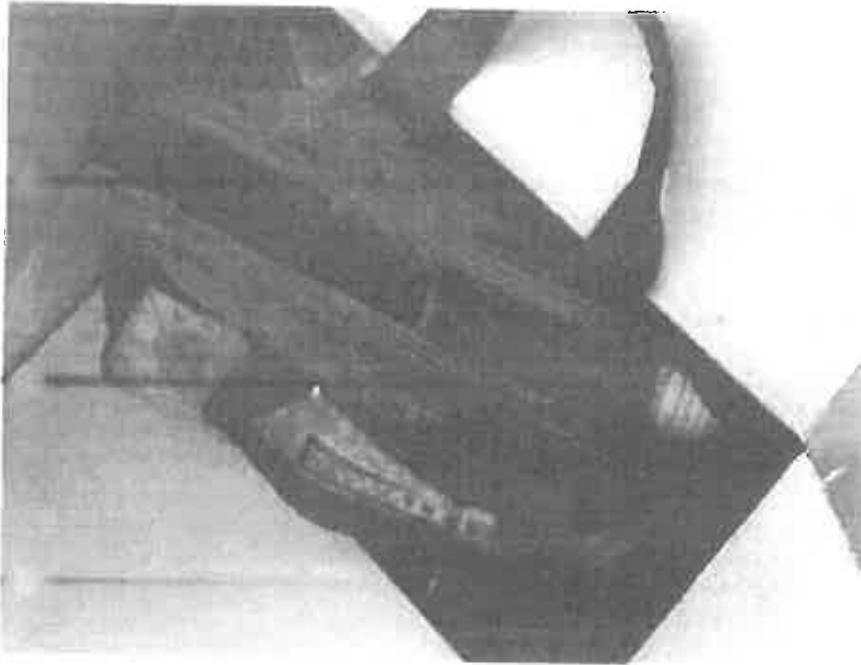


**Attachment 5.** The “clean room” had contaminates being tracked from the decontamination room.

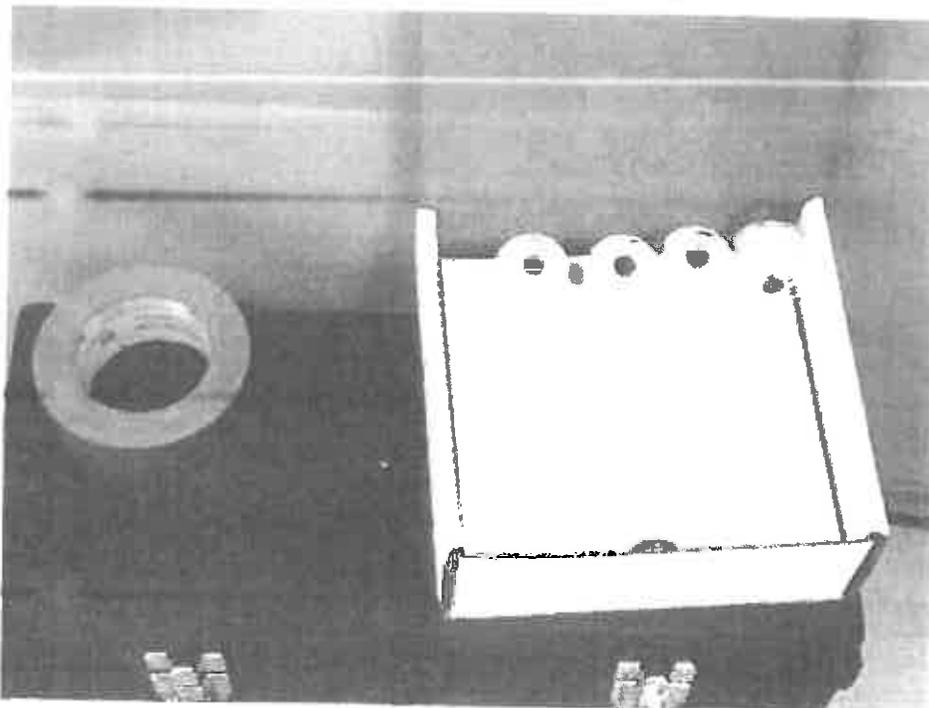


**Attachment 6.** This picture shows a tool bag being stored in the “clean room”

Attachment



**Attachment 7.** This close-up view of the tool bag shows the dirt and debris being introduced to the "clean room".



**Attachment 8.** The materials being stored in the white box above are air sampling cartridges. This box of materials was also found in the "clean room".

Attachment



**Attachment 9.** The hand wash station pictured above was inoperable during the inspection.

**Edge, Jason F. (SSC-DA00)**

---

**From:** [REDACTED] (b)(6)  
**Sent:** Wednesday, January 28, 2015 10:17 AM  
**To:** Edge, Jason F. (SSC-DA00)  
**Cc:** [REDACTED] (b)(6) Sanders, Claude B. (SSC-RA10); [REDACTED] (b)(6) KIMBROUGH, KENNETH L. (SSC-DA20); Gargiulo, Robert F. (SSG-QA20); [REDACTED] (b)(6)  
**Subject:** RE: B2 Test Stand WP 3 - Partial Suspension of Work

Thank you sir,  
We are proceeding accordingly.

[REDACTED] (b)(6)

---

From: "Edge, Jason F. (SSC-DA00)" <jason.f.edge@nasa.gov>  
To: [REDACTED] (b)(6) "Sanders, Claude B. (SSC-RA10)" <claudesanders@nasa.gov>  
Cc: [REDACTED] (b)(6); [REDACTED] (b)(6); [REDACTED] (b)(6) "KIMBROUGH, KENNETH L. (SSC-DA20)" <kenneth.l.kimbrough@nasa.gov>, "Gargiulo, Robert F. (SSC-QA20)" <robert.f.gargiulo@nasa.gov>, [REDACTED] (b)(6); [REDACTED] (b)(6)  
Date: 01/28/2015 10:02 AM  
Subject: RE: B2 Test Stand WP 3 - Partial Suspension of Work

Clean up by PASI can continue ONLY if the blast media was NOT used on lead based paint. If the blast media was used on lead based paint, then clean up cannot be performed by PASI, since they are not certified to perform such work.

*Jason Edge  
Associate Procurement Officer  
National Aeronautics and Space Administration  
John C. Stennis Space Center  
Stennis Space Center, MS 39529  
228-688-2346*

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Brennan,  
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Thanks

(b)(6)  
Area Manager  
HPA

**From:** "Sanders, Claude B. (SSC-RA10)" <claude.b.sanders@nasa.gov>  
**To:** (b)(6)  
**Cc:** (b)(6); (b)(6) "KIMBROUGH, KENNETH L. (SSC-DA20)"  
<kenneth.l.kimbrough@nasa.gov>, "Edge, Jason F. (SSC-DA00)" <jason.f.edge@nasa.gov> (b)(6); (b)(6) "Gargiulo, Robert F. (SSC-QA20)"  
<robert.f.gargiulo@nasa.gov>  
**Date:** 01/28/2015 09:16 AM  
**Subject:** RE: B2 Test Stand WP 3 - Partial Suspension of Work

(b)(6)

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Brennan

**From:** [REDACTED] (b)(6)

**Sent:** Wednesday, January 28, 2015 8:07 AM

**To:** Sanders, Claude B. (SSC-RA10)

**Cc:** [REDACTED] (b)(6); KIMBROUGH, KENNETH L. (SSC-DA20); Edge, Jason F. (SSC-DA00); [REDACTED] (b)(6)

**Subject:** B2 Test Stand WP 3 - Partial Suspension of Work

Brennan,

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Thank you

[REDACTED] (b)(6)

Area Manager

HPA

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**Edge, Jason F. (SSC-DA00)**

---

**From:** Gargiulo, Robert F. (SSC-QA20)  
**Sent:** Thursday, January 29, 2015 11:29 AM  
**To:** Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6)  
**Cc:** SOUTHERS, ROBERT L. (SSC-QA10); Wright, Katrina L. (SSC-RA02); Baldwin, Arnold B. (JSC-NT411); Stewart, Marcia L. (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** NASA IH visit to B-2 LBP containment area

Jason, Brennan and Ken:

Per our conversations this morning, we are going to have (b)(6) FOSC CIH and the SSC LBP Program manager, inspect/visit the LBP abatement area at 12:30 today. (b)(6) is trained and qualified to enter the regulated containment area. He will bring his own PPE (HEPA respirator)The purpose is to review the regulated area, decontaminant and clean area to identify any areas for improvement to protect worker safety and health.

The point of contact with HPA is (b)(6). I spoke to him earlier and he agreed to meet (b)(6) at the west side entrance.

Robert F. Gargiulo

**Robert F. Gargiulo**  
SMA Test Operations Support Lead  
SSC Safety & Mission Assurance (QA-20)  
Office: 228-688-3842  
Cell: 228-344-8664  
Fax: 228-688-3587  
*MISSION FIRST, SAFETY ALWAYS!!!*

**Edge, Jason F. (SSC-DA00)**

---

**From:** (b)(6)  
**Sent:** Monday, February 09, 2015 3:17 PM  
**To:** Edge, Jason F. (SSC-DA00)  
**Cc:** KIMBROUGH, KENNETH L. (SSC-DA20); Sanders, Claude B. (SSC-RA10); Carr, Katie (SSC-QA20)  
**Subject:** B2 Test Stand Work Package 3 Lead Based Paint

Mr. Edge,

I just wanted to give you a quick update on the status of the partial suspension of Work.

PASI is still in process of assembling the required training certs to allow our IH to complete the addendum to the Lead Work Plan for submission to NASA to address the deficiencies.

We expect that to be completed this week. The addendum will have much more stringent requirements such as full time third party oversight.

Our response time is running longer than we would like but the additional training courses from an outside party, for the workers, took a little time.

We will get the response to you once our third party IH approves the action plan.

Thank you

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**Edge, Jason F. (SSC-DA00)**

---

**From:** Edge, Jason F. (SSC-DA00)  
**Sent:** Tuesday, February 10, 2015 7:34 AM  
**To:** (b)(6)  
**Cc:** KIMBROUGH, KENNETH L. (SSC-DA20); Sanders, Claude B. (SSC-RA10); Carr, Katie (SSC-QA20)  
**Subject:** RE: B2 Test Stand Work Package 3 Lead Based Paint

Thanks (b)(6) stay on it and hopefully you will be back to work soon.

Jason

**From:** (b)(6)  
**Sent:** Monday, February 09, 2015 3:17 PM  
**To:** Edge, Jason F. (SSC-DA00)  
**Cc:** KIMBROUGH, KENNETH L. (SSC-DA20); Sanders, Claude B. (SSC-RA10); Carr, Katie (SSC-QA20)  
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National Aeronautics and  
Space Administration  
**John C. Stennis Space Center**  
Stennis Space Center, MS 39529-6000



February 12, 2015

Reply to Attn of: **Office of Procurement**

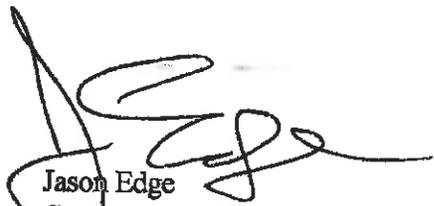
Harry Pepper & Associates, Inc.  
9000 Regency Square Blvd, Suite 100  
Jacksonville, FL 32211-8115

**SUBJECT: Partial Suspension of Work for the Multiple Award Construction Contract (MACC) NNS12AA77B, Task Order NNS14AA30T, for Work Package #3 on Stennis Space Center**

The purpose of this letter is to update the partial suspension of work that was issued on January 27, 2015. Yesterday, NASA received an analysis from International Asbestos Testing Laboratories (IATL) which showed elevated lead limits beyond EPA standards at several test locations on the B Test Stand. As a result, via email Harry Pepper was notified by myself that NASA was having a NASA Safety Stand Down to access the severity of the situation.

Today, NASA had a third party testing lab taking samples in numerous areas of the Test Stand to access the exposure area. Until this data is received and understood in accordance with the Contract Clause 52.242-14, Suspension of Work, no work may take place on or in the B Test Stand until the partial suspension of work is lifted. We anticipate that the first results of the test samples will be received late tomorrow and we will share the results with Harry Pepper once they are received. Again, until the partial suspension of work is lifted, no work can take place in or on the B Test Stand. If Harry Pepper has work off the test stand they may still perform that work.

Also, the documentation that was requested in our January 27, 2015 partial suspension of work letter has still not been received. Please provide the required data as soon as possible to assist NASA in returning Harry Pepper to work. Our focus/goal is to ensure the safety and health of all workers at the B Test Stand and to ensure compliance with NASA, state and federal requirements. I ask that Harry Pepper work with NASA Safety office and our NASA IH office once results are received and perform any and all cleanup operations that may be required as quickly as possible. If you have any questions, please feel free to call me at 228-688-2346.

  
Jason Edge  
Contracting Officer

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



February 12, 2015

Reply to Attn of: **Office of Procurement**

Harry Pepper & Associates, Inc.  
9000 Regency Square Blvd, Suite 100  
Jacksonville, FL 32211-8115

**SUBJECT: Partial Suspension of Work for the Multiple Award Construction Contract (MACC) NNS12AA77B, Task Order NNS15AA03T, for Work Package #4 on Stennis Space Center**

The purpose of this letter is to issue a partial suspension of work in accordance with the Contract Clause 52.242-14, Suspension of Work for any and all work on the B Test Stand effective February 12, 2015. Yesterday, NASA received an analysis from International Asbestos Testing Laboratories (IATL) which showed elevated lead limits beyond EPA standards at several test locations on the B Test Stand. As a result, via email Harry Pepper was notified by myself that NASA was having a NASA Safety Stand Down to access the severity of this situation.

Today, NASA has a third party testing lab taking samples in numerous areas of the Test stand to access the exposure area. Until this data is received and understood no work may take place on or in the B Test Stand until the partial suspension of work is lifted. We anticipate that the first results of the test samples will be received late tomorrow and we will share the results with Harry Pepper once they are received. Again, until the partial suspension of work is lifted, no work can take place in or on the B test stand. If Harry Pepper has work off the test stand they may still perform that work.

Our focus/goal is to ensure the safety and health of all workers at the B Test Stand and to ensure compliance with NASA, state and federal requirements. If you have any questions, please feel free to call me at 228-688-2346.

  
Jason Edge  
Contracting Officer

National Aeronautics and  
Space Administration  
John C. Stennis Space Center  
Stennis Space Center, MS 39529-8000



February 13, 2015

Reply to Attn of: **Office of Procurement**

Harry Pepper & Associates, Inc.  
9000 Regency Square Blvd, Suite 100  
Jacksonville, FL 32211-8115

**SUBJECT: Partial Suspension of Work for the Multiple Award Construction Contract (MACC) NNS12AA77B, Task Order NNS14AA30T, for Work Package #3 on Stennis Space Center**

This letter is a follow up to the partial suspension of work issued February 12, 2015. You are advised that, due to this suspension, no employees are to enter the B Test Stand for any reason unless expressly authorized by a NASA Contracting Officer or the cognizant Contracting Officer's Representative (COR). Should access be necessary, submit a request for access to the COR.

Attached to this letter is a one page information sheet which was provided to NASA employees today regarding the closure of the B Test Stand. Feel free to share this information with your employees.

Please acknowledge receipt of this notice by executing the "Acknowledgement of Receipt" block herein and returning a copy of the acknowledgement letter to this office. If you have any questions, you may call me at 228-688-2346.

  
Jason Edge  
Contracting Officer

**ACKNOWLEDGEMENT OF RECEIPT OF**  
Task Order No. NNS14AA30T, Partial Suspension of Work Update

BY:

(b)(6)

(Printed Name)

DATE: 2/13/2015

**Edge, Jason F. (SSC-DA00)**

---

**From:** (b)(6)  
**Sent:** Friday, February 13, 2015 3:50 PM  
**To:** Edge, Jason F. (SSC-DA00); KIMBROUGH, KENNETH L. (SSC-DA20); Kooamphorn, Dao (SSC-DA10)  
**Cc:** Sanders, Claude B. (SSC-RA10)  
**Subject:** B2 Test Stand Work Package 3 & 4  
**Attachments:** (b)(6) Lead Inspector certification.pdf

Mr Edge,

This will serve to request access to the Test Stand B for (b)(6) with OHC, our third party IH firm for these projects.

(b)(6) needs access to conduct air sampling and wipe testing to help us be in position to respond to the lead clean up effort as soon as approved by NASA.

Attached is Mark's Lead Inspector Certification in the state of Mississippi.

Please advise if this is acceptable.

We will have 16 trained and certified abatement workers in the area Monday AM going through Gulf Coast Safety training, etc. in preparation of beginning clean up efforts as soon as their certifications are approved, scope of work is determined and we are approved to begin lead clean up, by NASA. We will have as many more personnel as necessary following that.

I've got a call into Robert Gargulio to discuss and coordinate.

Thank you,

(b)(6)  
HPA

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.

# CERTIFICATE OF COMPLETION

Center for Continuing Education

(b)(6)

(b)(6)

has attended and satisfactorily completed course exam with a passing score of 70% or better

Lead Inspector Initial

U.S. EPA 40 CFR Part 745



**MISSISSIPPI STATE  
UNIVERSITY**

**EXTENSION SERVICE**

(b)(6)

CERTIFICATE NUMBER

February 11, 2018

EXPIRATION DATE

(b)(6)

February 11, 2015

EXAMINATION DATE

February 09-11, 2015

COURSE DATE(S)



MDHEQ MDEQ Accredited Training Provider

**Edge, Jason F. (SSC-DA00)**

---

**From:** (b)(6)  
**Sent:** Friday, February 13, 2015 6:10 PM  
**To:** Edge, Jason F. (SSC-DA00)  
**Cc:** Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20); (b)(6)  
**Subject:** B2 Test Stand Work Package 3  
**Attachments:** HPA Letter in response to NASA Letter of 1.28.2015.pdf

Mr Edge,  
Attached is HPA's response to NASA's inspection concerns included in NASA letter of 1/28/2015.  
The use of "Great Stuff" also address in this letter is not allowed on SSC and use of this product will not be repeated.  
This has been dealt with in action by HPA's safety department including re-training the subcontractor on the use of Material Safety Data Sheets including having an approved MSDS prior to bringing any products on SSC. The MSDS would not have been approved and the product would not have been brought on site if the proper procedure were followed.  
Please let me know if you have any questions.  
Signed original forthcoming.  
Thank you ,  
(b)(6)  
HPA

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.



**Harry Pepper  
& Associates**  
*An EMCOR Company*  
Harry Pepper and Associates, Inc.  
4202 Saturn Drive  
Stennis Space Center, MS 39529

February 13, 2015

Mr. Jason Edge  
Contracting Officer

Re: HPA/PASI Response to Occupational Health Concerns dates January 28, 2015

Dear Mr. Edge,

In response to your letter dated January 28, 2015 HPA and PASI of LA have been collecting all the documents required in order to adequately respond to your concerns

Item I- PASI's certification as a LBP abatement firm.

*The certification for PASI of LA is attached in appendix A*

Item 2- Certification of the following employees/positions:

- a. LBP abatement supervisor- Appendix B
- b. LBP abatement workers- Appendix G

Item 3- Accreditation of the training provider- attached in appendix C

Item 4- Accreditation of the laboratory analyzing area and personnel samples and BLL  
OHC uses EMSL laboratory for the analysis of area and personnel samples. PASI uses Lab Corp in Birmingham, Alabama for the BLL sampling who are listed on the OSHA website as accredited lab for BLL testing. Attached in appendix D

Item 5- Area samples results inside and outside the containment/regulated area  
appendix E

Item 6- Initial and subsequent initial exposure data- Same as item 5 above.

Item 7- Proof of HPA/PASI is providing sample results to workers within 5 working days.

All the test results are posted at the clean room upon receipt from the lab. In addition PASI notified each worker exposed above the PEL individually, notification letters attached in Appendix F.

Sincerely,  
Harry Pepper & Associates

(b)(6)

Sr. Project Manager



5420 Bay Center Dr. Suite 100  
Tampa, FL 33609  
Phone: 813.626.8156  
Fax: 813.623.6702  
[www.ohcnet.com](http://www.ohcnet.com)

**Table of Content**

**Response to NASA Letter.....1**

**Appendix A- PASI's certification as a LBP abatement firm**

**Appendix B- LBP abatement supervisor**

**Appendix C- Accreditation of the training provider**

**Appendix D- Accreditation of the laboratory analyzing area and personnel samples and BLL**

**Appendix E- Area samples results inside and outside the containment/regulated area**

**Appendix F- Employee Notification**

**Appendix G- Worker Certification**

**Appendix A**

**PASI's certification as a LBP abatement firm**

# *State of Mississippi*

*Department of Environmental Quality  
Office of Pollution Control*

## *Certificate of Licensure*

In accordance with the Lead-Based Paint Activity Accreditation and Certification Act,  
Mississippi Code Annotated Sections 49-17-501 through 49-17-531

Be it known that

### *Professional Application Services of LA, Inc.*

Having submitted acceptable evidence of qualifications and other  
appropriate information, is hereby granted this

### *Lead Based Abatement Firm Certification*

(b)(6)

*Certificate No.: PBF-00006511  
Expiration Date: Jan 28th, 2016*

*Chief, Asbestos & Lead Certification Branch*

**Appendix B**  
**LBP abatement supervisor**

# BRANDT INSTRUMENTS, INC.

## Environmental and Safety Training

Certifies that

(b)(6)

PASI of LA, Inc.  
15525 Knox Drive  
Baton Rouge, LA 70817

has attended and passed an examination of the course entitled  
**Supervision of Lead Abatement Projects Initial  
32.0 Hours**

held February 9-12, 2015  
exam given on February 12, 2015

(b)(6)

Instructor

Coordinator: Brandt Instruments, Inc.  
18568 Oak Grove Pkwy. Prairieville, LA 70769  
(b)(6) Fax: 225-673-6725

*"Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001, 15 U.S.C. 2615) and (R.S. 30:2025), I certify that this training complies with all applicable requirements of TSCA Title IV, 40 CFR, Part 745, LAC Title 33, Part III.2805, Chapter 1.C of the Miss. Code 49-17-501 through 49-17-531 for accreditation, Alabama Lead Reduction Act 1997-Revised, No. 97-553 Chapter 822-X-1, and the Texas Environmental Lead Reduction Rules, Section 295.204"*

Louisiana Training Provider #6TP118242 Expiration: 1-13-16  
Texas Training Provider #20451 Expiration: 7-21-16  
Alabama Training Provider Expiration: 6-01-15

(b)(6)  
Certificate: (b)(6)

**BRANDT INSTRUMENTS, INC.**



Environmental  
and  
Safety Training

**Appendix C**  
**Accreditation of the training provider**

**STATE OF LOUISIANA**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**

certifies that

***Brandt Instruments Inc***

**Has complied with all requirements of the Louisiana Department of Environmental Quality  
and is authorized to perform the duties of**

**Lead Training Provider: Inspector - Initial, Inspector - Refresher, Project Designer - Initial, Project  
Designer - Refresher, Worker - Initial, Worker - Refresher, Project Supervisor - Initial, Project Supervisor -  
Refresher, Risk Assessor - Initial, Risk Assessor - Refresher**

**Accreditation No. 5TP118242**

**AI No. 118242**

**Date of Issuance January 13, 2014**

**Expiration January 13, 2015**

**Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)  
may result in civil and/or criminal enforcement actions by the State.**

**(b)(6)**

**Public Participation & Permit Support Division  
Office of Environmental Services**

## **Appendix D**

### **Accreditation of the laboratory analyzing area and personnel samples and BLL**



**AIHA**

Laboratory Accreditation Programs, LLC

**AIHA Laboratory Accreditation Programs, LLC**

*acknowledges that*

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Laboratory ID: 163563

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

**LABORATORY ACCREDITATION PROGRAMS**

- INDUSTRIAL HYGIENE
- ENVIRONMENTAL LEAD
- ENVIRONMENTAL MICROBIOLOGY
- FOOD
- UNIQUE SCOPES

Accreditation Expires:  
 Accreditation Expires: 09/01/2015  
 Accreditation Expires: 09/01/2015  
 Accreditation Expires:  
 Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website ([www.aihaaccreditedlabs.org](http://www.aihaaccreditedlabs.org)) for the most current Scope.



(b)(6)

*Chairperson, Analytical Accreditation Board*



(b)(6)

*Managing Director, AIHA Laboratory Accreditation Programs, LLC*

Revision 13: 03/12/2013

Date Issued: 07/31/2013



## AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

**EMSL Analytical, Inc.**  
5125 Adanson Street, Suite 900, Orlando, FL 32804

Laboratory ID: **163563**  
Issue Date: 07/31/2013

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

### Environmental Microbiology Laboratory Accreditation Program (EMLAP)

**Initial Accreditation Date: 09/01/2006**

<b>EMLAP Category</b>	<b>Field of Testing (FoT)</b>	<b>Method</b>	<b>Method Description (for internal methods only)</b>
<b>Fungal</b>	<b>Air - Culturable</b>	SOP M005	Standard Operating Procedure for the Analysis of Bulk Specimens or Swabs For Fungi by Culture on Agar Plates and The Analysis of Fungi From Air Samples Collected on Agar Plates
	<b>Bulk - Culturable</b>	SOP M005	Standard Operating Procedure for the Analysis of Bulk Specimens or Swabs For Fungi by Culture on Agar Plates and The Analysis of Fungi From Air Samples Collected on Agar Plates
	<b>Surface - Culturable</b>	SOP M005	Standard Operating Procedure for the Analysis of Bulk Specimens or Swabs For Fungi by Culture on Agar Plates and The Analysis of Fungi From Air Samples Collected on Agar Plates
	<b>Air - Direct Examination</b>	05-TP-003.5	Standard Operating Procedure for the Analysis of Airborne Fungal Spores, Hyphal Fragments, Pollen, Insect Fragments, Skin Fragments and Fibrous Particulate by Optical Microscopy of Spore Trap Samples
	<b>Bulk - Direct Examination</b>	SOP M041	Standard Operating Procedure for the Microscopic Examination of Surface Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Material from Surface Samples
	<b>Surface - Direct Examination</b>	SOP M041	Standard Operating Procedure for the Microscopic Examination of Surface Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Material



A complete listing of currently accredited Environmental Microbiology laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>



## 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 602-685-5028  
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)  
Fax: 810-396-5704  
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)  
Fax: 517-364-7401  
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

## **Appendix E**

### **Area samples results inside and outside the containment/regulated area**



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

Report Date: 07/29/14 14:53

Report To: PASI  
P.O. Box 170  
Fairhope, AL 36532  
Attention: (b)(6)

Project: Misc  
Project Number: Stennis

### ANALYTICAL REPORT

This report includes the results of analyses for the samples listed below that were received by the laboratory on 07/18/14 10:00. If you have any questions concerning this report, please feel free to call Ron Burkett at (251) 344-9106.

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
West	14G0356-01	Paint	07/18/14 00:00	07/18/14 10:00
North	14G0356-02	Paint	07/18/14 00:00	07/18/14 10:00
South	14G0356-03	Paint	07/18/14 00:00	07/18/14 10:00
East	14G0356-04	Paint	07/18/14 00:00	07/18/14 10:00
West Top	14G0356-05	Paint	07/18/14 00:00	07/18/14 10:00

(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.

PASI  
Misc

Report Date: 07/29/14 14:53

Sample Name: West

Sample Type: Composite

Sample Date: 07/18/14 00:00

Date Received: 07/18/14 10:00

Sampled by: Client

Matrix: Paint

Analyte	Result	Units	Reporting		Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst						
<b>Metals by EPA 6000/7000 Series Methods</b>										
Lead	247	mg/kg	93.0	ENC	07/22/14 14:11	07/22/14 15:57	EPA 7000B	4G22027	14G0356-01	
<b>Classical Chemistry Parameters</b>										
% Solids	100	%		JLM	07/24/14 14:40	07/24/14 14:40	% Calculation	4G24025	14G0356-01	

Sample Name: North

Sample Type: Composite

Sample Date: 07/18/14 00:00

Date Received: 07/18/14 10:00

Sampled by: Client

Matrix: Paint

Analyte	Result	Units	Reporting		Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst						
<b>Metals by EPA 6000/7000 Series Methods</b>										
Lead	217	mg/kg	99.8	ENC	07/22/14 14:11	07/22/14 15:57	EPA 7000B	4G22027	14G0356-02	
<b>Classical Chemistry Parameters</b>										
% Solids	100	%		JLM	07/24/14 14:40	07/24/14 14:40	% Calculation	4G24025	14G0356-02	

Sample Name: South

Sample Type: Composite

Sample Date: 07/18/14 00:00

Date Received: 07/18/14 10:00

Sampled by: Client

Matrix: Paint

Analyte	Result	Units	Reporting		Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst						
<b>Metals by EPA 6000/7000 Series Methods</b>										
Lead	480	mg/kg	97.8	ENC	07/22/14 14:11	07/22/14 15:57	EPA 7000B	4G22027	14G0356-03	
<b>Classical Chemistry Parameters</b>										
% Solids	100	%		JLM	07/24/14 14:40	07/24/14 14:40	% Calculation	4G24025	14G0356-03	

*below 5000 is below EPA Guide line*

Sample Name: East

Sample Type: Composite

Sample Date: 07/18/14 00:00

Date Received: 07/18/14 10:00

Sampled by: Client

Matrix: Paint

Analyte	Result	Units	Reporting		Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst						
<b>Metals by EPA 6000/7000 Series Methods</b>										
Lead	2840	mg/kg	1830	ENC	07/22/14 14:11	07/22/14 15:57	EPA 7000B	4G22027	14G0356-04	
<b>Classical Chemistry Parameters</b>										
% Solids	100	%		JLM	07/24/14 14:40	07/24/14 14:40	% Calculation	4G24025	14G0356-04	



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.

PAS1  
Misc

Report Date: 07/29/14 14:53

Sample Name: West Top

Sample Type: Composite

Sample Date: 07/18/14 00:00

Data Received: 07/18/14 10:00

Sampled by: Client

Matrix: Paint

Analyte	Result	Units	Reporting		Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst						
<b><u>Metals by EPA 6000/7000 Series Methods</u></b>										
Lead	181	mg/kg	96.9	ENC	07/22/14 14:11	07/22/14 15:57	EPA 7000B	4G22027	14G0356-05	
<b><u>Classical Chemistry Parameters</u></b>										
% Solids	100	%		JLM	07/24/14 14:40	07/24/14 14:40	% Calculation	4G24025	14G0356-05	



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.

PASI  
Misc

Report Date: 07/29/14 14:53

**CASE NARRATIVE**

The results presented in this report relate only to the sample(s) received on 7/18/2014 10:00:00 AM for PASI - 14G0355-01, 14G0356-02, 14G0356-03, 14G0356-04, 14G0356-05 . If you have any questions concerning this report, please contact (b)(6) at

(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.*

PASI  
Misc

Report Date: 07/29/14 14:53

### Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	RL	Units	Result	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch 4G22027 - EPA 7000B</b>										
<b>Blank (4G22027-BLK1)</b>										
Lead	50.0	mg/kg	ND							U
Prepared & Analyzed: 07/22/14										
<b>LCS (4G22027-BL1)</b>										
Lead	50.0	mg/kg	222	200		111	85-115			
Prepared & Analyzed: 07/22/14										
<b>LCS Dup (4G22027-BSD1)</b>										
Lead	50.0	mg/kg	221	200		110	85-115	0.2	25	
Prepared & Analyzed: 07/22/14										
<b>Duplicate (4G22027-DUP1)</b>										
Lead	94.0	mg/kg	237		247			4	25	
Source: 14G0356-01 Prepared & Analyzed: 07/22/14										
<b>Matrix Spike (4G22027-MS1)</b>										
Lead	96.6	mg/kg	651	386	217	112	75-125			
Source: 14G0356-02 Prepared & Analyzed: 07/22/14										
<b>Reference (4G22027-SRM1)</b>										
Lead	8450	mg/kg	116000	99900		116	84-116			
Prepared & Analyzed: 07/22/14										



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.

PAS1  
Misc





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

Report Date: 09/10/14 15:54

Report To: PASI  
P.O. Box 170  
Fairhope, AL 36532  
Attention: (b)(6)

Project: Misc  
Project Number: B Test Stand, Stennis Space Center

**ANALYTICAL REPORT**

This report includes the results of analyses for the samples listed below that were received by the laboratory on 09/05/14 08:10. If you have any questions concerning this report, please feel free to call Ron Burkett at (251) 344-9106.

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Agreement	1410044-01	Other	09/05/14 08:00	09/05/14 08:10
Blank	1410044-02	Air	09/03/14 00:00	09/05/14 08:10
Deck 20 - Background	1410044-03	Air	09/03/14 17:00	09/05/14 08:10
Deck 11- Background	1410044-04	Air	09/03/14 17:00	09/05/14 08:10
Personnel- B/P	1410044-05	Air	09/03/14 17:00	09/05/14 08:10
Personnel- Laborer	1410044-06	Air	09/03/14 17:00	09/05/14 08:10
Deck 20- Background	1410044-07	Air	09/04/14 16:00	09/05/14 08:10
Deck 11- Background	1410044-08	Air	09/04/14 16:00	09/05/14 08:10
Personnel- B/P	1410044-09	Air	09/04/14 16:00	09/05/14 08:10
Personnel- Dust Patrol	1410044-10	Air	09/04/14 16:00	09/05/14 08:10

(b)(6)

(b)(6) Project Manager



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

PASI  
Misc

10/5

West side 50 FT CORE



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

Report Date: 09/10/14 15:54

Sample Name: Agreement Sample Type: Personnel  
Sample Date: 09/05/14 08:00 Date Received: 09/05/14 08:10 Sampled by: Client Matrix: Other

Analyte	Reporting									
	Result	Units	Limit	Analyst	Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
<b>Field Parameters</b>										
No Sample	0.00	—		CLT	09/05/14 08:00	09/05/14 08:00	NA	4105013	1410044-01	

Sample Name: Blank Sample Type: Composite  
Sample Date: 09/03/14 00:00 Date Received: 09/05/14 08:10 Sampled by: Client Matrix: Air

Analyte	Reporting									
	Result	Units	Limit	Analyst	Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
<b>Metals by NIOSH 7303</b>										
Lead	< 5.00	Total mg	5.00	ENC	09/08/14 14:53	09/09/14 03:58	NIOSH 7303	4108023	1410044-02	U

Sample Name: Deck 20 - Background Sample Type: Composite  
Sample Date: 09/03/14 17:00 Date Received: 09/05/14 08:10 Sampled by: Client Matrix: Air

Analyte	Reporting									
	Result	Units	Limit	Analyst	Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
<b>Metals by NIOSH 7303</b>										
Lead	< 0.130	ug/m <sup>3</sup> Air	0.130	ENC	09/08/14 14:53	09/09/14 04:05	NIOSH 7303	4108023	1410044-03	U

Sample Name: Deck 11 - Background Sample Type: Composite  
Sample Date: 09/03/14 17:00 Date Received: 09/05/14 08:10 Sampled by: Client Matrix: Air

Analyte	Reporting									
	Result	Units	Limit	Analyst	Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
<b>Metals by NIOSH 7303</b>										
Lead	0.095	ug/m <sup>3</sup> Air	0.130	ENC	09/08/14 14:53	09/09/14 04:12	NIOSH 7303	4108023	1410044-04	

Sample Name: Personnel - B/P Sample Type: Composite  
Sample Date: 09/03/14 17:00 Date Received: 09/05/14 08:10 Sampled by: Client Matrix: Air

Analyte	Reporting									
	Result	Units	Limit	Analyst	Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
<b>Metals by NIOSH 7303</b>										
Lead	< 0.130	ug/m <sup>3</sup> Air	0.130	ENC	09/08/14 14:53	09/09/14 04:18	NIOSH 7303	4108023	1410044-05	U

Sample Name: Personnel - Lab/er Sample Type: Composite  
Sample Date: 09/03/14 17:00 Date Received: 09/05/14 08:10 Sampled by: Client Matrix: Air

Analyte	Reporting									
	Result	Units	Limit	Analyst	Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
<b>Metals by NIOSH 7303</b>										
Lead	0.36	ug/m <sup>3</sup> Air	0.130	ENC	09/08/14 14:53	09/09/14 04:25	NIOSH 7303	4108023	1410044-06	



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

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Report Date: 09/10/14 15:54

Sample Name: Deck 20- Background      Sample Type: Composite  
 Sample Date: 09/04/14 16:00      Date Received: 09/05/14 08:10      Sampled by: Client      Matrix: Air

Analyte	Result	Units	Reporting			Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst							
<b>Metals by NIOSH 7303</b>											
Lead	1.32	ug/m <sup>3</sup> Air	0.130	ENC	09/08/14 14:53	09/09/14 05:06	NIOSH 7303	4108023	1410044-07		

Sample Name: Deck 13- Background      Sample Type: Composite  
 Sample Date: 09/04/14 16:00      Date Received: 09/05/14 08:10      Sampled by: Client      Matrix: Air

Analyte	Result	Units	Reporting			Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst							
<b>Metals by NIOSH 7303</b>											
Lead	0.208	ug/m <sup>3</sup> Air	0.130	ENC	09/08/14 14:53	09/09/14 05:13	NIOSH 7303	4108023	1410044-08		

Sample Name: Personnel- B/P      Sample Type: Composite  
 Sample Date: 09/04/14 16:00      Date Received: 09/05/14 08:10      Sampled by: Client      Matrix: Air

Analyte	Result	Units	Reporting			Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst							
<b>Metals by NIOSH 7303</b>											
Lead	3.16	ug/m <sup>3</sup> Air	0.130	ENC	09/08/14 14:53	09/09/14 05:20	NIOSH 7303	4108023	1410044-09		

Sample Name: Personnel- Dust Patrol      Sample Type: Composite  
 Sample Date: 09/04/14 16:00      Date Received: 09/05/14 08:10      Sampled by: Client      Matrix: Air

Analyte	Result	Units	Reporting			Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst							
<b>Metals by NIOSH 7303</b>											
Lead	0.866	ug/m <sup>3</sup> Air	0.130	ENC	09/08/14 14:53	09/09/14 05:27	NIOSH 7303	4108023	1410044-10		



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Report Date: 09/10/14 15:54

**Metals by NIOSH 7303 - Quality Control**

Analyte	RL	Units	Result	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch 4108023 - NIOSH 7303</b>										
<b>Blank (4108023-BLK1)</b>										
				Prepared: 09/08/14 Analyzed: 09/09/14						
Lead	0.0260	ug/m <sup>3</sup> Air	ND							U
<b>LCS (4108023-B91)</b>										
				Prepared: 09/08/14 Analyzed: 09/09/14						
Lead	25.0	ug/m <sup>3</sup> Air	8990	10000		90	85-115			
<b>LCS Dup (4108023-BSD1)</b>										
				Prepared: 09/08/14 Analyzed: 09/09/14						
Lead	25.0	ug/m <sup>3</sup> Air	10700	10000		107	85-115	18	30	



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Misc

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# Lead in Air NIOSH 7303

14D0044

CLIENT: <b>PASI</b>				PROJECT: <b>ES&amp;P</b>			
ADDRESS: <b>15525 Knox Dr, Baton Rouge, LA</b>				LOCATION: <b>R Test Stand, Stennis Space Center</b>			
CLIENT CONTACT: <b>(b)(6)</b>				P.O. NUMBER:			
PHONE NUMBER: <b>(b)(6)</b>				SAMPLE COLLECTED By: Client <b>(b)(6)</b>			

LAB NUMBER	FIELD I.D.	SAMPLE DATE	FLOW	START TIME	STOP TIME	TOTAL VOLUME	SAMPLE LOCATION & NOTES
2	① <del>Stack</del>	9/3/14					Blank <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">4 day turnaround</span>
3	② <del>Stack</del>	9/3/14	2	0900	1700		Back 20 - Background
4	③ <del>Stack</del>	9/3/14	↓	↓	↓		Back 11 - Background
5	④ <del>Personnel</del>	9/3/14	↓	↓	↓		Personnel - B/P
6	⑤ <del>Personnel</del>	9/3/14	↓	↓	↓		Personnel - laborer
7	⑥ <del>Stack</del>	9/4/14	2	0800	1600		Back 20 - Background
8	⑦	9/4/14	↓	↓	↓		Back 11 - Background
9	⑧	9/4/14	↓	↓	↓		Personnel - B/P
10	⑨	9/4/14	↓	↓	↓		Personnel - Cust Patrol

ANALYST: <b>(b)(6)</b>	REVIEWED BY:	DATE:	TIME:
------------------------	--------------	-------	-------

Relinquished **(b)(6)** Date: 9/4/14 Time: 0810 Received By: **(b)(6)** Date: 9/5/14 Time: 810

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Rec **4 day TAT** Date: \_\_\_\_\_ Time: \_\_\_\_\_

ENVIROCHEM, INC. 4320 MIDMOST DRIVE MOBILE, ALABAMA 36688 (251) 341-9492

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nr



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

Report Date: 12/03/14 15:22

Report To: PASI  
P.O. Box 170  
Fairhope, AL 36532  
Attention: Mark Michels

Project: Misc  
Project Number: Waste Profile

**ANALYTICAL REPORT**

This report includes the results of analyses for the samples listed below that were received by the laboratory on 11/24/14 08:00. If you have any questions concerning this report, please feel free to call Ron Burkett at (251) 344-9106.

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Grit Flama Deflector SSC	14K0352-01	Soil	11/21/14 13:00	11/24/14 08:00

(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.

Report Date: 12/03/14 15:22

Sample Name: Grit Flame Deflector SSC

Sample Type: Composite

Sample Date: 11/21/14 13:00

Date Received: 11/24/14 08:00

Sampled by: Client

Matrix: Soil

Analyte	Result	Units	Reporting		Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst						
<b>TCLP Metals by 8000/7000 Series Methods</b>										
Arsenic	< 0.05	mg/L	0.05	ENC	12/01/14 14:47	12/01/14 20:16	EPA 6020 TCLP	4L01014	14K0352-01	U
Barium	0.3	mg/L	0.2	ENC	12/01/14 14:47	12/01/14 20:16	EPA 6020 TCLP	4L01014	14K0352-01	
Cadmium	< 0.05	mg/L	0.05	ENC	12/01/14 14:47	12/01/14 20:16	EPA 6020 TCLP	4L01014	14K0352-01	U
Chromium	0.1	mg/L	0.05	ENC	12/01/14 14:47	12/01/14 20:16	EPA 6020 TCLP	4L01014	14K0352-01	
Lead	1.6	mg/L	0.05	ENC	12/01/14 14:47	12/01/14 20:16	EPA 6020 TCLP	4L01014	14K0352-01	
Mercury	< 0.008	mg/L	0.008	ENC	12/02/14 08:05	12/03/14 14:58	EPA 7470A TCLP	4L02001	14K0352-01	U
Selenium	< 0.05	mg/L	0.05	ENC	12/01/14 14:47	12/01/14 20:16	EPA 6020 TCLP	4L01014	14K0352-01	U
Silver	< 0.05	mg/L	0.05	ENC	12/01/14 14:47	12/01/14 20:16	EPA 6020 TCLP	4L01014	14K0352-01	U



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Report Date: 12/03/14 15:22

**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 4L02001 - EPA 7470A TCLP</b>										
<b>Duplicate (4L02001-DUP1)</b>										
Mercury	0.008	mg/L	ND		ND				25	U
<b>Source: 14K0351-01 Prepared: 12/02/14 Analyzed: 12/03/14</b>										
<b>Matrix Spike (4L02001-MS1)</b>										
Mercury	0.008	mg/L	0.029	0.0300	ND	98	70-130			
<b>Source: 14K0351-01 Prepared: 12/02/14 Analyzed: 12/03/14</b>										
<b>Matrix Spike Dup (4L02001-MSD1)</b>										
Mercury	0.008	mg/L	0.029	0.0300	ND	97	70-130	0.9	25	



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

Report Date: 12/02/14 09:36

Report To: PAST  
P.O. Box 170  
Fairhope, AL 36532  
Attention: (b)(6)

Project: Misc  
Project Number: SSC B Test Stand

### ANALYTICAL REPORT

This report includes the results of analyses for the samples listed below that were received by the laboratory on 11/19/14 13:27. If you have any questions concerning this report, please feel free to call Ron Burkett at (251) 344-9106.

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Blank	14K0307-01	Air	11/18/14 00:00	11/19/14 13:27
Flame Deflector B Stand Southside	14K0307-02	Air	11/18/14 16:06	11/19/14 13:27
Outside Containment Northside	14K0307-03	Air	11/18/14 16:10	11/19/14 13:27
Personnel	14K0307-04	Air	11/18/14 16:15	11/19/14 13:27
Inside Containment	14K0307-05	Air	11/18/14 16:00	11/19/14 13:27
Outside Containment Downward	14K0307-06	Air	11/20/14 16:15	11/19/14 13:27
Personnel	14K0307-07	Air	11/20/14 16:20	11/19/14 13:27
Inside Containment	14K0307-08	Air	11/21/14 16:30	11/19/14 13:27
Personnel	14K0307-09	Air	11/21/14 16:45	11/19/14 13:27
Outside Containment- Downwind	14K0307-10	Air	11/21/14 16:50	11/19/14 13:27

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



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PAST  
Misc

Report Date: 12/02/14 09:36

Sample Name: Blank

Sample Date: 11/18/14 09:00

Date Received: 11/19/14 13:27

Sampled by: Client

Sample Type: Composite

Matrix: Air

Analyte	Result	Units	Reporting		Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst						
<b>Metals by NIOSH 7303</b>										
Lead	< 1.00	Total mg	1.00	RGB	11/19/14 16:31	11/19/14 23:43	NIOSH 7303	4K19023	14K0307-01	U

Sample Name: Flame Deflector B Stand Southside

Sample Date: 11/18/14 16:06

Date Received: 11/19/14 13:27

Sampled by: Client

Sample Type: Composite

Matrix: Air

Analyte	Result	Units	Reporting		Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst						
<b>Metals by NIOSH 7303</b>										
Lead	0.130	ug/m <sup>3</sup> Air	0.130	ENC	11/19/14 16:31	11/19/14 23:50	NIOSH 7303	4K19023	14K0307-02	U

Sample Name: Outside Containment Northside

Sample Date: 11/18/14 16:10

Date Received: 11/19/14 13:27

Sampled by: Client

Sample Type: Composite

Matrix: Air

Analyte	Result	Units	Reporting		Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst						
<b>Metals by NIOSH 7303</b>										
Lead	< 0.130	ug/m <sup>3</sup> Air	0.130	ENC	11/19/14 16:31	11/19/14 23:54	NIOSH 7303	4K19023	14K0307-03	U

Sample Name: Personnel

Sample Date: 11/18/14 16:15

Date Received: 11/19/14 13:27

Sampled by: Client

Sample Type: Composite

Matrix: Air

Analyte	Result	Units	Reporting		Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst						
<b>Metals by NIOSH 7303</b>										
Lead	89.9	ug/m <sup>3</sup> Air	0.130	ENC	11/19/14 16:31	11/20/14 00:01	NIOSH 7303	4K19023	14K0307-04	

Sample Name: Inside Containment

Sample Date: 11/18/14 16:00

Date Received: 11/19/14 13:27

Sampled by: Client

Sample Type: Composite

Matrix: Air

Analyte	Result	Units	Reporting		Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst						
<b>Metals by NIOSH 7303</b>										
Lead	87.4	ug/m <sup>3</sup> Air	0.130	ENC	11/19/14 16:31	11/20/14 00:08	NIOSH 7303	4K19023	14K0307-05	

Sample Name: Outside Containment Downward

Sample Date: 11/20/14 16:15

Date Received: 11/19/14 13:27

Sampled by: Client

Sample Type: Composite

Matrix: Air

Analyte	Result	Units	Reporting		Prepared	Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst						
<b>Metals by NIOSH 7303</b>										
Lead	3.19	ug/m <sup>3</sup> Air	0.130	ENC	11/26/14 14:20	11/26/14 15:25	NIOSH 7303	4K26026	14K0307-06	



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.

PASI

Misc

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Report Date: 12/02/14 09:36

Sample Name: Personnel Sample Type: Composite  
 Sample Date: 11/20/14 16:20 Date Received: 11/19/14 13:27 Sampled by: Client Matrix: Air

Analyte	Result	Units	Reporting			Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst	Prepared					
<b>Metals by NIOSH 7303</b>										
Lead	2180	ug/m <sup>3</sup> Air	2.60	ENC	11/26/14 14:20	12/01/14 16:13	NIOSH 7303	4K26026	14K0307-07	

Sample Name: Inside Containment Sample Type: Composite  
 Sample Date: 11/21/14 16:30 Date Received: 11/19/14 13:27 Sampled by: Client Matrix: Air

Analyte	Result	Units	Reporting			Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst	Prepared					
<b>Metals by NIOSH 7303</b>										
Lead	1370	ug/m <sup>3</sup> Air	2.60	ENC	11/26/14 14:20	12/01/14 16:20	NIOSH 7303	4K26026	14K0307-08	

Sample Name: Personnel Sample Type: Composite  
 Sample Date: 11/21/14 16:45 Date Received: 11/19/14 13:27 Sampled by: Client Matrix: Air

Analyte	Result	Units	Reporting			Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst	Prepared					
<b>Metals by NIOSH 7303</b>										
Lead	49.9	ug/m <sup>3</sup> Air	0.130	ENC	11/26/14 14:20	11/26/14 15:46	NIOSH 7303	4K26026	14K0307-09	

Sample Name: Outside Containment- Downwind Sample Type: Composite  
 Sample Date: 11/21/14 16:50 Date Received: 11/19/14 13:27 Sampled by: Client Matrix: Air

Analyte	Result	Units	Reporting			Analyzed	Method	Batch	Lab Number	Qualifier
			Limit	Analyst	Prepared					
<b>Metals by NIOSH 7303</b>										
Lead	2.87	ug/m <sup>3</sup> Air	0.130	ENC	11/26/14 14:20	11/26/14 15:52	NIOSH 7303	4K26026	14K0307-10	



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**CASE NARRATIVE**

The results presented in this report relate only to the sample(s) received on 11/19/2014 1:27:00 PM for PASI - 14K0307-01, 14K0307-02, 14K0307-03, 14K0307-04 . 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.



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

**Metals by NIOSH 7303 - Quality Control**

Analyte	RL	Units	Result	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch 4K19023 - NIOSH 7303</b>										
<b>Blank (4K19023-BLK1)</b>				Prepared & Analyzed: 11/19/14						
Lead	0.0260	ug/m <sup>3</sup> Air	ND							U
<b>LCS (4K19023-BS1)</b>				Prepared & Analyzed: 11/19/14						
Lead	25.0	ug/m <sup>3</sup> Air	10400	10000		104	85-115			
<b>LCS Dup (4K19023-BSD1)</b>				Prepared & Analyzed: 11/19/14						
Lead	25.0	ug/m <sup>3</sup> Air	10400	10000		104	85-115	0.5	30	
<b>Batch 4K26026 - NIOSH 7303</b>										
<b>Blank (4K26026-BLK1)</b>				Prepared & Analyzed: 11/26/14						
Lead	0.0260	ug/m <sup>3</sup> Air	ND							U
<b>LCS (4K26026-BS1)</b>				Prepared & Analyzed: 11/26/14						
Lead	25.0	ug/m <sup>3</sup> Air	9440	10000		94	85-115			
<b>LCS Dup (4K26026-BSD1)</b>				Prepared & Analyzed: 11/26/14						
Lead	25.0	ug/m <sup>3</sup> Air	10800	10000		108	85-115	13	30	



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LEAD IN AIR NIOSH 7303

14K0307

CLIENT: PAST of LA, INC				PROJECT: SSC B Test Stand			
ADDRESS: 15525 Knox Dr, Baton Rouge, LA 70817				LOCATION: Flame Deflector			
CLIENT CONTACT: (b)(6)				P.O. NUMBER: 9780			
PHONE NUMBER: (b)(6)				SAMPLE COLLECTED BY: (b)(6)			
LAB NUMBER	FIELD I.D.	SAMPLE DATE	FLOW RATE	START TIME	STOP TIME	TOTAL VOLUME	SAMPLE LOCATION & NOTES
01	1	11/18/14					Blank Pump
02	2 South	↓	2.0	0806	1606	960	Flame deflector B Stand Southside
03	3 Out	↓	↓	0810	1610	↓	outside Containment Northside
04	4 Person	↓	↓	0815	1615	↓	Personnel
05	5 Inside	↓	↓	0820	1620	↓	Inside Containment
ANALYST:				REVIEWED BY:		DATE:	
Relinquished By: (b)(6)				Date: 11/19/14 Time: 1327		Received By: (b)(6) Date: 11/19 Time: 1327	
Relinquished By:				Date: Time:		Received By: (b)(6) Date: Time:	
Relinquished By:				Date: Time:		Received By: Date: Time:	

ENVIROCHEM, INC. 4320 MIDMOST DRIVE MOBILE, ALABAMA 36609 PHONE: (251) 344-9106 FAX: (251) 341-9492

#1 Blank by label/mark on cassette!

(b)(6)

**LEAD IN AIR NIOSH 7303**

14K0307

CLIENT: <u>PASI of LA, INC</u>				PROJECT: <u>SSC B Test Stand</u>			
ADDRESS: <u>19525 Knox Hwy, Baton Rouge, LA 70817</u>				LOCATION: <u>Flame Deflector</u>			
CLIENT CONTACT: <u>(b)(6)</u>				P.O. NUMBER: <u>9782</u>			
PHONE NUMBER: <u>251 656 6091</u>				SAMPLE COLLECTED BY: <u>(b)(6)</u>			
LAB NUMBER	FIELD I.D.	SAMPLE DATE	FLOW RATE	START TIME	STOP TIME	TOTAL VOLUME	SAMPLE LOCATION & NOTES
06	6	11/20/14	2	0815	1015	960	Outside containment - downwind
07	7	11/20/14	↓	0830	1030	↓	Personnel
08	8	11/21/14	↓	0830	1030	↓	Inside containment
09	9	11/21/14	↓	0845	1045	↓	Personnel
10	10	11/21/14	↓	0850	1050	↓	Outside containment - downwind
ANALYST:				REVIEWED BY:		DATE:	
TIME:				DATE:		TIME:	

Relinquished By: (b)(6) Date: 11/20 Time: 1145 Received By: (b)(6) Date: 11/23 Time: 1145

Relinquished By: \_\_\_\_\_ Date: 11/23 Time: 1145 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_



### EMSL Analytical, Inc.

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<http://www.EMSL.com> [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

EMSL Order: (b)(4)  
CustomerID: OCCU56  
CustomerPO:  
ProjectID:

Attn: (b)(6)  
**OHC Environmental Engineering, Inc.**  
**5420 Bay Center Drive**  
**Suite 100**  
**Tampa, FL 33609**

Phone: (813) 626-8156  
Fax: (813) 623-6702  
Received: 09/19/14 9:20 AM  
Collected: 9/18/2014

Project: Stennis

### Test Report: Lead in Air by Flame AAS (NIOSH 7082)\*

Client Sample Description	Collected	Analyzed	Volume	RDL	Lead Concentration
OHHP-17M 341408270-0001	9/18/2014	9/22/2014	950 L	4.2 µg/m³	<4.2 µg/m³
	Site: (b)(6) Blaster Level 17 and Below West Side				
OHHP-18M 341408270-0002	9/18/2014	9/22/2014	950 L	4.2 µg/m³	<4.2 µg/m³
	Site: (b)(6) Labor Level II West Side B Test Sand				
OHHP-19M 341408270-0003	9/18/2014	9/22/2014	1000 L	4.0 µg/m³	<4.0 µg/m³
	Site: Outside Work Area Top of Enclosure Level 20				
OHHP-20M 341408270-0004	9/18/2014	9/22/2014	1010 L	4.0 µg/m³	<4.0 µg/m³
	Site: Outside Work Area Bottom of Enclosure Level II				

(b)(6)  
(b)(6) Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. µg/filter = µg/m³ x volume sampled (m³). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.  
Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC—ELLAP Accredited #163583

Initial report from 09/22/2014 14:33:56

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 CustomerID: OCCU56  
 CustomerPO:  
 ProjectID:

Attn: (b)(6)

**OHC Environmental Engineering, Inc.**  
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**Suite 100**  
**Tampa, FL 33609**

Phone: (813) 626-8156  
 Fax: (813) 623-6702  
 Received: 09/22/14 8:55 AM  
 Collected: 9/19/2014

Project: Stennis

**Test Report: Lead in Air by Flame AAS (NIOSH 7082)\***

<i>Client Sample Description</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Volume</i>	<i>RDL</i>	<i>Lead Concentration</i>
OHHP-21M 341408343-0001	9/19/2014	9/23/2014	900 L	4.4 µg/m³	<4.4 µg/m³
	Site: (b)(6) Blasting Level II & Up W. Side B				
OHHP-22M 341408343-0002	9/19/2014	9/23/2014	900 L	4.4 µg/m³	<4.4 µg/m³
	Site: (b)(6) Labor Level II W. Side B Stand				
OHHP-23M 341408343-0003	9/19/2014	9/23/2014	910 L	4.4 µg/m³	<4.4 µg/m³
	Site: OWA Bottom Of The Enclosure Level II				
OHHP-24M 341408343-0004	9/19/2014	9/23/2014	930 L	4.3 µg/m³	<4.3 µg/m³
	Site: OWA Top Of The Enclosure				

(b)(6)

(b)(6) Ph.D., Laboratory Manager  
 or other approved signatory

\*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. µg/filter = µg/m³ x volume sampled (m³). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.  
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 09/23/2014 11:01:12



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EMSL Order: (b)(4)  
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ProjectID:

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**Tampa, FL 33609**  
Phone: (813) 626-8156  
Fax: (813) 623-6702  
Received: 01/19/15 8:40 AM  
Collected: 1/16/2015  
Project: **Stennis B-2 Test Stand**

## Test Report: Lead in Air by Flame AAS (NIOSH 7082)\*

Client SampleDescription	Collected	Analyzed	Volume	RDL	Lead Concentration
01 341500429-0001	1/16/2015	1/19/2015	810 L	4.9 µg/m³	6.5 µg/m³
	Site: (b)(6) Blasting B-2 South Side				
02 341500429-0002	1/16/2015	1/19/2015	810 L	4.9 µg/m³	<4.9 µg/m³
	Site: Inside the Work Area Level 19				
03 341500429-0003	1/16/2015	1/19/2015	810 L	4.9 µg/m³	<4.9 µg/m³
	Site: Outside the Work Area Level 18 @ Entrance				
04 341500429-0004	1/16/2015	1/19/2015	800 L	5.0 µg/m³	<5.0 µg/m³
	Site: Inside the Work Area Level 11				
05 341500429-0005	1/16/2015	1/19/2015	800 L	5.0 µg/m³	<5.0 µg/m³
	Site: Outside the Work Area Level 11				

Cassette sample for project Stennis B-2 Test Stand samples 2 and 4 were sampled both forward and backward so the particulate matter in the air collected on the filter pad instead of the filter. Filter was analyzed.

(b)(6)  
\_\_\_\_\_  
(b)(6) Ph.D., Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.  
Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #183563

Initial report from 01/19/2015 16:57:14

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EMSL Order: (b)(4)  
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 ProjectID:

Attn: (b)(6)  
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Phone: (813) 626-8156  
 Fax: (813) 623-6702  
 Received: 01/20/15 9:17 AM  
 Collected: 1/19/2015

Project: 140211AL SSC

**Test Report: Lead in Air by Flame AAS (NIOSH 7082)\***

Client Sample Description	Collected	Analyzed	Volume	RDL	Lead Concentration
01 341500490-0001	1/19/2015	1/20/2015	960 L	4.2 µg/m³	68 µg/m³
	Site: (b)(6) Blasting B-2 South Side				
02 341500490-0002	1/19/2015	1/20/2015	960 L	4.2 µg/m³	2500 µg/m³
	Site: Inside the Work Area Level 19				
03 341500490-0003	1/19/2015	1/20/2015	960 L	4.2 µg/m³	97 µg/m³
	Site: Inside Work Area Entrance @ Level 18				
04 341500490-0004	1/19/2015	1/20/2015	960 L	4.2 µg/m³	1400 µg/m³
	Site: Inside Work Area Level 11				
05 341500490-0005	1/19/2015	1/20/2015	960 L	4.2 µg/m³	53 µg/m³
	Site: Outside Work Area Level 11				

Cassette sample numbers 3, 4, and 5 were sampled backward and forward in the field so particulate matter collected on the filter pad and on the filter. Filters were analyzed.

(b)(6)  
 (b)(6) Ph.D., Laboratory Manager  
 or other approved signatory

\*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. µg/filter = µg/m³ x volume sampled (m³). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.  
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 01/20/2015 16:01:06



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ProjectID:

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**Tampa, FL 33609**

Phone: (813) 626-8156  
Fax: (813) 623-6702  
Received: 01/21/15 9:18 AM  
Collected: 1/20/2015

Project: 140211AL SSC

## Test Report: Lead in Air by Flame AAS (NIOSH 7082)\*

Client Sample Description	Collected	Analyzed	Volume	RDL	Lead Concentration
01 341500525-0001	1/20/2015	1/21/2015	880 L	4.5 µg/m³	800 µg/m³
	Site: (b)(6) Blasting Level 13 to Level 11				
02 341500525-0002	1/20/2015	1/21/2015	880 L	4.5 µg/m³	1500 µg/m³
	Site: Inside the Work Area Level 19				
03 341500525-0003	1/20/2015	1/21/2015	880 L	4.5 µg/m³	52 µg/m³
	Site: Outside Work Area @ Entrance Level 18				
04 341500525-0004	1/20/2015	1/21/2015	890 L	4.5 µg/m³	1400 µg/m³
	Site: Inside Work Area Level 11				
05 341500525-0005	1/20/2015	1/21/2015	890 L	4.5 µg/m³	<4.5 µg/m³
	Site: Outside the Work Area the Entrance Level 11				

Sample 01 was sampled backward in the field so any particulate matter collected on the filter pad instead of the filter. Sample 02 was sampled backward & forward so particulate matter collected on the filter pad & on the filter. Filters were analyzed.

(b)(6)  
\_\_\_\_\_  
(b)(6) Ph.D., Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. ug/filter = ug/m3 x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.  
Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 01/21/2015 14:16:26

W2



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EMSL Order: (b)(4)  
CustomerID: OCCU56  
CustomerPO:  
ProjectID:

Attn: (b)(6)  
**OHC Environmental Engineering, Inc.**  
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**Suite 100**  
**Tampa, FL 33609**

Phone: (813) 626-8156  
Fax: (813) 623-6702  
Received: 01/27/15 9:11 AM  
Collected: 1/24/2015

Project: Stennis

## Test Report: Lead in Air by Flame AAS (NIOSH 7082)\*

Client Sample Description	Collected	Analyzed	Volume	RDL	Lead Concentration
1 341500740-0001	1/24/2015	1/28/2015	890 L	4.5 µg/m³	<4.5 µg/m³
	Site: (b)(6) Working in Flame Bucket				
2 341500740-0002	1/24/2015	1/28/2015	890 L	4.5 µg/m³	7.0 µg/m³
	Site: (b)(6) Clean up Debris Inside W/A				
3 341500740-0003	1/24/2015	1/28/2015	750 L	5.3 µg/m³	<5.3 µg/m³
	Site: (b)(6) Clean up Debris Inside W/A				

(b)(6)

(b)(6) Ph.D., Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. µg/filter = µg/m³ x volume sampled (m³). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.  
Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #183563

Initial report from 01/28/2015 08:54:37



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EMSL Order: (b)(4)  
CustomerID: OCCU56  
CustomerPO:  
ProjectID:

Attr: (b)(6)  
**OHC Environmental Engineering, Inc.**  
**5420 Bay Center Drive**  
**Suite 100**  
**Tampa, FL 33609**

Phone: (813) 626-8156  
Fax: (813) 623-6702  
Received: 01/27/15 9:11 AM  
Collected: 1/26/2015

Project: **Stennis**

**Test Report: Lead in Air by Flame AAS (NIOSH 7082)\***

Client Sample Description	Collected	Analyzed	Volume	RDL	Lead Concentration
1 341500742-0001	1/26/2015 Site: (b)(6)	1/28/2015	1042 L in the Flame Bucket	3.8 µg/m³	<3.8 µg/m³
2 341500742-0002	1/26/2015 Site: (b)(6)	1/28/2015	1012 L Inside S Side Contain Clean up	4.0 µg/m³	58 µg/m³
3 341500742-0003	1/26/2015 Site: (b)(6)	1/28/2015	770 L E Side of Test Stand Grinding Pi	5.2 µg/m³	34 µg/m³

(b)(6)

(b)(6) Ph.D., Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. µg/filter = µg/m³ x volume sampled (m³). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AHA-LAP, unless specifically indicated otherwise.  
Samples analyzed by EMSL Analytical, Inc. Orlando, FL AHA-LAP, LLC-ELLAP Accredited #163563

Initial report from 01/28/2015 08:56:00



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EMSL Order: (b)(4)  
CustomerID: OCCU56  
CustomerPO:  
ProjectID:

Attn: (b)(6)  
**OHC Environmental Engineering, Inc.**  
**5420 Bay Center Drive**  
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**Tampa, FL 33609**  
Phone: (813) 626-8156  
Fax: (813) 623-6702  
Received: 01/28/15 8:59 AM  
Collected: 1/27/2015  
Project: Stennis

**Test Report: Lead in Air by Flame AAS (NIOSH 7082)\***

Client Sample Description	Collected	Analyzed	Volume	RDL	Lead Concentration
1 341500782-0001	1/27/2015	1/28/2015	1070 L	3.7 µg/m³	10 µg/m³
	Site: (b)(6) Working on Clean up of Blast Media				
2 341500782-0002	1/27/2015	1/28/2015	880 L	4.5 µg/m³	28 µg/m³
	Site: (b)(6) Working in a Man Lift East Side				
3 341500782-0003	1/27/2015	1/28/2015	916 L	4.4 µg/m³	<4.4 µg/m³
	Site: (b)(6) Working in Flame Bucket on a Swing				

(b)(6)  
\_\_\_\_\_  
(b)(6) Ph.D., Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. µg/filter = µg/m³ x volume sampled (m³). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.  
Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163583

Initial report from 01/28/2015 12:23:11

45



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EMSL Order: (b)(6)  
CustomerID: OCCU56  
CustomerPO:  
ProjectID:

Attn: (b)(6)  
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**Suite 100**  
**Tampa, FL 33609**

Phone: (813) 626-8156  
Fax: (813) 623-6702  
Received: 01/28/15 8:59 AM  
Collected: 1/27/2015

Project: Stennis

**Test Report: Lead in Air by Flame AAS (NIOSH 7082)\***

Client Sample Description	Collected	Analyzed	Volume	RDL	Lead Concentration
1 341500782-0001	1/27/2015	1/28/2015	1070 L	3.7 µg/m³	10 µg/m³
Site: (b)(6) Working on Clean up of Blast Media					
2 341500782-0002	1/27/2015	1/28/2015	880 L	4.5 µg/m³	28 µg/m³
Site: (b)(6) Working in a Man Lift East Side					
3 341500782-0003	1/27/2015	1/28/2015	916 L	4.4 µg/m³	<4.4 µg/m³
Site: (b)(6) Working in Flame Bucket on a Swing					

(b)(6)

(b)(6) Ph.D., Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/liter. ug/filter = ug/m³ x volume sampled (m3). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.  
Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC-ELLAP Accredited #163583

Initial report from 01/28/2015 12:23:11

u/w

**EMSL Analytical, Inc.**

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<http://www.EMSL.com> [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

EMSL Order: (b)(4)  
 CustomerID: OCCU56  
 CustomerPO:  
 ProjectID:

Attn: (b)(6)

**OHC Environmental Engineering, Inc.**  
**5420 Bay Center Drive**  
**Suite 100**  
**Tampa, FL 33609**

Phone: (813) 626-8156  
 Fax: (813) 623-6702  
 Received: 01/30/15 9:00 AM  
 Collected: 1/29/2015

Project: Stennis

### Test Report: Lead in Air by Flame AAS (NIOSH 7082)\*

Client Sample Description	Collected	Analyzed	Volume	RDL	Lead Concentration
1 341500861-0001	1/29/2015	1/30/2015	930 L	4.3 µg/m³	<4.3 µg/m³
	Site: (b)(6)		East Side B-2 Test Stand Pipes		
2 341500861-0002	1/29/2015	1/30/2015	1218 L	3.3 µg/m³	7.8 µg/m³
	Site: (b)(6)		East Side B-2 Test Stand Pipes		

(b)(6)

(b)(6) Ph.D., Laboratory Manager  
 or other approved signatory

\*Analysis following Lead in Air by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 4 µg/filter. µg/filter = µg/m³ x volume sampled (m³). OSHA PEL - 50 µg/m³. OSHA action level - 30 µg/m³. Unless otherwise noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. This report may not be reproduced except in full, without written approval by EMSL. This report relates only to those items tested. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.  
 Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA-LAP, LLC--ELLAP Accredited #163563

Initial report from 01/30/2015 15:29:22

**Appendix F**  
**Employee Notification**

**Section 13**

**Air Sampling Results Notification Form**

To: [Redacted]  
From: [Redacted] (b)(6)  
Subject: Lead Air Sample Exposure Notification Form  
Date: 1/23/15  
Project: B Stone Renovation

---

Your 8 hour TWA  
Lead exposure result :

Your Lead Exposure was :

Controls in Place:

[Redacted] (b)(6)

**Methods of Compliance:**

At this time, the controls that are in place are more than adequate at protecting one from over-exposure to lead. We will continue to monitor the project to ensure the controls that are in place remain effective.

PASI OF LA Inc. Project Representative Signature :

[Redacted] (b)(6)

Employee Signature

[Redacted] (b)(6)

**Section 13**

**Air Sampling Results Notification Form**

To: [Redacted]  
From: [Redacted] (b)(6)  
Subject: Lead Air Sample Exposure Notification Form  
Date: 1/23/15  
Project: R Stone Renovation

---

Your 8 hour TWA  
Lead exposure result :

Your Lead Exposure was :

Controls in Place:

[Redacted] (b)(6)

**Methods of Compliance:**

At this time, the controls that are in place are more than adequate at protecting one from over-exposure to lead. We will continue to monitor the project to ensure the controls that are in place remain effective.

PASI OF LA Inc. Project Representative Signature :

[Redacted] (b)(6)

Employee Signature

[Redacted] (b)(6)

**Section 13**

**Air Sampling Results Notification Form**

To: [Redacted] (b)(6)  
From: [Redacted] (b)(6)  
Subject: Lead Air Sample Exposure Notification Form  
Date: 1/23/15  
Project: Boston Renovation

---

Your 8 hour TWA  
Lead exposure result :

Your Lead Exposure was :

Controls in Place:

[Redacted] (b)(6)

**Methods of Compliance:**

At this time, the controls that are in place are more than adequate at protecting one from over-exposure to lead. We will continue to monitor the project to ensure the controls that are in place remain effective.

PASI OF LA Inc. Project Representative Signature :

[Redacted] (b)(6)

Employee Signature :

[Redacted] (b)(6)

Section 13

**Air Sampling Results Notification Form**

To:

From:

(b)(6)

Subject: Lead Air Sample Exposure Notification Form

Date:

6/23/15

Project:

B Stone Renovation

---

Your 8 hour TWA

Lead exposure result :

Your Lead Exposure was :

Controls in Place:

(b)(6)

**Methods of Compliance:**

At this time, the controls that are in place are more than adequate at protecting one from over-exposure to lead. We will continue to monitor the project to ensure the controls that are in place remain effective.

PASI OF LA Inc. Project Representative Signature :

(b)(6)

Employee Signature

(b)(6)

**Edge, Jason F. (SSC-DA00)**

---

**From:** (b)(6)  
**Sent:** Friday, February 13, 2015 5:19 PM  
**To:** Edge, Jason F. (SSC-DA00); KIMBROUGH, KENNETH L. (SSC-DA20); Kooamphorn, Dao (SSC-DA10); Sanders, Claude B. (SSC-RA10)  
**Subject:** Fw: B2 Test Stand Work Package 3 & 4  
**Attachments:** (b)(6) Lead Inspector certification.pdf

Mr. Edge,

To clarify my access request:

(b)(6) will only need access around the stand North of the Flame Bucket, East Side of B2 and the South Side of Stand of B1, Hardcore and B2. He will not go into the building.

Please let me know if this is acceptable.

Thanks

(b)(6)  
----- Forwarded by (b)(6) PA/EGS/EMCORGROUP on 02/13/2015 05:11 PM -----

**From:** (b)(6)  
**To:** "Edge, Jason F. (SSC-DA00)" <jason.f.edge@nasa.gov>, "KIMBROUGH, KENNETH L. (SSC-DA20)" <kenneth.l.kimbrough@nasa.gov>, "Kooamphorn, Dao (SSC-DA10)" <kanokwan.kooamphorn@nasa.gov>  
**Cc:** "Sanders, Claude B. (SSC-RA10)" <claudie.b.sanders@nasa.gov>  
**Date:** 02/13/2015 03:49 PM  
**Subject:** B2 Test Stand Work Package 3 & 4

Mr Edge,

This will serve to request access to the Test Stand B for (b)(6) with OHC, our third party IH firm for these projects.

(b)(6) needs access to conduct air sampling and wipe testing to help us be in position to respond to the lead clean up effort as soon as approved by NASA.

Attached is (b)(6) Lead Inspector Certification in the state of Mississippi.

Please advise if this is acceptable.

We will have 16 trained and certified abatement workers in the area Monday AM going through Gulf Coast Safety training, etc. in preparation of beginning clean up efforts as soon as their certifications are approved, scope of work is determined and we are approved to begin lead clean up, by NASA. We will have as many more personnel as necessary following that.

I've got a call into Robert Gargulio to discuss and coordinate.

Thank you,

(b)(6)

HPA

**Edge, Jason F. (SSC-DA00)**

---

**From:** (b)(6)  
**Sent:** Friday, February 13, 2015 4:31 PM  
**To:** Edge, Jason F. (SSC-DA00)  
**Cc:** (b)(6) KIMBROUGH, KENNETH L. (SSC-DA20); Sanders, Claude B. (SSC-RA10); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) A (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6) (SSC-JACOBS)[ERICA LANE ENTERPRISES (SSC)]; (b)(6) Robinson, Barry E. (SSC-EA61)  
**Subject:** NNS14AA30T- Wk Pkg 3 -Response to 3 items from Nasa letter January 27, 2015  
**Attachments:** HPA041 Response to 27 January 2015 Request with attachment.pdf

Mr. Edge- attached please find response to 3 items from Nasa letter January 27, 2015

Thank you,  
(b)(6)  
Regional Administrator  
Harry Pepper & Associates, Inc

(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.



4202 Saturn Drive  
Stennis Space Center, MS 39529  
Phone 228-689-0246  
Fax 228-689-0245

13 February 2015

HPA-041

Mr. Jason Edge  
Contracting Officer  
John C. Stennis Space Center  
Stennis Space Center, MS 39529-6000

Subject: B2 Test Stand Restoration Work Package 3  
Task Order: NNS14AA30T  
Information Requested 27 January 2014

Dear Mr. Edge:

In response to the three items requested in NASA's 27 January 2015 letter please find the following:

1. PASI's Mississippi Lead Based Paint Firm Certification
2. Proof of Training and Application to the State of Mississippi for Mr. Mark Michels for LBP Abatement Supervisor.  
Certificate of Training for Employees
3. PASI from this point forward is going to utilize the previously approved accredited laboratory.

Sincerely,

HARRY PEPPER & ASSOCIATES, INC.

(b)(6)

Senior Project Manager

Area Office  
6706 N. 9<sup>th</sup> Avenue • Suite A-7  
Pensacola, FL 32504  
Phone: 850-471-9590 • Fax: 850-741-9592

Corporate Office  
9000 Regency Square Boulevard • Suite 100  
Jacksonville, FL 32211  
Phone: 904-721-3300 • Fax: 904-721-5222



STATE OF MISSISSIPPI  
PHIL BREANT  
GOVERNOR  
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY  
GARY C. RINARD, EXECUTIVE DIRECTOR

February 12, 2015

PASI of LA Inc  
15525 Knox Drive  
Baton Rouge, Louisiana 70817

Re: Certificate of Licensure  
Lead Renovator Firm Certification

Your application for certification as a Lead Renovator Firm has been approved by the Lead Certification Branch in accordance with the Mississippi Regulations for Lead-Based Paint Activities, Miss. Code Annotated Sections 49-17-501 through 49-17-531. Your Mississippi Certification number is NBF-00000511 which is reflected on your enclosed Mississippi Certification identification card or certificate.

Your Mississippi Certification is valid through Feb 11th, 2016. In order to maintain certification as a Lead Renovator Firm, you must renew your license on or before the expiration date stated on your card or certificate and pay the renewal fee. If you should continue to perform lead-based paint activities after the expiration date, you will be in violation of the Mississippi Regulations for Lead-Based Paint Activities and may be cited for non-compliance.

It is your responsibility to ensure that you have met all the requirements for renewal of your lead certification.

If you have any questions, please feel free to contact (b)(6)

Sincerely,

(b)(6)

(b)(6)

P.E., Chief  
Asbestos & Lead Certification Branch

Enclosure

67242 LIC20150002

# *State of Mississippi*

*Department of Environmental Quality  
Office of Pollution Control*

## *Certificate of Licensure*

In accordance with the Lead-Based Paint Activity Accreditation and Certification Act,  
Mississippi Code Annotated Sections 49-17-501 through 49-17-531

Be it known that

*PASI of LA Inc*

Having submitted acceptable evidence of qualifications and other  
appropriate information, is hereby granted this

*Lead Renovator Firm  
Certification*

*Certificate No.: NBF-00000511  
Expiration Date: Feb 11th, 2016*

  
*Chief, Asbestos & Lead Certification Branch*



STATE OF MISSISSIPPI  
TO PROTECT  
THE PEOPLE  
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY  
GARY C. RUSSELL, JR., CHIEF OF BUREAU

February 6, 2015

PASI of LA, Inc.  
15525 Knox Drive  
Baton Rouge, Louisiana 70817

Re: Certificate of Licensure  
Lead Based Abatement Firm Certification

Your application for certification as a Lead Based Abatement Firm has been approved by the Lead Certification Branch in accordance with the Mississippi Regulations for Lead-Based Paint Activities, Miss. Code Annotated Sections 49-17-501 through 49-17-531. Your Mississippi Certification number is PBF-00000511 which is reflected on your enclosed Mississippi Certification identification card or certificate.

Your Mississippi Certification is valid through Jan 28th, 2016. In order to maintain certification as a Lead Based Abatement Firm, you must renew your license on or before the expiration date stated on your card or certificate and pay the renewal fee. If you should continue to perform lead-based paint activities after the expiration date, you will be in violation of the Mississippi Regulations for Lead-Based Paint Activities and may be cited for non-compliance.

It is your responsibility to ensure that you have met all the requirements for renewal of your lead certification.

If you have any questions, please feel free to contact (b)(6)

Sincerely,

(b)(6)

(b)(6)

P.F., Chief  
Asbestos & Lead Certification Branch

Enclosure

67242 LIC20150001

OFFICE OF POLLUTION CONTROL

P.O. Office Box 2261 • Jackson, Mississippi 39225-2261 • Tel. (601) 961-5771 • Fax: (601) 344-5612 • www.deq.state.ms.us  
AN EQUAL OPPORTUNITY EMPLOYER





# Mississippi Department of Environmental Quality

## Lead-Based Paint Certification/Re-certification Application for Individuals

1. Type of Certification and Fees			<input checked="" type="checkbox"/> Initial Certification		<input type="checkbox"/> Re-certification			
Check the box(es) for the type of certification for which you are applying. For explanation regarding the training and education requirements associated with each individual discipline, please refer to Rule 9.4 of the Regulations for Lead-Based Paint Activities, or the certification requirement information attached.								
a	<input type="checkbox"/> Lead Inspector	\$150	b	<input type="checkbox"/> Lead Risk Assessor	\$150	c	<input type="checkbox"/> Lead Project Designer	\$150
d	<input checked="" type="checkbox"/> Lead Supervisor	\$150	e	<input type="checkbox"/> Lead Renovator	*\$75	f	<input type="checkbox"/> Lead Dust Sampling Tech.	\$150
*NOTE: The 1 <sup>st</sup> and 2 <sup>nd</sup> Certified Renovators associated with a Certified Firm are exempt from the certification fee.								
Please enclose applicable fees for each certification requested in the form of check or money order payable to Mississippi Department of Environmental Quality (please note 'LEAD' on your check or money order).								
2. Application Information								
Date of Application 2/12/15			Social Security Number (Last four digits) (b)(6)					
Last Name (b)(6)		First Name (b)(6)		MI (b)(6)				
Applicant Street Address (b)(6)								
City (b)(6)		State (b)(6)		Zip (b)(6)				
Age (b)(6)	Sex (b)(6)	Height (b)(6)		Weight (b)(6)				
Phone Number (b)(6)		Fax Number		E-mail (b)(6)				
Is this Renovator the 1 <sup>st</sup> or 2 <sup>nd</sup> Certified Renovator associated with this Certified Firm? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO								
3. Firm Information (Without a certified firm, this application will not be processed.)								
Company Name PASI of LA, Inc								
Company Address 15525 Knox Dr								
City Baton Rouge		State LA		Zip 70817				
Phone Number (b)(6)		Fax Number 225 751 0666						
Primary Contact Person (b)(6)		Lead Firm Certification Number NBF-0000511						
4. Education Information								
Refer to the certification requirement information enclosed for education requirements specific to the discipline for which you are applying. Complete all applicable information below.								
Circle last grade of school completed 7 8 9 10 11 (12) GED College Graduate School								
High School/College		Location (City & State)		Degree Received		Degree Completion Date		
(b)(6)		(b)(6)		(b)(6)		(b)(6)		

<b>Previous Employer</b>			
Please list previous employer and supervisor who are able to verify the work experience.			
Company <b>South Gulf, Inc</b>			
Supervisor's Name <b>(b)(6)</b>		Dates of Employment <b>10/1996-10/2011</b>	
Street Address <b>811 S. Depot</b>			
City <b>Bonifay</b>	State <b>FL</b>	Zip <b>32425</b>	Phone Number <b>8505470920</b>
<b>Experience</b>			
For work experience, the Department shall recognize a resume or letter of reference from a current or previous employer as evidence of meeting the work experience requirements. Work history should indicate inclusive dates of experience, employer's name, address and phone number, positions held, projects completed and job responsibilities held during the projects.			
_____			
_____			
_____			
<b>Professional Registration (for Project Designer Certification)</b>			
<input type="checkbox"/> Professional Engineer <input type="checkbox"/> Licensed Architect			
State in which Registered/Licensed _____			
Registration/License Number _____			
<b>Affidavit</b>			
I certify that the information contained herein and attached hereto is true and complete.			
<b>(b)(6)</b>		_____	Current Certification Number if Re-certifying
_____		_____	<b>2/12/15</b>
_____		_____	Date of Application

Please remit application and all requested information including applicable fees to either of the following addresses:

Mississippi Department of Environmental Quality  
P.O. Box 2339  
Jackson, Mississippi 39225

Mississippi Department of Environmental Quality  
Lead Fees  
700 North State Street  
Jackson, Mississippi 39202

Page 90 redacted for the following reason:

-----

(b)(4)



# CERTIFICATE OF TRAINING

LEAD Worker Training Program

State of Louisiana

(b)(6)

(b)(6)

TSCA Title IV, 40 C

Approved

## LEAD WORKER INITIAL

Presented by

Metrolab Environmental Training Services, Inc  
1000 Veterans Memorial Blvd, Suite 100 - Kenner, LA 70062  
Phone: (504) 468-7708 Fax: (504) 468-7708

For your records and protection, please print your name and address. This document contains fraudulent statements or representations prohibited by TSCA Title IV, 40 CFR 74.101-103, 105-107.

Initial

(b)(6)

Creation Date: 02/13/2015 09:15

Creation User: (b)(6)

Print Date: 02/13/2015 09:15

Expiration Date: 02/13/2017

(b)(6)



# CERTIFICATE OF TRAINING

LEAD Worker Training Program

Training Worksheet

(b)(6)

(b)(6)

LEAD Worker Training Program is required by TSCA Title IV, 40 CFR 743.101-103

LEAD WORKER INITIAL

Employee Name

Services, Inc  
- Kenner, LA 70062  
(504) 468-7708

This certificate is valid for one year from the date of issuance. It is subject to the provisions of TSCA Title IV, 40 CFR 743.101-103.

(b)(6)

Employee Name

(b)(6)

Completion Date: 02/13/2015

Certificate Number:

(b)(6)

Training Date: 02/13/2015

Expiration Date: 02/13/2016

(b)(6)



# CERTIFICATE OF TRAINING

LEAD TRAINING Program

For use only by:

(b)(6)

(b)(6)

TSCA Title IV, 40 CFR

## LEAD WORKER INITIAL

Services, Inc  
~ Kenner, LA 70062  
(504) 468-7708

audulent statements or representations made by TSCA Title IV, 40 CFR 74.101(a)(2)(ii)(B), (2)(iii)

Date:

(b)(6)

Course Number: [redacted]  
Course Title: [redacted]

(b)(6)

Issue Date: 02/13/2015  
Expiration Date: 02/13/2018

(b)(6)

# CERTIFICATE OF TRAINING

LEAD Worker Training Program

NAME of Trainee: (b)(6)

(b)(6)

(b)(6)

TSCA Title IV, 40 C.F.R. 74.103

## LEAD WORKER INITIAL

Services, Inc

Kenner, LA 70002

(504) 468-7708

fraudulent statements or representations made by TSCA Title IV, 40 CFR 74.103

(b)(6)

Company Name  
Certificate Number

(b)(6)

Issue Date: 02/13/2015  
Expiration Date: 02/13/2018

(b)(6)



# CERTIFICATE OF TRAINING

LEAD Worker Training Program

Issued to:

(b)(6)

(b)(6)

issued pursuant to TSCA Title IV, 40 CFR 74.101-74.103

## LEAD WORKER INITIAL

Issued by:  
Environmental Training Services, Inc  
1001 Westbank Avenue, Suite 1000 - Kenner, LA 70062  
Phone: (504) 468-7708

This certificate is issued only after the recipient has passed an examination and is not valid if used for fraudulent statements or representations made in violation of TSCA Title IV, 40 CFR 74.101-74.103.

Date:

(b)(6)

Course Title:

Course Number:

(b)(6)

Issue Date: 02/13/2015

Expiration Date: 02/13/2017

(b)(6)

# CERTIFICATE OF TRAINING

LEAD WORKER INITIAL

NAME: (b)(6)

(b)(6)

(b)(6)

THIS CERTIFICATE IS VALID FOR THE PURPOSES OF TSCA Title IV, 40 CFR 74.101-74.103.

## LEAD WORKER INITIAL

PROVIDER:

Mendon Environmental Training Services, Inc  
1000 Westwood Industrial Blvd, Suite 100  
Kenner, LA 70062  
Phone: (504) 468-7708

THIS CERTIFICATE IS VALID FOR THE PURPOSES OF TSCA Title IV, 40 CFR 74.101-74.103.

Date:

(b)(6)

Course Title: (b)(6)

Certificate Number:

(b)(6)

Issue Date: 02/13/2015

Expiration Date: 02/13/2018

(b)(6)



# CERTIFICATE OF TRAINING

LEAD Worker Training Program

Participant Name:

(b)(6)

(b)(6)

This certificate is issued in accordance with the requirements of TSCA Title IV, 40 CFR 745.101-104, 106-107, 109-110.

## LEAD WORKER INITIAL

Participant Name:

Lead Worker Training Services, Inc  
1100 Westbank, Suite 500, Metairie, LA 70005  
Phone: (504) 885-9950 Fax: (504) 468-7708

This certificate is issued in accordance with the requirements of TSCA Title IV, 40 CFR 745.101-104, 106-107, 109-110. It is issued to the participant upon successful completion of the training program. The participant is prohibited from making any fraudulent statements or representations in connection with this certificate.

Employee ID:

(b)(6)

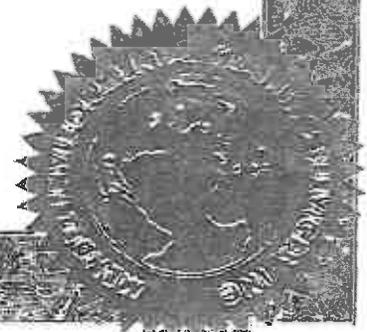
Completion Date:

Certificate Number:

(b)(6)

Issue Date: 02/13/2015  
Expiration Date: 02/13/2018

(b)(6)



# CERTIFICATE OF TRAINING

LEAD Training Program

Participant Name

(b)(6)

(b)(6)

Participant Name: (b)(6) TSCA Title IV, 40 CFR 74.101-101.101

## LEAD WORKER INITIAL

Provided by

Lead Worker Training Services, Inc  
1000 Lakeshore Drive, Suite 100  
Kenner, LA 70062  
(504) 468-7708

Participant Name: (b)(6) TSCA Title IV, 40 CFR 74.101-101.101

Signature

(b)(6)

Course

Certificate Number

(b)(6)

Issue Date: 02/13/2015  
Expiration Date: 02/13/2018

(b)(6)



# CERTIFICATE OF TRAINING

LEAD Worker Training Program

Participant Name:

(b)(6)

(b)(6)

Issued by: **TSCA Title IV, 40 CFR 74.101-74.103**

## LEAD WORKER INITIAL

Issued by: **Environmental Training Services, Inc**  
1000 Lakeside Blvd, Suite 1000 - Kenner, LA 70062  
Phone: (504) 468-7708 Fax: (504) 468-7708

This certificate is issued to the holder as evidence of training. It is not valid if used for fraudulent statements or representations. Issued by TSCA Title IV, 40 CFR 74.101-74.103

Date: (b)(6)

Certificate Number: (b)(6)

Issue Date: 02/13/2015  
Expiration Date: 02/13/2016 (b)(6)



# CERTIFICATE OF TRAINING

## LEAD Training Program

*This is to certify that*

(b)(6)

(b)(6)

Has completed 16 hours of training and **PASSED** the test required by TSCA Title IV, 40 CFR 745 & LAC 33: III.2805, entitled

## LEAD WORKER INITIAL

Presented by

Mendez Environmental Training Services, Inc  
1005 Veterans Memorial Blvd, Suite 1011 ~ Kenner, LA 70062  
Phone: (504) 468-8858 ~ Fax: (504) 468-7708

\*Under civil and criminal penalties for law for the making or submission of false or fraudulent statements or representations (R.338-2025),  
We certify that the above information meets the applicable requirements of training by TSCA Title IV, 40 CFR 745 & LAC 33: III.2805 \*

Director

(b)(6)

Course Date: 02/12-13/2015

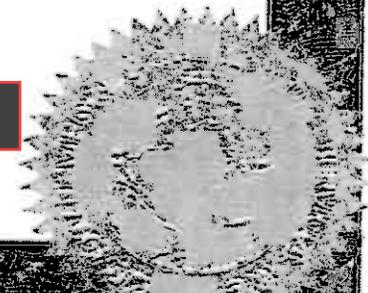
Certificate Number:

(b)(6)

Test Date: 02/13/2015 Grade:

(b)(6)

Expiration Date: 02/13/2016





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.  
NNS14AA30T

NEW SUBMITTAL  
 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)  
200H0-GA04 02 08 50- Laboratory Certs (PASI)

PROJECT TITLE AND LOCATION  
SL43QWFB00-03 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

### Laboratories Listed Alphabetically by Location

[Last Updated: 01/27/2015]

#### United States

##### Alabama

###### Lab Corp

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

##### Arizona

###### Senora Quest Laboratories

(b)(6)  
1255 West Washington  
Tempe, AZ 85281  
Phone: (b)(6)  
Fax 602-685-5028  
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  
Monclair, CA 91763  
909-445-9727

###### BioReference Laboratories, Inc.

(b)(6) PhD, CLS, MT(ASCP), Laboratory Manager  
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Campbell, CA 95008-5320  
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###### 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

Victoria Coleman  
4000 S Saginaw Street  
Flint, MI 48507  
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Fax: 810-396-5704

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###### 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

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###### 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

01D0301471

## 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. 263a) 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)

Division of Laboratory Services  
Survey and Certification Group  
Centers for Medicare and Medicaid Services

143 Cert2\_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:

LAB CERTIFICATION (CODE)	EFFECTIVE DATE	LAB CERTIFICATION (CODE)	EFFECTIVE DATE
BACTERIOLOGY (110)	07/24/1995	ANTIBODY TRANSFUSION (520)	07/22/2006
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.



*Adhucum, 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: 1540901  
AU-ID: 1181240  
CLIA Number: 01D0301471

*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.

(b)(6)

Chair, Commission on Laboratory Accreditation

(b)(6)

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



# CERTIFICATE OF LIABILITY INSURANCE

PASIO-1

OP ID: JL

DATE (MM/DD/YYYY)  
07/01/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Tyner Jeter Insurance Agency 5139 Blusbonnet Blvd Baton Rouge, LA 70809 (b)(6)		<b>CONTACT</b> NAME: (b)(6) PHONE (A/C No): (b)(6) E-MAIL: (b)(6) ADDRESS: (b)(6)	<b>FAX</b> (A/C No): 225-372-2078
<b>INSURED</b> PASI of LA., Inc. 15525 Knox Drive Baton Rouge, LA 70817		<b>INSURER(S) AFFORDING COVERAGE</b> INSURER A: Crum & Forster Specialty Ins. INSURER B: AIG Specialty INSURER C: INSURER D: INSURER E: INSURER F:	

**COVERAGES**      **CERTIFICATE NUMBER:**      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

NSN LTR	TYPE OF INSURANCE	ADDL SUBR INSD WYVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCLR <input checked="" type="checkbox"/> pollution 8000000 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	X X	EPK104522	06/23/2014	06/23/2015	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Per occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AQG
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	X X	EPK104522	06/23/2014	06/23/2015	COMBINED SINGLE LIMIT (Per accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCLR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE CED:      RETENTION:					EACH OCCURRENCE AGGREGATE
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY <input checked="" type="checkbox"/> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N Y N/A	66455987	06/23/2014	08/23/2015	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER EL EACH ACCIDENT EL DISEASE - EA EMPLOYEE EL DISEASE - POLICY LIMIT

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
see holder notes

<b>CERTIFICATE HOLDER</b>  HARRY PEPPER  Harry Pepper & Associates, Inc. 9000 Regency Square Blvd, #100 Jacksonville, FL 32211	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE (b)(6)
--	--

**NOTEPAD:**HOLDER CODE HARRYPE  
INSURED'S NAME PASI of LA., Inc.PASIO-1  
OP ID: JLPAGE 2  
Date 07/01/2014

RE: B2Test Stand, John C. Stennis Space Center, MS-Lead-Based Paint  
Abatement Services, Stennis Space Center B2Test Stand Restoration; Building  
#4221, John C. Stennis Space Center, MS 39529

Harry Pepper & Associates, Inc. & NASA are named as additional insured under the general liability policy. A waiver of subrogation is included on all policies in favor of Harry Pepper & Associates, Inc. its affiliates, directors, officers and employees and all other parties if required by contract. Any cancellation or material change adversely affecting the government or the contractor shall not be effective for such periods as may be prescribed by the law of the state in which the contract is performed and in any event not less than thirty days after written notice to the contractor. Except 10 days for non payment of premium.

### **Lead Blast Media Clean-up Procedure – Inside containment**

1. PASI will be conducting the blast media clean-up activity. OHC has not established any employee exposure levels during the clean-up of blast media inside the containment.

***PASI collected clean up sampling data on 21, 22, 24, 26, & 27 January 2015: On 22 January, the 8 hr TWA sample indicated an exposure of 700 µg/m<sup>3</sup>. What actions will HPA take to minimize exposures at this level?***

2. All PASI employees have the proper training as a certified Lead supervisor and Lead workers. PASI will use 4 laborers inside the containment responsible for removing the blast media and two laborers outside the containment to move the vacuum cleaner hoses and observe for any leaks in the containment. One laborer will be dedicated to the maintenance of the decontamination facility and one laborer on ground level operating the equipment. Two additional laborers will be available as needed.

***Ground level is assumed to be the exhaust systems (Vac-Loader). Are more than one person necessary for the ground equipment operations?***

3. **Decontamination Facility:** PASI shall construct a three stage wet decontamination facility, adjacent to the work area, as the mean of egress and ingress into the work area. All PASI personnel will enter the work area through the decontamination chamber and don the respirator, gloves and coveralls. All PASI personnel exit the work area through the decontamination facility. Workers shall remove the (*disposable*) coveralls and gloves in the dirty room, proceed to the shower area, while still wearing the respiratory protection, remove the respirator in the shower area and proceed to the clean room to don street clothes. Workers will not be required to shower when exiting for break only but will be required to wash hands and face prior to consuming any food or drinks. Workers will be required to shower at lunch time and at the end of every day before leaving the site.

***Need an airlock between the containment and decontamination area.***

***Clarify the statement: "Workers will not be required to shower when exiting for break only but will be required to wash hands and face prior to consuming any food or drinks." Where will food or drink be consumed during breaks?***

***Provide a detailed description of the 3 stage wet decontamination system.***

***Provide a detailed description/sequence of the donning and doffing PPE. Provide the locations within the 3 stage decontamination for donning/doffing the PPE.***

***For hand and face washing, will this be a separate system from the showers?***

4. **Diminished Pressure:** PASI shall establish diminished in the containment using a 20,000 CFM dust collector. The negative pressure will be monitored continuous monitor.

***Provide the criteria for the diminished pressure? What are the action levels? What are the procedures/ if the negative pressure is not maintained? Are there alarms, lights, signals, etc? Is this actively being monitored and documented? Is this real time recorded?***

**5. Demarcation of the Work Area:** Proper warning signs and labels shall be posted around the work area. PASI shall install physical boundaries, in the form of warning tape and signs, at least 20 feet away from the work area or as practical as possible. The warning signs shall have the following legends.

**WARNING  
LEAD WORK AREA  
POISON  
NO SMOKING OR EATING**

**6. Worker Protection:** All personnel entering the work area, for clean-up activities, must don full face respiratory protection, gloves and full disposable coveralls. Workers may wear a re-usable coveralls under the disposable coveralls during the cold weather, these coveralls will be washed in the Eagle decontamination trailer and the water will be filtered through a 1 micron filter. Upon exiting the work area workers will remove the gloves and (*disposable*) coveralls in the dirty room, remove the reusable coverall in the dirty room for re-use, and proceed to the shower where they will remove the respirator in the shower and take a shower.

*Provide a detailed description/sequence of the donning and doffing PPE. Provide the locations within the 3 stage decontamination for donning/doffing the PPE. Doffing the inner reusable coveralls in the decontamination room would expose the street clothes to possible contamination. Donning clean tyvek outer garment must be done in a clean area. Where are respirators being cleaned and stored?*

**7. Work Procedure:** Prior to any clean-up activity PASI will reinforce and seal the containment to prevent any breach in the containment. PASI will extend the containment to the 9<sup>th</sup> level to prevent any leaks from the bottom level of the containment. All surfaces shall be HEPA vacuumed, using the Vac-Loader. The Vac-Loader will exhaust directly into the hazardous waste roll off container. The exhaust will be sealed around the container. All waste material shall be disposed of in 6 mil poly bags, double bagged and disposed of in the hazardous waste container. All waste generated during the HEPA vacuuming process is (*shall be*) double bagged and disposed (*stored*) of in the hazardous waste container.

*Need an airlock between the containment and decontamination area.  
Need air and wipe samples at the waste container and Vac-Loader exhaust.*

**8. Employee exposure monitoring:** ●HC will continue monitoring employee exposure level on a daily basis for the blasters and laborers. ●HC will monitor 25% of the employees.

- ✓ *There are no **BLAST** operations permitted under this plan*
- ✓ *The monitoring of 25% of the employees shall be personal air samples (area samples shall not be used to approximate exposures.*
- ✓ *Air samples outside and below/above the containment*
- ✓ *Require wipe samples of clean room floor to verify contamination is not leaving the decon/shower into clean room.*

**Lead Clean-up plan other than inside of containment**

*Explain the areas meant by the title*

1. Air samples collected on ADS personnel, while cleaning the soft core, have been below the Action Level.

*Has this data been provide to NASA?*

2. All ADS employees have the proper training as a certified Lead supervisor and Lead workers.

3. **Critical Barriers:** ADS will isolate the soft core by installing critical barriers (**of**) 2 layers of six mil poly. over the elevator doors and on the 10<sup>th</sup> level deck area and stairwell.

4. **Decontamination Facility:** ADS shall construct a two stage, one clean room and one dirty room, dry decon on the 11<sup>th</sup> floor as the mean of egress and ingress into the work clean-up area. All ADS personnel will enter the work area through the decontamination chamber and don the respirator and coveralls. When working outside the softcore ADS will use the remote Eagle trailer for decontamination.

*Explain how the 2 stage is adequate for the contamination clean up?*

*Provide a detailed description/sequence of the donning and doffing PPE. Provide the locations within the 2 stage decontamination for donning/doffing the PPE. Doffing the inner reusable coveralls in the decontamination room would expose the street clothes to possible contamination. Donning clean tyvek outer garment must be done in a clean area. Where are respirators being cleaned and stored?*

5. **Demarcation of the Work Area:** Proper warning signs and labels shall be posted around the work area. ADS shall install physical boundaries, in the form of warning tape and signs, at least 20 feet away from the work area or as practical as possible. the warning signs shall have the following legends

**WARNING  
LEAD WORK AREA  
POISON  
NO SMOKING OR EATING**

*Define how HPA will define and demark the regulated areas?*

6. **Worker Protection:** All personnel entering the work area for clean-up activities must don half face respiratory protection, gloves and full disposable coveralls. Upon exiting the work area workers will remove the gloves and coveralls in the dirty room and remove the respirator in the clean room. Workers shall immediately proceed to a hygiene facility to wash hands and face before consuming any food or drink.

*Where are respirators being cleaned and stored?*

*Provide exposure data that supports a half face respirator versus a full face respirator.*

*What and where is the hygiene facility?*

**Precautions, Processes and Procedures in place to prevent recontamination of the interior of the Test Stand level 10 through the basement.**

The following precautions will be implemented:

1. Construct critical barriers on the elevator and stairwell separating level 11 to 10 and at elevator doors level 11-18. Do not allow use of building elevators by construction personnel. Maintain integrity of critical barriers and containment by inspecting daily.
2. Access to the Hard Core will be for IH personnel only for testing purposes.
3. Establish 3 stage decon for the work in the containment and two stage decon. for the clean-up activity outside the work area.
4. Maintain containment under diminished pressure at all time. Monitor the diminished pressure using a continuous monometer.
5. Proper decontamination of all personnel leaving the work area.
6. OHC shall continuously monitor all activities of both contractor(s) to ensure compliance with procedures established.

***Need to discuss the 2 stage decontamination***

***Define how the critical barriers will be constructed?***

***Define the emergency egress plans for the personnel***

***IH personnel shall not use the Hardcore for access into the containment area. IH use of the hard core shall only be used to perform air monitoring below the containment only.***

***HPA and their subcontractors shall immediately notify the Contracting Officer of any breaches in containment and/or cross contamination of cleaned areas.***

***Any changes to the approved cleaning plans shall be approved by the Contracting Officer.***

**7. Work Procedure:** Cleaning shall be conducted using a two-step process. All surfaces are (*shall be*) HEPA vacuumed then wet wipe with a solution of water and Spic & Span. The wipes are used once then folded inside out and wiped again then discarded. All the wipes are collected. All waste rags are disposed of in 6 mil poly bags, double bag and disposed of in the hazardous waste container. All waste generated during the HEPA vacuuming process is double bagged and disposed (*stored*) of in the hazardous waste container.

***Are the used wipes the same as the "waste rags"?***

**8. Employee exposure monitoring:** OHC will continue monitoring employee exposure level on a daily basis. OHC will monitor 25% of the employees.

***Require air sampling inside and outside of containment area.***

***The monitoring of 25% of the employees shall be personal air samples (area samples shall not be used to approximate exposures.***

***Require floor wipe sample of "clean room" floor to verify contamination is not leaving the clean room.***

***Would "tack strip" outside the clean stage minimize cross contamination?***

**Precautions, Processes and Procedures in place to prevent recontamination of the interior of the test stand level 10 through the basement.**

The following precautions will be implemented:

1. Construct critical barriers on the elevator and stairwell separating level 11 to 10 and at elevator doors levels 11 – 18. Do not allow construction personnel to use the building elevators

2. Do not allow access to Hard Core by construction personnel

***(cleaning crews and outside construction crews shall not use hard core (basement/mezzanine & levels 1-11) or interior elevators).***

3. Maintain integrity of critical barriers and containment.

4. Establish 2 stage decon for the clean-up activity.

5. Proper decontamination of all personnel leaving the work area.

6. OHC shall continuously monitor all activities of contractor to ensure compliance with procedures established.

***Need to discuss the 2 stage decontamination***

***Define how the critical barriers will be constructed?***

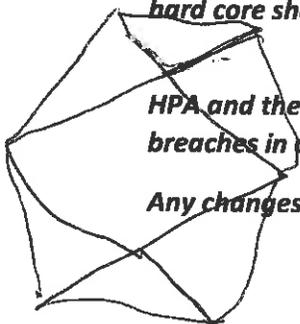
***How do you ensure you don't re-contaminate the cleaned areas?***

***Define the emergency egress plans for the personnel***

***IH personnel shall not use the Hardcore for access into the containment area. IH use of the hard core shall only be used to perform air monitoring below the containment only.***

***HPA and their subcontractors shall immediately notify the Contracting Officer of any breaches in containment and/or cross contamination of cleaned areas.***

***Any changes to the approved cleaning plans shall be approved by the Contracting Officer.***



**KIMBROUGH, KENNETH L. (SSC-DA20)**

---

**From:** Byrd, Mary R. (SSC-RA00)  
**Sent:** Thursday, February 19, 2015 9:40 AM  
**To:** Gargiulo, Robert F. (SSC-QA20); Douglas, Freddie (SSC-QA00)  
**Cc:** Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); (b)(6) (JSC-NT411); SOUTHERS, ROBERT L. (SSC-QA10); KIMBROUGH, KENNETH L. (SSC-DA20)  
**Subject:** RE: Recommendation to allow Harry Pepper & Associates to start cleaning operations

I concur with minor edits/comments/questions shown below.

---

**From:** Gargiulo, Robert F. (SSC-QA20)  
**Sent:** Thursday, February 19, 2015 9:31 AM  
**To:** Douglas, Freddie (SSC-QA00); Byrd, Mary R. (SSC-RA00)  
**Cc:** Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); Gargiulo, Robert F. (SSC-QA20); Baldwin, Arnold B. (JSC-NT411); SOUTHERS, ROBERT L. (SSC-QA10); KIMBROUGH, KENNETH L. (SSC-DA20)  
**Subject:** Recommendation to allow Harry Pepper & Associates to start cleaning operations

Freddie and Mary,

Harry Pepper and Associates (HPA) has requested permission to perform the limited scope of work listed below. The lead clean-up plans HPA prepared to perform this work have been reviewed by NASA SMA and NASA IH and are acceptable. All of the necessary precautions, processes and procedures are included to perform this work safely. NASA SMA and IH will inspect their decontamination and cleaning facility and set-up prior to HPA starting cleaning operations. It is recommended to have NASA Procurement release them to perform this work immediately

V/R,

Robert

**B2 Test Stand Work Package 3 & 4  
Partial Suspension of Work**

**Limited Return to Work**

Improve Decontamination Facility to 3 stage configuration – Approval by OHC verification by NASA  
Add hard surface and secondary containment under the containment unit on Level 10  
Inspect scaffold and ensure integrity  
Vacuum recovery of grit in containment “gross clean” level 10 up to 19 and back down  
Clean up blast grit all levels-HEPA Vac and wipe  
Re activate construction hoist. PPE for operator until exposure level is determined. Construction hoist and exterior stairs will be the only allowable access.  
Clean soft core to clearance levels  
Accept and maintain critical barrier between level 11 & level 10 and at all elevator doors/entrances in Soft Core  
Perform Lead wipes and clearance samples for all levels of Soft Core (Do we want to specify how many or a minimum?)  
HEPA Vac and wet wipe all exterior surfaces of rental equipment South of the Stand  
Transfer grit from construction roll off container into a Hazmat Roll Off container provided by NASA and decon the existing dumpster. Clearance tests required

**Robert F. Gargiulo**  
**SMA Test Operations Support Lead**  
**SSC Safety & Mission Assurance (QA-20)**  
**Office: 228-688-3842**  
**Cell: 228-344-8664**  
**Fax: 228-688-3587**  
*MISSION FIRST, SAFETY ALWAYS!!!*

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



February 19, 2015

Reply to Attn of: Office of Procurement

Harry Pepper & Associates, Inc.  
9000 Regency Square Blvd, Suite 100  
Jacksonville, FL 32211-8115

**SUBJECT: Partial Suspension of Work Lifted (For the limited activities identified below) for Multiple Award Construction Contract (MACC) NNS12AA77B, Task Order NNS14AA30T, for Work Package # 3 on Stennis Space Center**

This letter is to follow up on the partial suspension of work issued February 12, 2015. Harry Pepper and Associates (HPA) are allowed to perform the following limited activities on the B 2 Test Stand.

1. HPA transmittal # 114 is hereby disapproved
2. Improve Decontamination Facility to 3 stage configuration—Approval by OHC verification by NASA
3. Add hard surface and secondary containment under the containment unit on Level 10
4. Inspect scaffold and ensure integrity
5. Vacuum recovery of grit in containment “gross clean” level 10 up to 19 and back down
6. Clean up blast grit all levels—HEPA Vac and wipe
7. Re activate construction hoist. PPE for operator until exposure level is determined. Construction hoist and exterior stairs will be the only allowable access.
8. Clean soft core to clearance levels
9. Accept and maintain critical barrier between level 11 & level 10 and at all elevator doors/entrances in Soft Core
10. Perform Lead wipes and clearance samples for all levels of Soft Core
11. HEPA Vac and wet wipe all exterior surfaces of rental equipment South of the Stand
12. Transfer grit from construction roll off container into a Hazmat Roll Off container provided by NASA and decon the existing dumpster. Clearance tests required

HPA is required to sample representative horizontal surfaces/floors/walls for clearance after cleaning. NASA will collect the verification samples for review by NASA. Once all the activities above are completed NASA will re-evaluate the remainder of the partial suspension of work.

If you have any questions, you may call me at 228-688-2346.



Jason Edge  
Contracting Officer

ACKNOWLEDGEMENT OF RECEIPT OF  
Task Order No. NNS14AA30T, Partial Suspension of Work Lifted (For limited activities identified  
above)

BY:



(b)(6)

(Printed Name)

DATE: 2/19/15

**Edge, Jason F. (SSC-DA00)**

---

**From:** (b)(6)  
**Sent:** Wednesday, February 25, 2015 9:15 AM  
**To:** Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); Gargiulo, Robert F. (SSC-QA20); Huk, James D. (SSC-DA00); KIMBROUGH, KENNETH L. (SSC-DA20)  
**Subject:** B Stand Subcontract Termination

Gentlemen;

Please be advised, PASI of LA has completed bulk recovery of the grit in the containment. HPA has terminated their contract and had exit Blood Level Test samples taken for their employees at the SSC Clinic. SSC Security collected their badges and escorted their personnel off base.

We will forward our proposed replacement team for your use and information as soon as we can.

Thank you,

(b)(6)

HPA

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



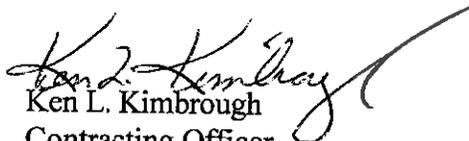
February 26, 2015

Copy to Attn of: **Office of Procurement**

Harry Pepper and Associates, Inc.  
Attn: Chip McCutcheon  
6706 N. 9<sup>th</sup> Ave., Suite A7  
Pensacola, FL. 32504

SUBJECT: B-Stand Lead Sample Data

Please acknowledge receipt of the attached CD containing the results of the air and wipe samples taken from the interior and exterior of the B Stand by executing the "Acknowledgement of Receipt" block herein and returning a copy of the acknowledgement letter to this office. If you have any questions regarding the data provided, please contact Mr. Freddie Douglas at 8-3538.

  
Ken L. Kimbrough  
Contracting Officer

ACKNOWLEDGEMENT OF RECEIPT OF  
Contract No. NNS12AA84B / Task Order NNS14AA30T, B-Stand Lead Sample Data

BY:



(Printed Name)

DATE:

02/26/15

**Edge, Jason F. (SSC-DA00)**

---

**From:** (b)(6)  
**Sent:** Thursday, February 26, 2015 11:57 AM  
**To:** Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); Gargiulo, Robert F. (SSC-QA20)  
**Cc:** KIMBROUGH, KENNETH L. (SSC-DA20); Huk, James D. (SSC-DA00)  
**Subject:** B Stand Update

Gentlemen,  
We completed testing of on the ground level on the South Side of the stand and forwarded results to NASA. Lead paint chips and burnt paint and from abatement / demo in Healthon's work area South of the Flame Bucket was noted.  
Inclement weather prevented work outside. Cleaning resumed in the Soft Core Level 18. It is taking aprox 1 shift per floor to re-clean.  
Work is progressing cleaning and clearing B1 from the top of the flame bucket up through Level 19 and B2 from the top of the Flame Bucket through Level 16.  
We expect B1 to be ready for clearance wipes by Close of Business today and B2 to be ready by the end of the night shift in tomorrow AM.  
Cleaning of the Soft Core is scheduled to be complete by COB Tuesday 3/3 and ready for clearance testing.  
Vac down inside the containment area will resume tomorrow AM and will take through the weekend to complete. This is necessary before a new painting contractor can inspect the prep. work done.

Thanks

(b)(6)

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



February 26, 2015

Reply to Attn of: **Office of Procurement**

Harry Pepper and Associates, Inc.  
Attn: (b)(6)  
6706 N. 9<sup>th</sup> Ave., Suite A7  
Pensacola, FL. 32504

Subject: Partial Suspension of Work for the Multiple Award Construction Contract (MACC) NNS12AA84B/Task Order NNS14AA30T, for the project entitled, "B2 Test Stand Restoration Work Package # 3" at Stennis Space Center, MS

The partial suspension of work implemented for the B-Test Stand on February 12, 2015 has been partially lifted. Limited access to the test stand has been restored as follows:

Starting at NOON ON FEBRUARY 26, 2015 the B-Test Stand is open for normal operations on all exterior areas on the ground and inside the Hardcore. For notification purposes, the Hardcore is considered to be from the Mezzanine to Level 10 of the Central Pier, East Pier, West Pier and Mezzanine areas.

For clarification, the following areas remain closed and access is restricted until further notification. Except for those engaged in the ongoing analysis or safety critical system checks, no one will be allowed access to these areas on the B-Test Stand until it is determined to be safe for workers and other personnel to return.

- All exterior levels on B-1 and B-2 from Level 7 to the top of each stand, with the exception of the exterior stairs on the Central Pier from Level 9 to the ground.
- Central Pier Soft Core Levels 11 to the roof
- East Pier stairwell from the Mezzanine to Level 1
- West Pier interior stairwells from Levels 2 to Level 10

Our focus/goal is to ensure the safety and health of all workers at the B-Test Stand and to ensure compliance with NASA, state and federal requirements. If you have any questions regarding this notice, please feel free to call me at 228-688-1827.

  
Ken L. Kimbrough  
Contracting Officer

ACKNOWLEDGEMENT OF RECEIPT OF

Contract No. NNS12AA84B/Task Order NNS14AA30T, Modification of Partial Suspension  
of Work

BY:

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

\_\_\_\_\_  
(Printed Name)

DATE:

\_\_\_\_\_

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



February 27, 2015

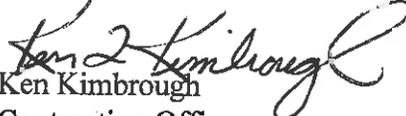
Reply to Attn of: **Office of Procurement**

Harry Pepper & Associates, Inc.  
9000 Regency Square Blvd, Suite 100  
Jacksonville, FL 32211-8115

**SUBJECT: Re-Occupancy Protocol for the Multiple Award Construction Contract (MACC) NNS12AA77B, Task Order NNS14AA30T, for B Stand Work Package #3 on Stennis Space Center**

Attached to this letter is guidance to contractor personnel returning to the B-Test Stand. Please follow these procedures and report any encountered safety hazards to your COR and Contracting Officer immediately.

Please acknowledge receipt of this notice by executing the "Acknowledgement of Receipt" block herein and returning a copy of the acknowledgement letter to this office. If you have any questions, you may call me at 228-688-1827.

  
Ken Kimbrough  
Contracting Officer

**ACKNOWLEDGEMENT OF RECEIPT OF  
Task Order No. NNS14AA30T, B Stand Re-Occupancy Protocol**

BY: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name)

DATE: \_\_\_\_\_

# B STAND RE-OCCUPANCY PROTOCOL

(As of February 26, 2015)

## Actions to Perform

NASA IH will provide Lead Awareness training to B Stand occupants post re-occupancy

- Good hygiene practice is to wash hands prior to eating, drinking, or putting any external source into your mouth; especially in an occupational area

Information boards will be placed at entrances at or near badge boards with routine weekly updates, to include the following information:

- Status of the B Stand – open areas, closed areas, etc.
- Status of area(s) – sampling, cleaning, released
- Website address of detailed sample data results – SSC Portal ([http://ssccommunity.ssc.nasa.gov/lead\\_exposure/index.asp](http://ssccommunity.ssc.nasa.gov/lead_exposure/index.asp))
- Procedures to take if there is a lead concern
  - Report to immediate Supervisor
  - Supervisor contact SSC POCs
    - SSC IH POC – David Lorange: 228-688-1516
    - SSC SMA POC – Robert Gargiulo: 228-688-3842
- VPP philosophy and reporting process
  - ***“IF IT’S NOT SAFE SAY SO”***

## Emergency Egress Procedures

- Standard, B-Stand emergency egress procedures should be followed;
- Your first priority is to exit the building; if necessary, egress through barricade areas

## Employee Responsibilities:

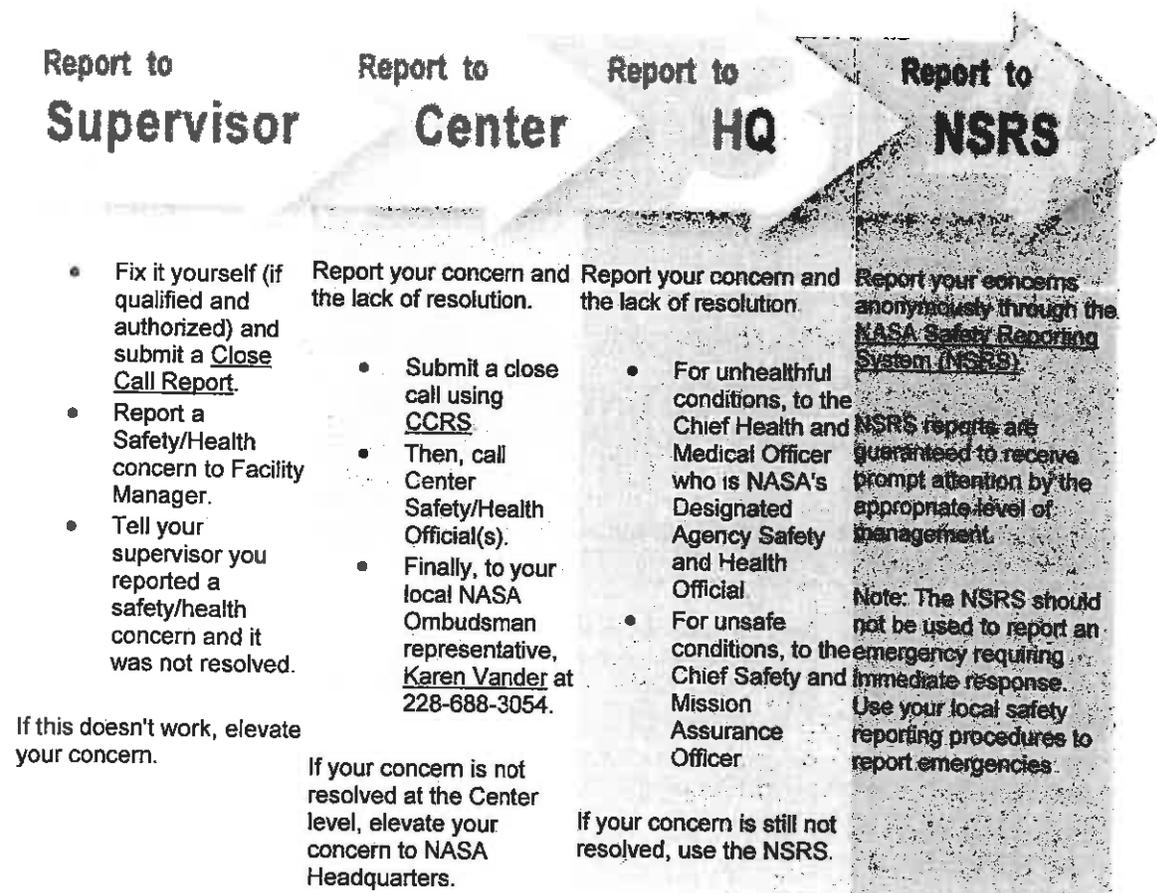
1. Do not enter areas that are taped or barricade off; includes
  - a. Levels 11-19
  - b. There is a barrier between Levels 10 and 11. Do not disturb monitoring equipment
  - c. East Pier stairways
2. Review the Information Board at the B-Stand entrance for status and information on area which may be closed
3. Complete the lead awareness training within two weeks of re-occupancy
4. Report any areas of concern to your supervisor

# How to Report a Concern

If an employee has a potential concern, the employee should take the following steps:

1. Employee should report concern to immediate Supervisor; your Supervisor should immediately contact the SSC IH POC and or SSC SMA POC
2. The area of concern will be assessed, and cleaned/resampled, if necessary
3. Employee(s) initiating the concern will be provided consultation regarding the concern and an opportunity to have blood lead level testing performed

## How to Report a Safety Hazard



**Edge, Jason F. (SSC-DA00)**

---

**From:** Edge, Jason F. (SSC-DA00)  
**Sent:** Monday, March 02, 2015 3:27 PM  
**To:** (b)(6)  
**Cc:** KIMBROUGH, KENNETH L. (SSC-DA20); Sanders, Claude B. (SSC-RA10); Gargiulo, Robert F. (SSC-QA20); Rauch, Richard T. (SSC-EA61)  
**Subject:** B Stand Update

(b)(6)  
Based upon the surface wipe sample results, the B Test Stand, Level 11 exterior areas are now open for construction activities. If you have any questions pertaining to this direction, please feel free to contact Brennan Sanders or Robert Gargiulo. Ken will follow up with an official letter tomorrow.

*Jason Edge  
Associate Procurement Officer  
National Aeronautics and Space Administration  
John C. Stennis Space Center  
Stennis Space Center, MS 39529  
228-688-2346*

Providing excellent customer support is important to us. Please let us know how we are doing, go to <http://sscweb.ssc.nasa.gov/procurement/feedback.asp> and let us know how we can improve. Also tell us when we do something great so we can continue.

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



March 3, 2015

Reply to Attn of: Office of Procurement

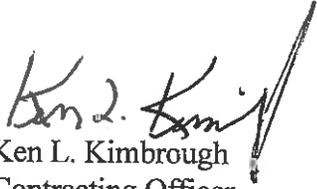
Harry Pepper & Associates, Inc.  
9000 Regency Square Blvd, Suite 100  
Jacksonville, FL 32211-8115

**SUBJECT:** Partial Suspension of Work Lifted (For the areas identified below) for Multiple Award Construction Contract (MACC) NNS12AA77B, Task Order NNS14AA30T, for Work Package # 3 on Stennis Space Center

This letter is to follow up on the partial suspension of work issued February 12, 2015. Harry Pepper and Associates (HPA) are allowed to perform work on the following areas on the B 2 Test Stand.

HPA is authorized to perform exterior work on levels 7 and 11. The stairs to access level 1 of the east pier remain closed for lead work.

If you have any questions, you may call me at 228-688-1827.

  
Ken L. Kimbrough  
Contracting Officer

**ACKNOWLEDGEMENT OF RECEIPT OF**  
Task Order No. NNS14AA30T, Partial Suspension of Work Lifted (For limited activities identified above)

BY: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name)

DATE: \_\_\_\_\_

Edge, Jason F. (SSC-DA00)

---

**From:**  
**Sent:**  
**To:**  
**Cc:**  
**Subject:**

(b)(6)  
Wednesday, March 04, 2015 8:56 AM  
Sanders, Claude B. (SSC-RA10); Gargiulo, Robert F. (SSC-QA10)  
Edge, Jason F. (SSC-DA00); KIMBROUGH, KENNETH L. (SSC-DA20); (b)(6)  
(b)(6) (b)(6)  
B2 Partial Suspension of Work Levels 9 & 16

Gentlemen,  
Regarding Level 16. OHC's test results (forwarded previously) show level 16 below the 800 micrograms / sf level. Access from level 11 up to 16 is established via caged ladder with landings up the existing scaffolding. That will be ready for inspection at noon today. We request approval for access to that area for construction activities pending verification of safe access other than through the soft core.  
Regarding Level 9. OHC test results (forwarded previously) show all levels below 800 except 1 at 910 on the North Side. That is currently being re-tested. HPA needs to have access to this area for 2 of our employees to replace 24 bolts to complete the MPTA bolting and allow epoxy grouting to begin. This work must be completed prior to SLS erection. We request permission to allow access for 2 employees under IH oversight, wearing PPE to access this area to support bolt replacement. 8 hour time weighted average will be established during this work to determine appropriate level of PPE going forward until full release of that area is granted.  
Please advise if this is acceptable.  
Thank you  
(b)(6)

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**Edge, Jason F. (SSC-DA00)**

---

**From:** Edge, Jason F. (SSC-DA00)  
**Sent:** Tuesday, March 10, 2015 4:35 PM  
**To:** (b)(6)  
**Cc:** Gargiulo, Robert F. (SSC-QA10); KIMBROUGH, KENNETH L. (SSC-DA20); Huk, James D. (SSC-DA00); Sanders, Claude B. (SSC-RA10)  
**Subject:** FW: B-Stand Post clean-up Inspection

(b)(6)

I would like for HP and NASA to physically walk the areas that have come back as failed. This should not be that hard. (b)(6) I would like you to please schedule a walk down with Robert Gargiulo as soon as possible for the areas of concern and what we are looking for is clear evidence that an area has not been cleaned. After your walk down I would like an email from you both indicating the results of the inspection. If an area is found to have been missed during the cleaning, then I would expect HP to clean that area. If no areas are found to be visibly dirty (i.e. did not get cleaned) then I would say HP is done with the cleaning of the stand as a result of their breach in the containment area. Please have this visual inspection done as soon as possible so we can put this issue to rest. Thank you both for your efforts so far.

Jason Edge  
Contracting Officer

**From:** Gargiulo, Robert F. (SSC-QA10)  
**Sent:** Tuesday, March 10, 2015 4:23 PM  
**To:** Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20)  
**Cc:** Lorange, David K. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Wright, Katrina L. (SSC-RA02); SOUTHERS, ROBERT L. (SSC-QA10); Baldwin, Arnold B. (JSC-NT411); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** B-Stand Post clean-up Inspection

Jason Edge,

Request an inspection of the areas Harry Pepper and Associates have cleaned. This includes all of the Soft Core and the exterior platforms on the south side of the B-Stand.

Robert Gargiulo

**Robert F. Gargiulo**  
Chief, Safety, Quality and Management Systems Division

**SSC Safety & Mission Assurance Directorate (QA-10)**

**Office: 228-688-3842**

**Cell: 228-344-8664**

**Fax: 228-688-3587**

***MISSION FIRST, SAFETY ALWAYS!!!***

**Edge, Jason F. (SSC-DA00)**

---

**From:** (b)(6)  
**Sent:** Tuesday, March 10, 2015 2:51 PM  
**To:** Edge, Jason F. (SSC-DA00); KIMBROUGH, KENNETH L. (SSC-DA20); Huk, James D. (SSC-DA00)  
**Cc:** Sanders, Claude B. (SSC-RA10); (b)(6) Gargiulo, Robert F. (SSC-QA10); (b)(6)  
**Subject:** B2 Test Stand Partial Suspension of Work  
**Attachments:** Assessment of Failed Wipe Samples.pdf

Gentlemen,

Attached is correspondence from our IH firm regarding the pre-existing presence of Lead Based Paint (LBP) on Test Stand B that is preventing achieving the targeted clearance levels.

We have taken pictures of the failed test locations, done Lead swabs and taken bulk samples for analysis in those locations. We do not have the bulk samples back yet.

HPA has made every effort to clean the stand to the cleanest possible level, but with out abating the pre-existing LBP we do not believe that the targeted clearance levels are attainable in cases where underlying LBP exists.

Thank you

(b)(6)

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5420 Bay Center Dr. Suite 100  
Tampa, FL 33609  
Phone: 813.626.8156  
Fax: 813.623.6702  
[www.ohcnet.com](http://www.ohcnet.com)

March 10, 2015

(b)(6)

Harry Pepper & Associates

Re: Lead Wipe Samples

(b)(6)

OHC performed an investigation of the failed samples provided by NASA that were collected on March 6, 2015. OHC visited each site sampled to determine the cause of failure. Based on our professional observation and assessment we have determined that most of these samples were collected on deteriorated Lead paint or in areas where deteriorated Lead paint is present in the vicinity that could have contributed to the failure of these samples. In addition to the deterioration of the paint, in many of these areas, the paint is chipped off exposing the primer which is apparently contains a high concentration of Lead. Pictures were collected of each area that failed documenting the condition of the paint. Please refer to pictures to the pictures below for sample numbers 1033, 1034 1041 and 1045. Lead is unstable and will leach through paint. As paint becomes deteriorated flaking and chalking off will release fine lead dust. Wiping on deteriorated paint that contains Lead will always indicate a high level of Lead in the wipe samples. It was also evident that wipe samples collected on intact paint that is in good condition indicated much lower levels. We have tried to explain that from the beginning cautioning against relying on wipe samples to clear an area that has not been abated. There is also significant peeling of paint all over the stand and in the grading which can be tracked all over the softcore area causing elevated Lead levels.

To confirm our assessment of the paint OHC used the Lead Check wipes to sample the areas that indicated elevated results. These direct read wipe samples are colorimetric and will change color if it comes in contact with Lead paint. The color on the tip of the sample will change from orange to pink, the darker the color the higher concentration of Lead in the paint. Please note that all the colorimetric wipe samples were collected in the same area that was already sampled and wiped off. All the colorimetric samples tested positive for Lead. One sample was collected on good intact paint which indicated a slight color change and an adjacent sample was collected on an area that the paint is peeling which immediately turned into dark pink color. All samples

collected on deteriorated paint immediately turned pink as well. We also collected a sample on the grading on level 18 which has significant deterioration of top layer of paint uncovering the primer which again turned dark pink immediately indicating the presence of Lead paint.

The entire stand has been thoroughly cleaned by ADS, including any previously settled dust and paint chips. Based on our assessment we strongly believe that the elevated levels of Lead on the wipe samples is caused by the leaching of Lead from the paint itself rather than contamination of these surfaces.

Sincerely,  
OHC Environmental Engineering Inc.

A large black rectangular redaction box covers the signature area. The text "(b)(6)" is printed in red in the center of the box.

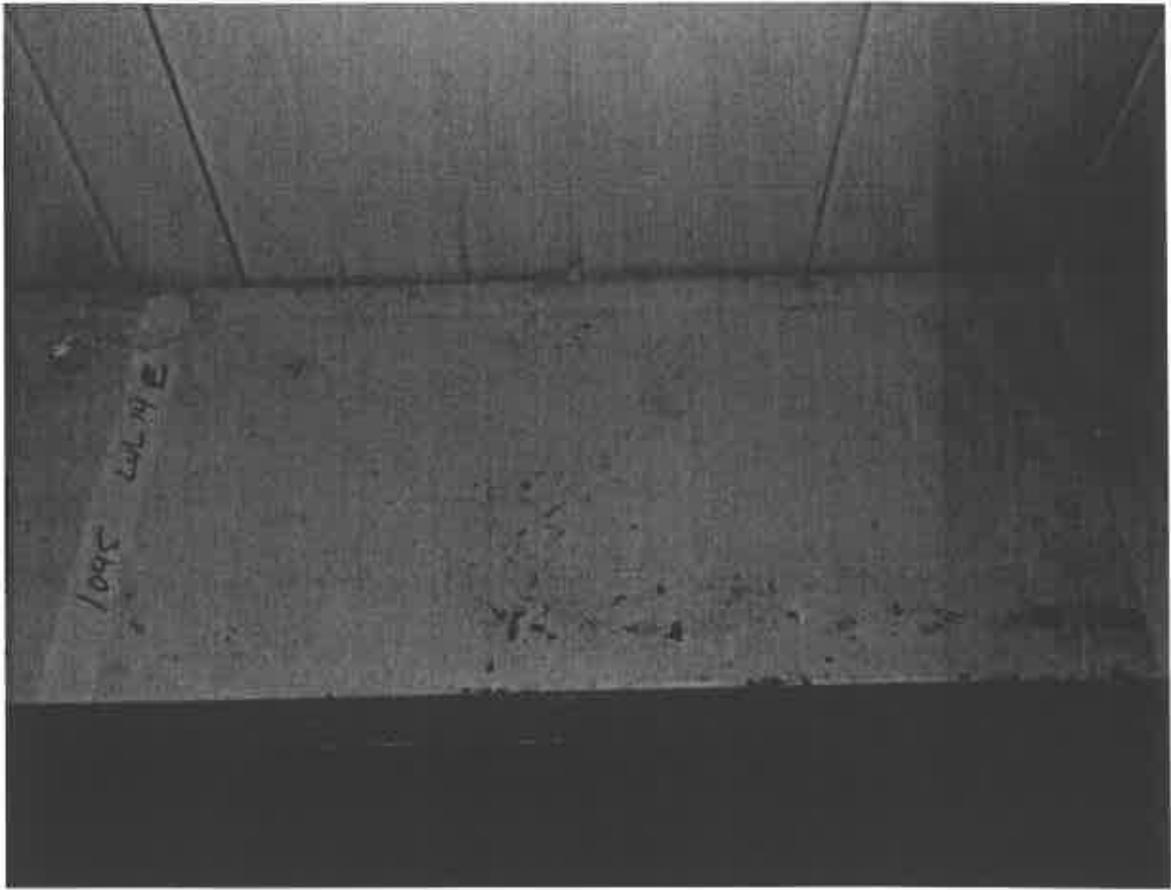
(b)(6)

President

## Photographic Documentation



Wipe Sample #1041



Wipe Sample # 1045



Wipe Sample # 1033

**Cc:** KIMBROUGH, KENNETH L. (SSC-DA20)

**Subject:** FW: Relaxed PPE Requirements

Howdy,

HPA does not feel that booties are needed and I was about to inform them that regardless what they think, if NASA safety says wear booties and gloves then they must wear booties and gloves. Before I do, based on what (b)(6) has rebutted, can you confirm that booties and gloves must be worn.

Also on another note, in the future we must make sure that we give direction to Harry Pepper and not their subcontractor. Again, this direction is best served if it comes from the CO.

Please advise and I will relay to HPA.

Jason

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

**Sent:** Tuesday, April 07, 2015 4:52 PM

**To:** KIMBROUGH, KENNETH L. (SSC-DA20); Huk, James D. (SSC-DA00); Edge, Jason F. (SSC-DA00); Gargiulo, Robert F. (SSC-QA20)

**Subject:** Fw: Relaxed PPE Requirements

Ken,

Please see the below correspondence and attachments.

This was relayed to me from (b)(6) who is HPA's CIH on the project. Please note that HPA was not included in this correspondence.

NASA's IH has collected additional wipe samples in the Soft Core of the B2 Stand after the cleaning and visual clearance was given.

As previously noted, the Soft Core including the structural steel, stairs, handrail and expanded metal over the grating was painted with lead based paint. Much of the paint is deteriorated. Prior to HPA cleaning the Soft Core, lead paint chips were prevalent in most areas of the B Stand including the Soft Core, Hard Core, B1 and B2 Test Stands. Lead Contamination in the Soft Core was pre-existing before HPA started work.

The containment breach was isolated to 2 brief occurrences and work was immediately stopped. The soft core has been cleaned twice by abatement workers and visually cleared.

It is not reasonable conclusion to draw that the elevated lead levels indicated in the recent wipe tests are coming from the containment breach from January.

Exposure levels established over months of testing have consistently indicated below detectable levels and do not warrant the level of PPE being requested by NASAs IH unless one is performing work that disturbs the lead based paint.

The booties may be warranted to prevent people from tracking lead from the Soft Core into other areas but it is not necessary as a result of the containment breach.

I am forwarding this to you to ask for your direction in this matter.

Thank you

(b)(6)

HPA

----- Forwarded by (b)(6) HPA/EGS/EMCORGROUP on 04/07/2015 04:17 PM -----

From:

To: (b)(6)

Date: 04/05/2015 07:05 AM  
Subject: FW: Relaxed PPE Requirements

---

Good morning (b)(6)

Katrina called me on Friday to discuss the results of the last round of wipe samples they collected and recommended that we still use booties and gloves for all personnel working on the soft core. I thought we finished with the wipe samples and the area is declared clear after the last inspection. There are a few samples that are high but as I explained several times any time we sample on lead paint the wipe samples will indicate a high level especially on the floor where the paint is worn out and in poor condition and in many areas you can see the primer. I am not sure how you want me to handle this. She wants me to revise my letter to require the booties and gloves. It will be very difficult to require all your workers working in this area to wear booties and gloves. At this time I may recommend periodic cleaning of the hand rails.

Please let me know how you want to proceed with this?

(b)(6) MS, CIH

President



OHC Environmental Engineering Inc.

5420 Bay Center Drive

Tampa, Florida 33609

Phone: 813.626.8156

Cell: (b)(6)

Email: (b)(6)

[www.OHCNET.com](http://www.OHCNET.com)

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**From:** Wright, Katrina L. (SSC-RA02) [<mailto:katrina.l.wright@nasa.gov>]

**Sent:** Friday, April 03, 2015 4:46 PM

**To:** (b)(6)

**Cc:** Sanders, Claude B. (SSC-RA10); Gargiulo, Robert F. (SSC-QA20); Lorance, David K. (SSC-RA02); (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)]; Byrd, Mary R. (SSC-RA00); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]

**Subject:** Relaxed PPE Requirements

Good Afternoon,

Per our conversation today, recent wipe sample results (B Stand Soft Core) range from 15 to 8,100  $\mu\text{g}/\text{ft}^2$  (see the attached report). Therefore, please

revise the attached letter such that PPE, including booties and gloves are required.

Please feel free to contact me if you have any questions or concerns.

*Kind Regards,  
Katrina Wright  
Stennis Space Center  
(228) 688-3263*

*People may doubt what you say, but they will always believe what you do*

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## Edge, Jason F. (SSC-DA00)

---

**From:** Gargiulo, Robert F. (SSC-QA10)  
**Sent:** Friday, March 13, 2015 2:36 PM  
**To:** Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20); Carr, Katie (SSC-QA20); Edge, Jason F. (SSC-DA00); Rauch, Richard T. (SSC-EA61)  
**Cc:** SOUTHERS, ROBERT L. (SSC-QA10); Baldwin, Arnold B. (JSC-NT411); Lorange, David K. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** B-Stand Walkdown results and plan forward

Here is the status of the walkdown performed by HPA and NASA - SMA, Center Ops (IH and Contracting Officer Rep) and FOSC IH

Attached is the areas need further cleaning (areas missed). HPA sent their list; I added some clarification and minor additions (in red). The additions are areas/items which may or may not be duplicate to areas described by HPA. I asked (b)(6) to review and note his agreement or not. The walk down was very productive.



POST Clean up List  
for Robert ...

### Plan forward:

Although there are areas on the exterior platforms which require additional cleaning, none of the areas present a significant health hazard while HPA are cleaning up the debris.

We are looking to release the exterior platforms for NASA, AR, TOC and construction contractor activities. I will send out an updated stop light chart for the inside and exterior areas. All exterior platforms are open with the following caveats:

- Level 8 and 9 require workers to wear booties (covers) and gloves, until FOSC IH samples on Monday 16 March
- Level 8.5 is restricted to HPA construction activities

The contractor and government employees have been educated on proper precautions and controls for lead based paint exposure...primarily, wash your hands before eating, drinking and applying makeup.

The softcore is still closed pending further cleaning as noted in the attached spreadsheet

### Robert F. Gargiulo

Chief, Test Operations Support Division  
SSC Safety & Mission Assurance Directorate (QA-20)  
Office: 228-688-3842

Cell: 228-344-8664  
Fax: 228-688-3587

*MISSION FIRST, SAFETY ALWAYS!!!*

# POST CLEAN UP INSPECTION

LEVEL:	AREA:	DESCRIPTION
20	N	GRIT UNDER SCAFFOLD SKID N & BASE OF SWING MOTOR ASSEMBLY
19	B1	GRIT ON CONTAINMENT SCAFFOLD.
19	B1	GRIT AT E SIDE CATWALK (AT BASE OF SOFTCORE SIDING)
19	B1	GRIT AT BRACKET @ SOFT CORE WALL ( TOP OF BOTTOM FLANGE)
19	B1	AT STAIRS GOING DOWN TO LEVEL 18
18	B1	GRIT AT CATWALK SUPPORT AT SOFT CORE
18	B1	GRIT ON TOP OF GUSSET AT CONTAINMENT
18	B1	GRIT ON TOP OF GUSSET (CENTER ON WEST SIDE OF SOFTCORE)
17	B1	GRIT-CATWALK SUPPORT AT SOFT CORE UNDER CATWALK AT CONTAINMENT
17	B1	GRIT ON TOP OF GUSSET (CENTER ON WEST SIDE OF SOFTCORE)
18	SOFTCORE	NOTHING
19	SOFTCORE	NOTHING
17/18	SOFTCORE	STAIRS BETWEEN 17 & 18- GRIT ON CONDUIT (EAST SIDE OF SOFTCORE)
17	SOFTCORE	ELECT/MECH CHASE NORTH OF EAST ELEVATOR- CLEAN
17	SOFTCORE	CHASE C1702 - GRIT ON WALK
17	SOFTCORE	CLEAN BASE OF CENTER COLUMN UNDER ELECTRICAL PANEL #4
16	SOFTCORE	CLEAN CONTROL CHASE C1602, 1601 & 1605
16	SOFTCORE	VACUUM LOOSE DUST AT TOP OF BEAMS GENERAL N & S OF STAIRS
15	SOFTCORE	VACUUM LOOSE DUST AT TOP OF BEAMS GENERAL N & S OF STAIRS
15	SOFTCORE	CLEAN CHASE C1502, 1504, 1505, 1501
14	SOFTCORE	CLEAN CHASE C1401, 1402, 1404, 1405
14	SOFTCORE	CLEAN TOP OF BEAMS GENERAL N & S OF STAIRS
14	SOFTCORE	CLEAN TOP OF BEAMS (BOTTOM FLANGE)
14	SOFTCORE	CLEAN TOP OF BOTTOM FLANGE BEAMS FLOOR OF 14 SOUTH SIDE
13	SOFTCORE	VACUUM LOOSE DUST ON TOP OF BEAMS UNDER GRATING

# POST CLEAN UP INSPECTION

LEVEL:	AREA:	DESCRIPTION
13	SOFTCORE	DETAIL CLEAN IN BINS IN CAGE (C-1306 AND C-1307)
13	SOFTCORE	CLEAN UNISTRUT N OF STAIRS BELOW FLOOR
12	SOFTCORE	CLEAN CHASE C1202
12	SOFTCORE	DETAIL CLEAN CONTRACTOR STORAGE OPEN BINS & HORIZONTAL SURFACES
12	SOFTCORE	CLEAN TOP OF ELEVATOR CABS (COORDINATE LOCKOUT W/ NASA ONE AT A TIME)
11	SOFTCORE	CLEAN TOP OF UNISTRUT IN FRONT OF EAST ELEVATOR
11	SOFTCORE	CLEAN TOP OF BOTTOM FLANGE OF BEAM WEST OF STAIRS
11	SOFTCORE	CLEAN TOP OF HVAC DUCT
11	EXTERIOR	NOTHING - SOUTH SIDE
10	CENTER	REPAIR TAPE & WIPE EXTERIOR OF CONTAINMENT
9	EXTERIOR	NOTHING - SOUTH SIDE AND BATTLESHIP
8	EXTERIOR	NOTHING - SOUTH SIDE AND BATTLESHIP
8.5	B2	NOTHING
7	B2	SOUTHEAST CORNER CLEAN GRIT ON TOP OF BEAM
7	B2	CLEAN GRIT BOX BEAM WEST END-GRIT
6.5	B2	NORTHEAST EDGE OF B2 (UNDER "STAIRS TO NOWHERE")
5	B2-CENTER	CLEAN TOP OF DOOR (SOUTHSIDE)
4	B2-CENTER	CLEAN TOP OF DOOR (SOUTHSIDE)
4/3	B2-CENTER	CLEAN TOP OF 2 BEAMS (SOUTHSIDE)
4	B2-CENTER	CLEAN O/S LIGHT & BRACKET (SOUTHSIDE)
3	B2-CENTER	CLEAN O/S LIGHT & BRACKET (SOUTHSIDE)
2.5	B2-CENTER	CLEAN TOP OF BOTTOM FLANGE AT STAIRS
1	B2-CENTER	CLEAN TOP OF CANOPY OVER SOUTH ENTERANCE
1	B2-CENTER	CLEAN SCAFFOLD PLANK

**Edge, Jason F. (SSC-DA00)**

---

**From:** Sanders, Claude B. (SSC-RA10)  
**Sent:** Monday, March 23, 2015 11:52 AM  
**To:** KIMBROUGH, KENNETH L. (SSC-DA20); Edge, Jason F. (SSC-DA00)  
**Subject:** FW: Agreed to POST clean up list  
**Attachments:** POST Clean up List updated 03.23.2015.Concurrence Comments.xlsx

Just more correspondence...

**From:** (b)(6)  
**Sent:** Monday, March 23, 2015 10:23 AM  
**To:** Lorance, David K. (SSC-RA02)  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10); (b)(6)  
(b)(6) Wright, Katrina L. (SSC-RA02); Byrd, Mary R. (SSC-RA00); (b)(6) Gargiulo, Robert F. (SSC-QA20); (b)(6)  
(b)(6)  
**Subject:** RE: Agreed to POST clean up list

David,  
Below are my comments and attached is the proposed final list.  
We agree on all of the points, but I would prefer to leave the comment on 2.5 as a separate comment just for ease of identification during inspection.  
Thanks

(b)(6)

- |     |          |   |   |
|-----|----------|---|---|
| 19  | B1       | NEW- GRIT AT STAIR SUPPORT TO 18//I marked this a reinspect - "at stairs going down to L18" on original che                               | CONCUR  |
| 2.5 | B CENTER | NEW - CLEAN TOP OF BRACKET AT CONDUITS UNDER STAIR PLATFORM//I had written this finding as the one just above "clean top of bottom flange |   |
| 11  | interior | west of entrance at north interior wall   | (ABOVE)<br>PREFER TO<br>LEAVE<br>SEPERATE<br>CONCUR |

**From:** "Lorance, David K. (SSC-RA02)" <david.k.lorance@nasa.gov>  
**To:** (b)(6) "Gargiulo, Robert F. (SSC-QA20)" <robert.f.gargiulo@nasa.gov>

Cc: (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)] (b)(6) "Sanders, Claude B. (SSC-RA10)" <claudesanders@nasa.gov>, (b)(6)  
(b)(6) (b)(6) (b)(6) (b)(6)  
"Wright, Katrina L. (SSC-RA02)" <katrina.l.wright@nasa.gov>, "Byrd, Mary R. (SSC-RA00)" <mary.r.byrd@nasa.gov>  
Date: 03/23/2015 08:13 AM  
Subject: RE: Agreed to POST clean up list

(b)(6) please see my edits in the attached, and let me know what you think.

Dave

*David Lorange*, P.E.  
Environmental Officer  
NASA/Stennis Space Center  
228-688-1516 (O)  
228-342-7754 (C)



From: (b)(6)  
Sent: Friday, March 20, 2015 3:04 PM  
To: Gargiulo, Robert F. (SSC-QA20)  
Cc: (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10); Lorange, David K. (SSC-RA02); (b)(6)  
(b)(6) (b)(6)  
Subject: RE: Agreed to POST clean up list

All  
Please see attached the results of the post clean up inspection today. Please let me know if anybody has any corrections.  
The attached list has 11 action items including cleaning the tops of the elevators that will be complete on Monday 3/23. We will attach pictures of the completed items along with our re-inspection request.

Thank you  
(b)(6)

From: "Gargiulo, Robert F. (SSC-QA10)" <robert.f.gargiulo@nasa.gov>  
To: (b)(6)  
Cc: (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)] (b)(6) "Sanders, Claude B. (SSC-RA10)" <claudesanders@nasa.gov>, "Lorange, David K. (SSC-RA02)" <david.k.lorange@nasa.gov>, (b)(6)  
Date: 03/13/2015 04:06 PM  
Subject: RE: Agreed to POST clean up list

(b)(6)

I will be out of town on business next week. Please coordinate this through David Lorange and Brennan Sanders. Thank you.

**Robert F. Gargiulo**

Chief, Test Operations Support Division  
SSC Safety & Mission Assurance Directorate (QA-20)  
Office: 228-688-3842  
Cell: 228-344-8664  
Fax: 228-688-3587  
*MISSION FIRST, SAFETY ALWAYS!!!*

From: [REDACTED] (b)(6)

Sent: Friday, March 13, 2015 3:57 PM

To: Gargiulo, Robert F. (SSC-QA10)

Cc: [REDACTED] (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10); Lorange, David K. (SSC-RA02); [REDACTED] (b)(6)

[REDACTED] (b)(6)

Subject: Re: Agreed to POST clean up list

Thank you sir,

We expect to be able to request final inspection by COB on Tuesday, 3/17. We will forward a copy of the list signed off by OHC with the final inspection request.

Have a good weekend

[REDACTED] (b)(6)

From: "Gargiulo, Robert F. (SSC-QA10)" <robert.f.gargiulo@nasa.gov>

To: [REDACTED] (b)(6)

Cc: [REDACTED] (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; [REDACTED] (b)(6) "Sanders, Claude B. (SSC-RA10)" <claudesanders@nasa.gov>, "Lorange, David K. (SSC-RA02)" <david.k.lorange@nasa.gov>, [REDACTED] (b)(6)

Date: 03/13/2015 03:53 PM

Subject: Agreed to POST clean up list

(b)(6)

Made the change. HPA and NASA are in agreement. Attached is the agreed to document saved in a .pdf format.

Let me know if you have any questions.

**Robert F. Gargiulo**

Chief, Test Operations Support Division  
SSC Safety & Mission Assurance Directorate (QA-20)

Office: 228-688-3842

Cell: 228-344-8664

Fax: 228-688-3587

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From: [REDACTED] (b)(6)

Sent: Friday, March 13, 2015 3:35 PM

To: Gargiulo, Robert F. (SSC-QA10)

Cc: [REDACTED] (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10); Lorange, David K. (SSC-RA02); [REDACTED] (b)(6)

[REDACTED] (b)(6)

Subject: RE: Post Clean list for Robert

Robert,  
There is only one duplication that is high lighted. We would like to delete the first one (line 8) and keep the one in red (line 10). With that exception we are in agreement.

Thank you

[REDACTED] (b)(6)

From: "Gargiulo, Robert F. (SSC-QA10)" <robert.f.gargiulo@nasa.gov>  
To: [REDACTED] (b)(6) "Sanders, Claude B. (SSC-RA10)" <claudio.b.sanders@nasa.gov>, [REDACTED] (b)(6)  
Cc: "Lorange, David K. (SSC-RA02)" <david.k.lorange@nasa.gov>, [REDACTED] (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]"  
Date: 03/13/2015 12:44 PM  
Subject: RE: Post Clean list for Robert

[REDACTED] (b)(6)

Attached is the list of post clean up actions. I believe you captured everything we agreed to...I did make some changes in red for clarification. I also added several which may or

may not be in your list under a different description.

Please let me know if you disagree with any of the changes or additions. I want to ensure this is a mutually agreed to list. Below are my phone numbers...here is my personal cell also 228-424-6948

**Robert F. Gargiulo**  
Chief, Test Operations Support Division  
SSC Safety & Mission Assurance Directorate (QA-20)  
Office: 228-688-3842  
Cell: 228-344-8664  
Fax: 228-688-3587  
*MISSION FIRST, SAFETY ALWAYS!!!*

**From:** [REDACTED] (b)(6)  
**Sent:** Thursday, March 12, 2015 5:43 PM  
**To:** Gargiulo, Robert F. (SSC-QA10); Sanders, Claude B. (SSC-RA10); [REDACTED] (b)(6)  
**Subject:** Fw: Post Clean list for Robert

Robert / Brennan,  
Here are my notes from the the post clean up inspection of the B Stand from this AM  
Thanks

[REDACTED] (b)(6)  
----- Forwarded by [REDACTED] (b)(6) HPA/EGS/EMCORGROUP on 03/12/2015 05:35 PM -----

**From:** [REDACTED] (b)(6)  
**To:** [REDACTED] (b)(6)  
**Date:** 03/12/2015 02:58 PM  
**Subject:** Post Clean list for Robert

Here's just the list you wanted.  
next email is punchlist

Thank you,

(b)(6)

Regional Administrator

Harry Pepper & Associates, Inc

850-390-5905 (c)

228-689-0246 (o)

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(b)(6) HPA/EGS/EMCORGROUP] [attachment "FINAL POST Clean up Inspection Punchlist 03 13.pdf" deleted by (b)(6)]

(b)(6) HPA/EGS/EMCORGROUP] [attachment "DKL edit POST Clean up List updated 03 23 2015.xlsx" deleted by (b)(6)]

(b)(6) HPA/EGS/EMCORGROUP]

**Edge, Jason F. (SSC-DA00)**

---

**From:** KIMBROUGH, KENNETH L. (SSC-DA20)  
**Sent:** Tuesday, April 21, 2015 1:34 PM  
**To:** (b)(6) [SSC-LMATA][LMATA Government Services LLC]  
**Subject:** FW: FW: B-Stand Post clean-up Inspection

Ken L. Kimbrough  
Contracting Officer  
Office of Procurement  
Stennis Space Center  
228-688-1827

**From:** (b)(6)  
**Sent:** Tuesday, March 10, 2015 5:01 PM  
**To:** Edge, Jason F. (SSC-DA00)  
**Cc:** Sanders, Claude B. (SSC-RA10); Huk, James D. (SSC-DA00); KIMBROUGH, KENNETH L. (SSC-DA20); Gargiulo, Robert F. (SSC-QA10)  
**Subject:** Re: FW: B-Stand Post clean-up Inspection

Yes Sir,  
We will get the joint inspection scheduled and keep you advised.  
Thank you

(b)(6)

**From:** "Edge, Jason F. (SSC-DA00)" <jason.f.edge@nasa.gov>  
**To:** (b)(6)  
**Cc:** "Gargiulo, Robert F. (SSC-QA10)" <robert.f.gargiulo@nasa.gov>, "KIMBROUGH, KENNETH L. (SSC-DA20)" <kenneth.i.kimbrough@nasa.gov>, "Huk, James D. (SSC-DA00)" <james.d.huk@nasa.gov>, "Sanders, Claude B. (SSC-RA10)" <claudes.b.sanders@nasa.gov>  
**Date:** 03/10/2015 04:38 PM  
**Subject:** FW: B-Stand Post clean-up Inspection

(b)(6)

I would like for HP and NASA to physically walk the areas that have come back as failed. This should not be that hard. (b)(6) I would like you to please schedule a walk down with Robert Gargiulo as soon as possible for the areas of concern and what we are looking for is clear evidence that an area has not been cleaned. After your walk down I would like an email from you both indicating the results of the inspection. If an area is found to have been missed during the cleaning, then I would expect HP to clean that area. If no areas are found to be visibly dirty (i.e. did not get cleaned) then I would say HP is done with the cleaning of the stand as a result of their breach in the containment area. Please have this visual inspection done as soon as possible so we can put this issue to rest. Thank you both for your efforts so far.

Jason Edge  
Contracting Officer

**From:** Gargiulo, Robert F. (SSC-QA10)  
**Sent:** Tuesday, March 10, 2015 4:23 PM  
**To:** Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20)  
**Cc:** Lorance, David K. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Wright, Katrina L. (SSC-RA02); SOUTHERS, ROBERT L. (SSC-QA10); Baldwin, Arnold B. (JSC-NT411); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** B-Stand Post clean-up Inspection

Jason Edge,

Request an inspection of the areas Harry Pepper and Associates have cleaned. This includes all of the Soft Core and the exterior platforms on the south side of the B-Stand.

Robert Gargiulo

**Robert F. Gargiulo**  
Chief, Safety, Quality and Management Systems Division  
SSC Safety & Mission Assurance Directorate (QA-10)  
Office: 228-688-3842  
Cell: 228-344-8664  
Fax: 228-688-3587  
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**Edge, Jason F. (SSC-DA00)**

---

**From:** KIMBROUGH, KENNETH L. (SSC-DA20)  
**Sent:** Tuesday, April 21, 2015 1:38 PM  
**To:** (b)(6) (SSC-LMATA)[LMATA Government Services LLC]  
**Subject:** FW: B-Stand Walkdown List  
  
**Importance:** High

Ken L. Kimbrough  
Contracting Officer  
Office of Procurement  
Stennis Space Center  
228-688-1827

---

**From:** Gargiulo, Robert F. (SSC-QA10)  
**Sent:** Friday, March 13, 2015 3:57 PM  
**To:** KIMBROUGH, KENNETH L. (SSC-DA20); (b)(6)  
**Cc:** Huk, James D. (SSC-DA00); Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20); Carr, Katie (SSC-QA20); Edge, Jason F. (SSC-DA00); Rauch, Richard T. (SSC-EA61); SOUTHERS, ROBERT L. (SSC-QA10); Baldwin, Arnold B. (JSC-NT411); Lorange, David K. (SSC-RA02); (b)(6) (SSC-  
JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; (b)(6)  
**Subject:** B-Stand Walkdown List

Ken Kimbrough,

Attached is the final mutually agreed to list between HPA and NASA after the walkdown of the B-Test Stand. The areas noted in the attached will be cleaned by HPA. NASA will perform a visual inspection of the noted area after HPA has cleaned the areas. Sincerely appreciate all parties team approach to addressing the B-Stand cleaning



FINAL POST Clean  
up Inspection...

Robert

**Robert F. Gargiulo**

Chief, Test Operations Support Division  
SSC Safety & Mission Assurance Directorate (QA-20)

Office: 228-688-3842

Cell: 228-344-8664

Fax: 228-688-3587

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## POST CLEAN UP INSPECTION

LEVEL:	AREA:	DESCRIPTION
20	N	GRIT UNDER SCAFFOLD SKID N & BASE OF SWING MOTOR ASSEMBLY
19	B1	GRIT ON CONTAINMENT SCAFFOLD.
19	B1	GRIT AT E SIDE CATWALK (AT BASE OF SOFTCORE SIDING)
19	B1	GRIT AT BRACKET @ SOFT CORE WALL ( TOP OF BOTTOM FLANGE)
19	B1	AT STAIRS GOING DOWN TO LEVEL 18
18	B1	GRIT ON TOP OF GUSSET AT CONTAINMENT
18	B1	GRIT ON TOP OF GUSSET (CENTER ON WEST SIDE OF SOFTCORE)
17	B1	GRIT-CATWALK SUPPORT AT SOFT CORE UNDER CATWALK AT CONTAINMENT
17	B1	GRIT ON TOP OF GUSSET (CENTER ON WEST SIDE OF SOFTCORE)
18	SOFTCORE	NOTHING
19	SOFTCORE	NOTHING
17/18	SOFTCORE	STAIRS BETWEEN 17 & 18- GRIT ON CONDUIT (EAST SIDE OF SOFTCORE)
17	SOFTCORE	ELECT/MECH CHASE NORTH OF EAST ELEVATOR- CLEAN
17	SOFTCORE	CHASE C1702 - GRIT ON WALK
17	SOFTCORE	CLEAN BASE OF CENTER COLUMN UNDER ELECTRICAL PANEL #4
16	SOFTCORE	CLEAN CONTROL CHASE C1602, 1601 & 1605
16	SOFTCORE	VACUUM LOOSE DUST AT TOP OF BEAMS GENERAL N & S OF STAIRS
15	SOFTCORE	VACUUM LOOSE DUST AT TOP OF BEAMS GENERAL N & S OF STAIRS
15	SOFTCORE	CLEAN CHASE C1502, 1504, 1505, 1501
14	SOFTCORE	CLEAN CHASE C1401, 1402, 1404, 1405
14	SOFTCORE	CLEAN TOP OF BEAMS GENERAL N & S OF STAIRS
14	SOFTCORE	CLEAN TOP OF BEAMS (BOTTOM FLANGE)
14	SOFTCORE	CLEAN TOP OF BOTTOM FLANGE BEAMS FLOOR OF 14 SOUTH SIDE
13	SOFTCORE	VACUUM LOOSE DUST ON TOP OF BEAMS UNDER GRATING

## POST CLEAN UP INSPECTION

LEVEL:	AREA:	DESCRIPTION
13	SOFTCORE	DETAIL CLEAN IN BINS IN CAGE (C-1306 AND C-1307)
13	SOFTCORE	CLEAN UNISTRUT N OF STAIRS BELOW FLOOR
12	SOFTCORE	CLEAN CHASE C1202
12	SOFTCORE	DETAIL CLEAN CONTRACTOR STORAGE OPEN BINS & HORIZONTAL SURFACES
12	SOFTCORE	CLEAN TOP OF ELEVATOR CABS (COORDINATE LOCKOUT W/ NASA ONE AT A TIME)
11	SOFTCORE	CLEAN TOP OF UNISTRUT IN FRONT OF EAST ELEVATOR
11	SOFTCORE	CLEAN TOP OF BOTTOM FLANGE OF BEAM WEST OF STAIRS
11	SOFTCORE	CLEAN TOP OF HVAC DUCT
11	EXTERIOR	NOTHING - SOUTH SIDE
10	CENTER	REPAIR TAPE & WIPE EXTERIOR OF CONTAINMENT
9	EXTERIOR	NOTHING - SOUTH SIDE AND BATTLESHIP
8	EXTERIOR	NOTHING - SOUTH SIDE AND BATTLESHIP
8.5	B2	NOTHING
7	B2	SOUTHEAST CORNER CLEAN GRIT ON TOP OF BEAM
7	B2	CLEAN GRIT BOX BEAM WEST END-GRIT
6.5	B2	NORTHEAST EDGE OF B2 (UNDER "STAIRS TO NOWHERE")
5	B2-CENTER	CLEAN TOP OF DOOR (SOUTHSIDE)
4	B2-CENTER	CLEAN TOP OF DOOR (SOUTHSIDE)
4/3	B2-CENTER	CLEAN TOP OF 2 BEAMS (SOUTHSIDE)
4	B2-CENTER	CLEAN O/S LIGHT & BRACKET (SOUTHSIDE)
3	B2-CENTER	CLEAN O/S LIGHT & BRACKET (SOUTHSIDE)
2.5	B2-CENTER	CLEAN TOP OF BOTTOM FLANGE AT STAIRS
1	B2-CENTER	CLEAN TOP OF CANOPY OVER SOUTH ENTERANCE
1	B2-CENTER	CLEAN SCAFFOLD PLANK

**Edge, Jason F. (SSC-DA00)**

---

**From:** KIMBROUGH, KENNETH L. (SSC-DA20)  
**Sent:** Tuesday, April 21, 2015 1:46 PM  
**To:** (b)(6) (SSC-LMATA)[LMATA Government Services LLC]  
**Subject:** FW: B-Stand Walkdown List

Ken L. Kimbrough  
Contracting Officer  
Office of Procurement  
Stennis Space Center  
228-688-1827

**From:** (b)(6)  
**Sent:** Wednesday, March 25, 2015 4:52 PM  
**To:** Lorange, David K. (SSC-RA02)  
**Cc:** Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20); Gargiulo, Robert F. (SSC-QA20)  
**Subject:** RE: B-Stand Walkdown List

Thanks Dave.  
We appreciate your time and assistance in this.  
I will pass it on to the ADS team.

(b)(6)

**From:** "Lorange, David K. (SSC-RA02)" <david.k.lorange@nasa.gov>  
**To:** (b)(6) (b)(6) "Sanders, Claude B. (SSC-RA10)" <claudesanders@nasa.gov>  
**Cc:** "KIMBROUGH, KENNETH L. (SSC-DA20)" <kenneth.l.kimbrough@nasa.gov>, "Gargiulo, Robert F. (SSC-QA20)" <robert.f.gargiulo@nasa.gov>  
**Date:** 03/25/2015 04:34 PM  
**Subject:** RE: B-Stand Walkdown List

(b)(6) the quality of the cleaning job is exceptional. Thank you for your attention to detail. Please pass on to Jonathon.

<< File: FINAL POST Clean up Inspection Punchlist 03 13.pdf >>

Robert

**Robert F. Gargiulo**

Chief, Test Operations Support Division

SSC Safety & Mission Assurance Directorate (QA-20)

Office: 228-688-3842

Cell: 228-344-8664

Fax: 228-688-3587

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**Edge, Jason F. (SSC-DA00)**

---

**From:** KIMBROUGH, KENNETH L. (SSC-DA20)  
**Sent:** Tuesday, April 21, 2015 1:37 PM  
**To:** (b)(6) (SSC-LMATA)[LMATA Government Services LLC]  
**Subject:** FW: B-Stand Post clean-up Inspection  
**Importance:** High

Ken L. Kimbrough  
Contracting Officer  
Office of Procurement  
Stennis Space Center  
228-688-1827

**From:** (b)(6)  
**Sent:** Wednesday, March 11, 2015 2:14 PM  
**To:** KIMBROUGH, KENNETH L. (SSC-DA20)  
**Subject:** Re: B-Stand Post clean-up Inspection

Yes that is correct.  
The main concern is tracking paint chips out of the Soft Core to somebody's car and / or home.

Sent from my iPhone

On Mar 11, 2015, at 1:38 PM, "KIMBROUGH, KENNETH L. (SSC-DA20)" <[kenneth.l.kimbrough@nasa.gov](mailto:kenneth.l.kimbrough@nasa.gov)> wrote:

So either booties OR coveralls if you all have the disposable booties we are good?

**From:** (b)(6)  
**Sent:** Wednesday, March 11, 2015 11:22 AM  
**To:** Gargiulo, Robert F. (SSC-QA10)

**Cc:** Sanders, Claude B. (SSC-RA10); Lorance, David K. (SSC-RA02); Edge, Jason F. (SSC-DA00); KIMBROUGH, KENNETH L. (SSC-DA20)  
**Subject:** RE: B-Stand Post clean-up Inspection

Robert,

Tomorrow morning is fine any time after 7:00 AM, just us know what works best for you.

Attached is a letter from (b)(6) addressing PPE.

Unless existing Lead Based Paint is being disturbed there is no respiratory protection necessary. (b)(6) does recommend booties or coveralls in the soft core due to LBP on the grating in some areas.

We will provide shoe coverings for everyone.

Thank you

(b)(6)

From: "Gargiulo, Robert F. (SSC-QA10)" <robert.f.gargiulo@nasa.gov>  
To: (b)(6)  
Cc: Edge, Jason F. (SSC-DA00) <jason.f.edge@nasa.gov>, "KIMBROUGH, KENNETH L. (SSC-DA20)" <kenneth.l.kimbrough@nasa.gov>, "Sanders, Claude B. (SSC-RA10)" <claudb.sanders@nasa.gov>, "Lorance, David K. (SSC-RA02)" <david.k.lorance@nasa.gov>  
Date: 03/11/2015 10:09 AM  
Subject: RE: B-Stand Post clean-up Inspection

(b)(6)

I have critical meeting from 12:00 – 1:00. I cleared all other meetings. Spoke with Brennan Sanders and Dave Lorance also. Tomorrow morning is good.

Please let me know what PPE is will need. If respiratory protection is required, we will need to get qualified/trained/fit tested today....or get an alternate.

Robert

**Robert F. Gargiulo**

Chief, Test Operations Support Division  
SSC Safety & Mission Assurance Directorate (QA-20)  
Office: 228-688-3842  
Cell: 228-344-8664  
Fax: 228-688-3587

*MISSION FIRST, SAFETY ALWAYS!!!*

From: (b)(6)  
Sent: Wednesday, March 11, 2015 9:18 AM  
To: Gargiulo, Robert F. (SSC-QA10)  
Cc: Edge, Jason F. (SSC-DA00); KIMBROUGH, KENNETH L. (SSC-DA20); Sanders, Claude B. (SSC-RA10)

**Subject:** Fw: B-Stand Post clean-up Inspection

Robert,  
We would like to schedule an inspection for tomorrow if possible.  
Please let me know if you would be available and if so, what time.  
Thank you

(b)(6)  
----- Forwarded by (b)(6) HPA/EGS/EMCORGROUP on 03/11/2015 08:57 AM -----

From: "Edge, Jason F. (SSC-DA00)" <jason.f.edge@nasa.gov>  
To: (b)(6)  
Cc: "Gargiulo, Robert F. (SSC-QA10)" <robert.f.gargiulo@nasa.gov>, "KIMBROUGH, KENNETH L. (SSC-DA20)" <kenneth.l.kimbrough@nasa.gov>, "Huk, James D. (SSC-DA00)" <james.d.huk@nasa.gov>, "Sanders, Claude B. (SSC-RA10)" <claudio.b.sanders@nasa.gov>  
Date: 03/10/2015 04:38 PM  
Subject: FW: B-Stand Post clean-up Inspection

(b)(6)

I would like for HP and NASA to physically walk the areas that have come back as failed. This should not be that hard. (b)(6) I would like you to please schedule a walk down with Robert Gargiulo as soon as possible for the areas of concern and what we are looking for is clear evidence that an area has not been cleaned. After your walk down I would like an email from you both indicating the results of the inspection. If an area is found to have been missed during the cleaning, then I would expect HP to clean that area. If no areas are found to be visibly dirty (i.e. did not get cleaned) then I would say HP is done with the cleaning of the stand as a result of their breach in the containment area. Please have this visual inspection done as soon as possible so we can put this issue to rest. Thank you both for your efforts so far.

Jason Edge  
Contracting Officer

**From:** Gargiulo, Robert F. (SSC-QA10)  
**Sent:** Tuesday, March 10, 2015 4:23 PM  
**To:** Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20)  
**Cc:** Lorance, David K. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Wright, Katrina L. (SSC-RA02); SOUTHERS, ROBERT L. (SSC-QA10); Baldwin, Arnold B. (JSC-NT411); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]  
**Subject:** B-Stand Post clean-up Inspection

Jason Edge,

Request an inspection of the areas Harry Pepper and Associates have cleaned. This includes all of the Soft Core and the exterior platforms on the south side of the B-Stand.

Robert Gargiulo

**Robert F. Gargiulo**

Chief, Safety, Quality and Management Systems Division

SSC Safety & Mission Assurance Directorate (QA-10)

Office: 228-688-3842

Cell: 228-344-8664

Fax: 228-688-3587

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**Edge, Jason F. (SSC-DA00)**

---

**From:** KIMBROUGH, KENNETH L. (SSC-DA20)  
**Sent:** Tuesday, April 21, 2015 1:45 PM  
**To:** (b)(6) (SSC-LMATA)[LMATA Government Services LLC]  
**Subject:** FW: B-Stand Walkdown List

**Importance:** High

Ken L. Kimbrough  
Contracting Officer  
Office of Procurement  
Stennis Space Center  
228-688-1827

**From:** (b)(6)  
**Sent:** Wednesday, March 25, 2015 12:02 PM  
**To:** KIMBROUGH, KENNETH L. (SSC-DA20)  
**Subject:** RE: B-Stand Walkdown List

Thanks Ken,  
With the elevator clean and the soft core clean we should be able to open up one of the elevators to get you guys up to level 17 or 18.  
I'll check with Robert on that.

(b)(6)

**From:** "KIMBROUGH, KENNETH L. (SSC-DA20)" <kenneth.l.kimbrough@nasa.gov>  
**To:** (b)(6); "Sanders, Claude B. (SSC-RA10)" <claudesanders@nasa.gov>  
**Cc:** "Lorance, David K. (SSC-RA02)" <david.k.lorance@nasa.gov>, "Huk, James D. (SSC-DA00)" <james.d.huk@nasa.gov>, "Edge, Jason F. (SSC-DA00)" <jason.f.edge@nasa.gov>, "Carr, Katie (SSC-QA20)" <katie.e.carr@nasa.gov>, "Gargiulo, Robert F. (SSC-QA20)" <robert.f.gargiulo@nasa.gov>, "SOUTHERS, ROBERT L. (SSC-QA10)" <robert.l.southers@nasa.gov>, (b)(6)  
**Date:** 03/25/2015 11:05 AM  
**Subject:** RE: B-Stand Walkdown List

Jim Huk and Myself will be present at the inspection. Please let us know when it is scheduled.

Ken

**From:** [REDACTED] (b)(6)  
**Sent:** Wednesday, March 25, 2015 11:02 AM  
**To:** Sanders, Claude B. (SSC-RA10)  
**Cc:** Baldwin, Arnold B. (JSC-NT411); [REDACTED] (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Lorange, David K. (SSC-RA02); Huk, James D. (SSC-DA00); Edge, Jason F. (SSC-DA00); [REDACTED] (b)(6) Carr, Katie (SSC-QA20); KIMBROUGH, KENNETH L. (SSC-DA20); [REDACTED] (b)(6) Rauch, Richard T. (SSC-EA61); Gargiulo, Robert F. (SSC-QA20); SOUTHERS, ROBERT L. (SSC-QA10); [REDACTED] (b)(6)  
**Subject:** RE: B-Stand Walkdown List

Robert / Dave,  
Please see attached the Post Clean Up punch list signed off by OHC.  
We would like to schedule an inspection at your convenience.  
Thank you

[REDACTED] (b)(6)

**From:** "Sanders, Claude B. (SSC-RA10)" <claudb.sanders@nasa.gov>  
**To:** "Gargiulo, Robert F. (SSC-QA20)" <robert.f.gargiulo@nasa.gov>, "KIMBROUGH, KENNETH L. (SSC-DA20)" <kenneth.l.kimbrough@nasa.gov>, [REDACTED] (b)(6)  
**Cc:** "Huk, James D. (SSC-DA00)" <james.d.huk@nasa.gov>, "KIMBROUGH, KENNETH L. (SSC-DA20)" <kenneth.l.kimbrough@nasa.gov>, "Carr, Katie (SSC-QA20)" <katie.e.carr@nasa.gov>, "Edge, Jason F. (SSC-DA00)" <jason.f.edge@nasa.gov>, "Rauch, Richard T. (SSC-EA61)" <richard.t.rauch@nasa.gov>, "SOUTHERS, ROBERT L. (SSC-QA10)" <robert.l.southers@nasa.gov>, "Baldwin, Arnold B. (JSC-NT411)" <arnold.b.baldwin@nasa.gov>, "Lorange, David K. (SSC-RA02)" <david.k.lorange@nasa.gov>, [REDACTED] (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)] [REDACTED] (b)(6)  
**Date:** 03/16/2015 04:53 PM  
**Subject:** RE: B-Stand Walkdown List

[REDACTED] (b)(6)

Please advise us as to when the punchlist is complete, so we can schedule a walkdown and buyoff of the areas.

Thanks,

Brennan

---

**From:** Gargiulo, Robert F. (SSC-QA10)

**Sent:** Friday, March 13, 2015 3:57 PM

**To:** KIMBROUGH, KENNETH L. (SSC-DA20);

(b)(6)

**Cc:** Huk, James D. (SSC-DA00); Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20); Carr, Katie (SSC-QA20); Edge, Jason F. (SSC-DA00); Rauch, Richard T. (SSC-EA61); SOUTHERS, ROBERT L. (SSC-QA10); Baldwin, Arnold B. (JSC-NT411); Lorance, David K. (SSC-RA02);

(b)(6)

(SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC

FOSC)];

(b)(6)

**Subject:** B-Stand Walkdown List

Ken Kimbrough,

Attached is the final mutually agreed to list between HPA and NASA after the walkdown of the B-Test Stand. The areas noted in the attached will be cleaned by HPA. NASA will perform a visual inspection of the noted area after HPA has cleaned the areas. Sincerely appreciate all parties team approach to addressing the B-Stand cleaning

<< File: FINAL POST Clean up Inspection Punchlist 03 13.pdf >>

Robert

**Robert F. Gargiulo**

Chief, Test Operations Support Division

SSC Safety & Mission Assurance Directorate (QA-20)

Office: 228-688-3842

Cell: 228-344-8664

Fax: 228-688-3587

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**Edge, Jason F. (SSC-DA00)**

---

**From:** KIMBROUGH, KENNETH L. (SSC-DA20)  
**Sent:** Tuesday, April 21, 2015 1:32 PM  
**To:** (b)(6) (SSC-LMATA)[LMATA Government Services LLC]  
**Subject:** FW: B-Stand Post clean-up Inspection  
**Importance:** High

Ken L. Kimbrough  
Contracting Officer  
Office of Procurement  
Stennis Space Center  
228-688-1827

**From:** Edge, Jason F. (SSC-DA00)  
**Sent:** Tuesday, March 10, 2015 4:35 PM  
**To:** (b)(6)  
**Cc:** Gargiulo, Robert F. (SSC-QA10); KIMBROUGH, KENNETH L. (SSC-DA20); Huk, James D. (SSC-DA00); Sanders, Claude B. (SSC-RA10)  
**Subject:** FW: B-Stand Post clean-up Inspection

(b)(6)

I would like for HP and NASA to physically walk the areas that have come back as failed. This should not be that hard. (b)(6) I would like you to please schedule a walk down with Robert Gargiulo as soon as possible for the areas of concern and what we are looking for is clear evidence that an area has not been cleaned. After your walk down I would like an email from you both indicating the results of the inspection. If an area is found to have been missed during the cleaning, then I would expect HP to clean that area. If no areas are found to be visibly dirty (i.e. did not get cleaned) then I would say HP is done with the cleaning of the stand as a result of their breach in the containment area. Please have this visual inspection done as soon as possible so we can put this issue to rest. Thank you both for your efforts so far.

Jason Edge  
Contracting Officer

**From:** Gargiulo, Robert F. (SSC-QA10)

**Sent:** Tuesday, March 10, 2015 4:23 PM

**To:** Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20)

**Cc:** Lorance, David K. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Wright, Katrina L. (SSC-RA02); SOUTHERS, ROBERT L. (SSC-QA10); Baldwin, Arnold B. (JSC-NT411); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]

**Subject:** B-Stand Post clean-up Inspection

Jason Edge,

Request an inspection of the areas Harry Pepper and Associates have cleaned. This includes all of the Soft Core and the exterior platforms on the south side of the B-Stand.

Robert Gargiulo

**Robert F. Gargiulo**

Chief, Safety, Quality and Management Systems Division

SSC Safety & Mission Assurance Directorate (QA-10)

Office: 228-688-3842

Cell: 228-344-8664

Fax: 228-688-3587

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**Edge, Jason F. (SSC-DA00)**

---

**From:** Gargiulo, Robert F. (SSC-QA10)  
**Sent:** Tuesday, March 10, 2015 7:32 AM  
**To:** (b)(6) Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20); (b)(6)  
**Cc:** Lorange, David K. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Wright, Katrina L. (SSC-RA02); SOUTHERS, ROBERT L. (SSC-QA10); Baldwin, Arnold B. (JSC-NT411); (b)(6)  
(b)(6)  
**Subject:** RE: B-Stand Clearance and Surveillance Sample results  
**Attachments:** lab rpt\_lead wipe\_3-6-15pm with highlight-comment.pdf

Ken Kimbrough, Jason Edge et al,

See the attached verification wipe samples for the Soft Core for Levels 11 through Level 17. Several levels/areas did not pass the clearance criteria of 400 µg/ft<sup>2</sup> – General interior work areas (highlighted in the attached).

In addition to the areas noted in the email below, Harry Pepper and Associates will need to re-clean the following areas of the softcore.

- Level 12
- Level 14
- Level 15
- Level 16
- Level 17

**Robert F. Gargiulo**

Chief, Safety, Quality and Management Systems Division  
SSC Safety & Mission Assurance Directorate (QA-10)  
Office: 228-688-3842  
Cell: 228-344-8664  
Fax: 228-688-3587

*MISSION FIRST, SAFETY ALWAYS!!!*

**From:** Gargiulo, Robert F. (SSC-QA10)  
**Sent:** Monday, March 09, 2015 9:41 AM

**To:** (b)(6) Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20); (b)(6)

Cc: Lorange, David K. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Wright, Katrina L. (SSC-RA02); SOUTHERS, ROBERT I (SSC-QA10); Baldwin, Arnold B. (JSC-NT411); (b)(6)

**Subject:** B-Stand Clearance and Surveillance Sample results

Ken Kimbrough, Jason Edge et al

Attached are the verification clean sample results from Friday, 6 March 2015 for the exterior areas and Soft Core areas Harry Pepper and Associates (HPA) has cleaned. Several results are above the interior and exterior clearance criteria and will need to be re-cleaned by HPA and resampled. Please see the highlighted results in the attached pdf

SOFT CORE INTERIOR -400  $\mu\text{g}/\text{ft}^2$  – General interior work areas  
EXTERIOR PLATFORM AREAS -800  $\mu\text{g}/\text{ft}^2$  – Exterior concrete and other exterior work surfaces

These include:

- South side of Level 8 (outside)
- South Side of Level 9 (outside)
- North side of Level 8.5 (outside)
- South Side of Level 20 (outside)
- Interior of Level 18 North and East sides

Please note client sample # 1009 and 1010 are for the construction elevator vs. the elevators inside the test stand. Hence their clearance criteria is -800  $\mu\text{g}/\text{ft}^2$

Robert F. Gargiulo

**Robert F. Gargiulo**

Chief, Safety, Quality and Management Systems Division  
SSC Safety & Mission Assurance Directorate (QA-10)  
Office: 228-688-3842  
Cell: 228-344-8664  
Fax: 228-688-3687

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# EMSL Analytical, Inc.

11931 Industriplex, Suite 100, Baton Rouge, LA 70809  
Phone/Fax (225) 755-1920 / (225) 755-1989  
<http://www.EMSL.com> [batonrougelab@emsl.com](mailto:batonrougelab@emsl.com)

EMSL Order: (b)(4)  
CustomerID: TECH55  
CustomerPO:  
ProjectID:

Attn: (b)(6)  
**Technical Environmental Service, Inc.**  
**PO Box 1601**  
**Marrero, LA 70073**

Phone: (504) 348-3098  
Fax: (504) 348-3043  
Received: 03/09/15 8:00 AM  
Collected: 3/6/2015

## Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)\*

Client Sample Description	Lab ID	Collected	Analyzed	Area Sampled	Lead Concentration
1027	251501303-0001	3/6/2015	3/9/2015	144 in <sup>2</sup>	530 µg/ft <sup>2</sup>
	Site: Lvl 17 East in				
1028	251501303-0002	3/6/2015	3/9/2015	144 in <sup>2</sup>	320 µg/ft <sup>2</sup>
	Site: Lvl 17 North in				
1029	251501303-0003	3/6/2015	3/9/2015	144 in <sup>2</sup>	31 µg/ft <sup>2</sup>
	Site: Lvl 17 West in				
1030	251501303-0004	3/6/2015	3/9/2015	144 in <sup>2</sup>	350 µg/ft <sup>2</sup>
	Site: Lvl 17 South in				
1031	251501303-0005	3/6/2015	3/9/2015	144 in <sup>2</sup>	52 µg/ft <sup>2</sup>
	Site: Lvl 17 midrail in				
1032	251501303-0006	3/6/2015	3/9/2015	144 in <sup>2</sup>	<10 µg/ft <sup>2</sup>
	Site: Lvl 17 handrail				
1033	251501303-0007	3/6/2015	3/9/2015	144 in <sup>2</sup>	8700 µg/ft <sup>2</sup>
	Site: Lvl 16 East in				
1034	251501303-0008	3/6/2015	3/9/2015	144 in <sup>2</sup>	8400 µg/ft <sup>2</sup>
	Site: Lvl 16 North in				
1035	251501303-0009	3/6/2015	3/9/2015	144 in <sup>2</sup>	77 µg/ft <sup>2</sup>
	Site: Lvl 16 West in				
1036	251501303-0010	3/6/2015	3/9/2015	144 in <sup>2</sup>	290 µg/ft <sup>2</sup>
	Site: Lvl 16 South in				
1037	251501303-0011	3/6/2015	3/9/2015	144 in <sup>2</sup>	53 µg/ft <sup>2</sup>
	Site: Lvl 16 hand rail				
1038	251501303-0012	3/6/2015	3/9/2015	144 in <sup>2</sup>	40 µg/ft <sup>2</sup>
	Site: Lvl 15 mid rail in				
1039	251501303-0013	3/6/2015	3/9/2015	144 in <sup>2</sup>	2300 µg/ft <sup>2</sup>
	Site: Lvl 15 North in				
1040	251501303-0014	3/6/2015	3/9/2015	144 in <sup>2</sup>	11000 µg/ft <sup>2</sup>
	Site: Lvl 15 West in				
1041	251501303-0015	3/6/2015	3/9/2015	144 in <sup>2</sup>	19000 µg/ft <sup>2</sup>
	Site: Lvl 15 East in				
1042	251501303-0016	3/6/2015	3/9/2015	144 in <sup>2</sup>	5700 µg/ft <sup>2</sup>
	Site: Lvl 15 South in				

(b)(6)  
(b)(6) Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft<sup>2</sup> x area sampled in ft<sup>2</sup>. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft<sup>2</sup> which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise  
Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 03/09/2015 12:43:25

**EMSL Analytical, Inc.**

11931 Industriplex, Suite 100, Baton Rouge, LA 70809  
 Phone/Fax: (225) 755-1920 / (225) 755-1989  
<http://www.EMSL.com> [batonrougelab@emsl.com](mailto:batonrougelab@emsl.com)

EMSL Order: (b)(7)(D)  
 CustomerID: TECH55  
 CustomerPO:  
 ProjectID:

Attn: (b)(6)  
**Technical Environmental Service, Inc.**  
**PO Box 1601**  
**Marrero, LA 70073**

Phone: (504) 348-3098  
 Fax: (504) 348-3043  
 Received: 03/09/15 8:00 AM  
 Collected: 3/6/2015

**Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)\***

Client Sample Description	Lab ID	Collected	Analyzed	Area Sampled	Lead Concentration
1043	251501303-0017	3/6/2015	3/9/2015	144 in <sup>2</sup>	25 µg/ft <sup>2</sup>
Site: Lvl 15 hand rail in					
1044	251501303-0018	3/6/2015	3/9/2015	144 in <sup>2</sup>	35 µg/ft <sup>2</sup>
Site: Lvl 15 mid rail in					
1045	251501303-0019	3/6/2015	3/9/2015	144 in <sup>2</sup>	2900 µg/ft <sup>2</sup>
Site: Lvl 14 East in					
1046	251501303-0020	3/6/2015	3/9/2015	144 in <sup>2</sup>	930 µg/ft <sup>2</sup>
Site: Lvl 14 North in					
1047	251501303-0021	3/6/2015	3/9/2015	144 in <sup>2</sup>	450 µg/ft <sup>2</sup>
Site: Lvl 14 West in					
1048	251501303-0022	3/6/2015	3/9/2015	144 in <sup>2</sup>	270 µg/ft <sup>2</sup>
Site: Lvl 14 South in					
1049	251501303-0023	3/6/2015	3/9/2015	144 in <sup>2</sup>	24 µg/ft <sup>2</sup>
Site: Lvl 14 hand rail					
1050	251501303-0024	3/6/2015	3/9/2015	144 in <sup>2</sup>	28 µg/ft <sup>2</sup>
Site: Lvl 14 mid rail					
1051	251501303-0025	3/6/2015	3/9/2015	144 in <sup>2</sup>	92 µg/ft <sup>2</sup>
Site: Lvl 13 0'					
1052	251501303-0026	3/6/2015	3/9/2015	144 in <sup>2</sup>	22 µg/ft <sup>2</sup>
Site: Lvl 13 10'					
1053	251501303-0027	3/6/2015	3/9/2015	144 in <sup>2</sup>	130 µg/ft <sup>2</sup>
Site: Lvl 13 20'					
1054	251501303-0028	3/6/2015	3/9/2015	144 in <sup>2</sup>	83 µg/ft <sup>2</sup>
Site: Lvl 13 30'					
1055	251501303-0029	3/6/2015	3/9/2015	144 in <sup>2</sup>	24 µg/ft <sup>2</sup>
Site: Lvl 13 hand rail in					
1056	251501303-0030	3/6/2015	3/9/2015	144 in <sup>2</sup>	33 µg/ft <sup>2</sup>
Site: Lvl 13 mid rail in					
1057	251501303-0031	3/6/2015	3/9/2015	144 in <sup>2</sup>	570 µg/ft <sup>2</sup>
Site: Lvl 12 0' in					
1058	251501303-0032	3/6/2015	3/9/2015	144 in <sup>2</sup>	31 µg/ft <sup>2</sup>
Site: Lvl 12 10' in					

(b)(6)  
 (b)(6) Laboratory Manager  
 or other approved signatory

\*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft<sup>2</sup> x area sampled in ft<sup>2</sup>. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft<sup>2</sup> which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.  
 Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 03/09/2015 12:43:25



# EMSL Analytical, Inc.

11931 Industriplex, Suite 100, Baton Rouge, LA 70809  
Phone/Fax: (225) 755-1920 / (225) 755-1989  
http://www.EMSL.com      batonroucelab@emsl.com

EMSL Order: **(b)(6)**  
CustomerID: TECH55  
CustomerPO:  
ProjectID:

Attn: **(b)(6)**

**Technical Environmental Service, Inc.**  
**PO Box 1601**  
**Marrero, LA 70073**

Phone: (504) 348-3098  
Fax: (504) 348-3043  
Received: 03/09/15 8:00 AM  
Collected: 3/6/2015

## Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)\*

Client Sample Description	Lab ID	Collected	Analyzed	Area Sampled	Lead Concentration
1059	251501303-0033	3/6/2015	3/9/2015	144 in <sup>2</sup> Site: Lvl 12 20' in	710 µg/ft <sup>2</sup>
1060	251501303-0034	3/6/2015	3/9/2015	144 in <sup>2</sup> Site: Lvl 12 30 ft in	210 µg/ft <sup>2</sup>
1061	251501303-0035	3/6/2015	3/9/2015	144 in <sup>2</sup> Site: Lvl 12 40 ft in	390 µg/ft <sup>2</sup>
1062	251501303-0036	3/6/2015	3/9/2015	144 in <sup>2</sup> Site: Lvl 12 hand rail	110 µg/ft <sup>2</sup>
1063	251501303-0037	3/6/2015	3/9/2015	144 in <sup>2</sup> Site: Lvl 12 mid rail	26 µg/ft <sup>2</sup>
1064	251501303-0038	3/6/2015	3/9/2015	144 in <sup>2</sup> Site: Lvl 11 0' in	44 µg/ft <sup>2</sup>
1065	251501303-0039	3/6/2015	3/9/2015	144 in <sup>2</sup> Site: Lvl 11 10' in	170 µg/ft <sup>2</sup>
1066	251501303-0040	3/6/2015	3/9/2015	144 in <sup>2</sup> Site: Lvl 11 20' in	350 µg/ft <sup>2</sup>
1067	251501303-0041	3/6/2015	3/9/2015	144 in <sup>2</sup> Site: Lvl 11 30' in	33 µg/ft <sup>2</sup>
1068	251501303-0042	3/6/2015	3/9/2015	144 in <sup>2</sup> Site: Lvl 11 40'	190 µg/ft <sup>2</sup>
1069	251501303-0043	3/6/2015	3/9/2015	144 in <sup>2</sup> Site: Lvl 11 mid rail	24 µg/ft <sup>2</sup>
1070	251501303-0044	3/6/2015	3/9/2015	144 in <sup>2</sup> Site: Lvl 11 mid rail	94 µg/ft <sup>2</sup>

**(b)(6)**

**(b)(6)** Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe, ug/wipe = ug/ft<sup>2</sup> x area sampled in ft<sup>2</sup>. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft<sup>2</sup> which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 03/09/2015 12:43:25

**Edge, Jason F. (SSC-DA00)**

---

**From:** Gargiulo, Robert F. (SSC-QA10)  
**Sent:** Monday, March 09, 2015 9:41 AM  
**To:** (b)(6) Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20); (b)(6)  
**Cc:** Lorance, David K. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Wright, Katrina L. (SSC-RA02); SOUTHERS, ROBERT L. (SSC-QA10); Baldwin, Arnold B. (JSC-NT411); (b)(6)  
(b)(6)  
**Subject:** B-Stand Clearance and Surveillance Sample results  
**Attachments:** lab rpt\_lead wipe\_3-6-15am rfg comments.pdf

Ken Kimbrough, Jason Edge et al

Attached are the verification clean sample results from Friday, 6 March 2015 for the exterior areas and Soft Core areas Harry Pepper and Associates (HPA) has cleaned. Several results are above the interior and exterior clearance criteria and will need to be re-cleaned by HPA and resampled. Please see the highlighted results in the attached pdf

SOFT CORE INTERIOR -400 µg/ft<sup>2</sup> – General interior work areas  
EXTERIOR PLATFORM AREAS -800 µg/ft<sup>2</sup> – Exterior concrete and other exterior work surfaces

These include:

- South side of Level 8 (outside)
- South Side of Level 9 (outside)
- North side of Level 8.5 (outside)
- South Side of Level 20 (outside)
- Interior of Level 18 North and East sides

Please note client sample # 1009 and 1010 are for the construction elevator vs. the elevators inside the test stand. Hence their clearance criteria is -800 µg/ft<sup>2</sup>

Robert F. Gargiulo

**Robert F. Gargiulo**

Chief, Safety, Quality and Management Systems Division  
SSC Safety & Mission Assurance Directorate (QA-10)  
Office: 228-688-3842  
Cell: 228-344-8664  
Fax: 228-688-3587



# EMSL Analytical, Inc.

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http://www.EMSL.com batonrougelab@emsl.com

EMSL Order: (b)(4)  
CustomerID: TECH55  
CustomerPO: (b)(4)  
ProjectID:

Attn: (b)(6)

**Technical Environmental Service, Inc.**  
**PO Box 1601**  
**Marrero, LA 70073**

Phone: (504) 348-3098  
Fax: (504) 348-3043  
Received: 03/06/15 1:40 PM  
Collected: 3/6/2015

Project: IH1294 15071

## Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)\*

Client Sample Description	Lab ID	Collected	Analyzed	Area Sampled	Lead Concentration
1000	251501296-0001	3/6/2015	3/6/2015	144 in <sup>2</sup>	2300 µg/ft <sup>2</sup>
Site: Lvl 8 South Out					
1001	251501296-0002	3/6/2015	3/6/2015	144 in <sup>2</sup>	190 µg/ft <sup>2</sup>
Site: Lvl 7 South Out					
1002	251501296-0003	3/6/2015	3/6/2015	144 in <sup>2</sup>	960 µg/ft <sup>2</sup>
Site: Lvl 9 South Out					
1003	251501296-0004	3/6/2015	3/6/2015	144 in <sup>2</sup>	130 µg/ft <sup>2</sup>
Site: Lvl 10 North Out					
1004	251501296-0005	3/6/2015	3/6/2015	144 in <sup>2</sup>	800 µg/ft <sup>2</sup>
Site: Lvl 9 East Out					
1005	251501296-0006	3/6/2015	3/6/2015	144 in <sup>2</sup>	200 µg/ft <sup>2</sup>
Site: Lvl 8.5 West Out					
1006	251501296-0007	3/6/2015	3/6/2015	144 in <sup>2</sup>	1900 µg/ft <sup>2</sup>
Site: Lvl 8.5 North Out					
1007	251501296-0008	3/6/2015	3/6/2015	144 in <sup>2</sup>	340 µg/ft <sup>2</sup>
Site: Lvl 8.5 East Out					
1008	251501296-0009	3/6/2015	3/6/2015	144 in <sup>2</sup>	140 µg/ft <sup>2</sup>
Site: Lvl 8.5 South Out					
1009	251501296-0010	3/6/2015	3/6/2015	144 in <sup>2</sup>	460 µg/ft <sup>2</sup>
Site: Lvl 10 Elevator Floor					
1010	251501296-0011	3/6/2015	3/6/2015	144 in <sup>2</sup>	16 µg/ft <sup>2</sup>
Site: Lvl 10 Elevator Wall					
1011	251501296-0012	3/6/2015	3/6/2015	144 in <sup>2</sup>	170 µg/ft <sup>2</sup>
Site: Lvl 20 North Out					
1012	251501296-0013	3/6/2015	3/6/2015	144 in <sup>2</sup>	100 µg/ft <sup>2</sup>
Site: Lvl 20 West Out					
1013	251501296-0014	3/6/2015	3/6/2015	144 in <sup>2</sup>	1400 µg/ft <sup>2</sup>
Site: Lvl 20 South Out					
1014	251501296-0015	3/6/2015	3/6/2015	144 in <sup>2</sup>	230 µg/ft <sup>2</sup>
Site: Lvl 20 East Out					

(b)(6)

(b)(6) Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft<sup>2</sup> x area sampled in ft<sup>2</sup>. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft<sup>2</sup> which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise  
Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 03/06/2015 16:49:20

**EMSL Analytical, Inc.**

11931 Industriplex, Suite 100, Baton Rouge, LA 70809  
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<http://www.EMSL.com> [batonrougelab@emsl.com](mailto:batonrougelab@emsl.com)

EMSL Order: (b)(4)  
 CustomerID: TECH55  
 CustomerPO: (b)(4)  
 ProjectID:

Attn: (b)(6)  
**Technical Environmental Service, Inc.**  
**PO Box 1601**  
**Marrero, LA 70073**

Phone: (504) 348-3098  
 Fax: (504) 348-3043  
 Received: 03/06/15 1:40 PM  
 Collected: 3/6/2015

Project: IH1294 15071

**Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)\***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Area Sampled</i>	<i>Lead Concentration</i>
1015	251501296-0016	3/6/2015	3/6/2015	144 in <sup>2</sup>	400 µg/ft <sup>2</sup>
	Site: Lvl 19 South In				
1016	251501296-0017	3/6/2015	3/6/2015	144 in <sup>2</sup>	79 µg/ft <sup>2</sup>
	Site: Lvl 19 East In				
1017	251501296-0018	3/6/2015	3/6/2015	144 in <sup>2</sup>	260 µg/ft <sup>2</sup>
	Site: Lvl 19 South In				
1018	251501296-0019	3/6/2015	3/6/2015	144 in <sup>2</sup>	120 µg/ft <sup>2</sup>
	Site: Lvl 19 East In				
1019	251501296-0020	3/6/2015	3/6/2015	144 in <sup>2</sup>	90 µg/ft <sup>2</sup>
	Site: Lvl 19 Handrail In				
1020	251501296-0021	3/6/2015	3/6/2015	144 in <sup>2</sup>	40 µg/ft <sup>2</sup>
	Site: Lvl 19 Mid Rail In				
1021	251501296-0022	3/6/2015	3/6/2015	144 in <sup>2</sup>	55 µg/ft <sup>2</sup>
	Site: Lvl 18 South In				
1022	251501296-0023	3/6/2015	3/6/2015	144 in <sup>2</sup>	110 µg/ft <sup>2</sup>
	Site: Lvl 18 West In				
1023	251501296-0024	3/6/2015	3/6/2015	144 in <sup>2</sup>	490 µg/ft <sup>2</sup>
	Site: Lvl 18 North In				

**Edge, Jason F. (SSC-DA00)**

---

**From:** KIMBROUGH, KENNETH L. (SSC-DA20)  
**Sent:** Tuesday, April 21, 2015 1:29 PM  
**To:** (b)(6) (SSC-LMATA)[LMATA Government Services LLC]  
**Subject:** FW: B-Stand Clearance and Surveillance Sample results  
**Attachments:** lab\_rpt\_lead\_wipe\_3-6-15pm with highlight-comment.pdf  
**Importance:** High

Ken L. Kimbrough  
Contracting Officer  
Office of Procurement  
Stennis Space Center  
228-688-1827

**From:** Gargiulo, Robert F. (SSC-QA10)  
**Sent:** Tuesday, March 10, 2015 7:32 AM  
**To:** (b)(6) Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20); (b)(6)  
**Cc:** Lorange, David K. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Wright, Katrina L. (SSC-RA02); SOUTHERS, ROBERT L. (SSC-QA10); Baldwin, Arnold B. (JSC-NT411); (b)(6)  
(b)(6)  
**Subject:** RE: B-Stand Clearance and Surveillance Sample results

Ken Kimbrough, Jason Edge et al,

See the attached verification wipe samples for the Soft Core for Levels 11 through Level 17. Several levels/areas did not pass the clearance criteria of 400 µg/ft<sup>2</sup> – General interior work areas (highlighted in the attached).

In addition to the areas noted in the email below, Harry Pepper and Associates will need to re-clean the following areas of the softcore.

Level 12

Level 14

Level 15  
Level 16  
Level 17

**Robert F. Gargiulo**

Chief, Safety, Quality and Management Systems Division  
SSC Safety & Mission Assurance Directorate (QA-10)  
Office: 228-688-3842  
Cell: 228-344-8664  
Fax: 228-688-3587  
*MISSION FIRST, SAFETY ALWAYS!!!*

**From:** Gargiulo, Robert F. (SSC-QA10)  
**Sent:** Monday, March 09, 2015 9:41 AM

**To:** [REDACTED] (b)(6) Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L (SSC-DA20) [REDACTED] (b)(6)  
**Cc:** Lorange, David K. (SSC-RA02); [REDACTED] (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Wright, Katrina L. (SSC-RA02); SOUTHERS, ROBERT L. (SSC-QA10); Baldwin, Arnold B. (JSC-NT411); [REDACTED] (b)(6)  
[REDACTED] (b)(6)  
**Subject:** B-Stand Clearance and Surveillance Sample results

Ken Kimbrough, Jason Edge et al

Attached are the verification clean sample results from Friday, 6 March 2015 for the exterior areas and Soft Core areas Harry Pepper and Associates (HPA) has cleaned. Several results are above the interior and exterior clearance criteria and will need to be re-cleaned by HPA and resampled. Please see the highlighted results in the attached pdf

SOFT CORE INTERIOR	-400 µg/ft <sup>2</sup> – General interior work areas
EXTERIOR PLATFORM AREAS	-800 µg/ft <sup>2</sup> – Exterior concrete and other exterior work surfaces

These include:

- South side of Level 8 (outside)
- South Side of Level 9 (outside)
- North side of Level 8.5 (outside)
- South Side of Level 20 (outside)
- Interior of Level 18 North and East sides

Please note client sample # 1009 and 1010 are for the construction elevator vs. the elevators inside the test stand. Hence their clearance criteria is -800 µg/ft<sup>2</sup>

Robert F. Gargiulo

**Robert F. Gargiulo**

Chief, Safety, Quality and Management Systems Division  
SSC Safety & Mission Assurance Directorate (QA-10)

Office: 228-688-3842

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Attn: (b)(6)

**Technical Environmental Service, Inc.**  
**PO Box 1601**  
**Marrero, LA 70073**

Phone: (504) 348-3098  
Fax: (504) 348-3043  
Received: 03/09/15 8:00 AM  
Collected: 3/6/2015

## Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)\*

Client Sample Description	Lab ID	Collected	Analyzed	Area Sampled	Lead Concentration
1027 Site: Lvl 17 East in	251501303-0001	3/6/2015	3/9/2015	144 in <sup>2</sup>	530 µg/ft <sup>2</sup>
1028 Site: Lvl 17 North in	251501303-0002	3/6/2015	3/9/2015	144 in <sup>2</sup>	320 µg/ft <sup>2</sup>
1029 Site: Lvl 17 West in	251501303-0003	3/6/2015	3/9/2015	144 in <sup>2</sup>	31 µg/ft <sup>2</sup>
1030 Site: Lvl 17 South in	251501303-0004	3/6/2015	3/9/2015	144 in <sup>2</sup>	350 µg/ft <sup>2</sup>
1031 Site: Lvl 17 midrail in	251501303-0005	3/6/2015	3/9/2015	144 in <sup>2</sup>	52 µg/ft <sup>2</sup>
1032 Site: Lvl 17 handrail	251501303-0006	3/6/2015	3/9/2015	144 in <sup>2</sup>	<10 µg/ft <sup>2</sup>
1033 Site: Lvl 16 East in	251501303-0007	3/6/2015	3/9/2015	144 in <sup>2</sup>	8700 µg/ft <sup>2</sup>
1034 Site: Lvl 16 North in	251501303-0008	3/6/2015	3/9/2015	144 in <sup>2</sup>	6400 µg/ft <sup>2</sup>
1035 Site: Lvl 16 West in	251501303-0009	3/6/2015	3/9/2015	144 in <sup>2</sup>	77 µg/ft <sup>2</sup>
1036 Site: Lvl 16 South in	251501303-0010	3/6/2015	3/9/2015	144 in <sup>2</sup>	290 µg/ft <sup>2</sup>
1037 Site: Lvl 16 hand rail	251501303-0011	3/6/2015	3/9/2015	144 in <sup>2</sup>	53 µg/ft <sup>2</sup>
1038 Site: Lvl 15 mid rail in	251501303-0012	3/6/2015	3/9/2015	144 in <sup>2</sup>	40 µg/ft <sup>2</sup>
1039 Site: Lvl 15 North in	251501303-0013	3/6/2015	3/9/2015	144 in <sup>2</sup>	2300 µg/ft <sup>2</sup>
1040 Site: Lvl 15 West in	251501303-0014	3/6/2015	3/9/2015	144 in <sup>2</sup>	11000 µg/ft <sup>2</sup>
1041 Site: Lvl 15 East in	251501303-0015	3/6/2015	3/9/2015	144 in <sup>2</sup>	19000 µg/ft <sup>2</sup>
1042 Site: Lvl 15 South in	251501303-0016	3/6/2015	3/9/2015	144 in <sup>2</sup>	5700 µg/ft <sup>2</sup>

(b)(6)  
(b)(6) Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft<sup>2</sup> x area sampled in ft<sup>2</sup>. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft<sup>2</sup> which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAP unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 03/09/2015 12:43:25



# EMSL Analytical, Inc.

11931 Industriplex, Suite 100, Baton Rouge, LA 70809  
Phone/Fax (225) 755-1920 / (225) 755-1989  
<http://www.EMSL.com> [batonrougelab@emsl.com](mailto:batonrougelab@emsl.com)

EMSL Order: (b)(4)  
CustomerID: TECH55  
CustomerPO:  
ProjectID:

Attn: (b)(6)

**Technical Environmental Service, Inc.**  
**PO Box 1601**  
**Marrero, LA 70073**

Phone: (504) 348-3098  
Fax: (504) 348-3043  
Received: 03/09/15 8:00 AM  
Collected: 3/6/2015

## Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)\*

Client Sample Description	Lab ID	Collected	Analyzed	Area Sampled	Lead Concentration
1043	251501303-0017	3/6/2015	3/9/2015	144 in <sup>2</sup>	25 µg/ft <sup>2</sup>
	Site: Lvl 15 hand rail in				
1044	251501303-0018	3/6/2015	3/9/2015	144 in <sup>2</sup>	35 µg/ft <sup>2</sup>
	Site: Lvl 15 mid rail in				
1045	251501303-0019	3/6/2015	3/9/2015	144 in <sup>2</sup>	2900 µg/ft <sup>2</sup>
	Site: Lvl 14 East in				
1046	251501303-0020	3/6/2015	3/9/2015	144 in <sup>2</sup>	930 µg/ft <sup>2</sup>
	Site: Lvl 14 North in				
1047	251501303-0021	3/6/2015	3/9/2015	144 in <sup>2</sup>	450 µg/ft <sup>2</sup>
	Site: Lvl 14 West in				
1048	251501303-0022	3/6/2015	3/9/2015	144 in <sup>2</sup>	270 µg/ft <sup>2</sup>
	Site: Lvl 14 South in				
1049	251501303-0023	3/6/2015	3/9/2015	144 in <sup>2</sup>	24 µg/ft <sup>2</sup>
	Site: Lvl 14 hand rail				
1050	251501303-0024	3/6/2015	3/9/2015	144 in <sup>2</sup>	28 µg/ft <sup>2</sup>
	Site: Lvl 14 mid rail				
1051	251501303-0025	3/6/2015	3/9/2015	144 in <sup>2</sup>	92 µg/ft <sup>2</sup>
	Site: Lvl 13 0'				
1052	251501303-0026	3/6/2015	3/9/2015	144 in <sup>2</sup>	22 µg/ft <sup>2</sup>
	Site: Lvl 13 10'				
1053	251501303-0027	3/6/2015	3/9/2015	144 in <sup>2</sup>	130 µg/ft <sup>2</sup>
	Site: Lvl 13 20'				
1054	251501303-0028	3/6/2015	3/9/2015	144 in <sup>2</sup>	83 µg/ft <sup>2</sup>
	Site: Lvl 13 30'				
1055	251501303-0029	3/6/2015	3/9/2015	144 in <sup>2</sup>	24 µg/ft <sup>2</sup>
	Site: Lvl 13 hand rail in				
1056	251501303-0030	3/6/2015	3/9/2015	144 in <sup>2</sup>	33 µg/ft <sup>2</sup>
	Site: Lvl 13 mid rail in				
1057	251501303-0031	3/6/2015	3/9/2015	144 in <sup>2</sup>	570 µg/ft <sup>2</sup>
	Site: Lvl 12 0' in				
1058	251501303-0032	3/6/2015	3/9/2015	144 in <sup>2</sup>	31 µg/ft <sup>2</sup>
	Site: Lvl 12 10' in				

(b)(6)

(b)(6) Laboratory Manager  
or other approved signatory

\*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft<sup>2</sup> x area sampled in ft<sup>2</sup>. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft<sup>2</sup> which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 03/09/2015 12:43:25

**EMSL Analytical, Inc.**

11931 Industriplex, Suite 100, Baton Rouge, LA 70809  
 Phone/Fax (225) 755-1920 / (225) 755-1989  
<http://www.EMSL.com> [batonrougelab@amsl.com](mailto:batonrougelab@amsl.com)

EMSL Order: (b)(4)  
 CustomerID: TECH55  
 CustomerPO:  
 ProjectID:

Attn: (b)(6)  
**Technical Environmental Service, Inc.**  
**PO Box 1601**  
**Marrero, LA 70073**

Phone: (504) 348-3098  
 Fax: (504) 348-3043  
 Received: 03/09/15 8:00 AM  
 Collected: 3/6/2015

**Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)\***

Client Sample Description	Lab ID	Collected	Analyzed	Area Sampled	Lead Concentration
1059	251501303-0033	3/6/2015	3/9/2015	144 in <sup>2</sup>	710 µg/ft <sup>2</sup>
	Site: Lvl 12 20' in				
1060	251501303-0034	3/6/2015	3/9/2015	144 in <sup>2</sup>	210 µg/ft <sup>2</sup>
	Site: Lvl 12 30 ft in				
1061	251501303-0035	3/6/2015	3/9/2015	144 in <sup>2</sup>	390 µg/ft <sup>2</sup>
	Site: Lvl 12 40 ft in				
1062	251501303-0036	3/6/2015	3/9/2015	144 in <sup>2</sup>	110 µg/ft <sup>2</sup>
	Site: Lvl 12 hand rail				
1063	251501303-0037	3/6/2015	3/9/2015	144 in <sup>2</sup>	26 µg/ft <sup>2</sup>
	Site: Lvl 12 mid rail				
1064	251501303-0038	3/6/2015	3/9/2015	144 in <sup>2</sup>	44 µg/ft <sup>2</sup>
	Site: Lvl 11 0' in				
1065	251501303-0039	3/6/2015	3/9/2015	144 in <sup>2</sup>	170 µg/ft <sup>2</sup>
	Site: Lvl 11 10' in				
1066	251501303-0040	3/6/2015	3/9/2015	144 in <sup>2</sup>	350 µg/ft <sup>2</sup>
	Site: Lvl 11 20' in				
1067	251501303-0041	3/6/2015	3/9/2015	144 in <sup>2</sup>	33 µg/ft <sup>2</sup>
	Site: Lvl 11 30' in				
1068	251501303-0042	3/6/2015	3/9/2015	144 in <sup>2</sup>	190 µg/ft <sup>2</sup>
	Site: Lvl 11 40'				
1069	251501303-0043	3/6/2015	3/9/2015	144 in <sup>2</sup>	24 µg/ft <sup>2</sup>
	Site: Lvl 11 mid rail				
1070	251501303-0044	3/6/2015	3/9/2015	144 in <sup>2</sup>	94 µg/ft <sup>2</sup>
	Site: Lvl 11 mid rail				

(b)(6)  
 (b)(6) Laboratory Manager  
 or other approved signatory

\*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft<sup>2</sup> x area sampled in ft<sup>2</sup>. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft<sup>2</sup> which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise  
 Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA LELAP 01950, A2LA Accredited Environmental Testing Cert #2845.03

Initial report from 03/09/2015 12:43:25

**Edge, Jason F. (SSC-DA00)**

---

**From:** KIMBROUGH, KENNETH L. (SSC-DA20)  
**Sent:** Tuesday, April 21, 2015 1:30 PM  
**To:** (b)(6) (SSC-LMATA)[LMATA Government Services LLC]  
**Subject:** FW: B-Stand Clearance and Surveillance Sample results

Ken L. Kimbrough  
Contracting Officer  
Office of Procurement  
Stennis Space Center  
228-688-1827

**From:** Huk, James D. (SSC-DA00)  
**Sent:** Tuesday, March 10, 2015 10:07 AM  
**To:** Gargiulo, Robert F. (SSC-QA10); Edge, Jason F. (SSC-DA00); Harris, Robert S. (SSC-DA00)  
**Cc:** KIMBROUGH, KENNETH L. (SSC-DA20); Sanders, Claude B. (SSC-RA10); Lorange, David K. (SSC-RA02)  
**Subject:** RE: B-Stand Clearance and Surveillance Sample results

Jay,

Please let me know when we are going meet. In the meantime I told Rob that I will respond to the attached correspondence.

“All The Best”

Jim

James D. Huk II  
Deputy, Procurement Officer  
NASA Office of Procurement/NASA Mail Code DA00

Stennis Space Center, MS 39529-6000  
Phone: (228) 688-1045 Fax: (228) 688-1141  
e-mail: [James.D.Huk@nasa.gov](mailto:James.D.Huk@nasa.gov)

Providing excellent customer support is important to us. Please let us know how we are doing, go to <http://sscweb.ssc.nasa.gov/procurement/feedback.asp> and let us know how we can improve. Also tell us when we do something great so we can continue.

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**From:** Gargiulo, Robert F. (SSC-QA10)  
**Sent:** Tuesday, March 10, 2015 9:40 AM  
**To:** Edge, Jason F. (SSC-DA00)  
**Cc:** Huk, James D. (SSC-DA00); KIMBROUGH, KENNETH L. (SSC-DA20); Sanders, Claude B. (SSC-FA10); Lorance, David K. (SSC-RA02)  
**Subject:** RE: B-Stand Clearance and Surveillance Sample results

Jim Huk caught me in the hall. Let me run over to the B Stand to drop off stop light charts. Would like to get the team together and figure out our course of action going forward.

**Robert F. Gargiulo**  
Chief, Safety, Quality and Management Systems Division  
SSC Safety & Mission Assurance Directorate (QA-10)  
Office: 228-688-3842  
Cell: 228-344-8664  
Fax: 228-688-3587  
*MISSION FIRST, SAFETY ALWAYS!!!*

**From:** Edge, Jason F. (SSC-DA00)  
**Sent:** Tuesday, March 10, 2015 8:45 AM  
**To:** Gargiulo, Robert F. (SSC-QA10)

**Cc:** Huk, James D. (SSC-DA00); KIMBROUGH, KENNETH L. (SSC-DA20)

**Subject:** Re: B-Stand Clearance and Surveillance Sample results

Robert we need to discuss this. Can we get together maybe before lunch or just after? When are you available?

Sent from Jason iPad

On Mar 10, 2015, at 7:31 AM, Gargiulo, Robert F. (SSC-QA10) <[robert.f.gargiulo@nasa.gov](mailto:robert.f.gargiulo@nasa.gov)> wrote:

Ken Kimbrough, Jason Edge et al,

See the attached verification wipe samples for the Soft Core for Levels 11 through Level 17. Several levels/areas did not pass the clearance criteria of 400 µg/ft<sup>2</sup>– General interior work areas (highlighted in the attached).

In addition to the areas noted in the email below, Harry Pepper and Associates will need to re-clean the following areas of the softcore.

Level 12  
Level 14  
Level 15  
Level 16  
Level 17

**Robert F. Gargiulo**

Chief, Safety, Quality and Management Systems Division  
SSC Safety & Mission Assurance Directorate (QA-10)  
Office: 228-688-3842  
Cell: 228-344-8664  
Fax: 228-688-3587  
*MISSION FIRST, SAFETY ALWAYS!!!*

**From:** Gargiulo, Robert F. (SSC-QA10)

**Sent:** Monday, March 09, 2015 9:41 AM

**To:** (b)(6); Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20); (b)(6)

**Cc:** Lorance, David K. (SSC-RA02); (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Wright, Katrina L. (SSC-RA02); SOUTHERS, ROBERT L. (SSC-QA10); Baldwin, Arnold B. (JSC-NT411); (b)(6)

(b)(6)  
**Subject:** B-Stand Clearance and Surveillance Sample results

Ken Kimbrough, Jason Edge et al

Attached are the verification clean sample results from Friday, 6 March 2015 for the exterior areas and Soft Core areas Harry Pepper and Associates (HPA) has cleaned. Several results are above the interior and exterior clearance criteria and will need to be re-cleaned by HPA and resampled. Please see the highlighted results in the attached pdf

SOFT CORE INTERIOR            -400  $\mu\text{g}/\text{ft}^2$  – General interior work areas  
EXTERIOR PLATFORM AREAS    -800  $\mu\text{g}/\text{ft}^2$  – Exterior concrete and other exterior work surfaces

These include:

South side of Level 8 (outside)

South Side of Level 9 (outside)

North side of Level 8.5 (outside)

South Side of Level 20 (outside)

Interior of Level 18 North and East sides

Please note client sample # 1009 and 1010 are for the construction elevator vs. the elevators inside the test stand. Hence their clearance criteria is -800  $\mu\text{g}/\text{ft}^2$

Robert F. Gargiulo

**Robert F. Gargiulo**

Chief, Safety, Quality and Management Systems Division

SSC Safety & Mission Assurance Directorate (QA-10)

Office: 228-688-3842

Cell: 228-344-8664

Fax: 228-688-3587

*MISSION FIRST, SAFETY ALWAYS!!!*

<lab rpt\_lead wipe\_3-6-15pm with highlight-comment.pdf>

**Edge, Jason F. (SSC-DA00)**

---

**From:** KIMBROUGH, KENNETH L. (SSC-DA20)  
**Sent:** Tuesday, April 21, 2015 1:40 PM  
**To:** (b)(6) (SSC-LMATA)[LMATA Government Services LLC]  
**Subject:** FW: Agreed to POST clean up list  
**Attachments:** FINAL POST Clean up Inspection Punchlist 03 13.pdf; ATT00001.htm

Ken L. Kimbrough  
Contracting Officer  
Office of Procurement  
Stennis Space Center  
228-688-1827

**From:** Sanders, Claude B. (SSC-RA10)  
**Sent:** Monday, March 16, 2015 6:30 AM  
**To:** KIMBROUGH, KENNETH L. (SSC-DA20); Edge, Jason F. (SSC-DA00)  
**Subject:** Fwd: Agreed to POST clean up list

Fyi

Sent from my iPhone

Begin forwarded message:

**From:** "Gargiulo, Robert F. (SSC-QA20)" <robert.f.gargiulo@nasa.gov>  
**Date:** March 13, 2015 at 3:48:44 PM CDT  
**To:** (b)(6)  
**Cc:** (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)] (b)(6) "Sanders, Claude B. (SSC-RA10)" <claudesanders@nasa.gov>, "Lorance, David K. (SSC-RA02)" <david.k.lorance@nasa.gov>, (b)(6)  
**Subject:** Agreed to POST clean up list (b)(6)

(b)(6)

Made the change. HPA and NASA are in agreement. Attached is the agreed to document saved in a .pdf format.

Let me know if you have any questions.

**Robert F. Gargiulo**

Chief, Test Operations Support Division  
SSC Safety & Mission Assurance Directorate (QA-20)  
Office: 228-688-3842  
Cell: 228-344-8664  
Fax: 228-688-3587

*MISSION FIRST, SAFETY ALWAYS!!!*

**From:** [redacted] (b)(6)  
**Sent:** Friday, March 13, 2015 3:35 PM  
**To:** Gargiulo, Robert F. (SSC-QA10)  
**Cc:** [redacted] (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)]; Sanders, Claude B. (SSC-RA10); Lorange, David K. (SSC-RA02); [redacted] (b)(6)  
[redacted] (b)(6)  
**Subject:** RE: Post Clean list for Robert

Robert,

There is only one duplication that is high lighted. We would like to delete the first one (line 8) and keep the one in red (line 10). With that exception we are in agreement.

Thank you

[redacted] (b)(6)

From: "Gargiulo, Robert F. (SSC-QA10)" <robert.f.gargiulo@nasa.gov>  
To: [redacted] (b)(6) "Sanders, Claude B. (SSC-RA10)" <claudes.b.sanders@nasa.gov>, [redacted] (b)(6)  
Cc: "Lorange, David K. (SSC-RA02)" <david.k.lorange@nasa.gov>, [redacted] (b)(6) [redacted] (b)(6) (SSC-JACOBS)[JACOBS TECHNOLOGY INC (SSC FOSC)] [redacted] (b)(6)  
Date: 03/13/2015 12:44 PM  
Subject: RE: Post Clean list for Robert

[redacted] (b)(6)

Attached is the list of post clean up actions. I believe you captured everything we agreed to...I did make some changes in red for clarification. I also added several which may or may not be in your list under a different description.

Please let me know if you disagree with any of the changes or additions. I want to ensure this is a mutually agreed to list. Below are my phone numbers...here is my personal cell also 228-424-6948

**Robert F. Gargiulo**

Chief, Test Operations Support Division  
SSC Safety & Mission Assurance Directorate (QA-20)  
Office: 228-688-3842  
Cell: 228-344-8664  
Fax: 228-688-3587

*MISSION FIRST, SAFETY ALWAYS!!!*

**From:** (b)(6)  
**Sent:** Thursday, March 12, 2015 5:43 PM  
**To:** Gargiulo, Robert F. (SSC-QA10); Sanders, Claude B. (SSC-RA10); (b)(6)  
**Subject:** Fw: Post Clean list for Robert

Robert / Brennan,  
Here are my notes from the the post clean up inspection of the B Stand from this AM  
Thanks

(b)(6)  
----- Forwarded by (b)(6) HPA/EGS/EMCORGROUP on 03/12/2015 05:35 PM -----

**From:** (b)(6)  
**To:** (b)(6)  
**Date:** 03/12/2015 02:58 PM  
**Subject:** Post Clean list for Robert

Here's just the list you wanted.  
next email is punchlist

Thank you,  
(b)(6)  
Regional Administrator  
Harry Pepper & Associates, Inc

(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.[attachment "POST' Clean up List for Robert 13 Mar 15.xlsx" deleted by (b)(6) HPA/EGS/EMCORGROUP]

## POST CLEAN UP INSPECTION

LEVEL:	AREA:	DESCRIPTION
20	N	GRIT UNDER SCAFFOLD SKID N & BASE OF SWING MOTOR ASSEMBLY
19	B1	GRIT ON CONTAINMENT SCAFFOLD.
19	B1	GRIT AT E SIDE CATWALK (AT BASE OF SOFTCORE SIDING)
19	B1	GRIT AT BRACKET @ SOFT CORE WALL ( TOP OF BOTTOM FLANGE)
19	B1	AT STAIRS GOING DOWN TO LEVEL 18
18	B1	GRIT ON TOP OF GUSSET AT CONTAINMENT
18	B1	GRIT ON TOP OF GUSSET (CENTER ON WEST SIDE OF SOFTCORE)
17	B1	GRIT-CATWALK SUPPORT AT SOFT CORE UNDER CATWALK AT CONTAINMENT
17	B1	GRIT ON TOP OF GUSSET (CENTER ON WEST SIDE OF SOFTCORE)
18	SOFTCORE	NOTHING
19	SOFTCORE	NOTHING
17/18	SOFTCORE	STAIRS BETWEEN 17 & 18- GRIT ON CONDUIT (EAST SIDE OF SOFTCORE)
17	SOFTCORE	ELECT/MECH CHASE NORTH OF EAST ELEVATOR- CLEAN
17	SOFTCORE	CHASE C1702 - GRIT ON WALK
17	SOFTCORE	CLEAN BASE OF CENTER COLUMN UNDER ELECTRICAL PANEL #4
16	SOFTCORE	CLEAN CONTROL CHASE C1602, 1601 & 1605
16	SOFTCORE	VACUUM LOOSE DUST AT TOP OF BEAMS GENERAL N & S OF STAIRS
15	SOFTCORE	VACUUM LOOSE DUST AT TOP OF BEAMS GENERAL N & S OF STAIRS
15	SOFTCORE	CLEAN CHASE C1502, 1504, 1505, 1501
14	SOFTCORE	CLEAN CHASE C1401, 1402, 1404, 1405
14	SOFTCORE	CLEAN TOP OF BEAMS GENERAL N & S OF STAIRS
14	SOFTCORE	CLEAN TOP OF BEAMS (BOTTOM FLANGE)
14	SOFTCORE	CLEAN TOP OF BOTTOM FLANGE BEAMS FLOOR OF 14 SOUTH SIDE
13	SOFTCORE	VACUUM LOOSE DUST ON TOP OF BEAMS UNDER GRATING

## POST CLEAN UP INSPECTION

LEVEL:	AREA:	DESCRIPTION
13	SOFTCORE	DETAIL CLEAN IN BINS IN CAGE (C-1306 AND C-1307)
13	SOFTCORE	CLEAN UNISTRUT N OF STAIRS BELOW FLOOR
12	SOFTCORE	CLEAN CHASE C1202
12	SOFTCORE	DETAIL CLEAN CONTRACTOR STORAGE OPEN BINS & HORIZONTAL SURFACES
12	SOFTCORE	CLEAN TOP OF ELEVATOR CABS (COORDINATE LOCKOUT W/ NASA ONE AT A TIME)
11	SOFTCORE	CLEAN TOP OF UNISTRUT IN FRONT OF EAST ELEVATOR
11	SOFTCORE	CLEAN TOP OF BOTTOM FLANGE OF BEAM WEST OF STAIRS
11	SOFTCORE	CLEAN TOP OF HVAC DUCT
11	EXTERIOR	NOTHING - SOUTH SIDE
10	CENTER	REPAIR TAPE & WIPE EXTERIOR OF CONTAINMENT
9	EXTERIOR	NOTHING - SOUTH SIDE AND BATTLESHIP
8	EXTERIOR	NOTHING - SOUTH SIDE AND BATTLESHIP
8.5	B2	NOTHING
7	B2	SOUTHEAST CORNER CLEAN GRIT ON TOP OF BEAM
7	B2	CLEAN GRIT BOX BEAM WEST END-GRIT
6.5	B2	NORTHEAST EDGE OF B2 (UNDER "STAIRS TO NOWHERE")
5	B2-CENTER	CLEAN TOP OF DOOR (SOUTHSIDE)
4	B2-CENTER	CLEAN TOP OF DOOR (SOUTHSIDE)
4/3	B2-CENTER	CLEAN TOP OF 2 BEAMS (SOUTHSIDE)
4	B2-CENTER	CLEAN O/S LIGHT & BRACKET (SOUTHSIDE)
3	B2-CENTER	CLEAN O/S LIGHT & BRACKET (SOUTHSIDE)
2.5	B2-CENTER	CLEAN TOP OF BOTTOM FLANGE AT STAIRS
1	B2-CENTER	CLEAN TOP OF CANOPY OVER SOUTH ENTERANCE
1	B2-CENTER	CLEAN SCAFFOLD PLANK

**Edge, Jason F. (SSC-DA00)**

---

**From:** KIMBROUGH, KENNETH L. (SSC-DA20)  
**Sent:** Tuesday, April 21, 2015 1:30 PM  
**To:** (b)(6) (SSC-LMATA)[LMATA Government Services LLC]  
**Subject:** FW: B-Stand Clearance and Surveillance Sample results

Ken L. Kimbrough  
Contracting Officer  
Office of Procurement  
Stennis Space Center  
228-688-1827

**From:** Huk, James D. (SSC-DA00)  
**Sent:** Tuesday, March 10, 2015 1:55 PM  
**To:** Gargiulo, Robert F. (SSC-QA10); Edge, Jason F. (SSC-DA00); Harris, Robert S. (SSC-DA00)  
**Cc:** KIMBROUGH, KENNETH L. (SSC-DA20); Sanders, Claude B. (SSC-RA10); Lorange, David K. (SSC-RA02)  
**Subject:** RE: B-Stand Clearance and Surveillance Sample results

Robert,

Just getting a moment to respond to our conversation this morning in the hallway. While I realize we have a meeting this afternoon I do want to say that the attached correspondence is very troublesome in the fact that I believe we have set the stage for what could be a very costly claim against NASA due to no boundaries being set. Harry Pepper has already come on line and told us they are cleaning well beyond anything they could have possibly contaminated. Additionally, they have asked on repeated occasions for our baseline of which they have yet to receive. Additionally, the only individuals who should be giving direction to Harry Pepper is the Contracting Officer (Jason Edge/Ken Kimbrough). We can discuss in greater detail this afternoon.

“All The Best”

Jim

James D. Huk II  
Deputy, Procurement Officer  
NASA Office of Procurement/NASA Mail Code DA00  
Stennis Space Center, MS 39529-6000  
Phone: (228) 688-1045 Fax: (228) 688-1141  
e-mail: [James.D.Huk@nasa.gov](mailto:James.D.Huk@nasa.gov)

Providing excellent customer support is important to us. Please let us know how we are doing, go to <http://sscweb.ssc.nasa.gov/procurement/feedback.asp> and let us know how we can improve. Also tell us when we do something great so we can continue.

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**Robert F. Gargiulo**  
Chief, Safety, Quality and Management Systems Division

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Fax: 228-688-3587  
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Sent from Jason iPad

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Ken Kimbrough, Jason Edge et al,

See the attached verification wipe samples for the Soft Core for Levels 11 through Level 17. Several levels/areas did not pass the clearance criteria of 400  $\mu\text{g}/\text{ft}^2$  – General interior work areas (highlighted in the attached).

In addition to the areas noted in the email below, Harry Pepper and Associates will need to re-clean the following areas of the softcore.

Level 12  
Level 14  
Level 15  
Level 16  
Level 17

**Robert F. Gargiulo**  
Chief, Safety, Quality and Management Systems Division  
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Cell: 228-344-8664  
Fax: 228-688-3587  
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**Sent:** Monday, March 09, 2015 9:41 AM

**To:** (b)(6) Edge, Jason F. (SSC-DA00); Sanders, Claude B. (SSC-RA10); KIMBROUGH, KENNETH L. (SSC-DA20); Ed Jacobson  
**Cc:** Lorance, David K. (SSC-RA02); (b)(6) [SSC-JACOBS][JACOBS TECHNOLOGY INC (SSC FOSC)]; Wright, Katrina L. (SSC-RA02); SOUTHERS, ROBERT L. (SSC-QA10); Baldwin, Arnold B. (JSC-NT411); (b)(6)  
(b)(6)  
**Subject:** B-Stand Clearance and Surveillance Sample results

Ken Kimbrough, Jason Edge et al

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SOFT CORE INTERIOR	-400 $\mu\text{g}/\text{ft}^2$ – General interior work areas
EXTERIOR PLATFORM AREAS	-800 $\mu\text{g}/\text{ft}^2$ – Exterior concrete and other exterior work surfaces

These include:

- South side of Level 8 (outside)
- South Side of Level 9 (outside)
- North side of Level 8.5 (outside)
- South Side of Level 20 (outside)
- Interior of Level 18 North and East sides

Please note client sample # 1009 and 1010 are for the construction elevator vs. the elevators inside the test stand. Hence their clearance criteria is -800  $\mu\text{g}/\text{ft}^2$

Robert F. Gargiulo

**Robert F. Gargiulo**

Chief, Safety, Quality and Management Systems Division  
SSC Safety & Mission Assurance Directorate (QA-10)  
Office: 228-688-3842  
Cell: 228-344-8664  
Fax: 228-688-3587

*MISSION FIRST, SAFETY ALWAYS!!!*

<lab rpt\_lead wipe\_3-6-15pm with highlight-comment.pdf>