



**Department of Energy**  
Carlsbad Field Office  
P. O. Box 3090  
Carlsbad, New Mexico 88221  
**JUN 1 6 2011**

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**JUN 2011**

Mr. John Kieling, Acting Chief  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 E. Rodeo Park Dr. Bldg. 1  
Santa Fe, New Mexico 87505-6303

**Subject: Certification by a New Mexico Registered Professional Engineer in Support of TRUPACT-III**

**Reference: DOE Letter CBFO:ORC:GTB:MDA:10-1623:UFC 5487.00 from Dr. D.C. Moody and Mr. M. F. Sharif to Mr. James Bearzi, dated September 16, 2010, subject: Notification of Planned Change to the Permitted Facility to Support TRUPACT-III**

**NMED Hazardous Waste Bureau Letter from Mr. James Bearzi, to Mr. E. Ziemianski and Mr. M. F. Sharif dated January 21, 2011, subject: NMED Inspection of Changes to Permitted Facility to Support TRUPACT-III Activities**

Dear Mr. Kieling:

The purpose of this letter is to transmit to your office a New Mexico registered Professional Engineer (PE) certification that the WIPP facility has been modified in compliance with the Hazardous Waste Facility Permit by completing modifications / installation of the following items:

- Remove concrete pad
- Install hood ventilation system
- Install bolting robot
- Install bolt and cover/lid rack
- Install pallet dispenser
- Install payload transfer station
- Install volatile organic compound monitoring system
- Perform electrical work in Room 108

In the above referenced letter, the Hazardous Waste Bureau was notified of planned changes to support TRUPACT-III. We have enclosed a letter from a New Mexico registered PE certifying that the facility has been modified to incorporate these changes into WIPP waste handling activities. The enclosed PE certification, along with our signatures below, constitute compliance with Waste Isolation Pilot Plant Facility Permit, Part 1, *General Permit Conditions*, Section 1.7.11.2.i.



Mr. Kieling

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The two items noted in the September 16, 2010 letter from DOE to NMED: Install a new pallet stand in the contact-handled waste bay (CH Bay) and Install an engineered insert to level the floor in the Conveyance Loading Room, were previously inspected by NMED after receipt of a PE certification letter. The second letter referenced notes these two items were constructed in compliance with the requirements of the Permit.

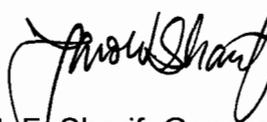
We certify under penalty of law that this document and all enclosures were prepared under our direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on our inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of our knowledge and belief, true, accurate and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Please feel free to contact George T. Basabilvazo at (575) 234-7488, if you have any questions regarding this documentation transmittal.

Sincerely,



Edward Ziemianski, Acting Manager  
Carlsbad Field Office



M. F. Sharif, General Manager  
Washington TRU Solutions LLC

Enclosure

cc: w/enclosure

J. Davis, NMED \* ED

T. Hall, NMED ED

T. Kesterson, NMED ED

CBFO M&RC

\*ED denotes electronic distribution



June 16, 2011

Mr. Curtis Chester  
Deputy Project Manager, TRUPACT III  
Washington TRU Solutions, LLC  
PO Box 2078  
Carlsbad, NM 88221

Subject: Submittal of a Professional Engineering Certification of TRUPACT III  
Project Facility Modifications and Installations, including the Following  
Projects:

<b>Remove concrete pad</b>	<b>Install VOC monitoring system</b>
<b>Install hood ventilation system</b>	<b>Perform electrical work in Room 108</b>
<b>Install bolting robot</b>	<b>Install bolt and cover / lid rack</b>
<b>Install pallet dispenser</b>	<b>Install payload transfer station</b>

Dear Mr. Chester:

This letter certifies that the referenced projects were constructed and installed in a manner that will allow waste handling and storage to occur, in compliance with the WIPP Hazardous Waste Facility Permit, EPA I.D. Number NM4890139088.

It is required that a Professional Engineer, registered in the State of New Mexico, perform the necessary reviews of the CH Waste Handling equipment to ensure that they are installed / modified, in accordance with the provisions of the WIPP Hazardous Waste Facility Permit (HWFP). The following describes the process and conclusions of the review.

#### **Description of the Review Process**

The following items were addressed for the verification of compliance:

- Obtained and reviewed documents identified in Table 1 of this document, from the WIPP files for the projects addressed in this verification process.
- Where applicable, the operating sequences of the equipment were observed, in the operational mode of the systems.
- A detailed review of the relevant documentation was performed, including the following:
  - The Engineering Change Orders (ECOs) were reviewed to ensure that the requisite signature blocks were completed.
  - A review of the Work Orders (WO), associated with each ECO, was made to ascertain that the work items cited in the ECO were completed and the ECO verified block was signed and dated.

**Description of the Review Process (Cont'd.)**

- It was verified that the site modifications and equipment were in compliance with the applicable sections of the HWFP.
- Verified that the drawings and site information and modifications were in compliance with the applicable sections of the HWFP.
- It was verified that no inconsistencies existed in the modified portions of the facility, as constructed, as it related to the applicable sections of the HWFP.
- The results of the review for certification are summarized in Table 1.

**Summary of Findings**

- Construction
  - Inspected the construction performed and ascertained its performance, addressing life safety as well as conformance to the approved design documents.
- Commissioning and Testing
  - Observed operation of equipment systems, during evaluation and tryout activities.
  - Checked off that every item cited in the ECO was installed per the ECO, the WCN(s), and drawing(s) associated with the items of equipment or system.
- Inspection
  - The Cognizant Engineers and/or the Responsible Engineers were contacted, to ensure that the understanding of the facility modifications was gained, prior to the P.E. inspection. Their signatures were prima fascia evidence of their own certification of the processes.
  - Installed facilities were then inspected to ensure conformance to the Permit and the stated design.

**Certification:**

I certify, under penalty of law, that this verification was prepared by me for Washington TRU Solutions. Based upon my personal observations and physical inspections, the information contained in this certification is, to the best of my knowledge and belief, true, accurate and complete.

**URS Corporation  
10500 Richmond Avenue  
Houston, TX 77042**



Philip E. Mesenbrink, P.E.  
Supervising Discipline Engineer  
New Mexico Certificate No. 20234, Expires 12/31/2012



**Table 1**

Project Description	ECO	Work Order
	No.	No.
<b>Perform Electrical Work in Room 108</b>	12622	1006635 1011920
<b>Remove Concrete Pad</b>	12710	801711
<b>Install Hood Ventilation System</b>		
Vent Hood Procurement	12634	1009943
Fan	12635	1009310
Install Vent Hood	12635	1009942
Roughing HEPA Filter	12635	1009943
Pressure Transmitters	12635	1009944
Pressure Differential Transmitters	12635	1009944
<b>Install Bolting Robot</b>		
Bolting/Detensioning Robot	12680	1009743
Robot End Effector	12680	1009743
Monorail Hoist	12680	1011053
<b>Install Bolt and Cover Lid Rack</b>	12680	1009743
<b>Install Pallet Dispenser</b>	12722	1011526
<b>Install VOC Monitoring System</b>	12759	1011920
<b>Install Payload Transfer Station</b>	12777	1011519

**Acknowledgement of Delivery**

JUN 2011

I Steve Holmes acknowledge that the Permittees hand delivered the Registered Professional Engineers Certification of Construction for Facility Modifications Associated with TRUPACT-III Waste Handling, dated June 16, 2011.

Delivered by:

Print Name Rick Chavez Signature [Signature] Date 6/16/11

Received by:

Print Name Steve Holmes Signature [Signature] Date 06/16/11