

## SIGNATURE PAGE FOR NEPA DOCUMENT

The U.S. Department of Energy/NNSA Production Office (DOE/NPO) has requested that NEPA documentation be submitted via E-mail. To maintain proper hard copy documentation, a signature sheet for the proper authorities to sign their names will be attached to the beginning of each NEPA document.

**PROJECT NAME: Flexible Production Support Facility (FPSF) – Amendment 01**

**PROJECT NUMBER: 23-011**

Zelda Martinez                      05/22/2023      OUO N/A    U.C.N.I. N/A  
Zelda Martinez                      Date  
(Derivative Classifier)  
Document should be forwarded to J.D. Booker, ECD, JCDC S3.141.

**CHRISTOPHER PUROFF (Affiliate)** Digitally signed by CHRISTOPHER PUROFF (Affiliate)  
Date: 2023.06.26 12:44:26 -05'00'

J.D. Booker                      Date  
Document should be forwarded to Jeff Flowers, ECD, JCDC S3.139.

**Jeff R. Flowers** Digitally signed by Jeff R. Flowers  
Date: 2023.06.26 14:22:27 -05'00'

J. R. Flowers                      Date  
Document should be returned to Lucy Holt, ECD, JCDC S3.322.

### Project Consultants:

D. Taylor, Pantex Infrastructure	C. Puroff, ECD
R. Roulston, ECD	M. Schoenhals, ECD
P. Irvin, ECD	V. Litwinick, ECD
I. Hughes, Const. Mgmt.	K. Paul, ECD
L. Quebedeaux, WOD	S. Wilson, RSD
A. Herrmann, ECD	J. Fox, RSD
E. Lee, S&IH	T. Ellis, NES
B. Hildinger, S&IHD	M. Escamilla, Transportation
M. Bijelic, SA / AB	K. Baird, ECD
K. Gilbert, ECD	Z. Hendrix, Mech./Process Eng.
M. Monroe, Env. Projects	A. Barley, ECD
R. Coronado, WOD	S. Wester, Electric/Mission Eng.
T. Parker, ECD	M. Jones, Env., Projects
A. Brooks Env. Projects	

**Distribution:**  
David Taylor  
Plant Legal  
ECD Records

**Tracking Numbers:**  
MA-23-MAIL-86827-4325-MA

**File Name:**  
FPSF – Amend. 01

This document has been reviewed and confirmed to be UNCLASSIFIED and contains no UCNI. This does not constitute clearance for Public Release.

Name: Zelda Martinez  
Date: 05/22/2023

## Holt, Maria L [CONTR]

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**From:** Holt, Maria L [CONTR]  
**Sent:** Thursday, June 29, 2023 2:44 PM  
**To:** Taylor, David [CONTR]  
**Subject:** Approval: NEPA Flexible Production Support Facility (FPSF) – Amendment 01  
**Attachments:** PX-4660 FPSF - Amend. 01.pdf

Good afternoon David,

The Standard NEPA Amendment Review Form was signed and approved by Jeff Flowers, Manager of the Environmental Compliance Department, on June 26, 2023 and by Corrie Baker, Environmental Compliance Specialist, on June 29, 2023. Attached is the electronic copy of the PX-4660. You will receive a separate email containing all of the NEPA documents shortly. Prior to start up, please remember to adhere to all of the requirements presented in section C of the previously approved PX-2114. If the project's scope of work changes, contact me immediately to determine if another amendment is necessary.

If you have any questions, please let me know!

v/r



M. "Lucy" Holt  
Environmental Compliance Dept.  
[maria.holt@pxy12.doe.gov](mailto:maria.holt@pxy12.doe.gov)  
(806) 573-7406 Office  
(806) 379-4198 Pager

**National Environmental Policy Act (NEPA) Review Amendment Request**

(Reference WI 02.01.04.02.01)

Amendment No: 23-011

Date: June 26, 2023

- Internal – file
- Standard - (Checking this box means it needs DOE’s approval.)

Amendment Title: Flexible Production Support Facility (FPSF) – Amendment 01

Prepared by: **Maria L. 'Lucy' Holt**

Digitally signed by Maria L. 'Lucy' Holt  
Date: 2023.06.26 09:09:08 -05'00'

(NEPA Staff)

Lucy Holt

Reviewed by: **CHRISTOPHER PUROFF (Affiliate)**

Digitally signed by CHRISTOPHER PUROFF (Affiliate)  
Date: 2023.06.26 12:46:57 -05'00'

(NEPA Compliance Contract)

J.D. Booker

Project Contact: **David A Taylor**

Digitally signed by David A Taylor  
Date: 2023.06.26 10:21:41 -05'00'

David Taylor

**ORIGINAL NEPA DETERMINATION:**

Project/Activity Title: Flexible Production Support Facility (FPSF)	Original Project/ Activity Number: EXP-20-003-C	Original Document Approval Date: March 12, 2020
Department/Division: Facilities & Operations Capabilities/Pantex Projects Mgmt.	Signatures of Project Contact: / NEPA Compliance Contact:  <i>Marvin Moreland / Zelda Martinez</i>	

**A. DESCRIPTION OF AMENDED ACTION:**

The original project NEPA review covered the design of a flexible office space to accommodate company growth and a common building design, construction, and occupancy of a modular facility using a commercial-like graded approach, which can be repeated across the weapons complex. The project consisted of two phases: 1) geotechnical drilling and connection of external utilities and services to the new buildings; and 2) the construction and occupancy of a “flexible” building, 12-150, the Flexible Production Support Facility (FPSF).

This amendment includes the activities necessary to add a parking area south of the building consisting of crushed asphalt and 100’ x 320’ in size (Reference Figure 1).

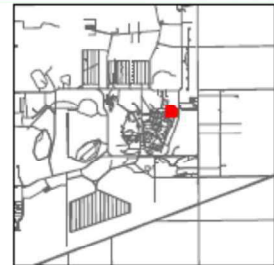
**National Environmental Policy Act (NEPA) Review Amendment Request**

(Reference WI 02.01.04.02.01)



**12-150 Parking Area**

Legend	
	Old Parking Lot
	New Parking Lot
	One Way Road Path



**Figure 1: Bldg. 12-150 FPSF Parking Addition**

**National Environmental Policy Act (NEPA) Review Amendment Request**

(Reference WI 02.01.04.02.01)

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**B. ADDITIONAL ENVIRONMENTAL CONSIDERATIONS RELATED TO AMENDMENT:**

This project continues to be Greater than 1 Acre but less than 5 Acres, however, CNS is now the primary operator at the site. A SWPPP has been developed, a small construction site notice has been posted, and ECD personnel are now completing the weekly storm water inspections until final stabilization has been established. ECD personnel will continue oversight and management of these requirements until the new contractor begins work on the parking addition.

Contractors must submit a Contractor Waste Management Plan (CWMP) to the Waste Operations Department for review prior to beginning the project. Contact the Waste Operations Department for any questions regarding waste.

Although ground disturbance would not occur within a ¼ mile of a playa, cultural artifacts have previously been found in the potential disturbed area. If any evidence of an archeological site (artifacts, bones, etc.) is discovered during ground disturbing activities, work must stop and the Environmental Compliance Department (ECD) would be notified immediately.

Because this project involves outdoor work, there is a possibility for the discovery of nests of protected migratory birds. At Pantex, nests are commonly found on buildings, fences, and other structures, as well as in more traditional circumstances such as in trees, shrubs, on the ground in gravel areas, and between grass clumps. The ECD Wildlife Biologist shall be contacted if the nest of any bird were encountered prior to or during the proposed project. With the exception of feral rock pigeons, house sparrows, Eurasian collared doves, and European starlings, all birds and their nests are protected by the Migratory Bird Treaty Act and/or state regulations. Nests of protected species cannot be disturbed. Refer to WI 02.01.04.02.21. Scheduling of projects for outside the March – August nesting season would minimize chances for encountering nests of protected migratory birds.

The ECD Wildlife Biologist shall be contacted if a Texas Horned Lizard is encountered in a situation where/when an immediate work action is placing the lizard in harm's way.

A Silica Control Plan must be submitted to Industrial Hygiene (Liz Lee) for review and approval prior to any concrete disturbance.

**C. LIST COMPLIANCE ACTIONS THAT WERE IDENTIFIED IN THE ORIGINAL NEPA DOCUMENT THAT HAVE NOT YET BEEN COMPLETED:**

**(Note: ECD personnel now have oversight of these requirements. Please see update in section B.)** The subcontractor will prepare a SWPPP using TMP-0063 as a template after award of contract. The subcontractor will submit to ECD (Pepper Irvin) for review and approval. A Small Construction site notice will be posted at Building 16-12 at least two days prior to commencing construction activities for the duration of the project.

**(Note: ECD personnel now have oversight of these requirements. Please see update in section B.)** Storm water inspections will be required weekly using PX-5736 and submitted to ECD (Pepper Irvin). Inspections must be made the same day each week for the duration of the project.

**National Environmental Policy Act (NEPA) Review Amendment Request**

(Reference WI 02.01.04.02.01)

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The Project Manager will coordinate with Monty Schoenhals (806-573-5268) prior to re-seeding for further instructions along with a field inspection after project completion to confirm re-seeding was accomplished.

Project personnel will contact the SWMU Coordinators upon completion of all soil-disturbing activities associated with the project to document the disposition of soil disturbed and to verify all associated work with the SWMU permit is complete, with the purpose of closing and archiving the SWMU permit.

**All other aspects of the work are as stated in the original documentation.**

If changes are made to the scope of action so that it is no longer bound by the action described in the original documentation, as amended, or is expanded to encompass other actions, NEPA requirements for the action will need to be reassessed at that time and further NEPA analysis may be required.

**D. ORIGINAL DETERMINATION BY DOE/NNSA OR INTERNAL NEPA COMPLIANCE:**

Pantex recommended categorical exclusion: 10 CFR 1021, Subpart D, Bl.15 Support buildings, *"Siting, construction or modification, and operation of support buildings and support structures (including, but not limited to, trailers, and prefabricated and modular buildings) within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible)."*

Signature: Jeff R. Flowers  
Title: NEPA Compliance Contact, Pantex Plant  
Date: \_\_\_\_\_

Digitally signed by Jeff R.  
Flowers  
Date: 2023.06.26 14:20:30  
-05'00'

## APPROVAL SLIP FOR OFFICIAL CORRESPONDENCE

CCN or URM/E-STARS/PER Number: MA-23-MAIL-86827-4325-MA	In Response to: N/A	Due Date to Org.: N/A
Subject: Flexible Production Support Facility (FPSF) – Amendment 01 23-011		Deliverable Due Date: N/A
Attachments/Enclosures: PX-4660; PX-4762		
<b>THIS CORRESPONDENCE, INCLUDING ENCLOSURES AND ATTACHMENTS, HAS BEEN REVIEWED BY A DC/UCNI RO AND HAS BEEN DETERMINED TO BE <u>UNCLASSIFIED</u>. THIS REVIEW DOES NOT CONSTITUTE CLEARANCE FOR PUBLIC RELEASE.</b>		
Derivative Classifier (Type Name) Zelda Martinez	Signature <b>Zelda Martinez</b> <small>Digitally signed by Zelda Martinez Date: 2023.06.26 09:13:30 -05'00'</small>	Date
<b>OTHER AFFECTED ORGANIZATIONS</b>		
Are all affected CNS organizations aware of this correspondence and in agreement? Yes		
Are affected counterparts at NNSA/NPO aware of this correspondence and in agreement? Yes		
<b>REQUIRED REVIEWS (TYPE NAME AND SIGN)</b>		
Author Name (Print or Type) Lucy Holt	Phone No. 806-573-6049	Signature <b>Maria L. 'Lucy' Holt</b> <small>Digitally signed by Maria L. 'Lucy' Holt Date: 2023.06.26 09:46:16 -05'00'</small>
Admin Name (Print or Type)	Phone No.	Signature Date
<b>OTHER REVIEWS AS APPROPRIATE</b>		
Print or Type Name and Org. Name Lucy Holt/ECD	Signature <b>Maria L. 'Lucy' Holt</b> <small>Digitally signed by Maria L. 'Lucy' Holt Date: 2023.06.26 09:47:04 -05'00'</small>	Date
Print or Type Name and Org. Name David Taylor/Pantex Infrastructure	Signature <b>David A Taylor</b> <small>Digitally signed by David A Taylor Date: 2023.06.26 09:57:42 -05'00'</small>	Date
Print or Type Name and Org. Name J.D. Booker/ECD	Signature <b>CHRISTOPHER PUROFF (Affiliate)</b> <small>Digitally signed by CHRISTOPHER PUROFF (Affiliate) Date: 2023.06.26 12:48:46 -05'00'</small>	Date
Print or Type Name and Org. Name Jeff Flowers/ECD	Signature <b>Jeff R. Flowers</b> <small>Digitally signed by Jeff R. Flowers Date: 2023.06.26 14:21:43 -05'00'</small>	Date
Print or Type Name and Org. Name	Signature	Date
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Print or Type Name and Org. Name	Signature	Date

**DOUBLE-CHECK THE QUALITY OF YOUR DOCUMENT BEFORE SUBMITTAL!**

REVIEWER COMMENT CONSOLIDATION

Project Name: Flexible Production Support Facility (FPSF) – Amendment 01	Project Number: 23-011
Project Contact: David Taylor	NEPA Preparer: Lucy Holt

<b>1. Non-rad air emissions</b>	<b>Bob Roulston, Environmental Compliance Department</b>
<p><b>From:</b> Roulston, Bob [CONTR]  <b>Sent:</b> Monday, May 22, 2023 10:41 AM  <b>To:</b> Holt, Maria L [CONTR]  <b>Subject:</b> RE: Review: NEPA FPSF - Amend. 01</p> <p>Construction will also require 4 walkways/paved surfaces between the two areas, and construction of a delivery pad for the FPSF.</p> <p>This would be a particular concern, as the walkway will be in the SMWU extent area, per description in the original, and we DO NOT want people walking through the dirt there.</p> <p>Regarding Section 1, Non-Rad Air: I agree with all markings on the PX-4762. There are no new air regulatory concerns for the construction.</p> <p>Bob</p>	

<b>2. Storm Water/Surface Water</b>	<b>Pepper Irvin, Environmental Compliance Department Ian Hughes, Facility Construction Management</b>
<p><b>1 –</b>  <b>From:</b> Irvin, Pepper [CONTR]  <b>Sent:</b> Monday, May 22, 2023 2:34 PM  <b>To:</b> Holt, Maria L [CONTR]; Taylor, David [CONTR]  <b>Cc:</b> Gilbert, Jon K [CONTR]; Moreland, Marvin [CONTR]  <b>Subject:</b> NEPA Review- FPSF-Parking Lot-Amend. 01; 23-011</p> <p>Lucy,</p> <p>I have reviewed the above NEPA for Environmental Compliance Department.</p> <p>My comments are as follows (changes are in <b>bold</b>):</p> <p><b><u>2.0 Surface Water/Storm Water:</u></b></p> <p>The PX-4762 Environmental Compliance Worksheets: No Comment</p> <p>The PX-4660 National Environmental Policy Act (NEPA) Review Amendment Request: No Comment</p> <p><b><u>28.0 Pollution Prevention Initiatives:</u></b></p> <p>The PX-4762 Environmental Compliance Worksheets: No Comment</p>	



The PX-4660 National Environmental Policy Act (NEPA) Review Amendment Request: No Comment

**Pepper Irvin**

**2 –**  
**From:** Hughes, Ian [CONTR]  
**Sent:** Wednesday, June 7, 2023 1:56 PM  
**To:** Irvin, Pepper [CONTR]; Holt, Maria L [CONTR]; Taylor, David [CONTR]; Moreland, Marvin [CONTR]  
**Cc:** Gilbert, Jon K [CONTR]  
**Subject:** RE: Review: NEPA FPSF - Amend. 01

Great thanks – PX-4762 section 2 is ok  
 Ian

<b>3. Solid waste</b>	<b>Linda Quebedeaux, Waste Operations</b>
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**From:** Quebedeaux, Linda C [CONTR]  
**Sent:** Tuesday, May 23, 2023 8:07 AM  
**To:** Holt, Maria L [CONTR]  
**Subject:** RE: Review: NEPA FPSF - Amend. 01

Lucy

Question 3.0 is incorrectly marked No. Please change the answer to Yes.  
 Question 4.0 is correctly marked No.  
 Question 5.0a is correctly marked No.  
 Question 6.0 is correctly marked No.  
 Question 7.0e is correctly marked N/A.

Contractors must submit a Contractor Waste Management Plan (CWMP) to the Waste Operations Department for review prior to beginning the project. Contact the Waste Operations Department for any questions regarding waste.

Thanks!

<b>4. Radioactive waste</b>	<b>Linda Quebedeaux, Waste Operations</b>
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See Item #3

<b>5. Hazardous Waste/Lead/Compliance/Permits</b>	<b>Linda Quebedeaux, Waste Operations</b> <b>Elizabeth Lee, Safety &amp; Industrial Hygiene</b> <b>Alex Herrmann, Environmental Compliance Department</b>
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**1 –** See Item #3

**2 –**  
**From:** Lee, Elizabeth [CONTR]  
**Sent:** Monday, June 19, 2023 10:40 AM  
**To:** Holt, Maria L [CONTR]  
**Subject:** RE: Peer Review: NEPA FPSF - Amend. 01

Yes. We need a silica control plan.

**From:** Holt, Maria L [CONTR] <maria.holt@pxy12.doe.gov>  
**Sent:** Monday, June 19, 2023 10:20 AM  
**To:** Lee, Elizabeth [CONTR] <Mary.Lee@pxy12.doe.gov>  
**Subject:** RE: Peer Review: NEPA FPSF - Amend. 01

So a silica plan is required or no? I'm sorry! Just trying to be sure to mark it correctly and provide the proper requirements J

**From:** Lee, Elizabeth [CONTR] <Mary.Lee@pxy12.doe.gov>  
**Sent:** Wednesday, June 14, 2023 9:41 AM  
**To:** Holt, Maria L [CONTR] <maria.holt@pxy12.doe.gov>  
**Subject:** RE: Peer Review: NEPA FPSF - Amend. 01

I think the reason 28b is no, is because some of what they could be doing is not listed in table 1, but it is still silica work. 28c is no because we haven't seen a silica control plan.

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**From:** Lee, Elizabeth [CONTR]  
**Sent:** Friday, May 26, 2023 8:11 AM  
**To:** Holt, Maria L [CONTR]  
**Subject:** RE: Review: NEPA FPSF - Amend. 01

Lucy,  
 I approve sections 5b, 7a-b, 16, and 28 as written.  
 Thanks!  
 Elizabeth

**3 –**  
**From:** Herrmann, Alex [CONTR]  
**Sent:** Tuesday, May 23, 2023 1:19 PM  
**To:** Holt, Maria L [CONTR]  
**Subject:** RE: Review: NEPA FPSF - Amend. 01

Lucy,  
 No changes are necessary for this amendment with respect to the original NEPA review.  
 Questions **5c/5d/5e** are appropriately marked '**no**' on the PX-4762 and are appropriate to this amendment.  
 Please sign me off.  
 Thanks,  
 Alex

<b>6. Mixed waste (rad &amp; haz)</b>	<b>Linda Quebedeaux, Waste Operations</b>
See Item #3	

<b>7. Asbestos/asbestos waste</b>	<b>Elizabeth Lee, Safety &amp; Industrial Hygiene</b> <b>Tim Parker, Environmental Compliance Department</b> <b>Linda Quebedeaux, Waste Operations</b>
<p><b>1 – See Item #5(2)</b></p> <p><b>2 –</b></p> <p><b>From:</b> Parker, Timothy [CONTR]  <b>Sent:</b> Tuesday, June 6, 2023 9:46 AM  <b>To:</b> Holt, Maria L [CONTR]  <b>Subject:</b> RE: Review: NEPA FPSF - Amend. 01</p> <p>Lucy,</p> <p>7C &amp; D are correct. There should be no friable Regulated Asbestos Containing material encountered or any structures demolished in this project therefore no Asbestos notification is needed.</p> <p>However, if the project change to involve demolition of a building or removal of friable Regulated Asbestos Containing Material a Texas Department of State Health Services (TDSHS) Demolition/Renovation Notification form must be prepared by the Contractor at least 30 days prior to the start of any abatement activities, for review and concurrence by the Environmental Compliance Department (ECD). After concurrence, submittal of the notification form to TDSHS must occur at least 20 business days prior to the certified start date of abatement.</p> <p>The TDSHS Notification Form for any demolition activities should be prepared per requirements of Division 1 Special Provision 1500: "Health and Safety".</p> <p>The regulatory requirement states that the notification must be submitted (i.e., either federal postmark or electronic submittal into a TDSHS server) no later than 10 days prior to the start of action. The ECD must have time to review the notification prior to the 10 days. If it is approved, the Contractor would be notified and they can either submit electronically to TDSHS (preferred) or submit a signed copy for ECD to submit to TDSHS.</p> <p><b>3 – See Item #3</b></p>	
<b>8. Chem storage/use &amp; toxic chem. exposure</b>	<b>Brian Hildinger, Safety &amp; Industrial Hygiene</b> <b>Miro Bijelic, Safety Analysis / AB</b>
<p><b>1 –</b></p> <p><b>From:</b> Bowman, Angie [CONTR]  <b>Sent:</b> Monday, May 22, 2023 10:37 AM  <b>To:</b> Holt, Maria L [CONTR]  <b>Cc:</b> Hildinger, Brian [CONTR]  <b>Subject:</b> RE: Review: NEPA FPSF - Amend. 01</p> <p>Lucy, (I hope this is right). I know we need to get the SDS for the crushed asphalt or any other chemical they will be using.</p> <p><b>PX-4762:</b> The PX-4762 should be marked "NO" under Section 8.0 "Chemical Storage/Use and Chemical Exposures". For the NEPA amendment titled <b>Flexible Production Support Facility (FPSF)– Amendment 01</b>, the Safety Data Sheets (SDS/MSDS) for the chemicals used by the contractor/s must be submitted to and reviewed by Hazard Communication before project commences.</p> <p><b>PX-4660:</b> No new requirements result from this amendment. Same requirements from previous NEPA still apply.</p>	

Project personnel will submit Safety Data Sheets (SDS/MSDS) for all the chemicals to be used by the contractor by email to: [HAZCOM@cns.doe.gov](mailto:HAZCOM@cns.doe.gov). The submittal must be sent to and reviewed by Hazard Communication before project commences. The NEPA project/activity title and number will be required in the email.

Thank you,

Angie

2 –  
**From:** Bijelic, Miro [CONTR]  
**Sent:** Monday, May 22, 2023 11:15 AM  
**To:** Holt, Maria L [CONTR]  
**Subject:** RE: Review: NEPA FPSF - Amend. 01

Lucy,

I concur with the completed sections of the PX-4660 and PX-4762, relating to “No” for Section #8(b). Based on my review of the *Flexible Production Support Facility (FPSF) – Amendment 01* project there is no potential for the proposed project to involve hazardous chemicals at or in excess of 29 CFR 1910.119 Appendix A threshold quantities.

Thanks,  
 Miro

<b>9. Petroleum storage/use</b>	<b>Kent Gilbert, Environmental Compliance Department</b>
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**From:** Gilbert, Jon K [CONTR]  
**Sent:** Tuesday, June 6, 2023 4:01 PM  
**To:** Holt, Maria L [CONTR]  
**Subject:** RE: Review: NEPA FPSF - Amend. 01

Lucy,

My original comment for section 9 will also apply to this amendment. Thanks

Equipment Refueling and Storage: When any type of machinery (fuel tanks, construction equipment, portable generators, etc.) is brought on-site that requires any type of petroleum fuel for operation, the fuel must be stored in approved vessels. **Bulk fuel storage in aboveground storage tanks cannot exceed 1,000 gallons in capacity.** A secondary containment (catch pan) shall be utilized to prevent unanticipated releases to the ground. Any spills of petroleum substances shall be reported to the Emergency Operations Center (477-5000), Fire Department (477-3333), Environmental Compliance Department’s Petroleum Storage Tank Contact (573-5995), and cleaned up as soon as possible with assistance from the Fire Department. A spill kit should be on hand at all times and placed near all equipment during refueling operations.

<b>10. Groundwater/SWMUs</b>	<b>Matt Monroe, Environmental Projects Ramon Coronado, Waste Operations</b>
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1 –  
**From:** SWMUInterferenceCoordinator  
**Sent:** Tuesday, May 23, 2023 4:29 PM  
**To:** Holt, Maria L [CONTR]

**Subject:** RE: Review: NEPA FPSF - Amend. 01

Lucy,

In response to the referenced NEPA:

Question 10(a): Correct. Work associated with this project could involve excavation, hydro excavation, and breaching of utilities at multiple locations. Any material resulting from this project will need to be handled according to prescribed methods for spill prevention and waste disposal. The contractor should make preparations to capture any material that flows out of breached utilities, and follow Division I specifications for spills and unplanned releases. Additional correspondence for this question will only be necessary if there are spills or releases to the ground.

Question 10(b): Correct, no additional correspondence is needed for this question.

Question 10(c): Correct, no additional correspondence is needed for this question.

Question 10(d): Correct, no additional correspondence is needed for this question.

Question 10(e): Incorrect, a large portion of the area of work is within the extents of a SWMU. Any soil disturbance Beyond ingress/egress will require a SWMU permit. Workers should avoid unimproved surfaces (bare soil) during ingress/egress if the ground is wet or muddy. Workers, equipment, and/or material that becomes soiled with SWMU soil must be decontaminated prior to removal from the SWMU/SWMU extent. Additional correspondence is needed to request and then close out SWMU permits, and if workers, equipment, and/or materials become soiled and require decontamination.

Question 10(f): Incorrect, change the answer to no, this is a SWMU, but there are no rad concerns.

Question 10(g): correct, no additional correspondence is needed for this question.

**Alyssa Brooks**

2 –

**From:** Coronado, Ramon [CONTR]  
**Sent:** Monday, May 22, 2023 10:30 AM  
**To:** Holt, Maria L [CONTR]  
**Subject:** RE: Review: NEPA FPSF - Amend. 01

Question 10h is correctly marked No.

**11. Drinking water system**

**Chris Puroff, Environmental Compliance Department**

**From:** Puroff, Christopher [CONTR]  
**Sent:** Monday, May 22, 2023 9:38 AM  
**To:** Holt, Maria L [CONTR]  
**Subject:** RE: Review: NEPA FPSF - Amend. 01

Good morning, Lucy.

The only comment I have is editorial. Please revise on the PX-4660.

*The Project Manager will coordination with Monty Schoenhals...*

Other than this, I have no comments or issues with the amendment.

Chris

**12. Sewage system**

**Chris Puroff, Environmental Compliance Department**

See Item #11

**13. Clearing or excavation/revegetation**

**Monty Schoenhals, Environmental Compliance Department**

**Valerie Litwinick, Environmental Compliance Department**

**1 –**

**From:** Schoenhals, Monty [CONTR]  
**Sent:** Wednesday, June 14, 2023 3:42 PM  
**To:** Holt, Maria L [CONTR]; Irvin, Pepper [CONTR]; Gilbert, Jon K [CONTR]  
**Subject:** RE: Peer Review: NEPA FPSF - Amend. 01

Lucy,

The questions 13a.-13b. addresses soil disturbance (blading, scraping, or plowing etc.) 13c. Is focused on trenching and I did not recall any trenching with the parking lot so I marked it N/A.

I did not see that there was going to be any new drive way through a drainage area for the proposed parking lot.

If you want to do a walk down I would be glad to do so.

Monty

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**From:** Schoenhals, Monty [CONTR]  
**Sent:** Tuesday, May 23, 2023 2:33 PM  
**To:** Holt, Maria L [CONTR]  
**Subject:** RE: Review: NEPA FPSF - Amend. 01

Lucy,

The “FPSF - Amend. 01” project will impact revegetation and soils stabilization issues I review for, the PX-4660 looked to be accurate and complete. The Work Sheet PX- 4762 will need to be marked 13 a no, 13 b yes, 13 c N/A, 13 d no, 13 e no, 14 a-c no, and 18 no.

Thanks for the opportunity to review. You may sign me off.

/S/ Monty Schoenhals

**2 –**

**From:** Litwinick, Valerie A [CONTR]  
**Sent:** Monday, May 22, 2023 11:27 AM  
**To:** Holt, Maria L [CONTR]  
**Subject:** RE: Review: NEPA FPSF - Amend. 01

Good morning Lucy,

I don't have any official comments currently on FPSF NEPA Amendment 01 on the Burning Ground question 13.0 f Clearing or Excavation/Revegetation.

PX-4762 Environmental Compliance Worksheet: I concur with question 13.0 f checked as NO.

PX-4660 National Environmental Policy Act (NEPA) Review Amendment Request- I concur with the form as it was sent out on 5/22/23.

Thank you,

**Valerie Litwinick**

**14. Activity outside Zones 4,11, or 12**

**Monty Schoenhals, Environmental Compliance Department**

See Item #13(1)

**15. Cultural (archeological/historical) resources**

**Katie Paul, Environmental Compliance Department**

**From:** Paul, Krisha Kathleen [CONTR]

**Sent:** Tuesday, June 6, 2023 11:34 AM

**To:** Holt, Maria L [CONTR]

**Subject:** RE: Reminder! Review: NEPA FPSF - Amend. 01

Hey Lucy!

For this project, the PX-4762 is correctly marked for Cultural Resources as follows:

Item #15a is "No"

Item #15b is "No"

Item #15c is "No"

Item #15d is "No"

The PX-4660, Section B should include the following statement:

**"Although ground disturbance will not occur within a ¼ mile of a playa, evidence of cultural artifacts have previously been found in the potential disturbed area. If any evidence of an archeological site (artifacts, bones, etc.) is discovered during ground disturbing activities, work must stop and the Environmental Compliance Department (ECD) would be notified immediately."**

Thank you,

Katie Paul, 573-7167

**16. Noise levels**

**Elizabeth Lee, Safety and Industrial Hygiene**

See Item #5(1)

**17. Radiation exposures, rad air emissions**

**Scott Wilson, Radiation Safety**

**Justin Fox, Radiation Safety**

**1 –**  
**From:** Wilson, W Scott [CONTR]  
**Sent:** Monday, May 22, 2023 11:43 AM  
**To:** Holt, Maria L [CONTR]  
**Subject:** RE: Review: NEPA FPSF - Amend. 01

Hi Lucy – Hope all is well!

RSD approves the NEPA amendment documents for the Flexible Production Support Facility as written.

**2 –**  
**From:** Wilson, W Scott [CONTR]  
**Sent:** Tuesday, May 23, 2023 11:13 AM  
**To:** Holt, Maria L [CONTR]  
**Subject:** RE: PX-4762 FPSF - Amend. 01\_wsw

Yes ma’am I concur with the markings for 17 h and i.

<b>18. Pesticide/herbicide use</b>	<b>Monty Schoenhals, Environmental Compliance Department</b>
See Item #13(1)	

<b>19. Explosives</b>	<b>Tom Ellis, Nuclear Explosives Safety</b>
<p><b>From:</b> Johnson, Bailee [CONTR]  <b>Sent:</b> Monday, May 22, 2023 12:04 PM  <b>To:</b> Holt, Maria L [CONTR]  <b>Subject:</b> RE: Review: NEPA FPSF - Amend. 01  <b>Attachments:</b> PX-4660 FPSF - Amend. 01.docx; PX-4762 FPSF - Amend. 01.docx; FPSF.pdf</p> <p>Approved for Explosives Safety.</p> <p>Thank you,</p> <p><b>Bailee Johnson</b></p>	

<b>20. Transportation and traffic issues</b>	<b>Marlo Escamilla, Transportation</b>
<p><b>From:</b> Escamilla, Marlo [CONTR]  <b>Sent:</b> Monday, May 22, 2023 9:27 AM  <b>To:</b> Holt, Maria L [CONTR]  <b>Subject:</b> RE: Review: NEPA FPSF - Amend. 01</p> <p>Maria,</p> <p>This amendment will not interfere with Transportation Operations. Please mark “No” in section 20.</p> <p>Thanks,</p> <p><b>Marlo Escamilla</b></p>	

<b>21. Special status/wildlife and plants</b>	<b>Kevin Baird, Environmental Compliance Department</b>
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**From:** Baird, Kevin S [CONTR]  
**Sent:** Wednesday, June 7, 2023 3:09 PM  
**To:** Holt, Maria L [CONTR]  
**Subject:** RE: Review: NEPA FPSF - Amend. 01

Lucy,

Everything I review for appears to be marked correctly on the PX-4762. Since the amended project will occur outdoors standard considerations for the protection of migratory birds and Texas horned lizards would apply:

"Because this project involves outdoor work, there is a possibility for the discovery of nests of protected migratory birds. At Pantex, nests are commonly found on buildings, fences, and other structures, as well as in more traditional circumstances such as in trees, shrubs, on the ground in gravel areas, and between grass clumps. The ECD Wildlife Biologist shall be contacted if the nest of any bird were encountered prior to or during the proposed project. With the exception of feral rock pigeons, house sparrows, Eurasian collared doves, and European starlings, all birds and their nests are protected by the Migratory Bird Treaty Act and/or state regulations. Nests of protected species cannot be disturbed. Refer to WI 02.01.04.02.21. Scheduling of projects for outside the March – August nesting season would minimize chances for encountering nests of protected migratory birds.

The ECD Wildlife Biologist shall be contacted if a Texas Horned Lizard is encountered in a situation where/when an immediate work action is placing the lizard in harm's way."

<b>22. Floodplains/wetlands/playas</b>	<b>Kevin Baird, Environmental Compliance Department</b>
See Item #21	

<b>23. Cathodic Protection</b>	<b>Zachery Hendrix, Mechanical / Process Engineering</b>
<p><b>From:</b> Hendrix, Zachery [CONTR]  <b>Sent:</b> Monday, May 22, 2023 10:56 AM  <b>To:</b> Holt, Maria L [CONTR]  <b>Subject:</b> RE: Review: NEPA FPSF - Amend. 01</p> <p>Lucy,</p> <p>Section 23.b of the PX-4762 is not marked. That can be marked down as a "NO".</p> <p>Everything else is good to go!</p> <p>Thank you,  Zack</p>	

<b>24. Environmental Management Systems</b>	<b>Alicia Barley, Environmental Compliance Department</b>
<p><b>From:</b> Barley, Alicia F [CONTR]  <b>Sent:</b> Thursday, May 25, 2023 1:55 PM  <b>To:</b> Holt, Maria L [CONTR]  <b>Subject:</b> RE: Review: NEPA FPSF - Amend. 01</p> <p>Hey Lucy,</p>	

I am still good with my section (24.0) on this, I don't think we need any changes at this point.

**24.0 Environmental Management Systems:**

The PX-4762 Environmental Compliance Worksheets: I concur with "No" for a-d.

The PX-2114 Pantex National Environmental Policy Act Review Form: I concur with "No".

Thanks,  
Alicia

**25. Energy Conservation Mgmt. - Metering**

**Steve Wester, Electrical / Mission Engineering**

**From:** Wester, Steven [CONTR]

**Sent:** Monday, May 22, 2023 9:19 AM

**To:** Holt, Maria L [CONTR]

**Subject:** RE: Review: NEPA FPSF - Amend. 01

No meter required.

**26. Pollution Prevention Incentives**

**Pepper Irvin, Environmental Compliance Department**

See Item #2(1)

**27. Environmental Monitoring**

**Matt Jones, Environmental Projects**

**From:** Jones, Matthew [CONTR]

**Sent:** Tuesday, May 23, 2023 12:31 PM

**To:** Holt, Maria L [CONTR]

**Subject:** RE: Review: NEPA FPSF - Amend. 01

Hi Maria,

No comment on this one.

Thanks,  
Matt

**28. Respirable Crystalline Silica**

**Elizabeth Lee, Safety & Industrial Hygiene**

See Item #5(1)

**ADDITIONAL REVIEWS**

**Authorized Derivative Classifier**

**Zelda Martinez, ECD**

**From:** Martinez, Zelda [CONTR]

**Sent:** Monday, May 22, 2023 7:02 AM

**To:** Holt, Maria L [CONTR]

**Subject:** RE: Prelim Review: NEPA FPSF - Amend. 01

**Attachments:** Signature Page 2-14-23 - 12-150 lot.docx

Good morning Lucy,

Thank you,

Z

**Departmental Peer Review**

**From:** Herrmann, Alex [CONTR]  
**Sent:** Monday, June 12, 2023 2:33 PM  
**To:** Holt, Maria L [CONTR]  
**Subject:** RE: Peer Review: NEPA FPSF - Amend. 01  
**Attachments:** PX-4660 FPSF - Amend. 01 (002)\_AMH.docx

Lucy,

Please find attached with edits.

On the 4660, see if you can make Figure 1. Image smaller so the signature block fits on the pg. 3. If it does don't forget to change the pg. count in header.

Nothing follows.

Thanks

**Departmental Peer Review**

**From:** Booker, Jon D [CONTR]  
**Sent:** Tuesday, June 13, 2023 7:35 AM  
**To:** Holt, Maria L [CONTR]  
**Cc:** Passini, Amber D [CONTR]; Herrmann, Alex [CONTR]  
**Subject:** RE: Peer Review: NEPA FPSF - Amend. 01  
**Attachments:** PX-4660 FPSF - Amend. 01.docx

Good morning,

I included some minor suggestions and a question in the attached 4660.

On the 4762, I had several questions:

- 1) 2d. – is the project still Less than 1 acre when the parking area is included? This needs to include the original building, the area of disturbance that has not yet been remediated after the building was finished, and the new parking lot with expected disturbance around the margin. The parking lot is  $\frac{3}{4}$  of an acre by itself.
- 2) 13c. – 13b. is marked yes (i.e., involves ground disturbance), but 13c. is marked N/A. This does not make sense.
- 3) 13e. – The 4660 does not reference driveways into or out of the parking lot, but probably should. If not, then there would be temporary roads built during building of the parking lot. One or the other item needs to be reconciled.

I have included Alex in the CC in place of Bob.

**Departmental Peer Review**

**From:** Passini, Amber D [CONTR]

**Sent:** Tuesday, June 13, 2023 7:59 AM  
**To:** Booker, Jon D [CONTR]; Holt, Maria L [CONTR]  
**Cc:** Herrmann, Alex [CONTR]  
**Subject:** RE: Peer Review: NEPA FPSF - Amend. 01  
**Attachments:** PX-4660 FPSF - Amend. 01 ADP.docx

Good morning Lucy,

I've attached a markup of the 4660 and added to JD's comments.

For the 4762: don't forget to get an estimated project start date.

Also – Wouldn't 28 b, be "yes"? It usually is when a silica plan is required.

Also – since 28 is yes, we need a silica control plan added to section B. I do not see one for section c.

Thank you for the opportunity to review.

Amber

**Environmental Compliance Worksheets**  
(Reference WI 02.01.04.02.01)

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Project Title: Flexible Production Support Facility (FPSF) – Amendment 01

Project Number: 23-011

Project Contact: David Taylor

Date: June 26, 2023

**NOTE: If at any time, during the course of the project, the description in the National Environmental Policy Act (NEPA) document changes, the NEPA Compliance Staff must be notified to assure continued compliance with NEPA and possibly other environmental laws.**

To identify, evaluate, and consider potential environmental impacts of proposed actions is the intent of the NEPA. Even though NEPA is the "basic national charter for protection of the environment" (40 CFR 1500.1), it does not mandate agency decisions. NEPA is a procedural law; thus, compliance with the NEPA does not constitute compliance with other federal or state environmental regulations. The purpose of completing the Environmental Compliance Worksheets is to identify environmental compliance issues to the responsible person in the originating organization (Project Contact). The subject-matter experts who facilitate environmental compliance within their respective disciplines (e.g., Joe Smith - Waste issues) are provided with a signature block following their respective item(s) of compliance concern. Twenty-eight items of environmental issues or considerations comprise the Worksheets. **In addition to the compliance issues stated in these worksheets, additional compliance issues will be identified in the PX-2114, Pantex National Environmental Policy Act Review Form, or the PX-4660, National Environmental Policy Act (NEPA) Review Amendment Request. The PX-2114 or the PX-4660 will address specific compliance issues for individual projects. Action is required by the project contacts for the Environmental Compliance Worksheets and the PX-2114 or PX-4660.**

The following worksheets are part of the NEPA process at the Pantex Plant and are to be completed by the Project Contact. The draft worksheets are then to be submitted with the NEPA Review Form (NRF) or the NEPA Review Amendment Request to the Pantex NEPA Compliance Contact identified in the title block of the NEPA document. **The subject project cannot begin until the NEPA Compliance Contact notifies the project contact that the NEPA document has been approved.**

***The project contact must notify the NEPA staff, by E-mail, when compliance actions that are identified in the NEPA document are completed.***

**Project Contact Concurrence:**

Name(s): David Taylor

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Department/Division(s): Integrated Planning & Sched./Pantex Infrastructure

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Signature(s): **David A Taylor** Digitally signed by David A Taylor  
Date: 2023.06.26 10:23:14 -05'00'

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Date(s):

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Estimated Project Start Date: Month: July

Year: 2023

**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

**Double click on any of the Yes, No, or N/A boxes to bring up the Check Box Form Field Options form. Choose "Checked" to place an "X" in a box. If the Project Contact is unsure of the response, the listed Subject-Matter-Expert should be contacted for assistance.**

**1.0 Non-radiological Ambient Emissions**

- a. Where is this project taking place? (e.g., Building 12-36, Burning Ground, Firing Site, new building)

12-150

- b. Does the proposed project add a new facility, operation, or activity that would contain processes or activities which have the potential of releasing contaminants to outside a building?

YES  NO

- c. Would the proposed project modify or relocate an existing process or activity which causes the release of contaminants outside a building?

YES  NO

- d. Upon completion of the proposed project, would there be operational emissions to the ambient air that are released to the environment through some means other than a stack or vent (e.g., outdoor processes, feed valves, tanks, soil disturbance, etc.)?

YES  NO

- e. Would the proposed project either assure the continuous normal operations of a facility or return a facility to normal operating conditions? Facility, as used here, means a structure where industrial or support processes are performed which generate air contaminants to the atmosphere (e.g., not an office/warehouse or similar building).

YES  NO

- f. During the project, would there be or would there likely to be activities causing the release of contaminants to the ambient air (e.g., surfacing preparation, painting/coating, use of adhesives, use of solvents, soil disturbances, temporary use of equipment containing or requiring burning of fuel or chemicals)?

YES  NO

- g. Would the proposed project install, modify, replace, or demolish a refrigeration unit?

YES  NO

***If "yes," the Project Contact would notify the permit and compliance personnel prior to project commencement for determination requirements and initiation of any permit-related action for Permit 84802.***

- h. Would the proposed project install, modify, or replace any equipment that contains sulfur hexafluoride (SF6) (e.g., electrical transformers, x-ray machines, LINACs, etc.)?

YES  NO

**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

- 
- i. Would the proposed project install, modify, rebuild, or replace a reciprocating internal combustion engine (RICE) or equipment containing a RICE that is a:
1. Compression ignited RICE (e.g., diesel fueled)  
YES  NO
  2. Spark ignited RICE (e.g., unleaded gas, natural gas, LPG fueled, etc.)  
YES  NO

**Air Compliance Contact:** Signature: *Bob Roulston*

Date: 22 May 23

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**2.0 Storm Water/Surface Water**

- a. Would the proposed project consist of work that is entirely indoors with no exposures to the environment?  
YES  NO
- b. Would the proposed project involve hydro-excavating or soil boring activities?  
YES  NO
- c. Would the proposed project involve the use of concrete?  
YES  NO
- d. Would the proposed project involve ground disturbances?  
YES  NO

***If the answer is "yes" to question 2.d, how large of an area would be disturbed? Ground disturbances includes all clearing, grubbing, grading, excavating, trenching, stockpiling, and soil placement operations. (Highlight choice)***

Less than 1 acre

**Greater than 1 acre but less than 5 acres**

Greater than 5 acres

- e. Would the proposed project or activity result in any discharges of waste water to the environment?  
YES  NO
- f. Would the proposed project or activity impact or alter existing storm water drainages?  
YES  NO

***If "yes," the proposed project or activity would need to be evaluated by Facilities Construction Management and the Environmental Compliance Department (ECD) for erosion control and impacts to adjacent drainage areas.***

**Storm Water Compliance Contact:** Signature: *Pepper Irvin*

Date: 22 May 23

**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

- g. If the proposed project involves work outdoors, would the project or activity be located within 1,000 ft. of any of the eight storm water outfalls at the Plant?

YES

NO

***If "yes," the proposed project or activity would need to be evaluated by Facilities Construction Management and the ECD for possible impacts to monitoring locations.***

**Construction Management Contact:** Signature: *Ian Hughes*

Date: 7 Jun 23

**3.0 Solid Waste**

Would there be a potential for construction or operation of the proposed project or activity to involve the generation, treatment, storage, disposal, or recycling of solid waste, as defined in 40 CFR 261.2, other than office trash?

YES

NO

***If "yes," coordination between the Project Contact and the Waste Operations Department (WOD) would be needed regarding documentation requirements (i.e., Material Evaluation Form (MEF), notification, registration, or permit application) before project commencement.***

**Waste Operations Dept. Contact:**

Signature: *Linda Quebedeaux*

Date: 23 May 23

**4.0 Radioactive Waste**

Would there be a potential for the construction or operation of the proposed project to involve the generation, treatment, storage, or disposal of radioactive waste, as defined in DOE Order 435.1?

YES

NO

***If "yes," coordination between the Project Contact and the WOD would be needed regarding documentation requirements (i.e., MEF, notification, registration, or permit application) before project commencement.***

**Waste Operations Dept. Contact:**

Signature: *Linda Quebedeaux*

Date: 23 May 23

**5.0 Hazardous Waste and Hazardous Waste Compliance/Permits**

- a. Would there be a potential for the construction or operation of the proposed project or activity to involve the generation, treatment, storage, or disposal of Resource Conservation Recovery Act (RCRA) hazardous waste, as defined in 40 CFR 261.3?

YES

NO

***If "yes," coordination between the Project Contact and the WOD would be needed regarding documentation of requirements (i.e., MEF, notification, registration, or permit application) before project commencement.***

**Waste Operations Dept. Contact:**

Signature: *Linda Quebedeaux*

Date: 23 May 23



**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

b. Would the project disturb any lead-containing products or surfaces contaminated with lead?

YES

NO

***If "yes," coordination between the Project Contact and the WOD would be needed regarding waste characterization prior to waste accumulation if generation of lead or lead contaminated waste is anticipated.***

**Safety and Industrial Hygiene Dept. Contact:** Signature: *Elizabeth Lee* Date: 26 May 23

c. Would the project require any notification and/or applications for permit amendment/modification to the state regulatory agency under the Pantex Plant Hazardous Waste permit?

YES

NO

d. Would the proposed action require the drilling of wells to inject fluids below ground surface?

YES

NO

If so, is the action covered by an existing authorization?

e. Would there be any other waste-related notices that should be sent to the Texas Commission on Environmental Quality (TCEQ) or another regulatory authority?

YES

NO

***If "yes," the Project Contact would notify the permit & compliance personnel prior to project commencement for determination requirements and initiation of any permit-related action. Please note that many permit actions require several months to process, if needed.***

**Environmental Compliance Dept. Contact:** Signature: *Alex Herrmann* Date: 23 May 23

**6.0 Mixed Waste**

***If the responses to both #4 and #5a are "yes", the response to #6 is "yes."***

Would there be a potential for the construction or operation of the proposed project to involve the generation, treatment, storage, disposal, or recycling of mixed waste, as defined in DOE Order 435.1?

YES

NO

***If "yes," coordination between the Project Contact and the WOD would be needed regarding documentation requirements (i.e., MEF, notification, registration, or permit application) before project commencement.***

**Waste Operations Dept. Contact:** Signature: *Linda Quebedeaux* Date: 23 May 23

**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

**7.0 Asbestos/Asbestos Waste**

a. Will asbestos containing materials be removed or disturbed in this project?

YES  NO

b. Has an asbestos abatement plan been reviewed and approved by the Safety & Industrial Hygiene Department?

YES  NO  N/A

**Safety and Industrial Hygiene Dept. Contact:** Signature: *Elizabeth Lee* Date: 26 May 23

If "yes" to either "a" or "c," a determination must be made as to whether an Asbestos Notification Form to TDSHS is required. Contact the Environmental Compliance Dept. Contact to request a determination before project commencement.

c. Will the project involve the demolition/removal of any building, structure or structural load-bearing units?

YES  NO  N/A

d. If asbestos containing materials are to be removed or disturbed in this project, please indicate the quantity of Regulated Asbestos Containing Material (RACM) to be removed or disturbed:

\_\_\_\_\_ Linear ft. \_\_\_\_\_ Square ft. \_\_\_\_\_ Cubic ft. or \_\_\_\_\_ Undetermined.

**Environmental Compliance Dept. Contact:** Signature: *Tim Parker* Date: 6 Jun 23

e. Would there be a potential for construction or operation of the proposed project or activity to involve the generation, treatment, storage, or disposal of asbestos waste?

YES  NO  N/A

**Waste Operations Dept. Contact:** Signature: *Linda Quebedeaux* Date: 23 May 23

**8.0 Chemical Storage/Use and Chemical Exposures**

a. Have chemicals been reviewed by Hazard Communication?

YES  NO  N/A

If "no," coordination between the Safety & Industrial Hygiene Department and the Project Contact would be necessary prior to project commencement to obtain the proper procedures.

**Safety and Industrial Hygiene Dept. Contact:** Signature: *Angie Bowman* Date: 22 May 23

**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

- b. Would there be a potential for the construction or routine operation of the proposed project to involve chemicals at or in excess of 29 CFR 1910.119 Appendix A Threshold Quantities or be in the proximity of facilities or operations involving chemicals at or in excess of 29 CFR 1910.119 Appendix A Threshold Quantities?

Note: There are currently no Process Safety Management (PSM)-covered projects, facilities, or operations at Pantex (29 CFR 1910.119 Appendix A Threshold Quantities). The response will almost always be “no.”

YES  NO

***If “yes,” coordination between the Nuclear & Explosives Surety (Hazards Analysis group) and the Project Contact would be necessary prior to project commencement to obtain the proper procedures.***

**Hazards Analysis Contact:**

Signature: *Miro Bijelic*

Date: 22 May 23

**9.0 Petroleum Storage/Use/Tanks**

- a. Would the project involve repair/maintenance/installation of an Underground Storage Tank (UST) or an Aboveground Storage Tank (AST), its piping leak detection system or the delivery system?

YES  NO

- b. Would the project involve excavation around an existing UST or AST, its piping leak detection system or the delivery system?

YES  NO

- c. Would the project involve the use of petroleum fuels?

YES  NO

- d. Will project equipment need to be refueled at the Pantex Plant site during the project?

YES  NO  N/A

- e. Would the fuels be stored on the Pantex Plant site? (e.g., fixed storage tank located on Pantex property for either short or long term)?

YES  NO  N/A

- f. Will equipment using petroleum be fueled from a pickup truck bed tank or from a mobile refueling truck?

YES  NO  N/A

***If “yes,” coordination between the ECD and the Project Contact would be necessary prior to project commencement to obtain the proper procedures.***

**Petroleum Storage Tank Contact:**

Signature: *Kent Gilbert*

Date: 6 Jun 23

**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

**10.0 Groundwater/Solid Waste Management Units (SWMUs):**

Groundwater contamination prevention and water conservation should be incorporated into planning, construction and operating activities. The addition of groundwater protection concerns to the Environmental Compliance Worksheets is considered a best business practice for the Pantex Plant.

- a. Would (or could) this activity result in the planned or unplanned placement or release of liquids, sludges, or solids to the ground surface or drainage ditch system (e.g., hydro-vac, soil staging, dust control, systems with condensate discharge, breaching buried utilities, etc.)?

YES  NO

***If "yes," coordination between the Project Contact and the Environment, Safety and Health Division's Groundwater Compliance Contact is necessary prior to project commencement.***

- b. Would any aspect of the planned construction and/or operation activities be located outdoors and within 250 ft. of a monitoring well?

YES  NO

***If "yes," provide a site location map, and delay project commencement until regulatory restrictions are reviewed.***

- c. Would any aspect of the planned construction and/or operation occur within 500 ft. of groundwater cleanup systems? Cleanup systems include wells, Pump and Treat buildings and systems, In-Situ Bioremediation trailers and systems, and Soil-Vapor Extraction Units.

YES  NO

***If "yes," provide a site location map, and delay project commencement until regulatory restrictions are reviewed. If uncertain, contact Environmental Projects for guidance.***

- d. Would planned construction involve water storage or drilling/excavation to depths greater than 50 ft.?

YES  NO

- e. Would the proposed project or activity intrude upon a SWMU or SWMU Extent (this includes ingress/egress on unpaved surfaces and discharge of water into or adjacent to a SWMU)?

YES  NO

***If "yes," coordination between the Environment, Safety and Health Division's SWMU Interference Coordinator and the Project Contact is necessary prior to project commencement to obtain the proper notifications.***

- f. If "yes" to question a, is it a SWMU associated with a radioactive impact? (Also refer to question 17d).

YES  NO  N/A

**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

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***If “yes,” coordination between the Environment, Safety and Health Division’s SWMU Interference Coordinator and the Project Contact is necessary prior to project commencement to obtain the proper notifications.***

g. Would this project be considered an environmental remediation project?

YES

NO

**Groundwater/SWMU Compliance Contact:** Signature: *Alyssa Brooks* Date: 23 May 23

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h. Would this project have the potential to require SWMU soil to be re-located?

YES

NO

***If “yes,” coordination between the Project Contact and the WOD would be needed regarding waste characterization prior to waste accumulation if excess of SWMU soil is generated.***

**Waste Operations Dept. Contact:** Signature: *Ramon Coronado* Date: 22 May 23

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**11.0 Drinking Water System**

a. Does this project involve making changes or modifications to the potable water wells?

YES

NO

b. Does the project involve installation of new potable water lines or service connections?

YES

NO

***If “yes,” all materials used in a public water supply system must be ANSI/NSF approved.***

c. Does the project involve installation or removal of a potable water fixture (water faucet, fountain, or sink)?

YES

NO

d. Does this project involve connecting any processes to the water distribution system?

YES

NO

**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

***If “yes,” backflow prevention/protection would be required. Project Contact would coordinate with ECD Drinking Water Compliance Coordinator for the appropriate type and location {30 TAC 290.44(h) and 30 TAC 290.47(f)}.***

e. Would any aspect of the planned construction and/or operation activities be located outdoors and within 500’ of a production well?

YES  NO

f. Does this project involve making connections or disconnections to the fire suppression (low-pressure) system (construction, dust suppression, herbicide/pesticide application, hydro excavation)?

YES  NO

***If “yes,” backflow prevention/protection would be required. Project Contact would coordinate with ECD Drinking Water Compliance Coordinator, for the appropriate type and location. Any connection to the low-pressure fire suppression system (i.e., hydrant) to any tank or vessel that is not used and labeled “Potable Water” must have backflow protection (reduced-pressure zone assembly or an air-gap).***

***Modifications or additions to the drinking water system, including production wells, may require TCEQ approval of the design. Any connection(s) to the potable water system shall comply with the requirements and specifications outlined in the Texas Administrative Code, the Uniform Plumbing Code, and the National Sanitation Foundation/American Water Works Association (AWWA/NSF) manuals. Any materials used shall be approved for use in a potable water system. Any connections or disconnections to the potable water system must be approved by the water purveyor (Utilities), prior to beginning operations. (Add to PX-2114, if applicable).***

Drinking Water Compliance Contact: Signature: *Chris Puroff*

Date: 22 May 23

**12.0 Sewage System/On-site Sewage Facility (OSSF)**

a. Does this project involve discharging process water (i.e., air-handling unit, cooling tower, heat exchanger, roto-clone, etc.) to the sanitary sewer system?

YES  NO

b. Does this project involve discharge of anything other than sanitary sewage to the wastewater treatment system?

YES  NO  N/A

c. Does this project involve construction, demolition or discharge to a sump?

YES  NO

d. Does this project involve construction, demolition or discharge to an oil/water separator?

YES  NO

**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

e. Does this project involve construction, demolition or discharge to a septic tank or system?

YES

NO

***If "yes" to any question, the Project Contact would notify the ECD's water/wastewater personnel prior to project commencement for determination of potential environmental impacts and/or potential permit modifications/notifications to the regulatory agency.***

**Sewage System Compliance Contact:** Signature: *Chris Puroff*

Date: 22 May 23

f. Does this project involve installation or repair of a septic (OSSF) tank/system?

YES

NO

***If "yes" the Project Contact would notify the ECD's OSSF personnel prior to project commencement for determination of potential environmental impacts and/or potential permit requirements/notifications to the regulatory agency.***

**OSSF (Septic System) Compliance Contact:** Signature: *Chris Puroff*

Date: 22 May 23

**13.0 Clearing or Excavation/Revegetation**

a. Are you aware of other ground-disturbing projects or activities done in the same or succeeding year, in the immediate proximity?

YES

NO

***If "yes," the Project Contact would notify the ECD's natural resource personnel prior to project commencement for determination of possible cumulative impacts. If other such projects were observed during the course of this project activity, the natural resource personnel would be notified.***

b. If this activity involves ground disturbance, is revegetation required?

YES

NO

***If "yes," coordination between the ECD's Agronomist and Project Contact would be necessary to establish best management practices for land use and recommend grasses and times for planting.***

c. If trenching/soil disturbance is involved, (such as utility hook-ups or extensions), how wide and long of an area would be disturbed?

Width \_\_\_\_\_

Length \_\_\_\_\_

N/A

***\* Note: Any excavated soil must not be left on the ground by the project area for an extended period of time. The soil must be relocated to a designated staging area or permanent disposal area. See Question #10 if project is located within a Solid Waste Management Unit (SWMU).***

**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

d. Would there be any landscaping practices resulting from or associated with this project?

YES  NO

*If "yes," coordination between the ECD's Agronomist and Project Contact would be necessary to establish best management practices and the most cost-effective and environmentally sound landscaping practices to reduce adverse impacts to the natural environment as identified in the Environmental Management System for Pantex Plant (Section 207).*

e. Would this project require construction of a temporary or permanent access road for construction equipment or personnel?

YES  NO

ECD Agronomist: Signature: *Monty Schoenhals* Date: 23 May 23

f. Would there be soil disturbance in the Burning Ground?

YES  NO

*If "yes," coordination between the ECD Soils Media Scientist and Project Contact would be necessary prior to project commencement.*

ECD Soils Media Scientist: Signature: *Valerie Litwinick* Date: 22 May 23

**14.0 Activity Outside Zones 4, 11, or 12?**

a. Would this activity impact cultivated areas or rangeland?

YES  NO

b. Would this project require mowing of vegetation at any time?

YES  NO

*If "yes," coordination between the ECD's Agronomist and Project Contact is necessary prior to project commencement.*

c. Would this activity occur on Texas Tech property?

YES  NO

*If "yes," coordination between the ECD's Agronomist and Project Contact would be required to provide 30 day written notice prior to performing any activities on Texas Tech property.*

ECD Agronomist: Signature: *Monty Schoenhals* Date: 23 May 23

**15.0 Cultural (Archeological/Historic) Resources**

a. Would the proposed activity, including material and construction laydown area, occur within 1/4 mile of a playa?

YES  NO



**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

- b. Would the proposed activity include the demolition or modification of any of the following Buildings: 12-17 complex (17, 17A, 17B, or 17E), 11-20, 12-26, 12-33, 12-44 Cell 1, 12-60, or 12-64?

YES  NO

- c. Would the proposed activity include the demolition, dismantlement, or transfer of ownership (offsite) of structures, equipment, objects, or artifacts that could be considered historically significant?

YES  NO

***If "yes," coordination between the Pantex Plant Historian and Project Contact would be necessary prior to project commencement to obtain the proper procedures.***

- d. Would the proposed activity include any ground disturbance on Texas Tech property?

YES  NO

***If "yes," coordination between the Pantex Plant Historian and Project Contact would be necessary prior to project commencement to obtain the proper procedures.***

Cultural Resource Specialist: Signature: *Katie Paul*

Date: 6 Jun 23

**16.0 Noise Levels**

- a. Would there be temporary elevated noise levels associated with the construction phase of this project?

YES  NO

- b. Would there be elevated noise levels associated with the final operation of this project?

YES  NO

- c. Should hearing protection be required for the final operation of the project?

YES  NO

Safety and Industrial Hygiene Dept. Contact: Signature: *Elizabeth Lee* Date: 26 May 23

**17.0 Radiation Exposures, include Radiological Air Emissions**

- a. Does the project involve introduction, relocation or modification of a Radiation Generating Device (LINAC, or other radiography device, etc.) or radioactive source?

YES  NO

**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

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***If “yes,” coordination between the Radiation Safety Department (RSD) Contact and the Project Contact would be necessary prior to project commencement to obtain proper procedures.***

- b. Does the project impact the Heating, Ventilating and Air Conditioning (HVAC) system and/or the associated duct work in a facility posted as a radiological area (Radiation Area, High Radiation Area, Contamination Area, Soil Contamination Area, or Airborne Radioactivity Area) or involve removal/relocation of continuous air monitors and/or High Efficient Particulate Air (HEPA) filters of a facility in either of the Material Access Areas (MAA) or the Limited Area?

YES  NO

***If “yes,” coordination between the RSD Contact and the Project Contact would be necessary prior to project commencement to obtain proper procedures.***

- c. Does the project involve the generation, use and/or storage of radioactive materials?

YES  NO

***If “yes,” coordination between the RSD Contact and the Project Contact would be necessary prior to project commencement to obtain proper procedures.***

- d. Does the project involve work within, or establishment of, a radiological area (Radiation Area, High Radiation Area, Contamination Area, Soil Contamination Area, or Airborne Radioactivity Area)? (Reference Item e below and also Section 10f).

YES  NO

- e. Does the project involve the generation of materials and equipment that would require a clearance survey by Radiation Safety prior to disposition?

YES  NO

- f. If yes, has a PX-3134, *Process Knowledge*, been generated?

YES  NO  N/A

- g. Does the project involve the removal or dismantlement of equipment or tooling, with inaccessible surfaces, that is or was used to clean, polish, or machine components containing radioactive material?

YES  NO

***If “yes,” coordination between the RSD Contact and the Project Contact would be necessary prior to project commencement to obtain proper procedures.***

RSD Dept.:

Signature: *Scott Wilson*

Date: 22 May 23

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**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

- h. Would the project's operations involve the production of radionuclide-containing material outside of hermetically sealed packages in forms which could result in emissions of radiological material to the atmosphere (including those which may result from remediation or disposal activities in Radiological Solid Waste Management Units or Soil Contamination Areas where airborne resuspension is possible)?

YES  NO  N/A

- i. Would the project lead to a potential for increased emissions of radioactive material from a previously identified source of emissions? (Note: Increased emissions may be either an increase in the emissions of a previously emitted radionuclide for the affected source, or addition of a new radionuclide to that source).

YES  NO  N/A

***If "yes" to either "e" or "f," a determination must be made as to whether a permit application per 40 CFR 61, Subpart H is required. Contact the RSD Health Physicist to request a determination before project commencement.***

RSD Health Physicist:

Signature: */s/ Scott Wilson*

Date: 23 May 23

**18.0 Pesticide/Herbicide Use**

Would the proposed project or activity require the use of land-applied chemicals (e.g., insecticides, herbicides, and soil sterilants)?

YES  NO

***If "yes," coordination between the ECD's Agronomist and the Project Contact would be necessary prior to project commencement to obtain the proper procedures.***

ECD Agronomist:

Signature: *Monty Schoenhals*

Date: 23 May 23

**19.0 Explosives**

- a. Would there be a potential for the construction or routine operation of the proposed project to be performed in the proximity of operating areas or facilities that perform or previously performed explosive operations?

YES  NO

***If "yes," the proposed project or activity would need to be evaluated by the Nuclear & Explosive Surety Department (Explosives Safety Section) to obtain an intraline distance evaluation prior to project commencement.***

- b. Would there be a potential for the construction or routine operation of the proposed project to involve explosives, to involve working on process equipment that is, or could be, explosives contaminated or be performed in an area (e.g., room, bay, cell, etc.) that contains or previously contained explosives?

YES  NO

**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

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***If “yes,” the proposed project or activity needs to be evaluated by the Nuclear & Explosives Surety Department (Explosives Surety Section) prior to project commencement to establish the necessary administrative (e.g., procedures) and/or engineering controls required to safely perform the work.***

**Explosives Safety & Hazards Analysis Contact:** Signature: *Bailee Johnson* Date: 22 May 23

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**20.0 Transportation and Traffic Issues**

- a. Could this project interfere with transportation of explosive or nuclear materials, chemicals, or other hazardous materials?

YES

NO

***If “yes,” coordination between the Transportation Department and the Project Contact would be necessary prior to project commencement.***

**Transportation Dept. Contact:** Signature: *Marlo Escamilla* Date: 22 May 23

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**21.0 Special Status Species: Wildlife and Plants**

- a. Does any portion of this project occur outdoors (or is otherwise accessible to birds) or is it entirely within the confines of a building, without potential of access by migratory birds? ***If outdoors or an area otherwise accessible to birds, the activity or project does have the potential to result in the harm or disturbance of protected fauna species, including threatened or endangered species, Texas horned lizards, and migratory birds. Depending on species, migratory birds nest on the ground (on gravel or dirt roads, on bare ground, or in burrows or vegetation), as well as on bushes, trees, traffic signs, building exteriors, and even on rooftops.***

Outdoors

Indoors

Both

***If any portion of the project is outdoors, there will be provisions provided by the ECD Natural Resources Coordinator. This could include additional coordination with the Natural Resources Coordinator prior to commencement of work.***

- b. If outdoors, would this project occur in grassland areas? Please provide a map that is of a scale that shows the location(s) clearly.

YES

NO

N/A

***If “yes”, there will be provisions provided by the ECD Natural Resources Coordinator. This could include additional coordination with the Natural Resources Coordinator prior to commencement of work.***

**Natural Resource Coordinator:** Signature: *Kevin Baird* Date: 7 Jun 23

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**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

**22.0 Floodplains/Wetland/Playas**

- a. Would the proposed project or activity occur within a floodplain?  
YES  NO
- b. Have private parties (contractors, etc.) involved in the project been informed of the hazards associated with locating facilities (including equipment) and structures in a floodplain?  
YES  NO  N/A
- c. Is there an alternative to the activity being in the floodplain?  
YES  NO  N/A
- d. Would the proposed project or activity result in a discharge to a playa?  
YES  NO

***If "yes," coordination between the ECD Wetlands Coordinator and the Project Contact is necessary prior to project commencement to obtain the proper procedures.***

**Wetlands Coordinator:**

Signature: *Kevin Baird*

Date: 7 Jun 23

**23.0 Cathodic Protection**

- a. Would there be any metallic structures (pipes, valves, etc.) installed underground during this project?  
YES  NO
- b. Would there be underground metallic piping or structures exposed during construction?  
YES  NO

***If "yes," coordination between the Cathodic Protection Contact and the Project Contact is necessary prior to project commencement to allow for cathodic protection design.***

**Cathodic Protection Contact:**

Signature: *Zach Hendrix*

Date: 22 May 23

**24.0 Environmental Management Systems**

- a. Would this project be expected to increase or decrease the amount of potable/drinking/plant supplied water used post construction during normal operating conditions?  
YES  NO
- b. Would this project be expected to increase or decrease any of the following: air emissions, leakage rate or change the type of refrigerants used, fleet vehicles, or the type of vehicles driven post construction?  
YES  NO

**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

c. Would this project add a new building or involve the renovation to an existing building?

YES

NO

d. Would this project be expected to increase or decrease the amount of energy used post construction during normal operating conditions (LED lighting, energy efficient fixtures and/or equipment)?

YES

NO

***All purchases made to support this project shall follow the requirements of E-PROC-3188, CNS Sustainable Acquisition Procedure including, but not limited to: construction materials (including skirts for buildings, paint, partitions, flooring, pervious pavers for parking areas, alternative products for insulation and if possible, Ferrock in place of concrete, if economically feasible), heating and air units, lighting, office furniture (including chairs), computer work stations and imaging equipment. Any product listed in Appendix B; "Recycled-Content Materials and Products included in the EPA Comprehensive Procurement Guidelines (CPG) and Bio-based Materials Designated by the U.S. Agriculture Department" has to be a sustainable product and if it is not then a justification form, UNC-26296, Exemption Justification for Sustainable Acquisition Products (i.e. Bio-based/Recycled Content, Remanufactured, EPEAT, Energy/Water Efficient, etc.) Designated Products must be submitted. Contact Environmental Management System (EMS) personnel listed below with any questions concerning sustainable purchasing options or any exemptions/justifications required to be submitted per E-PROC-3188.***

EMS Contact:

Signature: *Alicia Barley*

Date: 25 May 23

**25.0 Energy Conservation Management - Metering**

a. Does the project require installation or renovation of utilities (electricity, natural gas and/or water) to building(s), or structure(s), where projects will be accomplished?

YES

NO

b. Is advanced metering, as defined by the Federal Energy Management Program (i.e., that which has "...the capability to measure and record interval data and communicate the data to a remote location..."), to be installed?

YES

NO

N/A

Facility Engineering, Electrical Group Contact:

Signature: *Steve Wester*

Date: 22 May 23

**26.0 Pollution Prevention Initiatives**

a. Have pollution prevention techniques and/or practices (e.g., chemical substitutions, waste prevention, material reuse, recycling, etc.) been considered in the construction and operation of the proposed project?

YES

NO

b. Would the proposed project reduce waste?

YES

NO

N/A

**Environmental Compliance Worksheets**

(Reference WI 02.01.04.02.01)

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**Contact the WOD for assistance and for guidance and procedures to follow.**

**Pollution Prevention Contact:** Signature: *Pepper Irvin* Date: 22 May 23

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**27.0 Environmental Monitoring**

Would the proposed project or activity be located within 100 feet of a monitoring location or have the potential to impact environmental monitoring activities or an environmental remediation system in the general vicinity?

YES  NO

***If "yes," provide a site location map and delay project commencement until the proposed location is reviewed and coordination between the Environmental Monitoring Department and the Project Contact occurs to resolve issues.***

**Sampling and Analysis Section Contact:** Signature: *Matt Jones* Date: 23 May 23

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**28.0 Respirable Crystalline Silica**

a. Would the crystalline silica containing materials be disturbed during this project? This includes but is not limited to concrete, cement, CMU block, mortar, and asphalt.

YES  NO

b. Would material disturbance be in compliance with 29 CFR 1926.1153(c) Table 1: Specified Exposure Control Methods When Working with Materials Containing Crystalline Silica?

YES  NO  NA

c. Has a Crystalline Silica Exposure Control Plan been reviewed and approved by the Safety and Industrial Hygiene Department?

YES  NO  NA

**Safety and Industrial Hygiene Dept. Contact:** Signature: *Elizabeth Lee* Date: 26 May 23

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***In all cases where a determination must be made and is not specified, the departments indicated would provide assistance or would make the determination.***

In all cases where a permit application or form is to be prepared and submitted to an outside regulatory agency, such as the TCEQ, the Environment, Safety, & Health (ES&H) Division would provide assistance in preparation and review of the required applicable documentation, as determined by the environmental compliance subject-matter experts on a project-specific basis. All such documentation shall be submitted to the regulatory agency through the Department of Energy/National Nuclear Security Administration (DOE/NNSA) Production Office.