

NEPA REVIEW SCREENING FORM 3A
Actions Likely to be Categorically Excluded

Document ID #:
DOE/CX-00181

I. Project Title:

Activity-Specific Categorical Exclusion for Project L-906 Hanford Fire Department Station 92 Renovations and Sewer System Modifications

II. Describe the proposed action, including location, time period over which proposed action will occur, project dimension (e.g., acres displaced/disturbed, excavation length/depth), and area/location/number of buildings. Attach narratives, maps and drawings of proposed action if doing so will assist in DOE's evaluation. Describe existing environmental conditions and potential for environmental impacts from the proposed action. If the proposed action is not a project, describe the action or plan.

The U.S. Department of Energy Richland Operations Office (DOE-RL) Security, Emergency Services and Information Management Division (SEI) proposes to renovate Hanford Fire Department (HFD) Station 92, located between 200-East Area and 200-West Area along Route 3 (see Figure 1), to allow eventual shutdown of Station 91 (100 Area Fire Station) and realign and consolidate HFD services from four fire stations to two fire stations [Northern Area (Station 92) and Southern Area (400 Area Fire Station)] in response to changing needs at the Hanford Site.

Project L-906 would provide consolidated fire protection, emergency medical services, hazardous materials response, and special rescue services to the 100, 200-East, 200-West, and 600 Areas, including the Waste Treatment Plant. The existing Station 92 (Building 609-A) has insufficient space to accommodate materials, apparatus, and equipment that would be relocated from Station 91; and has inadequate restroom, locker room, shower, and dormitory facilities. Project L-906 would expand Station 92 by 110-feet by 40-feet to accommodate five personnel reassigned from Station 91 (see Figure 2). The proposed project includes a new five-bay materials, apparatus, and equipment storage building measuring 50-feet by 140-feet that would be located to the south of Building 609-A and east of Building 609-H (see Figure 3).

There are two septic tanks at Station 92 that discharge into a 4-inch gravity sewer line along Route 3 between Station 92 and the pumping station east of the 2721-EA Building in the 200-East Area. The 4-inch gravity sewer line was designed and installed in 1997 when the Station 92 occupancy was approximately 50 people. As a result of Station 92 modifications since 1997, the current occupancy is approximately 90 people with 5 additional people proposed for relocation from Station 91 (90 percent increase in occupancy). The 4-inch gravity sewer line is undersized and would be enlarged to provide the necessary capacity.

Proposed sewer system modifications include installation of approximately 4,920-feet of 8-inch diameter polyvinyl chloride (PVC) piping and associated lift stations, electrical connections, and sewer pumping stations between Station 92 and the pumping station east of the 2721-EA Building (see Figure 4). The piping would be sized to accommodate sewer tie-ins from nearby facilities (e.g., 616 Building, 6290 Building, and 6291 Building). Work would involve excavation for access to sewer system components including removal and repair of sections of asphalt and concrete sidewalks, roadways, and parking lots.

The existing 4-inch gravity sewer line, septic tanks, dosing chambers, vaults, piping, and tile fields would be abandoned in-place in accordance with applicable Washington State regulations. Septic system abandonment would be conducted in accordance with WAC 246-272B-07500, "Abandonment," which requires written notice to the Washington State Department of Health (WDOH), WDOH approval, pumping contents of the septic tanks, removing all mechanical and electrical equipment, removing lids, and backfilling septic tanks with sand and gravel. Sewer system design, construction, and operation would be performed in accordance with requirements of WAC 246-272A, "Onsite Sewage Systems" and WAC 246-272B, "Large Onsite Sewage System Regulations."

Excavations up to approximately 6-feet deep would be necessary for Station 92 renovations and new construction. The maximum depth of excavations for the sewer system modifications would be up to 20-feet deep to access sewer system components. Excavations would occur in previously disturbed areas and existing utility rights-of-way. All staging of equipment and materials would occur in previously disturbed or developed areas within the construction footprint, which is approximately 76-acres in size.

ENVIRONMENTAL RESOURCE EVALUATION

Land and Visual Resources. The Proposed Action would be located in an area designated for "industrial-exclusive" land use in HCP-EIS, DOE/EIS-0222-F, "Final Hanford Site Comprehensive Land Use Plan Environmental Impact Statement" and is consistent with the land use maps, designations, policies, and procedures established in the HCP-EIS. There would be little change

NEPA REVIEW SCREENING FORM 3A
Actions Likely to be Categorically Excluded (Continued)

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DOE/CX-00181

in the overall visual setting, and visual resource impacts associated with construction activities would be temporary and insignificant. New facilities and infrastructure would be within existing disturbed and developed land areas or utility rights-of-way.

Ecological Resources (ECR-2018-609, ECR-2018-620). DOE Environmental Compliance performed a survey of the project areas on February 28, 2018 and June 13, 2018 (for the Station 92 renovations and the sewer system modifications). The project area for the proposed expansion of Station 92 consists of asphalt surfaces and cultivated lawn. The project area for the five-bay equipment storage building consists of asphalt, compacted gravel, and sparsely vegetated areas dominated by non-native plant species. Other buildings within the project area are surrounded by highly disturbed land with no significant native vegetation. The project area for the proposed sewer system modifications is primarily previously disturbed land along the shoulder of Route 3 or other developed areas; however, areas beyond the road shoulder contain patches of Big Sagebrush (*Artemisia tridentata*) that would be avoided during construction activities.

Areas surrounding existing buildings are considered by DOE/RL 96-32, "Hanford Site Biological Resources Management Plan" (BRMP), Revision 2, to be a Level 0 habitat and no compensatory mitigation is required. Undisturbed areas adjacent to the project area are BRMP Level 2 habitats with a management goal of conservation through avoidance and/or minimization. Project areas that would be disturbed do not require compensatory mitigation. Disturbed land areas that are not needed for continued project use would be replanted using locally derived, native plant species in accordance with DOE/RL-2011-16, "Hanford Site Revegetation Manual," Revision 1, which provides guidance regarding species mix, planting rates, and methods.

No plant or animal species protected under the "Endangered Species Act," candidates for such protection, or species listed by Washington State as threatened or endangered were observed in the vicinity of the project areas. Birds can nest within project areas on the ground, buildings, or equipment and the nesting season is typically from mid-March to mid-July. DOE Environmental Compliance would perform a nesting bird survey if work occurs during the nesting season. Project management would instruct workers to watch for nesting birds. If any nesting birds are encountered or suspected, or bird defensive behaviors are observed within the project area, then project management would contact DOE Environmental Compliance to evaluate the situation. No adverse impacts to ecological resources are anticipated.

Cultural Resources (HCRC-2018-600-002, HCRC-2018-600-005). A cultural resources review of the project areas was conducted by the DOE Cultural and Historic Resources Program. Two "Area of Potential Effects" (APE) notifications were sent to the Washington State Historic Preservation Office (SHPO) and regional Tribes on January 18, 2018 and April 3, 2018 (for the Station 92 renovations and the sewer system modifications). A cultural resources survey was conducted on January 29, 2018 and April 23, 2018. Although the Hanford Atmospheric Dispersion Test Facility is known to historically cross through the APE, no components of this property were observed during fieldwork. Previously identified structures and a Historic Property (45BN1609) were observed within the APE. No new historic properties were identified within the APE. A Cultural Resources Review (CRR), with a "No Historic Properties Affected Finding," was prepared and submitted to the SHPO and regional Tribes for a 30-day comment period on February 21, 2018 and May 9, 2018. The SHPO concurred with the findings of the CRR on February 21, 2018 and May 9, 2018. The DOE Cultural and Historic Resources Program provided a notice of compliance with Section 106 of the "National Historic Preservation Act" for the Proposed Action on March 20, 2018 and June 14, 2018.

Although no impacts to cultural resources are anticipated, project management would direct workers to watch for cultural materials (e.g., bones, stone tools, mussel shell, cans, and bottles) during work activities. If any cultural materials are encountered, work in the vicinity of the discovery would stop until a DOE Cultural and Historic Resources Program Archaeologist has been notified, the significance of the find assessed, appropriate Tribes notified, and if necessary, arrangements made for mitigation of the find.

Conclusion. This Activity-Specific Categorical Exclusion only applies to the Proposed Action described herein. Changes to the Proposed Action or future requests for support building or sewer system modifications would be approved by the DOE NEPA Compliance Officer.

III. Existing Evaluations (Attach them):

NEPA REVIEW SCREENING FORM 3A
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DOE/CX-00181

Ecological Review Report No. and Title:

Phase 1: MSA-1801185, "Ecological and Cultural Clearance for the L-906 Hanford Fire Department Station 92 Expansion in the 600 Area of the Hanford Site, Benton County, Washington (HCRC-2018-600-002, ECR-2018-609)," dated March 22, 2018.

Phase 2: MSA-1802505, "Ecological Clearance for Sewer System Upgrades and Maintenance between the 200 East/West Emergency Services Campus and the 200 East Sewer Network in the 200 East and 600 Areas, in Support of L-906, Hanford Fire Department Station 92 Expansion at the Hanford Site, Benton County, Washington (ECR-2018-620)," dated June 26, 2018.

Cultural Review Report No. and Title:

Phase 1: MSA-1801185, "Ecological and Cultural Clearance for the L-906 Hanford Fire Department Station 92 Expansion in the 600 Area of the Hanford Site, Benton County, Washington (HCRC-2018-600-002, ECR-2018-609)," dated March 22, 2018.

Phase 2: MSA-1802477, "Cultural Resource Clearance for Sewer System Upgrades and Maintenance between the 200 East/West Emergency Services Campus and the 200 East Sewer Network in the 200 East and 600 Areas, in Support of L-906, Hanford Fire Department Station 92 Expansion at the Hanford Site, Benton County, Washington (HCRC-2018-600-005)," dated June 25, 2018.

Maps:

- Figure 1 - Hanford Fire Station 92 Location Map
- Figure 2 - Proposed New Expansion Area on the West Side of Station 92
- Figure 3 - Proposed Expansion Area and Equipment Storage High-Bay at Station 92
- Figure 4 - Area of Potential Effects for Sewer System Modifications

Other Attachments:

N/A

IV. Integral Elements and Extraordinary Circumstances	Yes	No
Does the proposed action fall within one or more of the actions listed in Appendixes A or B to Subpart D of 10 CFR 1021 and is thus categorically excluded (CX)? List applicable CX(s): 10 CFR 1021, Subpart D, Appendix B, CX B1.15, "Support Buildings" 10 CFR 1021, Subpart D, Appendix B, CX B5.5, "Short Pipeline Segments"	<input checked="" type="radio"/>	<input type="radio"/>
Are there extraordinary circumstances that may affect the significance of the environmental effects of the proposal, such as those set forth in 10 CFR 1021.410(2)? If yes, describe them. N/A	<input type="radio"/>	<input checked="" type="radio"/>
Is the proposal connected to other actions with potentially significant impacts, or that could result in cumulatively significant impacts? If yes, describe them. N/A	<input type="radio"/>	<input checked="" type="radio"/>
Would the proposed action threaten a violation of applicable statutory, regulatory, or permit requirements related to the environment, safety, health, or similar requirements of DOE or Executive Orders?	<input type="radio"/>	<input checked="" type="radio"/>
Would the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities?	<input type="radio"/>	<input checked="" type="radio"/>
Would the proposed action disturb hazardous substances, pollutants, contaminants, or natural gas products already in the environment such that there might be uncontrolled or unpermitted releases?	<input type="radio"/>	<input checked="" type="radio"/>
Would the proposed action have the potential to cause significant impacts on environmentally sensitive resources? See examples in Appendix B(4) to Subpart D of 10 CFR 1021.	<input type="radio"/>	<input checked="" type="radio"/>
Would the proposed action involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, such that the action is not contained or confined in a manner designed, operated, and conducted in accordance with applicable requirements to prevent unauthorized release into the environment?	<input type="radio"/>	<input checked="" type="radio"/>
If "No" to all questions above, complete Section V, and provide NRSF to DOE NCO for review. If "Yes" to any of the questions above, contact DOE NCO for additional NEPA review.		

NEPA REVIEW SCREENING FORM 3A
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V. Responsible Organization's Signatures:

Initiator:

Jerry W. Cammann, MSA NEPA-SME
Print First and Last Name

Jerry W. Cammann
Signature

8/15/2018
Date

Cognizant Program/Project Representative:

Chris P. Yaroch, DOE-RL/SESI
Print First and Last Name

Chris Yaroch
Signature

8/16/2018
Date

VI. DOE NEPA Compliance Officer Approval/Determination:

Based on my review of information conveyed to me concerning the proposed action, the proposed action fits within the specified

CX(s): Yes No

Diori L. Kreske, DOE-NCO
Print First and Last Name

Diori Kreske
Signature

8/28/18
Date

NCO Comments:

Figure 1. Hanford Fire Department Station 92 Location Map

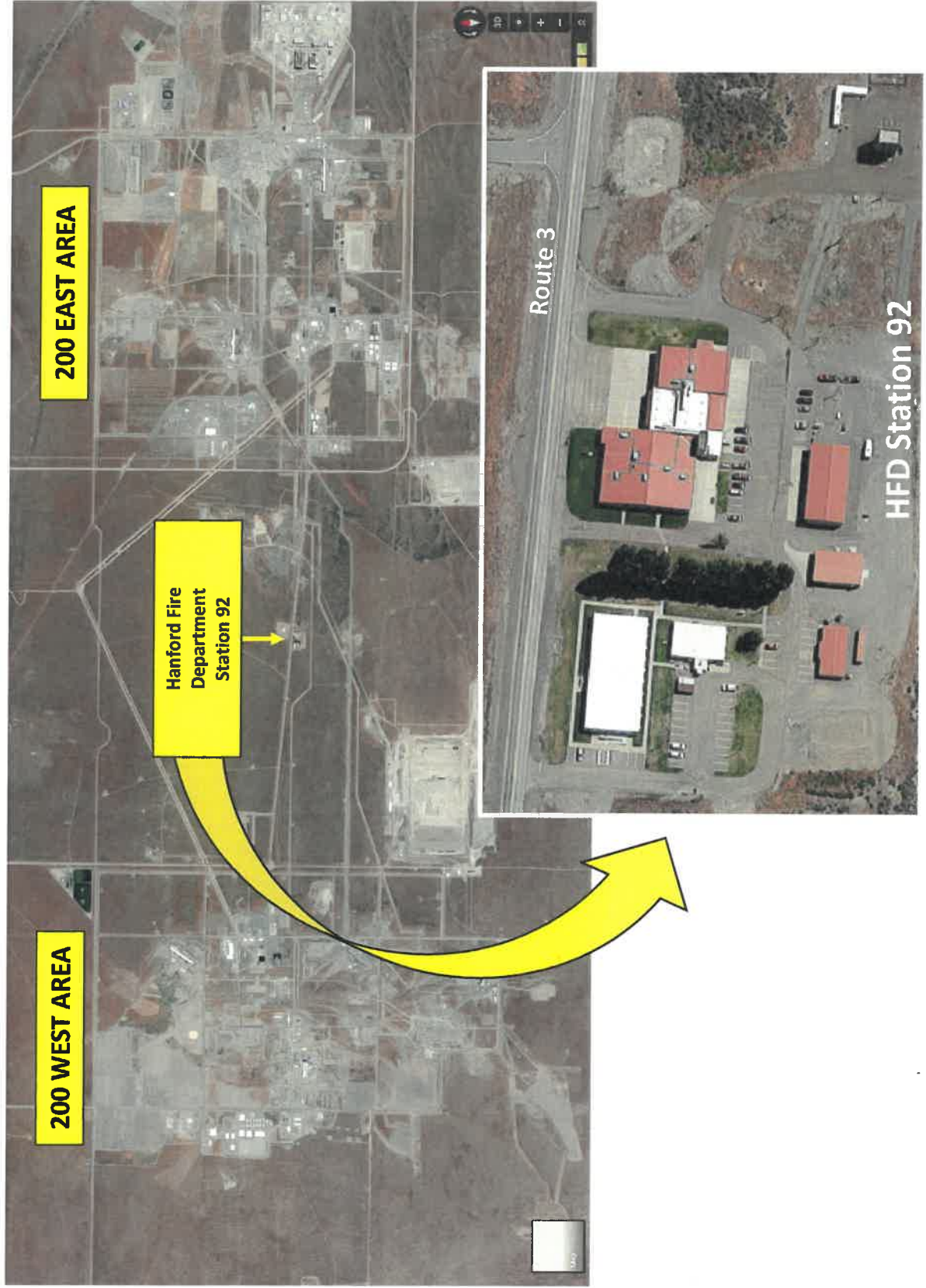


Figure 2. Proposed New Expansion Area on the West Side of Station 92

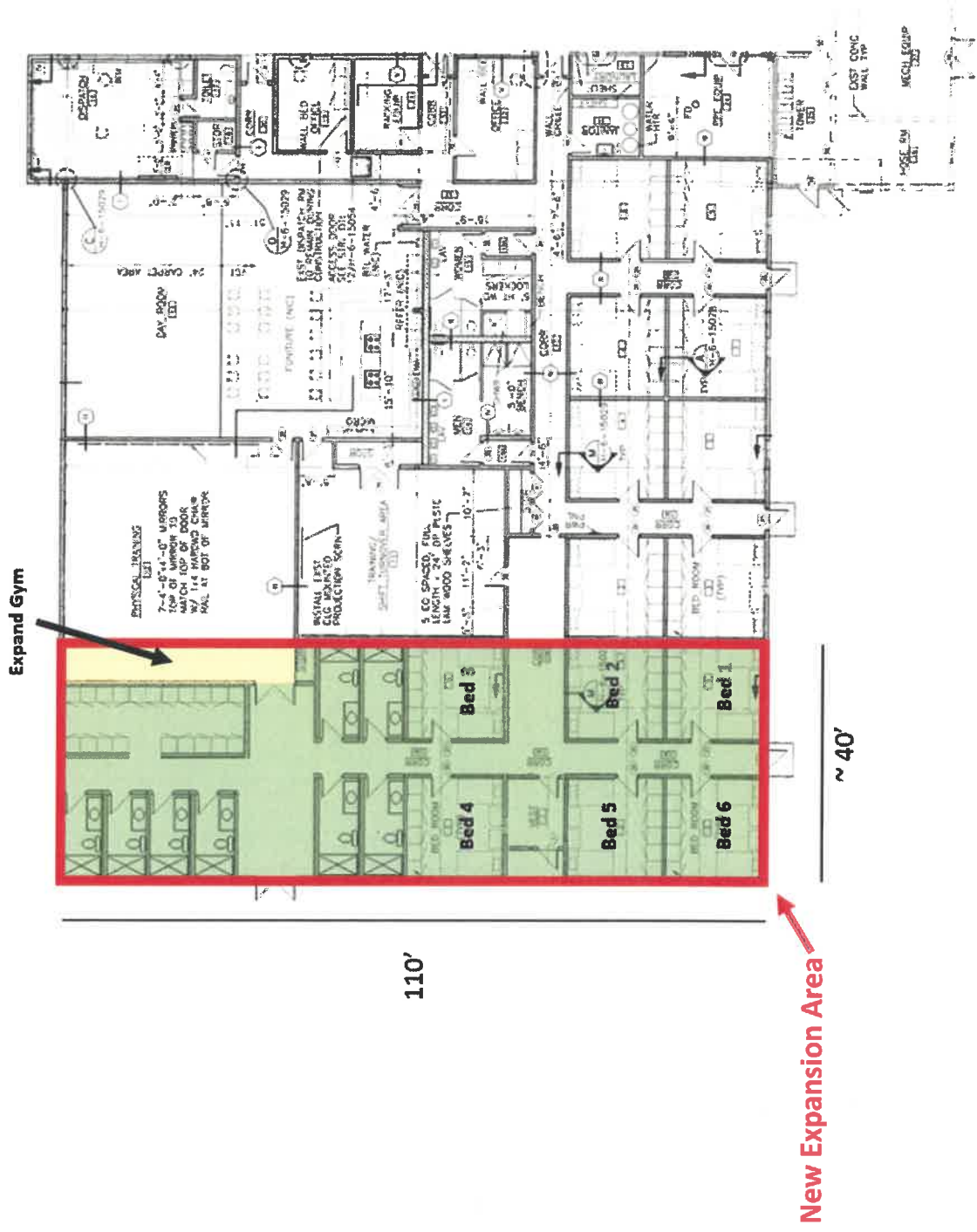
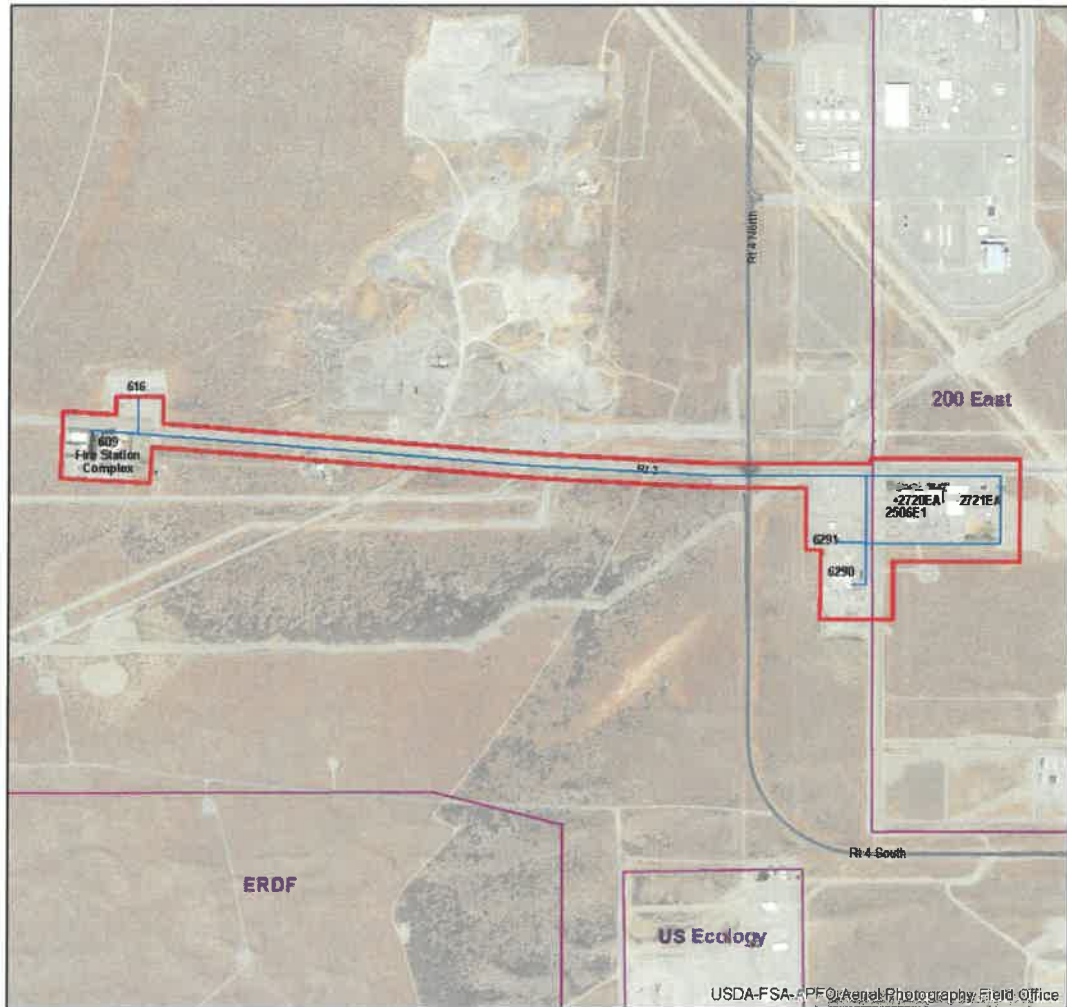


Figure 3. Proposed Expansion Area and Equipment Storage High-Bay at Station 92



Figure 4. Area of Potential Effects for Sewer System Modifications



LEGEND

- Area of Potential Effect (APE)
- Proposed Sewer Upgrades
- Hanford Site Areas

Gable Butte, WA 7.5' USGS Quad
Township 12 N Range 26 E
Sections 3, 4, 5 & 10

NOTES: Aerial Image, 2017, NAIP.



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Detail of Area of Potential Effect (APE)
HCR#2018-600-005 | ECR-2018-620
Hanford Site, Benton County, Washington