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Westinghouse Hanford Company Implementation Plan for DOE Order 5480.28, Natural Phenomena Hazards Mitigation

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EXECUTIVE SUMMARY

Natural phenomena hazards (NPH) are unexpected acts of nature that pose a threat or danger to workers, the public or to the environment. Earthquakes, extreme winds (hurricane and tornado), snow, flooding, volcanic ashfall, and lightning strike are examples of NPH at the Hanford Site.

It is the policy of the U.S. Department of Energy (DOE) to design, construct, and operate facilities so that workers, the public, and the environment are protected from NPH and other hazards. During 1993, the DOE Richland Operations Office (RL) transmitted DOE Order 5480.28, Natural Phenomena Hazards Mitigation, to Westinghouse Hanford Company (WHC) for compliance. The order includes rigorous new NPH criteria for the design of new DOE facilities as well as for the evaluation and upgrade of existing DOE facilities. Criteria and requirements are contained in the order and in five applicable standards, the last of which, DOE-STD-1023, was released in fiscal year 1996.

The order becomes enforceable for new structures, systems, and components (SSCs) following issue of WHC-CM-1-12, Engineering Design and Evaluation. The order also requires that commitments addressing existing SSCs be included in an implementation plan that is due one year following the in-force date. The RL notified WHC that the in-force date is May 15, 1996 (Kellogg).

In 1995, DOE Order 420.1, Facility Safety, was issued. This order contains the same NPH requirements and invokes the same applicable standards as DOE Order 5480.28. It will supersede DOE Order 5480.28 when an in-force date for DOE Order 420.1 is established through contract revision.

The WHC is implementing a phased and graded approach for compliance with DOE Order 5480.28. Activities will be planned and accomplished in four phases.

- Mobilization. Development of NPH structural design criteria for new and existing facilities.
- Prioritization. Prioritization of existing facilities, issue of the implementation plan required by DOE Order 5480.28, and compliance for new facilities.
- Evaluation. Evaluation of NPH vulnerability of the most important existing facilities (based on the existing facility prioritization).
- Upgrade. Upgrade of facilities, if necessary, when justified by a risk-benefit analysis.

The planned activities; as well as the level of depth, rigor, and thoroughness in accomplishing them; are determined by applying a graded approach. The basis for the graded approach is the designation of facilities/structures into one of five performance categories based on safety function, mission, and cost.

The mobilization phase has been completed with the draft of WHC-CM-1-12. This implementation plan develops the program for the prioritization phase and a strategy for the implementation of DOE Order 5480.28. At the end of the prioritization phase, this plan will be upgraded to include a prioritized list of existing buildings and structures due for future NPH evaluation and will be submitted to RL for approval.

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NOTE: The Appendix is reserved for facility-specific prioritized schedules for the NPH evaluations of existing facilities and the results of these NPH evaluations as they are funded and completed.

TABLES

LIST OF ACRONYMS AND TERMS

Acronym	Term
ACI	American Concrete Institute
AISC	American Institute of Steel Construction
ANSI	American National Standards Institute
ASME	American Society of Civil Engineers
ATC	Applied Technology Council
BCSR	Boeing Computer Services Richland
DNFSB	Defense Nuclear Facilities Safety Board
DOE	U.S. Department of Energy
FEMA	Federal Emergency Management Agency
FFTF	Fast Flux Test Facility
FSSF	Fuel Supply Shutdown Facility
FY	Fiscal Year
HC	Hazard Category
HH	High Hazard facility
ICF KH	ICF Kaiser Engineers Hanford Company
LH	Low Hazard facility
MH	Medium Hazard facility
NPH	Natural Phenomena Hazard
NSRC	Nuclear Safety Regulatory Compliance
PC	Performance Category
PFP	Plutonium Finishing Plant
PUREX	Plutonium-Uranium Extraction Facility
RL	Richland Operations Office of the DOE
SAR	Safety Analysis Report
SC	Safety Class
SNFP	Special Nuclear Fuels Project
SSC	Structures, Systems, and Components
STD	DOE Standard
SWOC	Solid Waste Operations Complex
TBD	To Be Determined
TWRS	Tank Waste Remediation System
UBC	Uniform Building Code
WESF	B Plant/Waste Encapsulation Storage Facility
WHC	Westinghouse Hanford Company
WHF	340 Waste Handling Facility
WCT	Westinghouse Commitment Tracking

WESTINGHOUSE HANFORD COMPANY IMPLEMENTATION PLAN FOR DOE ORDER 5480.28, NATURAL PHENOMENA HAZARDS MITIGATION

1.0 IMPLEMENTATION PLAN SUMMARY

1.1 INTRODUCTION

In 1993, the U.S. Department of Energy (DOE), Richland Operations Office (RL) transmitted DOE Order 5480.28 to Westinghouse Hanford Company (WHC) for compliance. The order was reviewed. However, compliance requirements could not be determined, because "The order becomes immediately in force at the effective date of the last applicable standard." In 1993, the last of five applicable standards had not been issued. The applicable standards identified in the order and their release dates are:

DOE-STD-1020-94, *"Natural Phenomena Hazards Design and Evaluation Criteria for DOE Facilities,"* (April 1994).

DOE-STD-1021-93, *"Natural Phenomena Hazards Performance Categorization Guidelines for Structures, Systems, and Components,"* (July 1993).

DOE-STD-1022-94, *"Natural Phenomena Hazards Site Characterization Criteria,"* (March 1994).

DOE-STD-1023-95, *"Natural Phenomena Hazards Assessment Criteria,"* (dated September 1995, released on the Internet October 1995).

DOE-STD-1024-92, *"Guidelines for Use of Probabilistic Seismic Hazard Curves at Department of Energy Sites,"* (December 1992).

On October 7, 1993 WHC (Knoll-1) notified RL that WHC would begin to assess compliance status after DOE Order 5480.28 became effective; that is, on issue of the last applicable standard. It was also recommended that the order and applicable standards be implemented as an integrated package and that implementation be performed in phases to assure cost-effective compliance.

The last applicable standard, DOE-STD-1023-95, was issued in fiscal year (FY) 1996. The RL notified WHC that the in-force date is May 15, 1996 (5-6-96, Kellogg). However, WHC (6-13-96, Knoll-3) requested that the effective date for new SSCs be delayed until DOE approved the Hanford Site recently developed probabilistic seismic hazards analyses (Tallman-1).

In 1995, DOE Order 420.1 was issued. This order contains the same natural phenomena hazards (NPH) mitigation requirements and invokes the same applicable standards as DOE Order 5480.28. This new order will supersede DOE Order 5480.28 when an in-force date for the new order is established through contract revision.

1.2 BACKGROUND

It is the policy of the DOE to design, construct, and operate facilities so that onsite workers, the public, and the environment are protected from NPH. The NPH are unexpected acts of nature which may pose a threat or danger to workers, the public, or to the environment. Examples of NPH at the Hanford Site are earthquakes, extreme winds (hurricane and tornado), snow, flooding, volcanic ashfall, and lightning strike. The WHC has initiated a phased and graded approach program for compliance with DOE Order 5480.28. Activities are planned to be accomplished in four phases.

- Mobilization. Development of NPH structural design criteria for new and existing facilities.

- Prioritization. Prioritization of existing facilities, issue of the implementation plan required by DOE Order 5480.28, and compliance for new facilities.

- Evaluation. Evaluation of NPH vulnerability of the most important existing facilities (based on the existing facility prioritization).

- Upgrade. Upgrade of facilities, if necessary, when justified by a risk-benefit analysis.

Planned activities and the level of depth, rigor, and thoroughness in accomplishing them are determined by applying a graded approach. The basis for the graded approach is the designation of facilities/structures into one of five performance categories based on safety function, mission, and cost.

The mobilization phase is completed with the preparation of WHC-CM-1-12. The WHC-CM-1-12 manual will be issued for use following the approval by DOE of the site seismic hazard curves. This implementation plan develops the program for the prioritization phase, as well as an overall strategy for the implementation of DOE Order 5480.28 and meeting nuclear safety requirements. At the end of the prioritization phase, this plan will be upgraded to include a prioritized schedule for NPH evaluation of existing buildings and structures and will be submitted to RL for approval. Appendix A contains a preliminary list of buildings that will be the repository for data used in the prioritization task.

In the fall of 1993, while waiting receipt of the last DOE standard, WHC initiated a program of NPH awareness to alert staff of the pending compliance requirements of DOE Order 5480.28. Presentations were made throughout the Hanford Site to project and program personnel, the WHC Operations Excellence Council, and staff from RL. Articles in the Hanford Reach discussed the potential impact of the order. The development of agreements and understandings on NPH mitigation were completed at this time. The more important of these were:

- Concurrence of RL on an interpretation of new versus existing facilities (Wise-1).

- A proposed correlation between WHC safety class and NPH performance category (PC) (Webb, Conrads).

In October 1995, the last applicable standard, DOE-STD-1023-95, was issued over the Internet, and it became evident DOE Order 5480.28 would soon be effective. Since the order becomes enforceable for new structures, systems, and components (SSCs) following the in-force date, efforts have been concentrated on development of structural design and evaluation criteria to replace the site design criteria embodied in the Hanford Plant Standards, Standard Design Criteria SDC-4.1.

In addition to the structural design and evaluation criteria development, including NPH loads (Conrads-3 and -4), the following plans, studies, and procedures have been issued during the mobilization phase.

- Probabilistic NPH assessment, characterization, and criteria for the Hanford Site (Tallman-1 and -2, and Conrads-2).
- NPH detection plans for the seismic monitoring of the Hanford Site (Reidel, Moore).
- A procedure for prioritization of NPH evaluations for existing DOE facilities (Conrads-5).
- Engineering change notices modifying present WHC Hanford Site emergency response plans and procedures and incorporating post-NPH requirements of DOE Order 5480.28 [(Section 10.d(1)].
- WHC-SD-SQA-CSWD-501, Rev 0, "DOE Order 5480.28 Hanford Facilities Database" has been issued. A preliminary database output of the initial structure/facility list is included as Appendix A. It will be used to document the data gathered during the prioritization phase.

The prioritization phase for DOE Order 5480.28 has been initiated. During this phase, existing DOE buildings and structures operated by WHC and its subcontractors will be ranked in terms of their importance and NPH vulnerability. Based on this ranking, a prioritized list for the future NPH evaluation of existing buildings and structures will be included in an implementation plan to be submitted to the DOE for approval within one year of the in-force date of the order. The implementation plan will contain NPH evaluation commitments in addition to formulation of the overall strategy for implementing DOE Order 5480.28.

The implementation plan will be updated every year thereafter until Hanford Site compliance with the order is achieved.

1.3 SIGNIFICANT NEW ACTIVITIES

No new programs are anticipated. The following new activities are associated with the phased implementation of this plan.

Mobilization Phase. This phase has been completed. (See paragraph 1.2.)

Prioritization Phase. As described in Section 8.0, prioritization includes a screening to identify sites of greatest vulnerability to NPH

effects and to existing buildings and structures of importance in terms of safety, mission, and cost to refurbish. To facilitate scheduling future NPH evaluations, these important buildings and structures are then prioritized, based on PC, occupancy considerations, facility condition, and existing analyses. Facilities with low NPH vulnerability due to inherent ruggedness or benign site conditions are eliminated from further consideration. Estimates of the resources required to evaluate the effects of an NPH event will be prepared for existing facilities of greatest importance and greatest NPH vulnerability. During the prioritization phase, a NPH detection plan and post-NPH inspection procedures will be implemented.

Evaluation Phase. In the order of prioritization and at the pace of funding availability, important buildings and structures will be evaluated to determine NPH capability in accordance with WHC-CM-1-12, (Conrads-4). Resource estimates comparing the cost of upgrading with other mitigating actions will be made for any facility deemed vulnerable.

Upgrade Phase. Existing buildings and structures shown to be vulnerable to NPH will be either upgraded or other mitigating actions will be taken to reduce risks from NPH events, depending on funding availability.

1.4 ADDITIONAL FUNDING REQUIREMENTS

Implementation of DOE Order 5480.28 represents additional workscope not included in current work plans. Mobilization has been funded through overhead accounts. However, formal authorization of additional funding and/or deferral of present workscope will be necessary for the prioritization, evaluation, and upgrade phases.

Estimates of additional funding and resource needs are in Section 9.0. Approximate expenditures spent or needed for the mobilization and prioritization phases are:

Phase	FY 96	FY 97	Status
Mobilization	$465,000		Spent
Prioritization		$604,000	Needed

At the completion of the prioritization phase this implementation plan will be revised to identify the source of funds and funding requirements by fiscal year for the evaluation phase.

During the evaluation and upgrade phases the implementation plan will be revised each year to identify the source of funds and funding requirements by fiscal year for the facilities/SSCs recommended for upgrade.

1.5 IMPACT ON OTHER PROGRAMS

Impacts of NPH mitigation on other programs and plans for compensatory actions, if required, are in Section 12.0. Except for reallocation of funding, existing programs will not be affected by implementation of

DOE Order 5480.28 until the upgrade phase. Future revisions to the implementation plan will describe the impact of any recommended upgrades.

1.6 ASSUMPTIONS AND CONSTRAINTS

The implementation plan assumes the additional funding identified in paragraph 1.4 will be authorized as required. No other constraints are known at present.

Future revisions to the implementation plan will identify any changes in assumptions and constraints.

1.7 AREAS CURRENTLY IN FULL COMPLIANCE

New facilities, as defined in paragraph 2.4, and new modifications to existing facilities are being designed in accordance with WHC-CM-1-12 (Conrads-4) and are in compliance with DOE Order 5480.28.

1.8 REQUESTS FOR EXEMPTIONS, DEVIATIONS, AND WAIVERS

No exemptions, deviations, or waivers are requested at this time. During the prioritization, evaluation, and upgrade phases, conditions may be discovered that warrant an exemption, deviation, or waiver.

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2.0 GENERAL INFORMATION

2.1 SCOPE OF THE IMPLEMENTATION PLAN

This implementation plan encompasses all DOE new and existing facilities/SSCs on the Hanford Site under the management and control of the WHC, ICF Kaiser Engineers Hanford Company (ICF KH), or Boeing Computer Services Richland (BCSR).

2.2 CONTENT AND FORMAT OF THE PLAN

The content and format of this plan follows the guidance provided in DOE-STD-1082-94, "Preparation, Review, and Approval of Implementation Plans for Nuclear Safety Requirements." The content of the plan addresses the requirements of DOE Order 5480.28.

The table of contents provides an overview of the organization of the plan. Terminology and section headings adhere to Standard 1082. Executive summary, list of acronyms and terms, and reference sections are added to facilitate reading. Appendices are reserved for facility-specific data and are organized in alpha-numeric order by contractor and program.

2.3 CONTRACTORS AND PROGRAMS INVOLVED

Programs with DOE facilities under the management and control of WHC are:

- B Plant/Waste Encapsulation Storage Facility (WESF)
- Fast Flux Test Facility (FFTF)
- Fuel Supply Shutdown Facility (FSSF)
- K Basins
- Plutonium Finishing Plant (PFP)
- Plutonium-Uranium Extraction Facility (PUREX)
- Solid Waste Operations Complex (SWOC)
- Special Nuclear Fuels Project (SNFP)
- Tank Waste Remediation System (TWRS)
- UO_3 Facility
- 222-S Laboratory
- 308 Building
- 340 Waste Handling Facility (WHF).

In addition to the major facilities operated by WHC programs, there are a large number of general-purpose and other buildings and structures for which ICF KH is the responsible landlord. For administrative purposes, ICF KH has divided these buildings and structures into two groups, those north of the Hanford Wye barricade and those south of the Hanford Wye barricade.

The BCSR operates and maintains equipment within DOE facilities but has no responsibility for any DOE building or structure.

2.4 NEW FACILITIES

For the purpose of this plan, the following definition of a new facility/SSC was developed (Wise-1) with the concurrence of the RL contracting officer.

A new facility/SSC is one in which conceptual design is started after the effective date of DOE Order 5480.28. Facilities/SSCs in the planning, engineering study, and preconceptual design stage on or after the effective date of DOE Order 5480.28 are new facilities/SSCs. Facilities/SSCs that have started conceptual design prior to the effective date of DOE Order 5480.28 are existing facilities/SSCs.

It has also been recommeded by WHC (Wise-2) that the effective date be defined as 60 days following the issue of WHC-CM-1-12.

All requirements of the order are in force for new facilities/SSCs. New facilities/SSCs and new modifications to existing facilities/SSCs shall be designed in accordance with WHC-CM-1-12 (Conrads-4), which implements and complies with DOE Order 5480.28.

New facilities/SSCs and modifications to existing facilities/SSCs, that is those that have started conceptual design since the effective date of the order, are presently shown as to be determined (TBD) in Table 2-1. The table will be completed and verified during the prioritization phase and will be updated with each subsequent revision of this implementation plan.

2.5 EXISTING FACILITIES

Existing facilities at Hanford include both nuclear and non-nuclear facilities in various stages of design, construction, operation, and decommissioning. Initial implementation activities will be directed at identifying existing buildings and structures of greatest importance and NPH vulnerability. Based on prioritization requirements of DOE Order 5480.28, Section 11.a(5), the following definition is used in this plan.

An important existing facility is any existing, free-standing building or structure that is important in terms of safety, mission, or cost. These are designated by PC as either PC4 (most important), PC3, PC2, or PC1 (least important). Unimportant facilities are designated PC0 and meet all of the following screening criteria:

- *No hazardous materials*
- *No permanent occupants*
- *No present or future mission*
- *No intent to restore or replace.*

The "FacilitiesCORE" and "Richland Labs Property System (RLPS)" databases have been used to create a database of existing Hanford Site structures and/or facilities. This database, Hanford facilities site database (HFSD) (Hayenga), provides the basis for the implementation and completion of the prioritization phase. This will include identification of sites of greatest NPH vulnerability and tabulation of the building and structure PC, occupancy

status, facility condition, and existing structural analysis. The HFSD will be used to include the basis for evaluation and prioritization as well as the results of the evaluation and prioritization.

In order to provide a basis for planning the prioritization phase, a preliminary inventory of the existing buildings and structures has been prepared. Table 2-2 shows the proposed contractors, programs, and name/type and number of existing buildings and structures. Important facilities that are identified are Safety Class 1 or 2 and described by safety analysis reports as reported in WHC-SP-1164 (Busche). Designation of TBD indicates the correct number is not presently known. These numbers will be identified during the prioritization phase.

Table 2-1. List of New Facilities/SSCs.

CONTRACTOR	PROGRAM	NEW FACILITY/SSC or MODIFICATION TO EXISTING FACILITY/SSC..... (Conceptual Design starts after ___??___)	CONCEPTUAL DESIGN START
WHC		TBD	
ICF KH	LANDLORD		

Table 2-2 is provided only for planning purposes. The table will be completed and verified during the prioritization phase.

Table 2-2. Preliminary Inventory of Existing Buildings and Structures.

CONTRACTOR	PROGRAM	EXISTING BUILDINGS/STRUCTURES		
		NAME/TYPE	IMPORTANT	OTHER
WHC	B Plant	WESF	1	
		Support facilities	TBD	TBD
	FFTF	FFTF	1	
		FMEF	1	
		FSF	1	
		MASF	1	TBD
		Support facilities	TBD	
	FSSF	313 and 333	2	
		Support facilities	TBD	TBD
	K Basins	105 KE/KW	2	
		Support facilities	TBD	TBD
	PFP	234,236,241,291,2736-Z	9	
		Support facilities	TBD	TBD
	PUREX	202-A	1	
		Support facilities	TBD	TBD
	SWOC	Central Waste Complex	46	
		224-T TRUSAF	1	
		221-T, 2706-T plant	2	
		SW Burial Grounds	TBD	
		Support facilities	TBD	TBD
	SNFP	Canister Storage Bldg	1	
		Support facilities	TBD	TBD
	TWRS	Waste tanks SS	TBD	
		Waste tanks DS	TBD	
		Waste tanks AW	TBD	
		242 Evaporators	3	
		Grout facility	1	
		Support facilities	TBD	TBD
	UO_2 Facility	2714-U	1	
		Support facilities	TBD	TBD
	222-S Lab	222-S building/WSCF	1	
		Support facilities	TBD	TBD
	308 Annex	Fuel Storage Annex	1	
		308 building	1	
		Support facilities	TBD	TBD
	340 WHF	340 Waste Handling Fac.	1	
		Support facilities	TBD	TBD
ICF KH	LANDLORD	North of Wye Barricade	TBD	TBD
		South of Wye Barricade	TBD	TBD
ESTIMATED TOTAL 1300			TBD	TBD

3.0 APPLICABILITY OF DOE REQUIREMENTS

DOE Order 5480.28 contains the requirements of the DOE addressed in this implementation plan. The order in turn expands on and complies with the Earthquake Hazards Reduction Act of 1977, as amended (42 U.S. Code 7701 *et seq*), and Executive Order 12699 on Seismic Safety (1-5-90).

In addition to the primary requirements contained in DOE Order 5480.28, there are several second-tier requirement and guide documents cited in the order and in this implementation plan. These second-tier documents are discussed in Section 4.0.

DOE Order 5480.28 contains 46 specific requirements. Each requirement and its status are in Table 3-1, the master compliance matrix. For each requirement the table identifies:

- Applicable section of DOE Order 5480.28
- Text of the requirement quoted from the order
- Type of WHC facility affected (new or existing, etc.)
- WHC document implementing and controlling compliance
- Requirements for which compliance has been achieved.
- Schedule for achieving compliance
- Exemptions, planned or requested
- Need for additional funding.

Requirements are imperative statements commanding or ordering that something be done or that a mandatory condition be achieved. In Table 3-1, each requirement is identified by a bullet, and the imperative word (usually "shall") in the statement is underlined.

3.1 APPLICABLE REQUIREMENTS AND PROPOSED EXEMPTIONS

No exemptions are requested at this time. During the prioritization, evaluation, and upgrade phases, conditions may be discovered that warrant exemptions. If an exemption or deviation is requested in the future, the request will comply with requirements of Section 9.0. of the order.

3.2 REQUIREMENTS THAT ARE NOT APPLICABLE AND JUSTIFICATION

Two requirements [contained in Section 10.c(1) of the order] do not presently apply to this implementation plan. These requirements deal with the NPH assessments and siting of new sites and are not in the planned or contract scope of work for WHC, ICF KH or BCSR. These two requirements are marked "does not apply" in Table 3-1 and are also highlighted by gray shading.

During the prioritization, evaluation, and upgrade phases, some other requirements may be found to be not applicable. Justification will be included in the revisions to this implementation plan for any additional requirements found to be not applicable.

3.3 APPLICABLE REQUIREMENTS AND ACHIEVED COMPLIANCE

During the mobilization phase, compliance was achieved for 32 procedure requirements. Requirements for which compliance has been achieved are designated in Table 3-1 with a "yes" in the fifth column and are also highlighted with gray shading.

Procedural requirements constrain the way actions shall be done. Compliance is considered achieved when governing procedures are in place, required studies are completed, or a mandatory condition is achieved. Implementation of procedures and updating of studies may be a continuing activity while Hanford is an active site and the order remains in force. Continuing activities normally require additional funding over what would be required prior to the order coming in force.

Additional funding associated the NPH mitigation of new facilities/SSCs, or new modifications to existing facilities/SSCs, will be budgeted and requested on a per-case basis by the responsible programs and will not be reported in this implementation plan.

All other additional funds associated with mobilization, prioritization, evaluation, and upgrade (retrofit) will be reported in this implementation plan. A "yes" in the right column of Table 3-1 indicates that additional funding is expected to be needed and will be reported in this implementation plan.

3.4 APPLICABLE REQUIREMENTS AND PLANNED COMPLIANCE

The remaining 12 requirements are facility specific. Compliance with these requirements is planned during the prioritization, evaluation, and upgrade phases. During these phases, the requirements of DOE Order 5480.28 that are applicable to the buildings and structures under the management of WHC, ICF KH, and BCSR will be implemented. Progress in complying with facility-specific requirements is documented in appendices to this implementation plan and is discussed in Section 5.0.

Table 3-1. Master Compliance Matrix for DOE Order 5480.28.

DOE 5480.28 Paragraph	DOE 5480.28 Requirements	Affected Facilities	Implementing Documents	Compliance Achieved	Compliance Schedule	Waiver Needed	Additional Funds
3a Policy	• For nuclear facilities, DOE additionally requires that the nuclear safety policy of DOE 5480.23 and Secretary of Energy Notice (SEN), SEN-35-91, NUCLEAR SAFETY POLICY, of 9-9-91, be met for NPH mitigation, and that cost effectiveness is considered.	All WHC nuclear facilities	WHC-SP-1164	No	TBD	No	Yes
7f Definitions (Function)	• Maintaining function after NPH occurrence is required by this Order for SSCs important to safety, and to minimize property losses based on cost benefit considerations.	All WHC facilities	WHC-CM-4-46 WHC-CM-1-12	No	TBD	No	Yes
9 Exemptions/ Deviations	• Nothing in this Order shall preempt the specific requirements contained in other DOE directives relative to their processes and procedures for requesting exemptions and deviations.	All WHC facilities	WHC-SP-1175	Yes	Completed	No	No
	• Exemptions and deviations must be documented in writing and must include an adequate basis justifying the action. *(If a waiver or deviation is required, additional requirements are found in 9a through 9b(6).)*	All WHC facilities	WHC-SP-1175	Yes	Continues	No	Yes
10 Requirements	• The requirements provided in this Order shall be used in conjunction with the General Design Criteria *in DOE 6430.1A and other Departmental Design* Criteria as applicable.	All WHC facilities	WHC-CM-1-12	Yes	Completed	No	No
10a(1) Design/ Evaluations (General)	• Structures, systems, and components (SSCs) shall be designed and constructed to withstand the effects of NPH.	All WHC facilities	WHC-CM-1-12	No	TBD	No	Yes
	• NPH design and evaluation criteria for SSCs for earthquake, wind, and flood shall be used for DOE laboratories, reservations, and production facilities.	All WHC facilities	WHC-CM-1-12	No	TBD	No	Yes

Table 3-1. Master Compliance Matrix for DOE Order 5480.28.

DOE 5480.28 Paragraph	DOE 5480.28 Requirements	Affected Facilities	Implementing Documents	Compliance Achieved	Compliance Schedule	Waiver Needed	Addtional Funds
10a(1) Continued	• UCRL-15910 shall be used until a DOE standard is issued.	All WHC facilities	WHC-CM-1-12	Yes	Completed	No	No
	• It is the intent of this Order to conform to and/or use national consensus codes and standards wherever practicable. Thus, where appropriate DOE criteria and standards are not available (e.g., for electrical transmission and distribution systems or dams) or for other DOE facilities, applicable National, Federal, or industry consensus codes, standards, manuals of practice, or model building codes shall be deemed acceptable to meet the intent of this Order.	All WHC facilities	WHC-CM-1-12	Yes	Continues	No	No
10a(2) New Facilities (General)	• SSCs shall be designed to be in compliance with paragraph 10a(1).	All WHC new facilities	WHC-CM-1-12	Yes	Continues	No	No
10a(3) Addition/ Modifiction (General)	• Additions and modifications shall not degrade the safety or function of the existing SSCs to the extent that performance goals cannot be achieved.	All WHC existing facilities	WHC-CM-1-3 WHC-CM-1-12	Yes	Continues	No	No
	• Additions and modifications to existing SSCs shall be designed and constructed to comply with paragraph 10a(1).	All WHC existing facilities	WHC-CM-1-12	Yes	Continues	No	No
10a(4)(a) Evaluate Existing Facilities	• SSCs shall be reevaluated in accordance with the requirements of paragraph 10a(1) under the following circumstances: 1. The SSC was designed and constructed without adequate NPH design and construction standards. 2. The function of the SSC has changed to a PC with more stringent NPH requirements such as when the SSC is identified as important to safety through upgrades to the facility SAR. 3. There has been significant change in understanding that results in an increase in the site NPH hazards. 4. When a SSC has been subjected to an unresolved safety question and requires evaluation. 5. A significant physical change in the SSC has been caused by an addition, a modification, deterioration, or a damaging NPH event.	All WHC existing facilities	WHC-CM-1-12 WHC-SP-1175	No	TBD	No	Yes

Table 3-1. Master Compliance Matrix for DOE Order 5480.28.

DOE 5480.28 Paragraph	DOE 5480.28 Requirements	Affected Facilities	Implementing Documents	Compliance Achieved	Compliance Schedule	Waiver Needed	Additional Funds
10a(4)(b) Implement w/Existing	• The contractor/operator shall establish an implementation plan for evaluating and upgrading existing SSCs.	All WHC existing facilities	WHC-SP-1175	Yes	Continues	No	Yes
10a(4)(c) Evaluation/ Upgrade (General)	• The implementation plan for evaluation and upgrade of SSCs shall be consistent with ICSSC RP-3 and meet the provisions thereof, as a minimum.	All WHC existing facilities	WHC-SP-1175	Yes	Completed	No	No
	• The detailed requirements for evaluation and upgrade of SSCs for life safety considerations will be consistent with the final consensus standards from this committee (the implementing committee, the Interagency Committee on Seismic Safety in Construction (ICSSC), as illustrated in ICSSC RP-3).	All WHC existing facilities	WHC-CM-1-12	Yes	Completed	No	No
10a(4)(d) Retrofit (General)	• Retrofit of existing DOE facilities for NPH effects shall be conducted in accordance with DOE backfit policy, DOE N 5480.5.	All WHC applicable existing facilities	WHC-CM-1-3 WHC-SP-1175	Yes	Continues	No	Yes
10a(5) Interaction (General)	• Potential damage and failure of SSCs due to both direct NPH effects and NPH response of adjacent SSCs (interaction) shall be considered.	All WHC facilities	WHC-CM-1-3 WHC-CM-1-12	TBD	TBD	No	Yes
10a(6) Common Cause (General)	• The occurrence of a NPH event, especially earthquake, affects many or all SSCs in a facility. Hence, it is possible to have multiple NPH-induced failures of SSCs. These common cause effects must be considered in design or evaluation.	All WHC facilities	WHC-CM-1-3 WHC-CM-1-12	TBD	TBD	No	Yes
10b(1) Graded Approach	• Paragraph 10a(1) shall be satisfied using a graded approach.	All WHC Facilities	WHC-CM-1-12	Yes	Continues	No	Yes

Table 3-1. Master Compliance Matrix for DOE Order 5480.28.

DOE 5480.28 Paragraph	DOE 5480.28 Requirements	Affected Facilities	Implementing Documents	Compliance Achieved	Compliance Schedule	Waiver Needed	Additional Funds
10c Assessment of NPH	• The NPH design and evaluation requirements given in this Order require a probabilistic assessment of the likelihood of future NPH occurrence.	All WHC facilities	WHC-SD-W236A -TI-002 WHC-SD-GN -TI-501	Yes	Completed	No	No
	• The level of probabilistic NPH assessment to be conducted will be appropriate for the performance categories being considered in a manner consistent with the graded approach.	All WHC facilities	WHC-SD-W236A -TI-002 WHC-SD-GN -TI-501	Yes	Completed	No	No
	• For sites containing facilities with SSCs in Performance Categories 3 and 4, a site-specific probabilistic NPH assessment shall be conducted in accordance with the applicable DOE standard.	All WHC PC34 facilities	WHC-SD-W236A -TI-002 WHC-SD-GN -TI-501	Yes	Completed	No	No
	• For sites which have site-specific probabilistic NPH assessments, the SSCs in Categories 1 and 2 shall be evaluated or designed for the greater of the site specific values or the model code values unless site specific values are lower and can be justified.	All WHC PC12 facilities	WHC-CM-1-12	Yes	Completed	No	No
10c(1)(a) Assessment of NPH (New Sites)	• For a new site, containing SSCs in Performance Categories 3 and 4 which have performance goals more stringent than that provided by model building code provisions, a site-specific probabilistic NPH assessment shall be conducted in accordance with the applicable DOE standard.	DNA	DNA	DNA	DNA	No	No
	• This NPH assessment shall include adequate site-specific information.	DNA	DNA	DNA	DNA	No	No
10c(1)(b) NPH Assessment of New Sites	• Site planning must consider all consequences of NPH.	DNA	DNA	DNA	DNA	No	No
	• In addition, structures shall not be sited within flood plains where flood water depth and other flood effects at an annual probability of exceedance equal to or greater than the performance goal can adversely affect structure performance unless structure protection is provided (e.g., levees, or dikes).	DNA	DNA	DNA	DNA	No	No
	• Special attention shall be given to sites potentially subject to flooding from upstream dams or reservoirs including earthquake caused failures.	DNA	DNA	DNA	DNA	No	No

Table 3-1. Master Compliance Matrix for DOE Order 5480.28.

DOE 5480.28 Paragraph	DOE 5480.28 Requirements	Affected Facilities	Implementing Documents	Compliance Achieved	Compliance Schedule	Waiver Needed	Additional Funds
10c(2) NPH Assessment of Existing Sites	• For an existing site, if there are significant changes in NPH assessment state-of-the-art or site-specific information, the probabilistic NPH assessments shall be updated.	All WHC existing facilities	WHC-SP-1175	Yes	Continues	No	Yes
	• If SSCs of Performance Categories 3 and 4 are constructed or installed at an existing site which previously only had PC1 and PC2 SSCs and/or which did not have a site-specific probabilistic NPH assessment, a probabilistic site-specific NPH assessment shall be performed.	All existing WHC PC34 facilities	WHC-SP-1175	Yes	Continues	No	Yes
	• A review of the state-of-the-art of NPH assessment methodology and of site-specific information shall be conducted at least every 10 years.	All WHC existing facilities	WHC-SP-1175	Yes	Continues	No	Yes
	• A recommendation shall be made to the PSOs on the need for updating the existing NPH assessments based on identification of a significant change.	All WHC existing facilities	WHC-SP-1175	Yes	Continues	No	Yes
10c(3) Assessment of NPH (NPH effects)	• The NPH assessments and NPH design of new facilities and evaluation of existing facilities shall consider all potentially damaging natural phenomena and their effects.	All WHC facilities	WHC-CM-1-12	Yes	Continues	No	Yes
	• For example, all effects of earthquakes including earthquake ground shaking and earthquake-induced fault offset, liquefaction, slope instability, lateral spreading, and subsidence; all effects of tornadoes including wind pressure, tornado-generated missiles, and atmospheric pressure change; or all effects of flooding including water depth, local precipitation, dynamic impact of water, erosion, and impact of floating debris shall be considered.	All WHC facilities	WHC-CM-1-12	Yes	Continues	No	Yes
	• Simultaneous occurrence of most NPH events need not be assumed. However, where events have a cause and effect relationship, their combination must be considered as per paragraph 10a(1).	All WHC facilities	WHC-CM-1-12	Yes	Continues	No	Yes
10d(1) Other Requirements	• Facilities or sites which have SSCs in PC2 (with hazardous material), PC3 or PC4 shall have instrumentation or other means to detect and record the occurrence and severity of seismic events.	All WHC PC234 facilities	WHC-SD-GN-ER-30036	No	TBD	No	Yes

Table 3-1. Master Compliance Matrix for DOE Order 5480.28.

DOE 5480.28 Paragraph	DOE 5480.28 Requirements	Affected Facilities	Implementing Documents	Compliance Achieved	Compliance Schedule	Waiver Needed	Additional Funds
10d(2) Other Requirements	• Facilities or sites which have SSCs in PC3 or PC4 shall have procedures to inspect the Facility for damage following an NPH event, to place the facility into a safe configuration when damage occurs, and to document and report such damage.	All WHC PC34 facilities	TBD	No	TBD	No	Yes
11a Implemnting	• Steps Necessary to Implement NPH Mitigation Requirements (given in paragraph 10):	All WHC facilities	WHC-SP-1175	Yes	Continues	No	Yes
11a(1) Implemnting	• Perform site-specific studies of site characteristics or evaluate existing data for site characteristics related to NPH and augment with site-specific studies where needed in accordance with the latest applicable DOE standard.	All WHC facilities	WHC-SD-W236A -TI-002 WHC-SD-GN -TI-501	Yes	Completed	No	No
11a(2) Implemnting	• Establish performance categories for SSCs using a graded approach.	All WHC facilities	WHC-SP-1175	Yes	Completed	No	No
	• Performance categorization of SSCs shall be performed in accordance with the latest [interpreted as "final"] applicable DOE standard.	All WHC facilities	WHC-SP-1175	Yes	Continues	No	Yes
11a(3) Implemnting	• Perform NPH assessment of the site in accordance with the applicable DOE standard.	All WHC facilities	WHC-SD-W236A -TI-002 WHC-SD-GN -TI-501	Yes	Completed	No	No
11a(4) Implemnting	• Design and construct or evaluate SSCs.	All WHC facilities	WHC-CM-1-12	No	TBD	No	Yes
11a(5) Implemnting	• Establish a prioritized schedule for evaluation and upgrade of existing facilities.	All WHC existing facilities	WHC-SP-1175	No	TBD	No	Yes
11d(4) Implemnting	• The implementation plan for evaluation and upgrade of existing SSCs (see paragraph 11a(5)) shall be completed and submitted to the PSO within 1 year of the effective date of the last [interpreted as "final"] applicable standard.	All WHC existing facilities	WHC-SP-1175	No	TBD	No	Yes

4.0 IMPLEMENTATION GUIDES AND TECHNICAL STANDARDS

4.1 DOE IMPLEMENTATION GUIDES AND STANDARDS

DOE Order 5480.28 explicitly invokes certain second-tier documents as requirements. These documents with referenced DOE Order 5480.28 Sections follow.

SEN-35-91, Nuclear Safety Policy (9-9-91). This policy document establishes DOE intent in the areas of management, technical competency, safety goals, oversight and self-assessment, and safety culture. Specific implementing requirements are contained in DOE Orders and Directives. (Reference Section 3.a.)

DOE Order 5480.23, Nuclear Safety Analysis Reports (4-10-92). This order establishes requirements for safety analyses that evaluate the adequacy of the safety bases of facilities. Implementation of this order is addressed in WHC-SP-1164, Busche,D.M., WHC Safety Analysis Reports and Technical Safety Requirements Upgrade Program (September 1995). (Reference Section 3.a.)

DOE Order 6430.1A, General Design Criteria (4-6-89). This order established codes, loads, and special design requirements for nonreactor DOE facilities. Implementation of the order is achieved through existing WHC procedures and the review of new and revised WHC procedures. (Reference Section 10.0.)

UCRL-15910, Design and Evaluation Guidelines for DOE Facilities Subjected to Natural Phenomena Hazards (6-90). This is now superseded by DOE-STD-1020-94. (Reference Section 10.a(1).)

ICSSC RP-3, Guidelines for Identification/Mitigation of Seismically Hazardous Existing Federal Buildings (1989). Development of RP-3 was sponsored by the Federal Emergency Management Agency (FEMA). It contains "rollup" fields for a national database that monitors compliance with Executive Order 12699 on seismic safety for new construction. This implementation plan includes the rollup fields and describes a WHC database that will be compatible with FEMA. (Reference Section 10.a(4)(c).)

DOE Notice 5480.5, Imposition of Proposed Nuclear Safety Requirements (1-22-92). This notice establishes a cost-effective methodology for the backfit (upgrade) of existing DOE facilities found to be out of compliance with current requirements. This implementation plan addresses this order in the evaluation phase. (Reference Section 10.a(4)(d).)

DOE standards normally describe only acceptable methods and processes but do not establish requirements. All or part of the provisions in a standard can become requirements if a DOE requirements document explicitly states they are requirements or a commitment is made to meet a standard. Attachment I to DOE Order 5480.28 invokes five applicable technical standards as mandatory.

DOE-STD-1020-94, Natural Phenomena Hazards Design and Evaluation Criteria for DOE Facilities (April 1994). This standard gives design and evaluation criteria for NPH affects as guidance in implementing the NPH mitigation requirements of DOE Order 5480.28. The standard also provides acceptable methodology for determining the structural capability of SSCs subjected to seismic, wind, and flood hazards. The criteria apply to the design of new facilities and to the evaluation of existing facilities and may be used for the modification and upgrade of existing facilities.

DOE-STD-1021-93, Natural Phenomena Hazards Performance Categorization Guidelines for Structures, Systems, and Components (July 1993). This standard provides guidelines for selecting PCs and recommends systematic procedures for consistent application of guidelines and implementation of a graded approach.

DOE-STD-1022-94, Natural Phenomena Hazards Site Characterization Criteria (March 1994). This standard provides general and detailed requirements and methodology for site characterization leading to the acquisition of needed site-specific NPH information.

DOE-STD-1023-95, Natural Phenomena Hazards Assessment Criteria (September 1995). This standard provides general and detailed criteria for NPH assessments, for the construction of hazard curves, and for establishing adequate design basis load levels.

DOE-STD-1024-92, Guidelines for Use of Probabilistic Seismic Hazard Curves at Department of Energy Sites (December 1992). This standard provides guidance in the use of the seismic hazard curves developed by the Lawrence Livermore National Laboratory and the Electric Power Research Institute. Experience has shown that application of these methodologies can yield significantly different results. In response to this issue, a Seismic Working Group has been formed to coordinate the application of these methodologies within DOE in a consistent manner. The position developed by the group and contained in this standard is intended for immediate use in developing seismic hazard estimates at DOE sites for the evaluation of new and existing nuclear and non-nuclear DOE facilities.

In addition, guidance on the format and minimum content of implementation plans is contained in DOE-STD-1082-94, Preparation, Review, and Approval of Implementation Plans for Nuclear Safety Requirements (October 1994). This is a general standard for the preparation, review, and approval of implementation plans and contains expectations common to all implementation plans.

4.2 WHC IMPLEMENTATION GUIDES AND STANDARDS

This implementation plan is the main WHC control document that specifically addresses compliance with DOE Order 5480.28. The plan is supported by the following WHC studies, plans, and criteria.

Webb, A. B. and Conrads, T. J., WHC-SD-GN-RD-30011 Rev 0, Proposed Correlation of DOE Safety Classes, Performance Categories, and Design Requirements (December 1994). This position paper expands on the

methodology of DOE-STD-1021 and provides background on the development of the correlation of PCs to the existing process of SSC safety classification used by WHC.

Reidel, S. P. and Moore, C. J., WHC-SD-GN-ER-30036 Rev 0, Hanford Site Seismic Monitoring Instrumentation Plan (February 29, 1996). This document describes the WHC compliance plan for NPH detection requirements contained in DOE Order 5480.28, Section 10.d(1).

Tallman-1, A. M., WHC-SD-W236A-TI-002 Rev 1, Probabilistic Seismic Hazard Analyses, DOE Hanford Site, Washington (March 4, 1996). This document is a compilation of the probabilistic, site-specific seismic characterization data, and seismic design loads prepared under contract by Geometrix.

Tallman-2, A. M., WHC-SD-GN-TI-501 Rev 0, Natural Phenomena Hazards, Hanford Site, South-Central Washington (April 16, 1996). This revision presents the latest probabilistic, site-specific NPH seismic, wind, flood, ashfall, and lightening design loads.

Conrads-2, T. J., WHC-SD-GN-ER-30038 Rev 0, Volcanic Ashfall Loads for the Hanford Site (April 4, 1996). This document presents risk-reduction factors prepared under contract by EQE International.

Conrads-3, T. J., WHC-SD-GN-DGS-30006 Rev 1, Guidelines for Assessing the Seismic Adequacy of Existing Performance Category Equipment at the Hanford Site (April 5, 1996). This revision updates criteria for new NPH design loads.

Conrads-4, T. J, WHC-CM-1-12 Rev 0, Engineering Design and Evaluation (Draft 1996). This criteria applies to the design of new facilities, modification of existing facilities, and NPH evaluation of existing facilities. The criteria implements DOE-STD-1020 and replaces Hanford Plant Standard SDC 4.1.

Conrads-5, T. J., WHC-SD-GN-ER-30037 Rev 0A, Procedure for Prioritization for Natural Phenomena Hazards Evaluations of Existing DOE Facilities (June 10, 1996). This procedure complies with DOE Order 5480.28.

Hayenga, J. L., WHC-SD-SQA-CSWD-501, Rev 0, "DOE Order 5480.28 Hanford Facilities Database," (September 1996), Westinghouse Hanford Company, Richland, WA.

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5.0 COMPLIANCE BASELINE

A baseline is an agreed-to condition. A compliance baseline identifies the degree of compliance with each requirement at a point in time. For credibility, baselines should be documented and should reference those documents that justify compliance.

5.1 ESTABLISH THE COMPLIANCE BASELINE

A seven-step methodology is used to establish the compliance baseline. Steps (a) through (d) are completed. Commitments for completion of steps (e) through (g) are in Section 6.0.

(a) Establish the NPH Requirement Compliance Baseline. The applicable requirements in DOE Order 5480.28 are shown in Table 3-1. The status of compliance and the report documenting compliance are also identified in the table.

(b) Specify the Work Control Documents. To assure compliance, work is controlled with plans, procedures, and completion reports. These work control documents are identified in Table 3-1. This plan is the primary work control document implementing DOE Order 5480.28 and follows the guidance provided in DOE-STD-1082. The purpose and content of second-tier work control documents are described in paragraph 4.2.

(c) Identify Facility-Specific Requirements. Compliance with sitewide procedure requirements is achieved without facility-specific information. This implementation plan is an example of compliance with a procedure requirement in DOE Order 5480.28, Section 11.d(4). As discussed in paragraph 3.4 and identified in Table 3-1, other requirements are facility specific, and compliance is achieved only after data about a particular facilities is obtained. Table 3-1 categorizes each requirement as either sitewide or facility specific.

(d) Analyze the Facility-Specific Requirements. Based on the facility-specific requirements, an analysis of the data needed is shown in Table 5-1. Information should address the requirements of the DOE Order and, also, be compatible with FEMA reporting guidelines. Additional data not specially required by the order or FEMA is needed to control the collection of or support the needed information. The table identifies the requirement for the data and the primary source of the needed data.

(e) Develop a Facility/SSC NPH Compliance Database. The computerized database has been developed (Hayenga). Data required for the completion of Table 5-1 are contained in the database. These data can be stored and accessed as required to support the prioritization phase, the evaluation phase, and the upgrade phase.

(f) Prioritized Facilities for NPH Vulnerability. Prioritization criteria and a NPH Facility Prioritization Worksheet are in Section 8.0. Based on data in the initial facility compliance database, worksheets were prepared and each facility prioritized for NPH vulnerability. Next, program managers and/or landlords reviewed, corrected, completed, and approved worksheets for their facilities. The facility/SSC NPH compliance database is updated from the returned worksheets.

(g) Establish the Facilities NPH Compliance Baseline. The facilities compliance baseline summarizes the facilities database. This baseline identifies the status of compliance of individual facilities with DOE Order 5480.28 and, also, with Executive Order 12699. This baseline is sorted and reported by priority in paragraph 5.2 and by program in the appendices.

5.2 MATRICES IDENTIFYING THE FACILITY BASELINE

To be determined. This section will describe the facilities NPH compliance baseline and the appendices containing the facilities NPH compliance database sorted by programs and then facilities.

5.3 MAINTENANCE OF THE COMPLIANCE BASELINE

The compliance baseline changes over time. In the beginning all requirements are identified, but few are shown to be complied with. Periodically, the baseline is updated to reflect additional requirements where compliance has been achieved. This process of updating continues until compliance is achieved for all requirements.

This implementation plan is the vehicle that will be used to periodically update the compliance baseline. It will be revised at 1-year intervals thereafter.

Table 5-1. Facilities Natural Phenomena Hazard Compliance Database Structure.

DATABASE FIELDS	ENTER	FIELD REQUIRED BY			SOURCE OF DATA
		FEMA	5480.28	Other	
SITE IDENTIFICATION					Constant
State	Code	Yes			WA
County	Name	Yes			-- TBD
Agency	Code	Yes			DOE
Site name	Name				Hanford Site
Number of facilities	No.	Yes			-- TBD
SORT DATABASE 1st by RESPONSIBLE CONTRACTOR then 2nd on USING PROGRAM					
FACILITY IDENTIFICATION					
Area location	Name	Yes		Prioritization	FacilitiesCORE
Facility number	No.	Yes		Prioritization	FacilitiesCORE
Facility name	Name			Prioritization	FacilitiesCORE
FACILITY CLASSIFICATION					
New or Existing	N/E		Sec 10	Prioritization	FacilitiesCORE
Type: bldg, mobile, etc	Code		Sec 3a		1H Safety Fire
Nuclear or Non-nuclear	Code		Sec 5a		FacilitiesCORE
Occupancy class	Code	Yes			
Essential	Code	Yes			
Historic	Code	Yes			
Status: active, surplus, etc.	Code				
OCCUPANT IDENTIFICATION					
Owned, leased, other	Code		Sec 4		FacilitiesCORE
Responsible contractor	Name		Sec 4	Accountability	FacilitiesCORE
Facility manager	Name			Entry	FacilitiesCORE
Using programs	Name			Funding	
DESIGN HISTORY					
Building code used	Code			Prioritization	
Year code issued	Year	Yes		Prioritization	
Year construction complete	Year			Prioritization	FacilitiesCORE
Year last modified	Year			Prioritization	
Year last evaluated	Year			Prioritization	
Evaluation document number	No.			Prioritization	
Margin of safety	No.			Prioritization	
FACILITY DESCRIPTION					
Covered floorspace	m^2	Yes		Prioritization	FacilitiesCORE
Number of floors	No.	Yes			
Foundation soil type	Code	Yes			
Substructure type	Code	Yes		Prioritization	
Superstructure type	ATC-21	Yes		Prioritization	
FACILITY CONDITION					
Foundation soil	Code			Prioritization	
Substructure	Code			Prioritization	
Superstructure	Code			Prioritization	
Exterior (non-structural)	Code			Prioritization	
Interior (non-structural)	Code			Prioritization	
Structural accidents	Code			Prioritization	
ATC rating	Score			Prioritization	
SAFETY IMPORTANCE			Sec 11a(5)		
Number of occupants	No.		Sec 3a	Prioritization	FacilitiesCORE
Number of visitors	No.		Sec 3a	Prioritization	
Hazardous materials	Name			Prioritization	SAR
Hazard category	No.		Sec 3a	Order 5480.23	SAR
Hazard class	Code		Sec 3a	Order 5481.1B	SAR
Safety class	No.		Sec 10b		SAR
Performance category	No.		Sec 7f	Prioritization	
FEMA high risk code	Code	Yes			
SC-1 SSCs	No.				SAR
SAR document number	No.				SAR

Table 5-1. Facilities Natural Phenomena Hazard Compliance Database Structure. (continued)

DATABASE FIELDS	ENTER	FIELD REQUIRED BY			SOURCE OF DATA
		FEMA	5480.28	Other	
MISSION IMPORTANCE			Sec 11a(5)		
Top program using facility	Name			Prioritization	FacilitiesCORE
Importance to program	Code			Prioritization	
Year program ends	Year			Prioritization	
Other affected programs	No.			Prioritization	
Restore if damaged?	Y/N			Prioritization	
COST IMPORTANCE		Yes	Sec 11a(5)		
.....Defer to evaluation phase					
NPH PRIORITIZATION					
Unimportant PCO facility	Y/N			Prioritization	
Performance category score	No.			Prioritization	
Occupant considerations	No.			Prioritization	
Facility condition score	No.			Prioritization	
Existing analysis score	No.		Sec 11a(5)	Prioritization	
Total score	No.		Sec 11a(5)	Prioritization	
Inherently rugged	Y/N				
NPH EVALUATION					
Seismic hazard	Code	Yes	Sec 10		WHC-SD-GN-ER-501
Wind hazard	Code		Sec 10		WHC-SD-GN-ER-501
Volcanic ashfall hazard	Code		Sec 10		WHC-SD-GN-ER-501
Flood hazard	Code		Sec 10		WHC-SD-GN-ER-501
Lightening hazard	Code		Sec 10		WHC-SD-GN-ER-501
Evaluation report number	No.		Sec 10		
Evaluation report complete	Date		Sec 10		
NPH qualified/deficient	Q/D	Yes	Sec 10		
BASELINE (full compliance)					
Exemption	Code	Yes	Sec 9a		
New facility started	Date		Sec 11d(3)		
New modification started	Date		Sec 11d(3)		
Qualified by evaluation	Date		Sec 10a		
Qualified by upgrade	Date		Sec 10a		
Approved deviation	Date		Sec 9b		
COMMITMENTS (for compliance)					
Evaluation procedure	Code	Yes	Sec 11a(5)		WHC-CM-1-12
Evaluation priority	No.		Sec 11a(5)		
Evaluation scheduled start	Date		Sec 11a(5)		
Evaluation scheduled complete	Date		Sec 11a(5)		
Upgrade scheduled start	Date		Sec 11a(5)		
Upgrade scheduled complete	Date				

6.0 COMMITMENTS

Commitments are the additional activities planned to meet requirements. The combination of baseline activities and commitments is a list of all activities necessary and sufficient to achieve full compliance.

The level of detail provided allows clear interpretation of the intent of the commitment but does not include daily activities reflected in facility-specific procedures. Milestones and schedules associated with commitments are proposed in Section 10.0. The WHC commitment tracking process is discussed in Section 13.0.

6.1 MOBILIZATION PHASE COMMITMENTS

The seven-step methodology used to establish the compliance baseline is described in paragraph 5.1. The first four steps were completed during the mobilization phase and are reported in this interim implementation plan.

6.2 PRIORITIZATION PHASE COMMITMENTS

The additional activities planned for accomplishment during the prioritization phase are defined by the last three steps of the methodology plus the "other requirements" of DOE Order 5480.28, Sections 10.d(1) and 10.d(2).

(e) Develop a Facility/SSC NPH Compliance Database. The computerized database (Hayenga) has been established. The database will be completed when the data from the vulnerability assessment and prioritization are entered.

(f) Prioritize Facilities for NPH Vulnerability. The NPH compliance database is maintained as current until full compliance with DOE Order 5480.28 is achieved. At the end of the prioritization phase, the database is updated, based on prioritization worksheets prepared by program managers and landlords for their facilities. This activity is completed when a preliminary sort of the database is done by priority and sent to the program managers and landlords for review.

(g) Establish the Facilities NPH Compliance Baseline. The final additional activity planned for the prioritization phase is revision and updating of this implementation plan. The revised implementation plan will report the status of both the requirement and the facility compliance baselines, as well as updating every section of the implementation plan.

(h) Install NPH Detection Instrumentation. Procure, install, and operate seismic monitoring instrumentation in accordance with WHC-SD-GN-ER-30036 (Reidel, Moore).

(i) Train Post-NPH Response Team. Train selected personal in post-NPH reentry and damage assessment procedures developed during the prioritization phase.

6.3 EVALUATION PHASE COMMITMENTS

To be determined. This section will be prepared when this interim implementation plan is revised at the end of the prioritization phase.

6.4 UPGRADE PHASE COMMITMENTS

To be determined. This section will be reported in yearly revisions to the implementation plan at the end of the prioritization phase.

7.0 GRADED APPROACH

10 CFR 830.3 defines a graded approach as a process by which the level of analysis, documentation, and actions necessary to comply with a requirement ... are commensurate with the following.

- Relative importance to safety, safeguards, and security (risk)
- Magnitude of any hazard involved
- Life cycle stage of a facility
- Programmatic mission of a facility
- Particular characteristics of a facility
- Any other relevant factor.

Note: Costs, resource assessment, NPH detection, and post-NPH procedures are the relevant factors considered in this implementation plan.

The additional activities proposed in Section 6.0; as well as the level of depth, rigor, and thoroughness in accomplishing them; are determined by applying the graded approach described here. The basis for the graded approach used in this implementation plan is the classification shown in Table 7-1 of facilities/SSCs in terms of their hazard category, safety class, and PC.

After classification of facilities/SSCs, the graded approach is established in work control documents that stipulate the level of effort needed to accomplish activities and comply with requirements. The basis for the graded approach and the work documents implementing it are discussed in the following sections.

7.1 NATURAL PHENOMENA HAZARD ASSESSMENT AND CHARACTERIZATION

The magnitude of any hazard [item (2) of the definition] is measured in terms of its size and type. The graded approach to hazard mitigation starts with determination of the magnitude of the unmitigated hazard. The DOE requirements and the status of assessing and characterizing NPH are discussed in paragraph 8.1

In addition to NPH, dangerous materials present a hazard to DOE facilities. The magnitude of an unmitigated nuclear hazard at DOE facilities is categorized in accordance with DOE Order 5480.23. The magnitude of an unmitigated hazard due to other dangerous materials located at DOE facilities is categorized in accordance with DOE Order 5481.1B. The determination of the hazard category is included in safety analysis reports. This hazard category nomenclature is used in DOE-STD-1021-93 and also shown in Table 7-1.

7.2 PERFORMANCE CATEGORIES

DOE Order 5480.28 establishes five PCs for SSCs depending on their safety, mission, and cost significance [items (1), (4) and (6) of the definition]. Evaluation of the significance of these items depends on an

understanding of the hazard, the life cycle, and facility particulars [items (2), (3) and (5) of the definition]. Requirements governing this graded approach are contained in DOE Order 5480.28 (Sections 10.b and 12) and DOE-STD-1021-93.

- Safety significance is determined in safety analyses implementing DOE Orders.

- Programmatic importance is judged based on direction received in the plant execution guidance from DOE and/or as identified by the operations divisions in conjunction with their DOE counterpart.

- Cost, except for low value and unimportant SSCs, is seldom known during the prioritization phase. Cost becomes a consideration in determining PCs whenever it is known, usually during facility-specific evaluations.

Historically, WHC and predecessor operating contractors at Hanford have classified facilities/SSCs into four safety classes depending on importance to safety. Need for a correlation among these overlapping classifications and also with hazard categories was recognized early. In response, a consensus position evolved (Webb and Conrads) that expands the methodology of DOE-STD-1021-94 and defines an appropriate correlation of PCs to the existing process of SSC safety designation used by WHC. The correlation shown in Table 7-1 is the basis of the graded approach used in this implementation plan.

7.3 DESIGN AND EVALUATION CRITERIA

Design and evaluation requirements based on PCs, life cycle stage, and particular characteristics of a facility [items (3) and (5) of the definition] are contained in DOE Order 5480.28, Section 10.a, and DOE-STD-1020-94.

In order to comply with these requirements and assure a graded approach, the WHC-CM-1-12 manual was issued with three objectives.

- Integrate the new NPH requirements with existing DOE and other requirements governing design and evaluation of facilities/SSCs

- Limit requirements and NPH criteria to those applicable to Hanford

- Stipulate the appropriate level of depth, rigor, and thoroughness in complying with requirements

This manual provides structural criteria governing the design of new facilities/SSCs, modifications to existing facilities/SSCs, and evaluation of existing facilities/SSCs if required.

7.4 NATURAL PHENOMENA HAZARD DETECTION AND POST-NATURAL PHENOMENA HAZARD PROCEDURES

Requirements for NPH detection and post-NPH procedures [item (6) of the definition] are contained in DOE Order 5480.28, Section 10.d. These requirements apply only to PC2, PC3, and PC4 facilities and sites.

Detection of NPH requires that instrumentation or other means are provided to detect and record the occurrence and severity of seismic events. A plan (Reidel and Moore) has been approved that will implement NPH detection requirements.

Post-NPH procedures govern inspection of a facility for damage following an NPH event, placing a facility into a safe configuration when damage occurs and documenting and reporting the damage. Procedures complying with post-NPH requirements will be issued during the prioritization phase. This will include revising the sitewide and building response procedures to reflect the use of trained staff for post-NPH damage assessment.

7.5 RESOURCE ASSESSMENT

Resource assessments [definition item (6)] provide estimates of the monetary and nonmonetary life cycle costs of both compliance and of noncompliance. These costs are needed for performance categorization and prioritization and also provide justification for funding or for an exemption.

Resource assessment is discussed in more detail in Section 8.0, which also serves as the work control document for this effort.

7.6 PRIORITIZATION

The end item of the prioritization phase is a prioritized list for evaluation and upgrade of existing facilities/SSCs. Requirements governing prioritization are contained in DOE Order 5480.28, Section 11.a(5). Life safety, mission importance, and resource minimization [items (1), (4) and (6) of the definition] are the stated bases for prioritization. Evaluation of these items depends on an understanding of the hazard, the life cycle, and facility particulars [items (2), (3) and (5) of the definition]. Prioritization is discussed in more detail in Section 8.0.

> Note: These same parameters are used to establish performance categories. Prioritization of NPH puts a higher priority on life safety and provides a finer ranking of facilities/SSCs than found in the five performance categories. A procedure (Conrads-5) for prioritization for NPH evaluation of existing DOE facilities has been released.

Table 7-1. Graded Approach and Performance Categorization.

Facility Type	Reactor or PSO designated	Hazardous or Essential Nonreactor Facility			General Facilities	No Safety Function
Hazard Category (2)	HC-1	HC-2	HC-3	Radiological		
Hazard Class (3)		High (HH)	Moderate (MH)	Low (LH)		

Categorizing the Hazard as depicted above does not directly influence the safety classification process nor the category

Structures, Systems, Components, Safety Designation and Mitigating Features	Safety Class (4)		Safety Significant (4)			General Services	
	Performs or preserves reactor safety function	Prevents or mitigates rad. consequences above risk guidelines to:	Prevents or mitigates toxic chemical or onsite rad. consequences above risk guidelines to:		Worker safety. Prevents or mitigates serious injury not controlled by ISP (5) to:	Occupant and worker safety controlled by building code and ISP (5)	
		Offsite public	Offsite public (toxic only)	Onsite worker (rad. & toxic chemical)	Facility worker	Any occupant	No occupant
	SC-1 (6)			SC-2 (6)	SC-3 (6)	Nonsafety Class (6)	
Mission Importance	Mission Importance Criteria TBD				Historic or UBC essential	Not essential	None
Cost Imp.	Cost Importance Criteria TBD						None
Performance Category (1,7)	PC4	PC3		PC2	PC1		PC0
	Goal $1X10^{-5}$	Goal $1X10^{-6}$		Goal $5X10^{-6}$	Goal $1X10^{-7}$		No Goal

Note:
1. DOE Program Secretarial Officer (PSO) may designate a facility to a higher PC.
2. Hazard category (HC) for nuclear facilities per DOE Order 5480.23 drives the level and rigor of FSAR analysis and its references.
3. High, medium and low hazard class (HH, MH & LH) for non-nuclear facilities per DOE Order 5481.1B.
4. Safety class and safety significant classification per WHC-CM-4-46 Rev 2, chapter 9.0.
5. Institutional safety program (ISP) protecting against standard industrial hazards per DOE-STD-3009
6. Obsolete Westinghouse Hanford Company (WHC) safety class (SC) per WHC-CM-4-46 Rev 1, chapter 9.0. These designations no longer apply, but are still contained in existing safety equipment lists and reference documentation until they can be revised.
7. Performance goal and PC per DOE 5480.28.

8.0 PRIORITIZATION

8.1 PRIORITIZATION PROCESS

The large inventory of existing buildings and structures at the Hanford Site precludes simultaneous evaluation for NPH effects. As part of the graded approach, prioritization will result in the ranking of existing buildings and structures for the purpose of allocation of resources to those buildings and structures determined to be most important and vulnerable. The process, in compliance with DOE Order 5480.28, will result in a prioritized list of buildings and structures for future NPH evaluation. This section establishes the process to be used for the prioritization of NPH evaluations.

Guidance on the minimum goals of prioritization are contained in DOE-STD-1082.

- Give primary attention to controlling and reducing risks to the public, the environment, and the workers to acceptable levels.
- Consider available information from safety analyses and other sources and use a graded approach to the acquisition of new data.
- Address programmatic constraints of time, funding, and mission when developing schedules.
- Accommodate changes at later dates.

Specific requirements governing prioritization contained in DOE Order 5480.28, Section 11.a(5) are:

- Screen and rapidly identify sites of greatest vulnerability to NPH effects
- Direct initial efforts to existing buildings and structures that are of greatest importance in terms of safety, mission, and costs
- Eliminate from further consideration existing buildings and structures with low probability of NPH vulnerability due to their inherent ruggedness or benign site conditions.

The NPH prioritization puts a higher priority on life safety and provides a finer ranking of existing buildings and structures than found in the five performance categories in Table 7-1 and described in paragraph 7-2. The prioritization process used in this implementation plan is an outgrowth of a procedure (Conrads-1 and -2) developed with consultation and cooperation from Westinghouse government-owned, contractor-operated sites.

8.2 WORKSHEET DEVELOPMENT

The process of prioritizing existing buildings and structures for future NPH evaluation will be accomplished during the prioritization phase of implementation. A worksheet, Table 8-1, will be completed for appropriate

buildings and structures on the Hanford Site under the management and control of WHC, ICF KH, and BCSR. The four-step procedure to be used in completing the worksheet follows.

Step 1. Screen Sites for NPH Vulnerability. The first step in the prioritization process, rapid identification of sites and areas of greatest vulnerability to NPH effects, has been completed for the Hanford Site. Probabilistic NPH assessments and characterization of each site must be completed early. Based on the NPH characterization criteria developed, sites and areas of no or low NPH risk are eliminated from further consideration.

The NPH at Hanford include earthquake, wind/tornado, flood, volcanic ashfall, and lightning. New stringent requirements governing the assessment and characterization of NPH are contained in DOE Order 5480.28 (Section 10.c), DOE-STD-1022-94, and DOE-STD-1023-95. Site-specific NPH assessments have been completed for the Hanford Site. Based on these assessments, NPH characterization criteria were developed and are documented in:

- Tallman-1, A. M., WHC-SD-W236A-TI-002 Rev 1, "Probabilistic Seismic Hazard Analyses, DOE Hanford Site, Washington"
- Tallman-2, A. M., WHC-SD-GN-ER-501 Rev 0, "Natural Phenomena Hazards, Hanford Site, South-Central Washington"
- Conrads-2, T. J., WHC-SD-GN-ER-30038 Rev 0, "Volcanic Ashfall Loads for the Hanford Site"

These documents indicate a higher level of NPH risk than shown in earlier Hanford design criteria. Facilities/SSCs built to previous Hanford design criteria met previous criteria, usually with generous margins of safety. However, because of the new criteria, existing facilities/SSCs may be considered at risk until they are evaluated in accordance with the current NPH criteria contained in DOE-STD-1020 and WHC-CM-1-12 (Conrads-4).

Based on the NPH characterization criteria, no area within the Hanford Site can be simply eliminated from further consideration because of no or low NPH risk. Except for flood, all areas within the Hanford Site have relatively the same vulnerability to NPH effects.

Step 2. Screen Out Unimportant Buildings and Structures. The next step in the prioritization process is identifying unimportant existing buildings and structures, documenting the process, and then eliminating the unimportant buildings from further consideration.

Unimportant buildings and structures are designated PCO and do not require NPH qualification or mitigation. These are defined as nonhazardous, unoccupied, low value, and nonessential buildings and structures where NPH is not an issue. The PCO buildings and structures must meet all of the following unimportance criteria:

- No hazardous material contained or stored within
- No permanent occupants
- No current or future mission
- No requirement nor intent to restore or replace.

Examples of PC0 building or structure include an unused guardhouse awaiting a decision on deactivation, a deactivated substation visited on a regular basis only by security, and structures currently being deactivated or decommissioned.

Note: As shown in Table 7-1, PC0 is a more-limited application than the obsolete nonsafety class (sometimes called SC-4) designation which included both PC1 and PC0. The NPH and other structural design and evaluation criteria apply only to PC0 SSCs in "3-over-1" situations. That is, when failure or damage to a PC0 SSC in an accident or NPH event could jeopardize a higher-PC-level SSC, the criteria governing the higher-level PC is used for the design evaluation of the PC0 SSC.

Step 3. Prioritize Important Buildings and Structures. Existing buildings and structures not designated PC0 are important and are prioritized for evaluation based on the following priority factors.

- Performance Category
- Occupancy Considerations
- Facility Condition
- Existing Analysis

For each priority factor, a building or structure is assigned a numerical score (0 to 10), and the unweighted scores are added to generate the total score. Higher scores signify a higher priority for possible future NPH evaluation.

Performance Categories

DOE Order 5480.28 requires that, for the purposes of NPH design and evaluation, facilities/SSCs be placed in one of five performance categories. Performance categories are established for facilities/SSCs on the basis of their safety, mission, and cost significance. Performance categories are the basis for the graded approach used in this implementation plan, and are discussed in paragraph 7.2.

Performance categorization is considered appropriate for scaling the potential impact of an NPH event on an existing building or structure. Prioritization scores for the potential building/structure hazard are assigned, based on the following PCs.

Performance Category	Score
PC4	10
PC3	5
PC2	3
PC1	1
PC0	0

Occupant Considerations

The higher PCs (PC4, PC3, and PC2) are mostly concerned with the risks to the offsite population and to onsite personnel. For example, PUREX would probably be designated as a PC3 building; whereas, an office building is typically designated as a PC1 structure. Occupancy considerations in this prioritization process emphasize the life safety of workers, visitors, and possibly other occupants of a building.

The occupancy loading of a building is representative of the relative risk to building occupants due to structural failure or collapse during or after a NPH event. Occupancy is taken as the number of people continuously occupying the building for more than 2 hours.

Prioritization scores are assigned based on the maximum allowed building occupancy, N. That is, the sum of the normal shift staff plus visitors in conference rooms, auditoriums, etc.

Occupancy N	Score
$N > 100$	10
$10 \leq N \leq 100$	5
$1 \leq N < 10$	1
0	0

Facility Condition

Facility condition encompasses the design capacity of the facility for NPH loads and any degradation of the structure or the foundation that may have reduced that capacity. Buildings and structures normally deteriorate with age or are modified to accommodate a new mission. The rate of deterioration is a function of the maintenance program and any unusual historical structural incidents such as accidents, restorations, and modifications. With nominal maintenance and no major structural incident, and for the purpose of prioritization for NPH evaluation, the facility can be assumed to deteriorate as follows.

- First 5 years. Facility condition should be considered like new.
- Age 6-10 years. Facility condition should be considered good.
- Age 11-25 years. Facility condition should be considered marginal.
- After 25 years. Facility condition should be considered poor.

If the facility has experienced a serious structural accident or major modification, the above deterioration schedule may not be conservative. In this case a field walkdown to determine the facility condition is indicated. A widely recognized methodology has been developed by the Applied Technology Council (ATC) and endorsed by the Federal Emergency Management Agency (FEMA). This approach is set forth in:

Applied Technology Council, "Rapid Visual Screening of Buildings for Potential Seismic Hazards", (ATC-21, also issued by the Federal Emergency Management Agency as FEMA 155, July 1988).

The procedure is a ranking process to develop the relative capacity of structures to prioritize their detailed evaluation or to determine if detailed evaluation is even necessary. A primary evaluation criteria under this methodology is based on the type of structure. The ATC-21 identifies 12 building categories and the relative seismic resistance of each type.

The historical performance of these classifications of structures is known and includes assessment of degradation mechanisms such as rusting of structural steel frames, mortar degradation in masonry structures, wood rot, etc. This methodology assigns a rating based on the sum of values assigned to evaluation attributes. The higher the ATC rating, the greater the inherent seismic and other NPH resistance.

Prioritization scores for the facility condition are assigned, based on facility age when there has been no serious structural accident. If there has been a serious structural accident, then the prioritization score should be based on the ATC-21 ratings. If that is not feasible, a prioritization score of 10 should be assigned. The schedule for scoring is as follows.

Facility Age	ATC-21 Rating	Facility Condition	Score
>25 years	<0	Poor	10
25-11	0-3	Marginal	5
10- 6	>3	Good	1
<5		Like new	0

Existing Analysis

The methodology of NPH evaluation, especially for seismic loads, has evolved significantly over the past 20 years. Consequently, the quality of an evaluation of a structure's capability to adequately resist NPH loads is largely a function of its age. Other important quality considerations are whether the evaluation uses the correct NPH criteria and codes and has been or can be verified. A four-tier classification is used to describe the quality of NPH structural documentation.

- Poor. Documentation has not been found or is greater than 20 years old. The 20-year-old analysis restriction is based on the issue of the 1976 Uniform Building Code (UBC) where unified seismic analysis methodology was promulgated.

- Marginal. Documentation exists and is dated after 1976. Such analyses may or may not comply with NPH requirements found in WHC-CM-1-12 (Conrads-4).

- Verified. Documentation exists, was performed after 1990, and has been verified by external review. UCRL-15910, issued June 1990, contained the mandatory NPH methodology and a graded approach on which DOE Order 5490.28 is built. These quality evaluations approach compliance with NPH requirements of WHC-CM-1-12.

- Acceptable. Documentation exists and is supported by retrievable, verifiable calculations that comply with NPH requirements in WHC-CM-1-12. Such an evaluation was performed to currently

acceptable methods, acceptable NPH levels (current seismic response spectra, ANSI or equivalent wind speeds, etc.), and consensus codes (ASME, AISC, ACI, etc.).

Care should be taken that the entire structure and foundation have been adequately evaluated. Where several NPH structural and geotechnical reports exist, the documentation classification should reflect the quality of the least adequate of the necessary evaluations.

The condition of documentation is important mainly for the higher performance categories, PC4, PC3, and PC2. External review (e.g., DOE, DNFSB) of NPH designs and evaluations is typically performed only on the higher PC facilities/SSCs. On the other hand, analyses for PC1 facilities/SSCs can be assumed as acceptable, based on the completion of construction in accordance with the UBC.

Prioritization scores for existing analyses are assigned based on the quality of documentation and on the PC as follows.

Documentation Quality	PC3,4	PC2	PC1
Poor	10	5	0
Marginal	5	3	0
Verified	1	1	0
Acceptable	0	0	0

Step 4: Elimination of Inherently Rugged Buildings and Structures. The final step in the prioritization process is described in Section 11.a(5) of DOE Order 5480.28:

"Areas where SSCs might not be vulnerable to NPH effects due to inherent ruggedness or benign site conditions can be identified and eliminated from further consideration."

The approach used in this implementation plan is to identify a conservative cutoff value of the prioritization score that separates inherently rugged buildings and structures from less rugged facilities that require NPH evaluation.

To be inherently rugged the facility condition must be "good" or "like new," and the existing analyses must be "verifiable" or "acceptable." To be conservative, the building occupancy should be nine persons or less. The maximum and minimum prioritization scores considering these restraints are in Table 8-2.

Table 8-1. Natural Phenomena Hazards Prioritization Worksheet.

BUILDING/STRUCTURE	Name:	Number:
Floor Area (m^2):	Location:	*Program:*

SCREENING	NO	YES	IF YES, EXPLAIN	
Any hazardous materials?			Type Material.... Hazard Category.. WHC Safety Class. SAR Document No..	
Any permanent occupants?			Remaining life for facility..	
Any present or future mission?			Importance to program.....	
Any intent to restore or replace in event of NPH damage?			Estimated cost to restore/replace	> $10,000,000 < $10,000,000

IF ALL ANSWERS ARE "NO", FACILITY IS UNIMPORTANT. MARK BOX PCO AND STOP. [ ]

IF ANY ANSWER IS "YES", FACILITY IS IMPORTANT. CONTINUE AND COMPLETE PRIORITIZATION WORKSHEET.

PRIORITIZATION		DATA	RATING	SCORE
Performance Category	*Circle applicable boxes* on PERFORMANCE CATEGORIZATION worksheet (Table 7-1). Circled box furthest to left determines PC designation. Attach table.		PC designation:	
Building Occupancy	Day shift workers..... Visitors and others.....		Max occupancy:	
Facility Condition	Year built..... Type construction..... Serious structural accidents? ATC-21 rating.....		POOR MARGINAL GOOD LIKE NEW	
Existing NPH Analyses	Document Number..... Date of Document..... Building Code used..... Date of Code.....		POOR MARGINAL VERIFIABLE ACCEPTABLE	
PRIORITY FOR NPH EVALUATION (equals the sum of the scores).....				

MANAGER APPROVAL	Signature:	Date:

Table 8-2. Prioritization Scores for Inherently Rugged Facilities.

Performance Category	PC4	PC3	PC2	PC1
CUT-OFF SCORES for: Performance Category	10	5	3	1
Building Occupancy	n/a (10 exceeds limit)	0	Pick 2 (not 3)	1
Facility Condition		0		1
Existing Analysis		0		0
RUGGED RANGE	None	5	5 to 3	3 to 1
FULL RANGE	40 to 10	35 to 5	28 to 3	21 to 1

The cutoff prioritization score, "5", is selected to eliminate inherently rugged buildings and structures. No PC4 facilities are eliminated from evaluation since their minimum score is 10. A PC3 facility must be unoccupied, like new, and with acceptable documentation to be eliminated. For a PC2 facility to have a score of 5 or less, it must be unoccupied, like new, or have acceptable documentation. Because the scores for both building occupancy and facility condition go 0, 1, 5, 10; only PC1 facilities with scores of "1" for these prioritization factors can be eliminated.

It is the intent of this prioritization process to identify buildings and structures with scores of 5 or less as inherently rugged and to eliminate them from further NPH consideration. Since this is the stated intent of DOE Order 5480.28, no wavier will be requested.

9.0 RESOURCE ASSESSMENT

Resource assessments provide estimates of the monetary and nonmonetary life cycle costs of both compliance and noncompliance with DOE Order 5480.28. The goals of assessments are:

- Communicate the expected new costs of implementation for performance categorization, prioritization, and budget planning
- Explore more cost-effective means of achieving compliance
- Identify cases where exemptions should be requested on the basis of insufficient benefit versus the expected implementation costs.

The effort used to develop the resource assessment is limited to only that level of detail necessary to achieve these goals. Assessments are guided as much as possible by readily available, relevant quantitative and qualitative information.

9.1 ASSESSMENT METHODOLOGY

Considerations to be included in a resource assessment are suggested in DOE-STD-1082. The eight-step methodology presented below is based on these considerations. Steps (a) through (e) are repeated for each phase. The last three steps are facility specific and are completed during the evaluation phase.

(a) Bases for Assessment. The additional activities proposed to achieve full compliance with DOE Order 5480.28 are identified in Section 6.0. The assessment depends on the scope of these activities. Size, quantities, boundaries, constraints, assumptions, and other considerations affecting the assessment should be stated along with justification for their use.

(b) Alternative Selection. Alternative, feasible means of compliance are to be identified. The rationales for rejection and selection should be provided.

(c) Additional Program Costs. An estimate of the costs for the proposed activities is to be developed. These costs are additional to existing program budgets.

During the mobilization, prioritization, and evaluation phases, program operations are uninterrupted and life cycle costs are not a consideration. However, during the upgrade phase, facilities may be shutdown or program operations may be affected. After the upgrade is completed, operations and operating costs may be different than before. Consequently, the estimate (made during the evaluation phase) of additional funds needed for upgrade is dependant on the difference between the pre- and post-upgrade life cycle cost.

(d) Availability of Resources. Estimates of monetary costs and schedules can be affected by the available nonmonetary resources. The scarcity or abundance of skilled labor, needed materials, and special services should be determined and any adverse impact on costs or schedules identified.

Facility-specific information on plant conditions, configurations, and processes is another important consideration for upgrade estimates (made during the evaluation phase).

(e) Sources of Funding by Fiscal Year. After considering the availability of resources, an estimate of funds needed in each fiscal year is tabulated. These funds are then allocated to programs. The impact of nonavailability of funds should be discussed.

(f) Value of Expected Benefits. The benefits of compliance are equal to the monetary and nonmonetary costs that would be incurred if a NPH event occurred prior to compliance. Figures of merit for these costs are lives jeopardized, days of mission downtime, and cost of facility rehabilitation.

The purpose of quantifying these benefits is to establish the cost benefit of compliance leading to a decision ~~on~~ whether to mitigate or to waive requirements of DOE Order 5480.28. These are facility-specific decisions and will be made during the evaluation phase.

(g) Cost Benefits of Compliance. In this implementation, the cost benefits of compliance are measured by the ratios of the cost of compliance (from step a) to value of the expected benefits (from step d). In order of importance, these ratios are:

- $ per life not jeopardized
- $ per day of mission downtime avoided
- costs of compliance to costs of rehabilitation.

This is applicable to the evaluation phase [see step (f) above].

(h) Request for Exemption. An insufficient benefit versus the expected implementation costs provides a basis for an exemption request.

This is applicable to the evaluation phase [see step (f) above].

9.2 MOBILIZATION PHASE RESOURCE ASSESSMENT

The mobilization phase for DOE Order 5480.28 has been completed. During FY95, overhead funds were spent on this phase.

9.3 PRIORITIZATION PHASE RESOURCE ASSESSMENT

(a) Bases for Assessment. The additional activities proposed to be accomplished in the prioritization phase are identified in paragraph 6.2. The amount of work to be done in prioritization is a function of the number of existing facilities, the availability of information, and the time to acquire and process missing data.

(b) Alternative Selection. The alternative, feasible means of prioritizing the existing facilities that were considered follow.

- Alternative 1. Outsource all activities in the prioritization phase under the direction of Nuclear Safety Regulatory Compliance (NSRC).

  Rejected. The coordination and cooperation of the 14 programs/landlords would be difficult to obtain. There would be a schedule slip in contracting the outsources. However, for the evaluation and upgrade phases, outsourcing is an attractive alternative.

- Alternative 2. The NSRC with the assistance of BCSR prioritizes all facilities using only data already available in the existing databases.

  Rejected. Prioritization would be less able to identify the most-vulnerable facilities. Much work would be deferred to the evaluation phase, and the total cost of compliance would likely increase.

- Alternative 3. Accomplish all activities with in-house contractors (WHC, ICF-KEH, and BCSR) under the direction of WHC Nuclear Safety Regulatory Compliance (NSRC).

  Selected. This alternative provides a defensible prioritization, and can issue an implementation plan within a year of the effective date of DOE Order 5480.28.

(c) Additional Program Costs. The commitments identified and described in paragraph 6.2 define the additional work to be done during the prioritization phase. Using the bases for assessment and the selected alternative 3, the additional program cost estimate of $604,000 for FY 1997 was developed.

(d) Availability of resources. Labor and computing time are the main nonmonetary resources needed for prioritization.

- Experienced engineers and computing specialists are available at Hanford.

- Work stations and/or the BCSR mainframe computer are available.

There is no scarcity of resources and no adverse impact anticipated on costs and schedules.

(e) Sources of Funding by Fiscal Year. Assuming approval of this implementation plan and availability of funds by 10/1/96, the additional program cost needed is $604,000 in FY 97.

The needed funds for the prioritization phase could be allocated to programs and landlords in proportion to the number of their important facilities. (See Table 2-1 above). Table 9-1 shows the approximate percentage of costs which could be allocated to each program.

(f) Value of Expected Benefits. Not applicable to the prioritization phase.

(g) Cost Benefit of Compliance. Not applicable to the prioritization phase.

(h) Request for Exemption. Not applicable to the prioritization phase.

9.4 EVALUATION PHASE RESOURCE ASSESSMENT

To be determined. This section will be prepared when this implementation plan is updated at the end of the prioritization phase.

9.5 UPGRADE PHASE RESOURCE ASSESSMENT

To be determined. This section will be reported in yearly revisions to the implementation plan after the end of the prioritization phase.

Table 9-1. Allocation of Additional Program Costs.

Program or Landlord	Alloc.	FY 97
Tank Waste Remediation System (TWRS)	52.8%	
Solid Waste Operations Complex (SWOC)	20.3	
340 Waste Handling Facility	0.3	
K Basins	0.7	
Fuel Supply Shutdown Facility (FSSF)	0.7	
Fast Flux Test Facility (FFTF)	0.7	
B Plant	0.3	
PFP	3.0	
PUREX	0.3	
308 Building and Fuel Storage Annex	0.7	
222-S Laboratory Complex	0.3	
UO_3 Storage Facility	0.3	
Landlord facilities	19.7	
Totals	100.0%	$ 604K

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10.0 MILESTONES AND SCHEDULES

The milestones and achievable schedules proposed in this section are based on and consistent with earlier sections of this implementation plan.

- DOE Order 5480.28 becomes immediately in force at the effective date of the last applicable standard. As discussed in paragraph 2.1, the in-force date is established by RL. The order also requires submittal of an implementation plan within 1 year of the in-force date.
- Proposed milestones correspond one-for-one with the additional activities in Section 6.0. Deliverables defining closure of WHC milestones are also identified.
- Facility-specific NPH vulnerability is a consideration only in the evaluation and upgrade phases. (See Section 8.0)
- Estimates of needed funding are shown in Section 9.0. No major impacts to activities or commitments outside the scope of this plan have been identified.

On approval and funding of the implementation plan, the milestones and schedules shown in this section are enforceable commitments. The WHC commitment tracking (WCT) system is discussed in Section 13.0. Tracking numbers for milestones are shown below.

10.1 MOBILIZATION PHASE MILESTONES AND SCHEDULE

The mobilization phase for DOE Order 5480.28 has been completed. This implementation plan describes accomplishments and the status.

10.2 PRIORITIZATION PHASE MILESTONES AND SCHEDULE

The proposed milestones to be completed during the prioritization phase and a completion schedule with a May 15, 1996 (Kellogg) in-force date are in Table 10-1.

10.3 EVALUATION PHASE MILESTONES AND SCHEDULE

To be determined. This section will be prepared when this interim implementation plan is revised at the end of the prioritization phase.

10.4 UPGRADE PHASE MILESTONES AND SCHEDULE

To be determined. This section will be reported in yearly revisions to the implementation plan after the end of the prioritization phase.

Table 10-1. Proposed Prioritization Phase Milestones and Schedule.

Tracking Number	Milestone (Deliverable End Item)	Schedule
NPH-P1	Funding for Prioritization Phase available	10-1-96
NPH-P2	Prioritize Facilities for NPH Vulnerability (Letter report: database sorted by priority)	5-15-97
NPH-P3	Establish Facilities NPH Compliance Baseline (WHC-SP-1175: implementation plan, rev 1 submitted to DOE)	5-15-97
NPH-P4	Install NPH Detection Instrumentation (Operating and maintenance procedures)	9-26-97
NPH-P5	Train Post-NPH Response Team and Alter Emergency Procedures (Notice: names, duties, qualifications)	4-15-97
NPH-P6	Submittal of implementation plan to RL and funding requirements for Evaluation Phase available	5-15-97

11.0 EXEMPTIONS

No exemptions are requested at this time. During the evaluation and upgrade phases, conditions may be discovered that warrant exemptions.

If an exemption or deviation is requested in the future, the request will comply with requirements of Section 9 of DOE Order 5480.28.

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12.0 COMPENSATORY ACTIONS

Compensatory actions are temporary actions taken to provide adequate protection of individuals and environment prior to full implementation of requirements. This section describes the compensatory actions taken or to be taken prior to full implementation of DOE Order 5480.28.

12.1 New Facilities/SSCs

The definition (Wise) of a new facility/SSC used in this implementation plan is:

A new facility/SSC is one in which Conceptual Design is started after the effective date of DOE Order 5480.28. Facilities/SSCs in the planning, engineering study, and preconceptual design stage on or after the effective date of DOE Order 5480.28 are new facilities/SSCs. Facilities/SSCs that have started Conceptual Design prior to the effective date of DOE Order 5480.28 are existing facilities/SSCs.

It is also recommended by WHC (Wise-2) that the effective date be defined as 60 days following the issue of WHC-CM-1-12.

No compensatory actions are required. The WHC-CM-1-12 manual integrates the new Hanford NPH characterization criteria with DOE Order 5480.28 and other structural requirements. The design of new facilities/SSCs and new modifications to existing facilities/SSCs to WHC-CM-1-12 criteria will be in compliance with DOE Order 5480.28.

12.2 EXISTING BUILDINGS AND STRUCTURES

The NPH characterization criteria developed in accordance with DOE Order 5480.28 (Section 10.c), DOE-STD-1022-94, and DOE-STD-1023-95 indicate a higher level of risk than earlier Hanford design criteria. Facilities or SSCs built to previous Hanford design criteria met previous criteria, usually with a generous margin of safety. However, these existing facilities/SSCs may or may not be at risk until they are evaluated in accordance with the new NPH criteria contained in WHC-CM-1-12.

Compensatory actions are being taken in accordance with the phased approach described in paragraph 1.2.

- Existing buildings and structures are prioritized as described in Section 9.0 to determine the degree of risk in the event of a NPH occurrence.

- Those items of importance are evaluated in accordance with WHC-CM-1-12, in order of prioritization, and at the rate of funding approval.

- If an existing structure is found to be out of compliance with DOE Order 5480.28, the structure will either be recommended to be upgraded or a wavier requested.

Both the prioritization and the evaluation processes include a "trigger" that singles out any structure/SSC as soon as it is discovered to have a known unacceptable high risk. This section of subsequent issues of the implementation plan will identify these structures and describe available options for recovery.

13.0 TRACKING

The computer-based WCT system is used to record, track, and report the status of WHC commitments. The commitments are described in Section 6.0. Milestones and a completion schedule associated with these commitments are proposed in Section 10. On approval and funding of the implementation plan, these milestones and the completion schedule are enforceable commitments. The WCT system tracking numbers have been assigned for milestones and are shown in Section 10.0. The reports from the WCT system are used to control work, and the status of commitments will be included in periodic revisions to the implementation plan.

The WCT system is described and governed by WHC-CM-3-5, *Document Control and Records Management Manual*, 12.9, "Correspondence and Commitment Control."

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14.0 REFERENCES

14.1 REQUIREMENTS DOCUMENTS

10 CFR Part 830, "Nuclear Safety Management", Code of Federal Regulations.

42 US Code 7701 *et seq*, "Earthquake Hazards Reduction Act of 1977."

DOE Order 420.1, "Facility Safety" (1995), U.S. Department of Energy, Washington, DC.

DOE Order 5480.23, "Nuclear Safety Analysis Reports" (4-10-92), U.S. Department of Energy, Washington, DC.

DOE Order 5480.28, "Natural Phenomena Hazards Mitigation" (1-15-93), U.S. Department of Energy, Washington, DC.

DOE Order 6430.1A, "General Design Criteria" (4-6-89), U.S. Department of Energy, Washington, DC.

DOE Notice 5480.5, "Imposition of Nuclear Safety Requirements" (1-22-92, expires 1-22-94), U.S. Department of Energy, Washington, DC.

DOE-STD-1020-94, "Natural Phenomena Hazards Design and Evaluation Criteria for DOE Facilities" (April 1994), U.S. Department of Energy, Washington, DC.

DOE-STD-1021-93, "Natural Phenomena Hazards Performance Categorization Guidelines for Structures, Systems, and Components" (July 1993), U.S. Department of Energy, Washington, DC.

DOE-STD-1022-94, "Natural Phenomena Hazards Site Characterization Criteria" (March 1994), U.S. Department of Energy, Washington, DC.

DOE-STD-1023-95, "Natural Phenomena Hazards Assessment Criteria," (dated September 1995, released on the Internet October 1995), U.S. Department of Energy, Washington, DC.

DOE-STD-1024-92, "Guidelines for Use of Probabilistic Seismic Hazard Curves at Department of Energy Sites" (December 1992), U.S. Department of Energy, Washington, DC.

DOE-STD-1082-94, "Preparation, Review, and Approval of Implementation Plans for Nuclear Safety Requirements" (October 1994), U.S. Department of Energy, Washington, DC.

Executive Order 12699, "Seismic Safety of Federal and Federally Assisted or Regulated New Building Construction" (1-5-90), the White House, Washington, DC.

Executive Order 12941, "Seismic Safety of Existing Federally Owned or Leased Buildings" (12-1-94), the White House, Washington, DC.

Hanford Plant Standards, SDC 4.1 Rev 11, "Design Loads" (1994), DOE Richland Operations, Richland, WA.

ICSSC RP-3, "Guidelines for Identification and Mitigation of Seismically Hazardous Existing Federal Buildings" (March 1989), Interagency Committee On Seismic Safety in Construction.

ICSSC RP-4, "Standards of Seismic Safety for Existing Federally Owned or Leased Buildings" (February 1994), Interagency Committee On Seismic Safety in Construction.

ICSSC RP-5, "ICSSC Guidance on Implementing Executive Order 12941 on Seismic Safety of Existing Federally Owned and Leased Buildings" (1989), Interagency Committee On Seismic Safety in Construction.

SEN-35-91, Secretary of Energy, Nuclear Safety Policy (9-9-91), U.S. Department of Energy, Washington, DC.

UBC, "Uniform Building Code," International Conference of Building Officials, Whittier, CA.

UCRL-15910, "Design and Evaluation Guidelines for DOE Facilities Subjected to Natural Phenomena Hazards" (6-90). UCRL-15910 is now superseded by DOE Order 5480.28.

WHC-CM-3-5, "Document Control and Records Management Manual", Westinghouse Hanford Company, Richland, WA.

14.2 OTHER REFERENCES

Applied Technology Council, "Rapid Visual Screening of Buildings for Potential Seismic Hazards", (ATC-21, also issued by the Federal Emergency Management Agency as FEMA 155, July 1988), Applied Technology Council, Redwood City, CA.

Busche, D. M., WHC-SP-1164, "WHC Safety Analysis Reports and Technical Safety Requirements Upgrade Program" (September 1995), Westinghouse Hanford Company, Richland, WA.

Conrads-1, T. J., WHC Ltr 9650233, "Prioritization of Natural Phenomena Hazards Evaluations for U.S. Department of Energy Facilities" (January 16, 1995), Westinghouse Hanford Company, Richland, WA.

Conrads-2, T. J., WHC-SD-GN-ER-30038 Rev 0, "Volcanic Ashfall Loads for the Hanford Site" (April 4, 1996), Westinghouse Hanford Company, Richland, WA.

Conrads-3, T. J., WHC-SD-GN-DGS-30006 Rev 1, "Guidelines for Assessing the Seismic Adequacy of Existing Performance Category Equipment at the Hanford Site" (April 5, 1996), Westinghouse Hanford Company, Richland, WA.

Conrads-4, T. J., WHC-CM-1-12 Rev 0, "Engineering Design and Evaluation" (1996), Westinghouse Hanford Company, Richland, WA.

Conrads-5, T. J., WHC-SD-GN-ER-30037 Rev 0A, "Procedure for Prioritization for Natural Phenomena Hazards Evaluations of Existing DOE Facilities" (June 10, 1996), Westinghouse Hanford Company, Richland, WA.

Hayenga, J. L., "DOE Order 5480.28 Hanford Facilities Database," (September 1996), Westinghouse Hanford Company, Richland, WA.

Kellogg, A. W., DOE Ltr 96-PRO-118, "Implementation of the U.S. Department of Energy (DOE) Order 5480.28, Natural Phenomena Hazards Mitigation" (May 6,1996), DOE Richland Operations Office, Richland, WA.

Knoll-1, J. M., WHC Ltr 9358712, "DOE 5480.28, Natural Phenomena Hazards Mitigation" (October 7, 1993), Westinghouse Hanford Company, Richland, WA.

Knoll-2, J. M., WHC Ltr 9556559, "Implementation of the U.S. Department of Energy (DOE) Order 5480.28, Natural Phenomena Hazards Mitigation" (January 3, 1996), Westinghouse Hanford Company, Richland, WA.

Knoll-3, J. M., WHC Ltr 9601127 R1, "Implementation of the U.S. Department of Energy (DOE) Order 5480.28, Natural Phenomena Hazards Mitigation" (June 13, 1996), Westinghouse Hanford Company, Richland, WA.

Reidel, S. P. and Moore, C. J., WHC-SD-GN-ER-30036 Rev 0, "Hanford Site Seismic Monitoring Instrumentation Plan" (February 29, 1996), Westinghouse Hanford Company, Richland, WA.

Tallman-1, A. M., WHC-SD-W236A-TI-002 Rev 1, "Probabilistic Seismic Hazard Analyses, DOE Hanford Site, Washington" (March 14, 1996), Westinghouse Hanford Company, Richland, WA.

Tallman-2, A. M., WHC-SD-GN-ER-501 Rev 0, "Natural Phenomena Hazards, Hanford Site, South-Central Washington" (April 16, 1996), Westinghouse Hanford Company, Richland, WA.

Webb, A. J. and Conrads, T. J., WHC-SD-GN-RD-30011, "Proposed Correlation DOE Safety Classes, Performance Categories and Design Requirements" (December 1994), Westinghouse Hanford Company, Richland, WA.

Wise-1, G. M., WHC Ltr 9455108 R1, "New Facility/SSC Interpretation for DOE Order 5480.28" (October 18, 1994), Westinghouse Hanford Company, Richland, WA.

Wise-2, G. M., WHC Ltr 9653887, "Implementation of U.S. Department of Energy (DOE) 5480.28 Natural Phenomena Hazards Mitigation," (September 1996), Westinghouse Hanford Company, Richland, WA.

Wagenblast, G. R., WHC-SD-GN-ER-503, "Procedure for Post-NPH Inspection of Buildings" (September, 1996), Westinghouse Hanford Company, Richland, WA.

Wagenblast, G. R., WHC-SD-GN-ER-504, "Hanford Site Post-NPH Building Inspection Plan" (September, 1996), Westinghouse Hanford Company, Richland, WA.

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APPENDIX A

FACILITY LISTING

Facilities Listing

Building / Area	Description	Perfor. Category / Contractor	Bldg. Code/Year / Building Manager	Year Buildt / Organiztional Manager	Mission	Occupants (Number) / Hazardous Materials	Area m² / SAR Number	ATC-21 Rating / Constur Type	Priority Score / Struct. Accidents	County / State	Number Stories / NPH Evaluation
1100JAD	BUILDING		/			173				Benton	
RCHC	LEASED	KEH	TANNER RM							Washington	
1135JAD	BUILDING		/			14				Benton	
RCHC	LEASED	KEH	TANNER RM							Washington	
1154	RADIO		/				743			Benton	
3000	MAINTENANCE	KEH		TANNER, ROBE						Washington	
1161	NITROGEN		/	11/87			45			Benton	
1100	BOTTLE FACILITY	ADM	DAHLIN, ERIC	MEYER, RICHA						Washington	
1162	FLAMMABLE		/	11/87		2	827			Benton	
1100	MATERIAL	ADM	DAHLIN, ERIC	MEYER, RICHA						Washington	
1163	CENTRAL		/	11/87			16894			Benton	
1100	WAREHOUSE	KEH		TANNER, ROBE						Washington	
1164	HAZARDOUS		/	04/81			186			Benton	
1100	STORAGE	ADM	DAHLIN, ERIC	MEYER, RICHA						Washington	
1167	GENERAL		/	10/53		8	3346			Benton	
1100	STORES	ADM	DAHLIN, ERIC	MEYER, RICHA						Washington	
1167A	EXCESS		/	07/61		8	203			Benton	
1100	SALVAGE	ADM	DAHLIN, ERIC	MEYER, RICHA						Washington	

Building / Area	Description	Perfor. Category / Contractor	Bldg. Code/Year / Building Manager	Year Buildt / Organiztional Manager	Mission	Occupants (Number) / Hazardous Materials	Area m² / SAR Number	ATC-21 Rating / Constur Type	Priority Score / Struct. Accidents	County / State	Number Stories / NPH Evaluation
1168	CYLINDER		/	10/53			382			Benton	
1100	STORAGE	ADM	DAHLIN, ERIC	MEYER, RICHA						Washington	
1169	CHEMICAL		/	07/61			223			Benton	
1100	STORAGE	ADM	DAHLIN, ERIC	MEYER, RICHA						Washington	
1170	BUS TERMINAL		/	12/54		20	619			Benton	
1100	DISPATCHERS	KEH	CICCONE, RIC	TANNER, ROBE						Washington	
1171	MAIN		/	12/54		129	8807			Benton	
1100	TRANSPORTATIO	KEH	WOODS, JAY F	TANNER, ROBE						Washington	
1171C	SPARE PARTS		/				93			Benton	
1100	STORAGE SHED	KEH								Washington	
1172A	SERVICE STATION		/	11/81			28			Benton	
1100		KEH	MEYER, RICH	MEYER, RICHA						Washington	
1173	MOTOR STORES		/	12/54			299			Benton	
1100	BUILDING	KEH	CICCONE, RIC	TANNER, ROBE						Washington	
1175	STORAGE		/	05/68			223			Benton	
1100		KEH	WOODS, JAY F	TANNER, ROBE						Washington	
1176	TIRE STORAGE		/	03/64			74			Benton	
1100	BUILDING	KEH	WOODS, JAY F	TANNER, ROBE						Washington	
1177	STORAGE		/	06/54			71			Benton	
1100	BUILDING	KEH	WOODS, JAY F	TANNER, ROBE						Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt / Mission Organiztional Manager	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
1179 1100	ROAD CREW STORAGE	KEH	/ CICCONE, RIC	TANNER, ROBE		94			Benton Washington	
1200JAD RCHC	BUILDING - TCPC	KEH	/ TANNER RM		317				Benton Washington	
1205 3000	MOTOR FUEL PUMP ISLANDS	KEH	/	TANNER, ROBE		558			Benton Washington	
1209 3000	CURRENTLY BEING USED BY	KEH	/	TANNER, ROBE		104			Benton Washington	
1211 3000	SANDBLAST FACILITY	KEH	/	DIETERLE, STE		84			Benton Washington	
1226 3000	HEAVY EQUIPMENT	KEH	/	TANNER, ROBE		876			Benton Washington	
1227 3000	OIL STORAGE	KEH	/	TANNER, ROBE		89			Benton Washington	
1235 3000	BOTTLED GAS STORAGE	KEH	/	TANNER, ROBE		65			Benton Washington	
1240 3000	FABRICATION SHOP	KEH	/	TANNER, ROBE		4284			Benton Washington	
1241 3000	PLATE SHOP	KEH	/	TANNER, ROBE		520			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
1242 3000	COMPRESSOR SHOP	KEH	/	TANNER, ROBE			89			Benton Washington	
1252 3000	WAREHOUSE AND SAFETY	KEH	/	TANNER, ROBE			1366			Benton Washington	
1253 3000	COMBUSTIBLE MATERIAL	KEH	/	TANNER, ROBE			124			Benton Washington	
1256 3000	ADMINISTRATION BUILDING	KEH	/	TANNER, ROBE			942			Benton Washington	
1262 3000	ADMINISTRATION AND	KEH	/	TANNER, ROBE			565			Benton Washington	
1264 3000	OFFICE BUILDING	KEH	/	TANNER, ROBE			836			Benton Washington	
1506K1 100K	FIBER OPTICS COMPUTER HUT	BCS	/				48			Benton Washington	
150KE 100K	HEAT RECOVERY FACILITY	SNF	/	03/55 SIDDOWAY, DE			88			Benton Washington	
150KW 100K	HEAT RECOVERY FACILITY	SNF	/	03/55 SIDDOWAY, DE			88			Benton Washington	
1512N 100N	GAS BOTTLE STORAGE	KEH	/	WITHERSPOON,			19			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organizational Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
1515N 100N	MULTICRAFT SHOP	KEH	/ WITHERSPOO	02/83 WITHERSPOON,			446			Benton Washington	
1516N 100N	CARPENTER SHOP	KEH	/ WITHERSPOO	WITHERSPOON,			45			Benton Washington	
1517N 100N	PAINT SHOP/LABORER	KEH	/ WITHERSPOO	WITHERSPOON,			74			Benton Washington	
1518N 100N	ELECTRICAL SHOP	KEH	/ MARTIN, RIC	WITHERSPOON,			74			Benton Washington	
1519N 100N	FITTERS SHOP	KEH	/ STAIR, JEFFRE	WITHERSPOON,			74			Benton Washington	
151B 100B	PRIMARY SUBSTATION	KEH	/ FRITZ, ROBER	12/44 DEBBAN, HERB			610			Benton Washington	
151D 100D	PRIMARY SUBSTATION	KEH	/ FRITZ, ROBER	12/44 DEBBAN, HERB			550			Benton Washington	
1614K3 100K	ENVIRONMENTA L MONITORING	SNF	/ THOMPSON, C	04/55 SIDDOWAY, DE			6			Benton Washington	
165KE 100K	POWER CONTROL	SNF	/ MILLER, CHA	03/55 SIDDOWAY, DE			4907			Benton Washington	
1705KE 100K	EFFLUENT WATER	SNF	/ MILLER, CHA	07/62 SIDDOWAY, DE			51			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
1706KE 100K	WATER STUDIES SEMIWORKS	TWR	/ THOMPSON, C	03/55 ERMOLD, LEON		3	1041			Benton Washington	
1706KEL 100K	DEVELOPMENT LABORATORY	TWR	/ THOMPSON, C	04/63 ERMOLD, LEON			625			Benton Washington	
1706KER 100K	WATER STUDIES RECIRCULATION	TWR	/ THOMPSON, C	03/55 ERMOLD, LEON			1074			Benton Washington	
1713KE 100K	SHOP BUILDING	SNF	/ MILLER, CHA	03/49 SIDDOWAY, DE			74			Benton Washington	
1713KW 100K	WAREHOUSE	SNF	/ MILLER, CHA	03/49 SIDDOWAY, DE			28			Benton Washington	
1714KE 100K	OIL AND PAINT STORAGE SHED	SNF	/ MILLER, CHA	03/55 SIDDOWAY, DE			18			Benton Washington	
1717K 100K		SNF	/	03/55 SIDDOWAY, DE						Benton Washington	
1720K 100K	OFFICES AND TELEPHONE	SNF	/ MILLER, CHA	03/55 SIDDOWAY, DE			344			Benton Washington	
1802TD RCHC	BUILDING - LEASED	KEH	/ TANNER RM			29				Benton Washington	
1804TD RCHC	BUILDING - LEASED	KEH	/ TANNER RM			20				Benton Washington	

Building Area	Description	Perfor. Category / Contractor	Bldg. Code/Year / Building Manager	Year Buildt / Organiztional Manager	Mission	Occupants (Number) / Hazardous Materials	Area m 2 / SAR Number	ATC-21 Rating / Constur Type	Priority Score / Struct. Accidents	County / State	Number Stories / NPH Evaluation
1806TD RCHC	BUILDING - LEASED	KEH	/ TANNER RM			29				Benton Washington	
1808TD RCHC	BUILDING - LEASED	KEH	/ TANNER RM			16				Benton Washington	
1810TD RCHC	BUILDING - LEASED	KEH	/ TANNER RM			3				Benton Washington	
1812TD RCHC	BUILDING - LEASED	KEH	/ TANNER RM			1				Benton Washington	
1814TD RCHC	BUILDING - LEASED	KEH	/ TANNER RM			2				Benton Washington	
1816TD RCHC	BUILDING - LEASED	KEH	/ TANNER RM							Benton Washington	
1818TD RCHC	BUILDING - LEASED	KEH	/ TANNER RM			4				Benton Washington	
181B 100B	RIVER PUMP HOUSE, SERVES	KEH	/ DEBBAN, HER	12/44 DEBBAN, HERB			1183			Benton Washington	
181D 100D	RIVER PUMP HOUSE, SERVES	KEH	/ DEBBAN, HER	12/44 DEBBAN, HERB			796			Benton Washington	
181KE 100K	RIVER PUMP HOUSE	SNF	/	03/55 SIDDOWAY, DE						Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
1820TD RCHC	BUILDING LEASED	KEH	/ TANNER RM			18				Benton Washington	
182B 100B	RESERVOIR AND PUMP HOUSE	KEH	/ DEBBAN, HER	12/44 DEBBAN, HERB		4	1366			Benton Washington	
182D 100D	RESERVOIR AND PUMP HOUSE	KEH	/ DEBBAN, HER	12/44 DEBBAN, HERB			1366			Benton Washington	
183.1KE 100K	HEADHOUSE/CHL ORINE	SNF	/	03/55 SIDDOWAY, DE			34			Benton Washington	
183.1KW 100K	HEADHOUSE/CHL ORINE	SNF	/	03/55 SIDDOWAY, DE			34			Benton Washington	
183.5KE 100K	LIME FEEDER BUILDING	SNF	/	03/55 SIDDOWAY, DE			86			Benton Washington	
183.6KE 100K	LIME FEEDER BUILDING	SNF	/	03/55 SIDDOWAY, DE			86			Benton Washington	
183.6KW 100K	LIME FEEDER BUILDING	SNF	/	03/55 SIDDOWAY, DE			86			Benton Washington	
183D 100D	FILTER PLANT POWER	KEH	/ DEBBAN, HER	12/44 DEBBAN, HERB		4	6055			Benton Washington	
183KE 100K	FILTER PLANT HEAD HOUSE,	SNF	/ MILLER, CHA	03/55 SIDDOWAY, DE		4	1741			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
1901Y 600		KEH	/							Benton Washington	
1908KE 100K	EFFLUENT WATER	SNF	/ MILLER, CHA	04/55 SIDDOWAY, DE			14			Benton Washington	
190KE 100K	MAIN PUMP HOUSE	SNF	/ EBBESON, LE	03/55 SIDDOWAY, DE		2	4427			Benton Washington	
1979SNY RCHN	1979 SNYDER	KEH	/ TANNER RM			48				Benton Washington	
1981SNY RCHN	1981 SNYDER	KEH	/ TANNER RM			1				Benton Washington	
201W 200W	INSTRUMENT BUILDING SE	PSS	/ LOONEY, CLA	 DILIBERTO, AN			36			Benton Washington	
2025E 200E	EFFLUENT TREATMENT	PSS	/ WURZ, RICHA	 DILIBERTO, AN		53	3717			Benton Washington	
2025EA 200E	EFFLUENT TREATMENT	KEH	/ GONZALES, RI	12/94 DILIBERTO, AN		47	1208			Benton Washington	
2025EC71 200E	ETF LCU BUILDING	PSS	/	06/95 DILIBERTO, AN			11			Benton Washington	
202A 200E	PUREX CANYON AND SERVICE	TRP	/ HAMRICK, DO	12/55 HAMRICK, DOU		47	17555			Benton Washington	

Building Area	Description	Perfor. Category / Contractor	Bldg. Code/Year / Building Manager	Year Buildt / Organiztional Manager	Mission	Occupants (Number) / Hazardous Materials	Area m² / SAR Number	ATC-21 Rating / Constur Type	Priority Score / Struct. Accidents	County / State	Number Stories / NPH Evaluation
203A 200E	ACID PUMP HOUSE	TRP	/ HAMRICK, DO	12/55 HAMRICK, DOU			76			Benton Washington	
204AR 200E	WASTE UNLOADING	TWR	/ RAVENCRAFT	01/82 WICKS, JAMES			238			Benton Washington	
206A 200E	VACUUM ACID FRACTIONATOR	TRP	/ HAMRICK, DO	12/55 HAMRICK, DOU			118			Benton Washington	
207BA 200E	CBC SAMPLER BUILDING	TRP	/ HEINEMAN, R	06/87 MIDGETT, JOE			6			Benton Washington	
209E 200E	TANK FARM WASTE SUPPORT	TWR	/ GARNER, LISA	WICKS, JAMES		27	742			Benton Washington	
2101M 200E	SPARE PARTS WAREHOUSE,	KEH	/ GONZALES, RI	10/53 TANNER, ROBE		88	15736			Benton Washington	
210A 200E	OIL DRUM STORAGE, PUREX	KEH	/ HAMRICK, DO	HAMRICK, DOU			67			Benton Washington	
211A 200E	CHEMICAL MAKE UP TANK	TRP	/ HAMRICK, DO	11/55 HAMRICK, DOU			271			Benton Washington	
211BA 200E	BCE NEUTRALIZATIO	TRP	/ SMITH, DONA	04/91 MIDGETT, JOE			139			Benton Washington	
211BB 200E	MOTOR CONTROL	TRP	/ HEINEMAN, R	08/92 MIDGETT, JOE			7			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
211T52 200W	211T INSTRUMENT	PSS	/	07/90 HAMILTON, WI			13			Benton Washington	
212A 200E	FISSION PRODUCT LOAD	TRP	/	03/60 HAMRICK, DO HAMRICK, DOU			36			Benton Washington	
212S 200W	COVERED GAS CYL STORAGE	TWR	/	05/91 ERMOLD, LEON			79			Benton Washington	
213A 200E	FISSION PRODUCT LOAD	TRP	/	01/61 HAMRICK, DO HAMRICK, DOU			48			Benton Washington	
213K 600	SODIUM STORAGE	ADM	/	DAHLIN, ERIC MEYER, RICHA						Benton Washington	
213W 200W	WASTE COMPACTOR	TWR	/	08/85 REBER, DAVI WICKS, JAMES			80			Benton Washington	
214A 200E	PUREX WAREHOUSE	TRP	/	03/86 HAMRICK, DO HAMRICK, DOU			94			Benton Washington	
214T 200W	CHEMCIAL STORAGE	PSS	/	09/86 WRIGHT, MAL HAMILTON, WI			143			Benton Washington	
216A27I 200E	VALVE CONTROL HOUSE	TWR	/	01/58 SPARKS, DAVI WICKS, JAMES			9			Benton Washington	
216Z9B 200W	OPERATOR'S CUBICLE 216Z9	PSS	/	12/75 BURKS, DAVI VOGT, ERIC C			12			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
217B 200E	DEMINERALIZATI ON BUILDING	TRP	/ HEINEMAN, R	10/54 MIDGETT, JOE			45			Benton Washington	
219S 200W	RAD WASTE STAGING &	TWR	/ KING, A G	08/52 ERMOLD, LEON			27			Benton Washington	
2200B 200E	CONSTRUCTION PORTAL	KEH	/ FOUCAULT, D	 FOUCAULT, DA			6			Benton Washington	
2201B 200E	CONSTRUCTION ICE HOUSE	KEH	/ FOUCAULT, D	 FOUCAULT, DA			27			Benton Washington	
221A 200E	KEH PIPEFITTER SHOP	KEH	/ HOLLADAY, J	 FOUCAULT, DA			80			Benton Washington	
221B 200E	B PLANT	TRP	/ HEINEMAN, R	12/44 MIDGETT, JOE			7760			Benton Washington	
221BA 200E	COOLING WATER MONITORING	TRP	/ HEINEMAN, R	12/67 MIDGETT, JOE			6			Benton Washington	
221BB 200E	PROCESS STEAM AND	TRP	/ HEINEMAN, R	04/68 MIDGETT, JOE			27			Benton Washington	
221BC 200E	SWP CHANGE HOUSE	TRP	/ HEINEMAN, R	12/67 MIDGETT, JOE			72			Benton Washington	
221BD 200E	LAUNDRY STORAGE	TRP	/ HEINEMAN, R	06/65 MIDGETT, JOE			54			Benton Washington	

Building Area	Description	Perfor. Category / Contractor	Bldg. Code/Year / Building Manager	Year Buildt / Organiztional Manager	Mission	Occupants (Number) / Hazardous Materials	Area m² / SAR Number	ATC-21 Rating / Constur Type	Priority Score / Struct. Accidents	County / State	Number Stories / NPH Evaluation
221BE 200E	FORK LIFT STORAGE	TRP	/ HEINEMAN, R	06/71 MIDGETT, JOE			11			Benton Washington	
221BF 200E	CONDENSATE EFFLUENT	TRP	/ HEINEMAN, R	02/76 MIDGETT, JOE			89			Benton Washington	
221BG 200E	B PLANT COOLING WATER	TRP	/ HEINEMAN, R	06/87 MIDGETT, JOE			13			Benton Washington	
221T 200W	PROCESS, CANYON,	PSS	/ WRIGHT, MAL	12/44 HAMILTON, WI		34	9081			Benton Washington	
221TA 200W	VENT FAN HOUSE	PSS	/ WRIGHT, MAL	07/68 HAMILTON, WI			120			Benton Washington	
222B 200E	OFFICE BUILDING	TRP	/ MIDGETT, JOE	12/44 MIDGETT, JOE		19	695			Benton Washington	
222S 200W	CONTROL LABORATORY	TWR	/ KING, A G	08/52 ERMOLD, LEON		148	5592			Benton Washington	
222SA 200W	STANDARDS/PRO CESS DEV	TWR	/ KING, A G	ERMOLD, LEON		7	418			Benton Washington	
222SF 200W	EQUIPMENT STORAGE	TWR	/ KING, A G	12/84 ERMOLD, LEON			71			Benton Washington	
222T 200W	OFFICE ADMINISTRATION	KEH	/ GONZALES, RI	01/44 TANNER, ROBE		1	682			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
222U 200W	OFFICE AND LABORATORY	KEH	/ GONZALES, RI	01/45 TANNER, ROBE			698			Benton Washington	
2244B 200E	MULTI CRAFT FABRICATION	KEH	/ FOUCAULT, D	FOUCAULT, DA			335			Benton Washington	
2245B 200E	ELECTRICIAN'S LUNCHROOM/OF	KEH	/ FOUCAULT, D	FOUCAULT, DA			74			Benton Washington	
2247B 200E	IRONWORKER'S SHOP KEH	KEH	/ FOUCAULT, D	FOUCAULT, DA			204			Benton Washington	
224T 200W	TRANSURANIC STORAGE AND	PSS	/ CRANE, PAUL	08/72 HAMILTON, WI			3002			Benton Washington	
225B 200E	WASTE ENCAPSULATION	TRP	/ HEINEMAN, R	03/73 MIDGETT, JOE		11	1902			Benton Washington	
225BA 200E	K1 FILTER PIT ENCAPSULATION	TRP	/ HEINEMAN, R	03/73 MIDGETT, JOE			73			Benton Washington	
225BB 200E	K3 FILTER PIT ENCAPSULATION	TRP	/ HEINEMAN, R	03/73 MIDGETT, JOE			74			Benton Washington	
225BC 200E	ENCAPSULATION COMPRESSOR	TRP	/ HEINEMAN, R	03/73 MIDGETT, JOE			94			Benton Washington	
225BD 200E	ENCAPSULATION WASTE	TRP	/ HEINEMAN, R	03/73 MIDGETT, JOE			22			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
225BE 200E	ENCAPSULATION MAINTENANCE	TRP	/ GONZALES, RI	09/77 MIDGETT, JOE		13	297			Benton Washington	
225E 200E	PUMP STATION NO.2 & LOCAL	PSS	/ WURZ, RICHA	12/94 DILIBERTO, AN			84			Benton Washington	
225EC 200E	LOCAL CONTROL UNIT 55C-13	TRP	/ WURZ, RICHA	12/94 HAMRICK, DOU			11			Benton Washington	
225W 200W	PUMP STATION NO.1 & LOCAL	PSS	/ WURZ, RICHA	12/94 DILIBERTO, AN			84			Benton Washington	
225WA 200W	LOCAL CNTRL UNIT 55C-21	PSS	/ HAMILTON, W	12/94 HAMILTON, WI			11			Benton Washington	
225WB 200W	LOCAL CNTRL UNIT 55C-22	TWR	/ KING, A G	12/94 ERMOLD, LEON			11			Benton Washington	
225WC 200W	INSTRUMENTATI ON & LOCAL	TRP	/ BURKS, DAVI	12/94 VOGT, ERIC C			28			Benton Washington	
2261STV RCHN	2261 STEVENS DRIVE	KEH	/ TANNER RM							Benton Washington	
2300W 200W	ELECTRICIAN'S SHOP	KEH	/ HOLLADAY, J	 FOUCAULT, DA			149			Benton Washington	
2304W 200W	PIPEFITTER'S SHOP	KEH	/ HOLLADAY, J	 FOUCAULT, DA			112			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
2306W 200W	BOTTLE STORAGE	KEH	/ HOLLADAY, J	FOUCAULT, DA			19			Benton Washington	
2307W 200W	PIPEFITTER STORAGE	KEH	/ HOLLADAY, J	FOUCAULT, DA			79			Benton Washington	
2308W 200W	CARPENTER'S SHOP	KEH	/ HOLLADAY, J	FOUCAULT, DA			74			Benton Washington	
2309W 200W	SHEETMETAL SHOP	KEH	/ HOLLADAY, J	FOUCAULT, DA			372			Benton Washington	
2310W 200W	MATERIAL STORAGE	KEH	/	FOUCAULT, DA			279			Benton Washington	
231Z 200W	MATERIALS ENGINEERING	KEH	/ GONZALES, RI	12/44 TANNER, ROBE			3543			Benton Washington	
2345Z 200W		TRP	/	06/50 VOGT, ERIC C						Benton Washington	
2345ZA 200W		TRP	/	10/92 VOGT, ERIC C						Benton Washington	
234ZB 200W	WASTE MATERIAL	TRP	/ VOGT, ERIC C	01/45 VOGT, ERIC C			100			Benton Washington	
236Z 200W	PLUTONIUM RECLAMATION	TRP	/ VOGT, ERIC C	06/64 VOGT, ERIC C			1899			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
2400E 200E	DRY MATERIAL FACILITY	TWR	/ BADDEN, JAM	04/87 WICKS, JAMES			46			Benton Washington	
2401W 200W	MIXED WASTE STORAGE	PSS	/ CRANE, PAUL	04/89 HAMILTON, WI			372			Benton Washington	
2402W 200W	MIXED WASTE STORAGE	PSS	/ CRANE, PAUL	02/91 HAMILTON, WI			372			Benton Washington	
2402WB 200W	MIXED WASTE STORAGE	PSS	/ CRANE, PAUL	11/90 HAMILTON, WI			372			Benton Washington	
2402WC 200W	MIXED WASTE STORAGE	PSS	/ CRANE, PAUL	11/90 HAMILTON, WI			372			Benton Washington	
2402WD 200W	MIXED WASTE STORAGE	PSS	/ CRANE, PAUL	11/90 HAMILTON, WI			372			Benton Washington	
2402WE 200W	MIXED WASTE STORAGE	PSS	/ CRANE, PAUL	11/90 HAMILTON, WI			372			Benton Washington	
2402WF 200W	MIXED WASTE STORAGE	PSS	/ CRANE, PAUL	11/90 HAMILTON, WI			372			Benton Washington	
2402WG 200W	RMW STORAGE FACILITY #7	PSS	/ CRANE, PAUL	11/90 HAMILTON, WI			372			Benton Washington	
2402WH 200W	RMW STORAGE FACILITY #8	PSS	/ CRANE, PAUL	11/90 HAMILTON, WI			372			Benton Washington	

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2402WI 200W	RMW STORAGE FACILITY #9	PSS	/ CRANE, PAUL	11/90 HAMILTON, WI			372			Benton Washington	
2402WJ 200W	RMW STORAGE FACILITY #10	PSS	/ CRANE, PAUL	11/90 HAMILTON, WI			372			Benton Washington	
2402WK 200W	RMW STORAGE FACILITY #11	PSS	/ CRANE, PAUL	11/90 HAMILTON, WI			372			Benton Washington	
2402WL 200W	RMW STORAGE FACILITY #12	PSS	/ CRANE, PAUL	11/90 HAMILTON, WI			372			Benton Washington	
2403E 200E	DMRHF DRY BLENDED	TWR	/ BADDEN, JAM	04/87 WICKS, JAMES			19			Benton Washington	
2403EA 200E	COMPRESSOR LEANTO	TWR	/ MURKOWSKI,	04/87 WICKS, JAMES			24			Benton Washington	
2403WA 200W	RMW STORAGE FACILITY	PSS	/ CRANE, PAUL	10/92 HAMILTON, WI			3160			Benton Washington	
2403WB 200W	RMW STORAGE FACILITY	PSS	/ CRANE, PAUL	10/92 HAMILTON, WI			3160			Benton Washington	
2403WC 200W	RMW STORAGE FACILITY	PSS	/ CRANE, PAUL	10/92 HAMILTON, WI			3160			Benton Washington	
2403WD 200W	RMW STORAGE FACILITY	PSS	/ CRANE, PAUL	10/92 HAMILTON, WI			5135			Benton Washington	

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2404E 200E	DMRHF COMPRESSOR	TWR	/ BADDEN, JAM	04/87 WICKS, JAMES						Benton Washington	
2420STV RCHN	2420 STEVENS CTR CIR	KEH	/ TANNER RM			289				Benton Washington	
2425STV RCHN	2425 STEVENS CTR CIR	KEH	/ TANNER RM			107				Benton Washington	
242A 200E	EVAPORATOR	TWR	/ GEARY, JAME	04/77 WICKS, JAMES		21	777			Benton Washington	
242A81 200E	WATER SERVICE BUILDING	TWR	/	WICKS, JAMES			52			Benton Washington	
242AC 200E	PIPEFITTERS SHOP	KEH	/ DEMPSEY, KEI	DEMPSEY, KEIT			74			Benton Washington	
242AL11 200E	LERF STORAGE BUILDING	TWR	/ GEARY, JAME	07/94 WICKS, JAMES			46			Benton Washington	
242S 200W	EVAPORATOR FACILITY	TWR	/ WICKS, JAMES	03/74 WICKS, JAMES						Benton Washington	
242T 200W	WASTE DISPOSAL	TWR	/ WICKS, JAMES	05/51 WICKS, JAMES			252			Benton Washington	
242TB 200W	VENT HOUSE	TWR	/ ROSS, WILLIA	11/73 WICKS, JAMES			18			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
242TC 200W	TANK FARM MICROCOMPUTE	TWR	/ WICKS, JAMES	07/80 WICKS, JAMES						Benton Washington	
242Z 200W	WASTE TREATMENT	TRP	/ VOGT, ERIC C	06/64 VOGT, ERIC C			98			Benton Washington	
242ZA 200W	MONITORING BUILDING	TRP	/ VOGT, ERIC C	05/87 VOGT, ERIC C						Benton Washington	
2430STV RCHN	2430 STEVENS CTR CIR	KEH	/ TANNER RM			133				Benton Washington	
243G 200E	GROUT FACILITY	TWR	/ RAVENCRAFT	08/86 WICKS, JAMES						Benton Washington	
243G1 200E	GROUT PROCESSING	TWR	/							Benton Washington	
243G1A 200E	GROUT PROCESSING	TWR	/ RAVENCRAFT				33			Benton Washington	
243G4 200E	GPF CONTROL ROOM MODULE	PSS	/ RAVENCRAFT			1	19			Benton Washington	
243G5 200E	GPF STANDBY GENERATOR	TWR	/							Benton Washington	
243G8 200E	GPF FILTRATION MODULE	KEH	/							Benton Washington	

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243G82 200E	GROUT PROCESSING	TWR	/				5			Benton Washington	
243TGE 200E		TWR	/							Benton Washington	
243Z 200W	LOW LEVEL WASTE	TRP	/ TALBOT, MIC	12/93 VOGT, ERIC C			228			Benton Washington	
2440STV RCHN	2440 STEVENS CTR CIR	KEH	/ TANNER RM			346				Benton Washington	
244A 200E	WASTE VAULT AND	TWR	/ RAVENCRAFT	04/77 WICKS, JAMES			11			Benton Washington	
244AR 200E	SLUDGE VAULT STORAGE AND	TWR	/ RAVENCRAFT	01/68 WICKS, JAMES			347			Benton Washington	
244AR701 200E	EMERGENCY GENERATOR	TWR	/ RAVENCRAFT	06/73 WICKS, JAMES			7			Benton Washington	
244AR715 200E	COMPRESSOR BUILDING	TWR	/ RAVENCRAFT	12/87 WICKS, JAMES						Benton Washington	
244BX 200E	SALT WELL RECEIVER VAULT	TWR	/ REBER, DAVI	WICKS, JAMES			13			Benton Washington	
244S271 200W	INSTRUMENT CONTROL HOUSE	TWR	/ WICKS, JAMES	04/81 WICKS, JAMES			18			Benton Washington	

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244U 200W	SALT WELL RECEIVER VAULT	TWR	/ WICKS, JAMES	WICKS, JAMES			16			Benton Washington	
244U1 200W		TWR	/	WICKS, JAMES						Benton Washington	
2506E1 200E	TELECOMMUNIC ATION HUB	BCS	/	08/94 ESTEY, SANDR			42			Benton Washington	
2506E2 200E	TELECOMMUNIC ATIONS HUB	BCS	/	08/94 ESTEY, SANDR			42			Benton Washington	
2506E3 200E	TELECOMMUNIC ATIONS HUB	BCS	/	ESTEY, SANDR			42			Benton Washington	
2506W1 200W	TELECOMMUNIC ATION HUB	BCS	/	08/94 ESTEY, SANDR			42			Benton Washington	
2506W2 200W	TELECOMMUNIC ATION HUB	BCS	/	08/94 ESTEY, SANDR			42			Benton Washington	
2506W3 200W		BCS	/	ESTEY, SANDR						Benton Washington	
251W 600	PRIMARY 230kV SWITCHING	KEH	/ FRITZ, ROBER	12/44 DEBBAN, HERB		6	388			Benton Washington	
252E 200E	ELECTRICAL SWITCHING	KEH	/ FRITZ, ROBER	12/44 DEBBAN, HERB			34			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
252S 200W	SUBSTATION BUILDING 13.8KV	KEH	/	06/96 DEBBAN, HERB			75			Benton Washington	
252W 200W	ELECTRICAL SWITCHING	KEH	/	12/44 DEBBAN, HERB			34			Benton Washington	
254BY 200E	CONTROL HOUSE	TWR	/	02/68 WICKS, JAMES			69			Benton Washington	
2614E2 200E	ENVIRONMENTA L MONITORING	WAE	/	DIXON, WILLIA			5			Benton Washington	
2614W2 200W	ENVIRONMENTA L MONITORING	WAE	/	DIXON, WILLIA			5			Benton Washington	
2614W4 200W	MONITOR STATION	WAE	/	DIXON, WILLIA			5			Benton Washington	
2614W5 200W	ENVIRONMENTA L MONITORING	WAE	/	DIXON, WILLIA			5			Benton Washington	
2614WD 200W	MONITORING STATION	TRP	/	01/44 HAMRICK, DOU						Benton Washington	
267Z 200W	RISER #9 VALVE HOUSE	TRP	/	06/88 VOGT, ERIC C						Benton Washington	
2701AB 200E	PUREX BADGE HOUSE	TRP	/	08/82 HAMRICK, DOU			63			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
2701AC 200E	PUREX PATROL GUARD SHACK	TRP	/ HAMRICK, DO	HAMRICK, DOU			2			Benton Washington	
2701EC 200E	GUARD STATION FOR 209E	KEH	/ GONZALES, RI	TANNER, ROBE			12			Benton Washington	
2701HV 200E	TIMEKEEPING/SE CURITY	TWR	/	12/94 ERMOLD, LEON		2	167			Benton Washington	
2701M 200E	OFFICE BUILDING	KEH	/ GONZALES, RI	10/53 TANNER, ROBE			29			Benton Washington	
2701ZA 200W	CENTRAL ALARM STATION	TRP	/ VOGT, ERIC C	05/78 VOGT, ERIC C			210			Benton Washington	
2701ZD 200W	PLUTONIUM FINISHING	TRP	/ VOGT, ERIC C	06/92 VOGT, ERIC C			204			Benton Washington	
2702Z 200W	COMMUNICATIO NS SUPPORT	BCS	/ HARDING, RO	ESTEY, SANDR			28			Benton Washington	
2703E 200E	CHEMICAL ENGINEERING	TWR	/ SCHLIEBE, MI	05/83 WICKS, JAMES						Benton Washington	
2704C 200E	OFFICE ADMINISTRATION	KEH	/ GONZALES, RI	10/52 TANNER, ROBE			95			Benton Washington	
2704HV 200E	TWRS OFFICE BUILDING	TWR	/	12/94 ERMOLD, LEON		272	11152			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
2704S 200W	OFFICE BUILDING	KEH	/ GONZALES, RI	07/93 ERMOLD, LEON		37	760			Benton Washington	
2704W 200W	OFFICE BUILDING	KEH	/ GONZALES, RI	01/45 TANNER, ROBE		15	600			Benton Washington	
2704Z 200W	OFFICE ADMINISTRATION	TRP	/ VOGT, ERIC C	08/49 VOGT, ERIC C		12	363			Benton Washington	
2705Z 200W	PFP OPERATIONS CONTROL	TRP	/	06/92 VOGT, ERIC C		1	102			Benton Washington	
2706T 200W	EQUIPMENT DECONTAMINATI	PSS	/ WRIGHT, MAL	12/59 HAMILTON, WI			309			Benton Washington	
2707AR 200E	SLUDGE VAULT CHANGE HOUSE	TWR	/ RAVENCRAFT	01/68 WICKS, JAMES			40			Benton Washington	
2707AX 200E	CHANGE HOUSE AX FARM	TWR	/ SPARKS, DAVI	02/65 WICKS, JAMES			30			Benton Washington	
2707E 200E	CHANGE HOUSE	KEH	/ GONZALES, RI	12/44 TANNER, ROBE			307			Benton Washington	
2707SX 200W	CHANGE HOUSE	TWR	/ WICKS, JAMES	06/60 WICKS, JAMES			134			Benton Washington	
2707W 200W	CHANGE HOUSE	KEH	/ GONZALES, RI	12/44 TANNER, ROBE		27	243			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
2709A 200E	PUREX RAILROAD CUT	TRP	/ HAMRICK, DO	HAMRICK, DOU			19			Benton Washington	
2709W 200W	OFFICE BUILDING	KEH	/ GONZALES, RI	06/65 TANNER, ROBE			173			Benton Washington	
270Z 200W	PFP OPERATIONS AND SUPPORT	TRP	/ VOGT, ERIC C	05/89 VOGT, ERIC C		88	1208			Benton Washington	
2710E 200E	COAL HANDLERS SHELTER	KEH	/ DEBBAN, HER	12/55 DEBBAN, HERB			24			Benton Washington	
2710W 200W	COAL HANDLERS SHELTER	KEH	/ DEBBAN, HER	07/69 DEBBAN, HERB			17			Benton Washington	
2711A 200E	AIR COMPRESSOR	TRP	/ HAMRICK, DO	12/82 HAMRICK, DOU			84			Benton Washington	
2711B 200E	BREATHING AIR COMPRESSOR	TRP	/ HEINEMAN, R	12/67 MIDGETT, JOE			8			Benton Washington	
2711E 200E	2E GARAGE	KEH	/ GONZALES, RI	03/85 TANNER, ROBE		24	586			Benton Washington	
2711EA 200E	REGULATED EQUIPMENT	KEH	/ GONZALES, RI	12/94 TANNER, ROBE			372			Benton Washington	
2712A 200E	PUMPHOUSE	TRP	/ HAMRICK, DO	03/86 HAMRICK, DOU			37			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
2712B 200E	ELECTRICAL INSTRUMENTATI	TRP	/ REBER, DAVI	MIDGETT, JOE			2			Benton Washington	
2712T 200W	ELECTRICAL INSTRUMENTATI	TWR	/	WICKS, JAMES						Benton Washington	
2713E 200E	OFFICE ADMINISTRATION	KEH	/ GONZALES, RI	12/44 TANNER, ROBE			384			Benton Washington	
2713W 200W	GARAGE	PSS	/ GONZALES, RI	12/44 DILIBERTO, AN		5	387			Benton Washington	
2713WB 200W	REGULATED GARAGE AND	TWR	/ OWEN, PETER	12/44 WICKS, JAMES			572			Benton Washington	
2713WC 200W	PESTICIDE WASHWATER	KEH	/	DILIBERTO, AN			163			Benton Washington	
2714A 200E	DRY CHEMICAL WAREHOUSE	TRP	/ HAMRICK, DO	12/55 HAMRICK, DOU			209			Benton Washington	
2714AR 200E	SLUDGE VAULT GENERAL	TWR	/ RAVENCRAFT	10/69 WICKS, JAMES			7			Benton Washington	
2714U 200W	WAREHOUSE	TRP	/ KAMMENZIN	04/52 HAMRICK, DOU			401			Benton Washington	
2715B 200E	PAINT STORAGE BUILDING	TRP	/ HEINEMAN, R	MIDGETT, JOE			24			Benton Washington	

Building Area	Description	Perfor. Category / Contractor	Bldg. Code/Year / Building Manager	Year Buildt / Organiztional Manager	Mission	Occupants (Number) / Hazardous Materials	Area m² / SAR Number	ATC-21 Rating / Constur Type	Priority Score / Struct. Accidents	County / State	Number Stories / NPH Evaluation
2715E 200E	STORAGE BUILDING	KEH	/ GONZALES, RI	12/44 TANNER, ROBE			88			Benton Washington	
2715EA 200E	DRUM STORAGE SHED	KEH	/ GONZALES, RI	TANNER, ROBE			18			Benton Washington	
2715EC 200E	PAINT SHOP	KEH	/ GONZALES, RI	12/83 TANNER, ROBE			93			Benton Washington	
2715ED 200E	PAINT STORAGE FACILITY	KEH	/ GONZALES, RI	12/83 TANNER, ROBE			56			Benton Washington	
2715M 200E	PAINT STORAGE BUILDING	KEH	/ GONZALES, RI	10/53 TANNER, ROBE			51			Benton Washington	
2715T 200W	PAINT STORAGE BUILDING	PSS	/ WRIGHT, MAL	11/65 HAMILTON, WI		1	54			Benton Washington	
2715Z 200W	OIL AND SOLVENT	TRP	/ HAMRICK, DO	05/58 VOGT, ERIC C			18			Benton Washington	
2715ZL 200W	OIL STORAGE BUILDING	TRP	/ VOGT, ERIC C	VOGT, ERIC C			21			Benton Washington	
2716B 200E	RM CHECKOUT STATION, RR	TRP	/ HEINEMAN, R	06/66 MIDGETT, JOE			20			Benton Washington	
2716E 200E	POWER MAINTENANCE	KEH	/ DEBBAN, HER	04/68 DEBBAN, HERB			74			Benton Washington	

Building Area	Description	Perfor. Category / Contractor	Bldg. Code/Year / Building Manager	Year Build / Organiztional Manager	Mission	Occupants (Number) / Hazardous Materials	Area m^2 / SAR Number	ATC-21 Rating / Constur Type	Priority Score / Struct. Accidents	County / State	Number Stories / NPH Evaluation
2716S 200W	LABORATORY STORAGE	TWR	/ KING, A G	09/82 ERMOLD, LEON			139			Benton Washington	
2719E 200E	OFFICE MACHINE	KEH	/ GONZALES, RI	12/44 TANNER, ROBE			77			Benton Washington	
2719EA 200E	MEDICAL AID STATION	KEH	/ GONZALES, RI	03/81 TANNER, ROBE			139			Benton Washington	
2719WA 200W	FIRST AID STATION AND	KEH	/ GONZALES, RI	08/49 TANNER, ROBE		2	237			Benton Washington	
2719WB 200W	MODULAR FIRST AID STATION - TE	KEH	/ GONZALES, RI	05/95 TANNER, ROBE			172			Benton Washington	
271AB 200E	PUREX MAINTENANCE	TRP	/ HAMRICK, DO	11/86 HAMRICK, DOU		39	558			Benton Washington	
271B 200E	B PLANT SUPPORT	TRP	/ HEINEMAN, R	12/44 MIDGETT, JOE		93	2853			Benton Washington	
271BA 200E	LAUNDRY STORAGE BLDG	TRP	/ HEINEMAN, R	MIDGETT, JOE			32			Benton Washington	
271CR 200E	SERVICE AND OFFICE BUILDING	TWR	/ ROSS, WILLIA	04/52 WICKS, JAMES			125			Benton Washington	
271T 200W	OFFICE AND SERVICE	PSS	/ WRIGHT, MAL	12/44 HAMILTON, WI		108	2853			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
2720W 200W	SRT PATROL HQ/CHANGE	KEH	/ GONZALES, RI	12/83 TANNER, ROBE		31	206			Benton Washington	
2721E 200E	PATROL HEADQUARTERS -	KEH	/ GONZALES, RI	12/83 TANNER, ROBE		20	847			Benton Washington	
2721EA 200E	FIRE SYSTEMS MAINTENANCE	ESQ	/ GOOD, DONA	09/84 GOOD, DONAL		25	2379			Benton Washington	
2721Z 200W	EMERGENCY GENERATOR	TRP	/ VOGT, ERIC C	10/83 VOGT, ERIC C						Benton Washington	
2722E 200E	OFFICE BUILDING	KEH	/ GONZALES, RI	12/44 TANNER, ROBE			112			Benton Washington	
2722W 200W	WELDING LABORATORY	KEH	/ GONZALES, RI	12/44 TANNER, ROBE		1	137			Benton Washington	
2723W 200W	MASK LAUNDRY AND OFFICE	KEH	/ GONZALES, RI	12/44 TANNER, ROBE		28	420			Benton Washington	
2724A 200E	RADIATION MONITORING	TWR	/ HAMRICK, DO	12/80 WICKS, JAMES			6			Benton Washington	
2724AY 200E	RADIATION MONITORING	TWR	/ SPARKS, DAVI	12/80 WICKS, JAMES			6			Benton Washington	
2724AZ 200E	CHANGE HOUSE, TANK FARMS	TWR	/ SPARKS, DAVI	12/80 WICKS, JAMES						Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
2724B 200E	RAD. MONITORING	TWR	/ REBER, DAVI	12/80 WICKS, JAMES			6			Benton Washington	
2724BX 200E	RAD. MONITORING	TWR	/ REBER, DAVI	12/80 WICKS, JAMES			6			Benton Washington	
2724BY 200E	RAD. MONITORING	TWR	/ REBER, DAVI	12/80 WICKS, JAMES			6			Benton Washington	
2724C 200E	RADIATION MONITORING	TWR	/ SPARKS, DAVI	12/80 WICKS, JAMES			6			Benton Washington	
2724CA 200E	RADIATION MONITORING	TWR	/ HAMRICK, DO	12/80 WICKS, JAMES			6			Benton Washington	
2724SX 200W	RADIATION MONITORING	TWR	/ WICKS, JAMES				6			Benton Washington	
2724SY 200W	RADIATION MONITORING	TWR	/ WICKS, JAMES				6			Benton Washington	
2724T 200W	RADIATION MONITORING	TWR	/ WICKS, JAMES				6			Benton Washington	
2724TX 200W	RADIATION MONITORING	TWR	/ WICKS, JAMES				6			Benton Washington	
2724TXA 200W	RADIATION MONITORING	TWR	/ WICKS, JAMES				6			Benton Washington	

Building Area	Description	Perfor. Category / Contractor	Bldg. Code/Year / Building Manager	Year Buildt / Organiztional Manager	Mission	Occupants (Number) / Hazardous Materials	Area m² / SAR Number	ATC-21 Rating / Constur Type	Priority Score / Struct. Accidents	County / State	Number Stories / NPH Evaluation
2724TXB 200W	RADIATION MONITORING	TWR	/ WICKS, JAMES				6			Benton Washington	
2724WB 200W	STORAGE BUILDING	KEH	/ GONZALES, RI	12/79 TANNER, ROBE			149			Benton Washington	
2725Z 200W	STORAGE BUILDING	TRP	/ VOGT, ERIC C	03/65 VOGT, ERIC C			37			Benton Washington	
2727E 200E	SAFEGUARDS AND SECURITY	KEH	/ GONZALES, RI	01/85 TANNER, ROBE		37	1766			Benton Washington	
2727W 200W	SODIUM STORAGE	TWR	/ CRANE, PAUL	10/68 WICKS, JAMES			251			Benton Washington	
2727WA 200W	SODIUM STORAGE	TWR	/ HAPKE, PAUL	WICKS, JAMES						Benton Washington	
2727Z 200W	SUPPLY STORAGE	TRP	/ VOGT, ERIC C	06/66 VOGT, ERIC C			42			Benton Washington	
2728W 200W	DIMENSIONAL INSPECTION	KEH	/ GONZALES, RI	10/79 TANNER, ROBE		2	93			Benton Washington	
2729Z 200W	STORAGE BUILDING	TRP	/ VOGT, ERIC C	06/66 VOGT, ERIC C			149			Benton Washington	
272A 200E	MAINTENANCE STORAGE	TWR	/ HAMRICK, DO			1	45			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
272AW 200E	TANK FARM OPERATIONS	TWR	/ ROSS, WILLIA	01/80 WICKS, JAMES		182				Benton Washington	
272B 200E	ELECTRICAL MAINTENANCE	TRP	/ HEINEMAN, R	06/60 MIDGETT, JOE		9	164			Benton Washington	
272BA 200E	DRY MATERIAL STORAGE	TRP	/ HEINEMAN, R	 MIDGETT, JOE			89			Benton Washington	
272BB 200E	INSULATION SHOP	TRP	/ HEINEMAN, R	 MIDGETT, JOE		3	74			Benton Washington	
272BC 200E	CONSTRUCTION MULTICRAFT	KEH	/ HEINEMAN, R	 FOUCAULT, DA			232			Benton Washington	
272E 200E	FABRICATION, MOCKUP SHOP	KEH	/ GONZALES, RI	12/44 TANNER, ROBE		24	1603			Benton Washington	
272HV 200E		TWR	/	12/94 ERMOLD, LEON						Benton Washington	
272S 200W	MAINTENANCE SHOP	KEH	/ GONZALES, RI	06/75 TANNER, ROBE		18	421			Benton Washington	
272W 200W	MACHINE SHOP BUILDING	KEH	/ GONZALES, RI	12/44 TANNER, ROBE		21	1547			Benton Washington	
272WA 200W	TANK FARM SUPPORT	TWR	/ MERCADO, L	08/85 WICKS, JAMES		71	1738			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
2731Z 200W	STORAGE BUILDING	TRP	/ VOGT, ERIC C	06/66 VOGT, ERIC C			71			Benton Washington	
2731ZA 200W	CONTAINER STORAGE	TRP	/ VOGT, ERIC C	10/83 VOGT, ERIC C			70			Benton Washington	
2734ZA 200W	GAS STORAGE (INACTIVE)	TRP	/				8			Benton Washington	
2734ZC 200W	GAS STORAGE	TRP	/				8			Benton Washington	
2734ZJ 200W	LIQUID NITROGEN	TRP	/							Benton Washington	
2734ZL 200W	HYDROGEN FLUORIDE	TRP	/ VOGT, ERIC C	VOGT, ERIC C			17			Benton Washington	
2736Z 200W	PLUTONIUM STORAGE	TRP	/ VOGT, ERIC C	11/71 VOGT, ERIC C			344			Benton Washington	
2736ZB 200W	PLUTONIUM STORAGE	TRP	/ VOGT, ERIC C	10/83 VOGT, ERIC C		15	1113			Benton Washington	
273E 200E	MATERIAL STORAGE	KEH	/ GONZALES, RI	10/81 TANNER, ROBE			558			Benton Washington	
273EA 200E		TWR	/	09/86 WICKS, JAMES						Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Mission Buildt Organiztional Manager	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
273W 200W	MATERIAL STORAGE	KEH	/ GONZALES, RI	10/81 TANNER, ROBE		558			Benton Washington	
274AW 200E	OFFICE BUILDING	KEH	/ GONZALES, RI	04/94 WICKS, JAMES	41	836			Benton Washington	
274E 200E	LANDLORD AND MAINTENANCE	KEH	/ GONZALES, RI	12/44 TANNER, ROBE	49	352			Benton Washington	
274W 200W	OFFICE BUILDING	KEH	/ GONZALES, RI	01/45 TANNER, ROBE		355			Benton Washington	
2750E 200E	WASTE MANAGEMENT	KEH	/ GONZALES, RI	07/80 TANNER, ROBE	307	8922			Benton Washington	
2751E 200E	OFFICE FACILITY	KEH	/ GONZALES, RI	06/85 TANNER, ROBE	56	1394			Benton Washington	
2752E 200E	200 EAST OFFICE	KEH	/ GONZALES, RI	07/85 TANNER, ROBE	56	1394			Benton Washington	
2753E 200E	OFFICE BUILDING W/O	KEH	/ GONZALES, RI	06/86 TANNER, ROBE	43	1394			Benton Washington	
275E 200E	CARPENTER SHOP BUILDING	KEH	/ GONZALES, RI	12/44 TANNER, ROBE	11	352			Benton Washington	
275EA 200E	WAREHOUSE ESSENTIAL	KEH	/ GONZALES, RI	12/55 TANNER, ROBE		3346			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
275UR 200W	CHEMICAL STORAGE	KEH	/ GONZALES, RI	04/52 TANNER, ROBE		3	268			Benton Washington	
275W 200W	HEAVY EQUIPMENT SHOP	KEH	/ GONZALES, RI	12/44 TANNER, ROBE		14	352			Benton Washington	
276B 200E	PAINT SHOP	TRP	/ HEINEMAN, R	12/67 MIDGETT, JOE			52			Benton Washington	
277A 200E	ALL-CRAFT FAB SHOP	PSS	/	11/94 KELLY, JAMES			297			Benton Washington	
277T 200W	BLOW DOWN BUILDING	PSS	/ WRIGHT, MAL	HAMILTON, WI			112			Benton Washington	
277W 200W	FABRICATION SHOP	KEH	/ GONZALES, RI	02/52 TANNER, ROBE		23	2711			Benton Washington	
278AW 200E	TANK FARM DOCUMENT	KEH	/ GONZALES, RI	02/94 WICKS, JAMES		5	172			Benton Washington	
278WA 200W	TANK FARM DOCUMENT	TWR	/ GONZALES, RI	12/93 WICKS, JAMES		25	172			Benton Washington	
281A 200E	BACKUP GENERATOR	TRP	/ HAMRICK, DO	08/83 HAMRICK, DOU			134			Benton Washington	
282B 200E	WATER PUMP HOUSE SOUTH	TRP	/ HEINEMAN, R	01/63 MIDGETT, JOE			21			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
282BA 200E	WATER PUMP HOUSE NORTH	TRP	/ HEINEMAN, R	12/67 MIDGETT, JOE			21			Benton Washington	
282E 200E	PUMP HOUSE AND RESERVIOR	KEH	/ DEBBAN, HER	12/44 DEBBAN, HERB			133			Benton Washington	
282EA 200E	WATER RESERVOIR	KEH	/ DEBBAN, HER	12/44 DEBBAN, HERB			17			Benton Washington	
282EB 200E	WATER RESERVOIR	KEH	/ DEBBAN, HER	11/67 DEBBAN, HERB			20			Benton Washington	
282W 200W	RESERVOIR PUMP HOUSE	KEH	/ DEBBAN, HER	12/44 DEBBAN, HERB			133			Benton Washington	
282WA 200W	WATER INLET HOUSE	KEH	/ DEBBAN, HER	12/44 DEBBAN, HERB			17			Benton Washington	
283E 200E	WATER FILTRATION	KEH	/ DEBBAN, HER	12/44 DEBBAN, HERB			697			Benton Washington	
283W 200W	WATER FILTRATION	KEH	/ DEBBAN, HER	12/44 DEBBAN, HERB			771			Benton Washington	
283WB 200W	EQUALIZATION BASIN & PUMP	KEH	/ DEBBAN, HER	06/95 DEBBAN, HERB			22			Benton Washington	
283WD 200W	RECYCLE PUMP STATION	KEH	/ DEBBAN, HER	06/95 DEBBAN, HERB			20			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
283WE 200W	SLUDGE LAGOONS	KEH	/				2509			Benton Washington	
283WF 200W	SAMPLE BUILDING	KEH	/ DEBBAN, HER	06/95 DEBBAN, HERB			16			Benton Washington	
284E 200E	POWER HOUSE AND STEAM	KEH	/ DEBBAN, HER	12/44 DEBBAN, HERB		41	3143			Benton Washington	
284W 200W	POWER HOUSE STEAM PLANT	KEH	/ DEBBAN, HER	12/44 DEBBAN, HERB			2522			Benton Washington	
284WB 200W	PACKAGE BOILER PLANT	KEH	/				158			Benton Washington	
285W 200W	BACKFLOW PREVENTION	PSS	/ DEBBAN, HER				9			Benton Washington	
286W 200W	RMW BACKFLOW PREVENTER	PSS	/ CRANE, PAUL	10/92 HAMILTON, WI			9			Benton Washington	
2901Y 600	EXPORT & LINE VALVE HOSE,	KEH	/				28			Benton Washington	
2902HV 200E		TWR	/	12/94 ERMOLD, LEON						Benton Washington	
2904ZA 200W	RADIATION AND FLOW	TRP	/ VOGT, ERIC C	VOGT, ERIC C			4			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
2904ZB 200W	MONITORING BUILDING	TRP	/	12/87 VOGT, ERIC C			31			Benton Washington	
2910E 200E		KEH	/	TENVOOREN, M						Benton Washington	
291A 200E	EXHAUST AIR FILTER AND	TRP	/	12/55 HAMRICK, DO HAMRICK, DOU			3			Benton Washington	
291AB 200E	EXHAUST AIR SAMPLER HOUSE	TRP	/	12/55 HAMRICK, DO HAMRICK, DOU			3			Benton Washington	
291AC 200E	EXHAUST AIR SAMPLER HOUSE	TRP	/	12/55 HAMRICK, DO HAMRICK, DOU			28			Benton Washington	
291AD 200E	FILTER PIT AND STACK	TRP	/	03/79 HAMRICK, DO HAMRICK, DOU			18			Benton Washington	
291AG 200E	SAMPLE STATION #2	TRP	/	12/55 HAMRICK, DO HAMRICK, DOU			13			Benton Washington	
291AR 200E	EXHAUST AIR FILTER STACK	TWR	/	09/86 RAVENCRAFT WICKS, JAMES			63			Benton Washington	
291B 200E	EXHAUST AIR CONTROL	TRP	/	12/44 HEINEMAN, R MIDGETT, JOE			31			Benton Washington	
291BA 200E	EXHAUST AIR SAMPLE HOUSE	TRP	/	01/56 HEINEMAN, R MIDGETT, JOE			5			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m^2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
291BB 200E	INSTRUMENT BUILDING - A&B	TRP	/ HEINEMAN, R	01/68 MIDGETT, JOE			27			Benton Washington	
291BD 200E	C FILTER & INSTRUMENT	TRP	/ HEINEMAN, R	10/70 MIDGETT, JOE			101			Benton Washington	
291BF 200E	D FILTER	TRP	/ HEINEMAN, R	06/79 MIDGETT, JOE			42			Benton Washington	
291BH 200E	E FILTER	TRP	/ HEINEMAN, R	04/81 MIDGETT, JOE			9			Benton Washington	
291BK 200E	INSTRUMENT BUILDING - E & F	TRP	/ HEINEMAN, R	10/93 MIDGETT, JOE			9			Benton Washington	
291Z 200W	EXHAUST AIR FILTER STACK	TRP	/ VOGT, ERIC C	06/50 VOGT, ERIC C			1271			Benton Washington	
2920GW RCHN	BUILDING ETC2	FDH	/ PHMC			114				Benton Washington	
292AA 200E	PR STACK SAMPLE HOUSE	TRP	/ HAMRICK, DO	11/81 HAMRICK, DOU						Benton Washington	
292AB 200E	PUREX GASES EFFLUENT	TRP	/ HAMRICK, DO	HAMRICK, DOU			56			Benton Washington	
292B 200E	STACK MONITOR STATION	TRP	/ HEINEMAN, R	01/49 MIDGETT, JOE			31			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
292T 200W	FISSION PRODUCTS	PSS	/ WRIGHT, MAL	HAMILTON, WI			85			Benton Washington	
293A 200E	OFFGAS TREATMENT	TRP	/ HAMRICK, DO	09/57 HAMRICK, DOU			175			Benton Washington	
2940GW RCHN	BUILDING ETC1	FDH	/ PHMC			6				Benton Washington	
294A 200E	OFFGAS TREATMENT	TRP	/ HAMRICK, DO	04/63 HAMRICK, DOU			9			Benton Washington	
295A 200E	ASD SAMPLE STATION	TRP	/ HAMRICK, DO	04/68 HAMRICK, DOU			4			Benton Washington	
295AA 200E	SCD SAMPLE AND PUMPOUT	TRP	/ HAMRICK, DO	10/85 HAMRICK, DOU						Benton Washington	
295AC 200E	CSL SAMPLE STATION	TRP	/ HAMRICK, DO	12/81 HAMRICK, DOU						Benton Washington	
295AD 200E	SWL SAMPLE STATION	TWR	/ HAMRICK, DO	HAMRICK, DOU			13			Benton Washington	
295AE 200E	PDD MONITORING	TRP	/ HAMRICK, DO	06/88 HAMRICK, DOU			28			Benton Washington	
296HN29 200E	STACK MONITOR SAMPLE	TWR	/	WICKS, JAMES			112			Benton Washington	

Building / Area	Description	Perfor. Category / Contractor	Bldg. Code/Year / Building Manager	Year Buildt / Organiztional Manager	Mission	Occupants (Number) / Hazardous Materials	Area m² / SAR Number	ATC-21 Rating / Constur Type	Priority Score / Struct. Accidents	County / State	Number Stories / NPH Evaluation
303A	STORAGE		/	12/43			120			Benton	
300	BUILDING	TRP	METCALF, IV	STEFFEN, JIM						Washington	
303B	STORAGE		/	12/43			120			Benton	
300	BUILDING	TRP	METCALF, IV	STEFFEN, JIM						Washington	
303E	STORAGE		/	12/43			120			Benton	
300	BUILDING	TRP	METCALF, IV	STEFFEN, JIM						Washington	
303F	PUMPHOUSE		/	12/43			120			Benton	
300		TRP	METCALF, IV	STEFFEN, JIM						Washington	
303G	STORAGE		/	12/43			120			Benton	
300	BUILDING	TRP	METCALF, IV	STEFFEN, JIM						Washington	
303K	WASTE &		/	12/43			120			Benton	
300	MATERIAL	TRP	METCALF, IV	STEFFEN, JIM						Washington	
303M	URANIUM OXIDE		/	05/83			195			Benton	
300	FACILITY	TRP	METCALF, IV	STEFFEN, JIM						Washington	
304	URANIUM		/	02/54			118			Benton	
300	CONCRETION	TRP	METCALF, IV	STEFFEN, JIM						Washington	
304A	URANIUM		/	09/78			18			Benton	
300	CONCRETION	TRP	METCALF, IV	STEFFEN, JIM						Washington	
305	ENGINEERING		/	12/43		14	1428			Benton	
300	TESTING	KEH	GONZALES, RI	TANNER, ROBE						Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
305A 300	ELECTRICIAN & PIPEFITTER SHOP	KEH	/ RITTENHOUSE	RITTENHOUSE,			274			Benton Washington	
305P 300	ENGINEERING TESTING	STS	/	BROWN, LARRY			71			Benton Washington	
305WELL RCHC	LEASED BUILDING	KEH	/ TANNER RM							Benton Washington	
306E 300	DEVELOPMENT, FABRICATION, &	KEH	/ PANTHER, DO	01/60 BROWN, LARRY		50	3826			Benton Washington	
307WELL RCHC	LEASED BUILDING	KEH	/ TANNER RM							Benton Washington	
308 300	FUELS DEVELOPMENT	TRP	/ BITTEN, ERNE	01/60 STEFFEN, JIM			6609			Benton Washington	
308A 300	FUELS DEVELOPMENT	TRP	/ BITTEN, ERNE	10/76 STEFFEN, JIM						Benton Washington	
309 300	SP-100 GES TEST FACILITY	TRP	/ BITTEN, ERNE	09/60 STEFFEN, JIM			4341			Benton Washington	
310 300	TREATED EFFLUENT	PSS	/ ROBERTS, LEE	07/94 DILIBERTO, AN		9	1255			Benton Washington	
3100GW RCHN	BUILDING - LEASED	TRP	/ MCGINNIS KA			17				Benton Washington	

Building	Area	Description	Perfor. Category	Contractor	Bldg. Code/Year	Building Manager	Year Buildt	Organiztional Manager	Mission	Occupants (Number)	Hazardous Materials	Area m²	SAR Number	ATC-21 Rating	Constur Type	Priority Score	Struct. Accidents	County	State	Number Stories	NPH Evaluation
312	300	RIVER PUMP HOUSE		KEH	/		09/60	DEBBAN, HERB				44						Benton	Washington		
313	300	N FUELS MANUFACTURIN		TRP	/	METCALF, IV	07/88	STEFFEN, JIM				7133						Benton	Washington		
315	300	FILTER WATER PLANT BUILDING		KEH	/	DEBBAN, HER	10/62	DEBBAN, HERB				766						Benton	Washington		
321	300	HYDROMECHANI CAL/SEISMIC		KEH	/	GONZALES, RI	01/44	TANNER, ROBE				2550						Benton	Washington		
321B	300	MODEL HEAT LOOP, PART OF		KEH	/	GONZALES, RI	01/70	TANNER, ROBE				161						Benton	Washington		
321C	300	CORE PUMP SHELTER, PART		KEH	/		06/72	TANNER, ROBE										Benton	Washington		
328	300	ENG. SERVICES & SAFETY BUILDIN		KEH	/	GONZALES, RI	12/53	TANNER, ROBE			59	3470						Benton	Washington		
328A	300	SHEET METAL SHOP		KEH	/	GONZALES, RI	04/60	TANNER, ROBE			1	178						Benton	Washington		
331	CLE KENN	OUTPLACEMENT CENTER		HR	/	MYERS LL					4							Benton	Washington		
333	300	N FUELS BUILDING		TRP	/	METCALF, IV	12/61	STEFFEN, JIM			16	5292						Benton	Washington		

Building Area	Description	Perfor. Category / Contractor	Bldg. Code/Year / Building Manager	Year Buildt / Organiztional Manager	Mission	Occupants (Number) / Hazardous Materials	Area m² / SAR Number	ATC-21 Rating / Constur Type	Priority Score / Struct. Accidents	County / State	Number Stories / NPH Evaluation
334	PROCESS SEWER		/	12/61			28			Benton	
300	MONITOR	TRP	METCALF, IV	STEFFEN, JIM						Washington	
334A	WASTE ACID		/	04/59			74			Benton	
300	STORAGE	TRP	METCALF, IV	STEFFEN, JIM						Washington	
335	SODIUM TEST		/	11/69			620			Benton	
300	FACILITY	TRP	HUNTER, JAM	LOIKA, EDWAR						Washington	
337B	337 HIGH-BAY		/	05/73			3446			Benton	
300	AND SERVICE	KEH	GONZALES, RI	TANNER, ROBE						Washington	
339A	COMPUTER		/	09/88		17	446			Benton	
300	FACILITY	BCS	ELISON, BARY	ESTEY, SANDR						Washington	
340	WASTE		/	12/53			416			Benton	
300	NEUTRALIZATIO	PSS	ROBERTS, LEE	DILIBERTO, AN						Washington	
340A	WASTE		/	01/61			127			Benton	
300	RETENTION	PSS	ROBERTS, LEE	DILIBERTO, AN						Washington	
340B	WASTE		/	03/69			112			Benton	
300	LOADOUT	PSS	ROBERTS, LEE	DILIBERTO, AN						Washington	
342A	INSTR/ELEC		/	07/94			16			Benton	
300	BUILDING SHOP	PSS		DILIBERTO, AN						Washington	
3506A	POWERHOUSE		/			3	175			Benton	
300	MAINTENANCE	KEH	GONZALES, RI	TANNER, ROBE						Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
3506B 300	MAINTENANCE SHOP	KEH	/ GONZALES, RI	06/82 DEBBAN, HERB		4	80			Benton Washington	
3506C 300	TELECOMMUNIC ATIONS HUB	BCS	/				48			Benton Washington	
3506CTR 300		BCS	/							Benton Washington	
3507 300	MICROWAVE TOWER AND	BCS	/ HARDING, RO	02/85 ESTEY, SANDR			13			Benton Washington	
351A 300	METER AND TESTING	KEH	/ FRITZ, ROBER	12/52 DEBBAN, HERB			26			Benton Washington	
351B 300	METER TESTING AND	KEH	/ FRITZ, ROBER	10/70 DEBBAN, HERB			149			Benton Washington	
352D 300	2400 V SWITCHGEAR	KEH	/ FRITZ, ROBER	 DEBBAN, HERB			49			Benton Washington	
352E 300	SWITCH STATION EAST SIDE	KEH	/ FRITZ, ROBER	09/72 DEBBAN, HERB			149			Benton Washington	
352F 300	ELECTRICAL SUBSTATION 2.4	KEH	/ FRITZ, ROBER	02/78 DEBBAN, HERB			56			Benton Washington	
3621-BC 300		KEH	/	03/95 DEBBAN, HERB						Benton Washington	

Building / Area	Description	Perfor. Category / Contractor	Bldg. Code/Year / Building Manager	Year Buildt / Organizational Manager	Mission	Occupants (Number) / Hazardous Materials	Area m² / SAR Number	ATC-21 Rating / Constur Type	Priority Score / Struct. Accidents	County / State	Number Stories / NPH Evaluation
3621D 300	EMERGENCY GENERATOR	KEH	/ DEBBAN, HER	05/74 DEBBAN, HERB			238			Benton Washington	
3701D 300	BENTON CO. SHERIFF	KEH	/ GONZALES, RI	02/83 TANNER, ROBE		1	614			Benton Washington	
3701U 300	OFFICE BUILDING	KEH	/ GONZALES, RI	07/80 TANNER, ROBE			125			Benton Washington	
3703A 300	MODULAR OFFICES	KEH	/	03/96 RITTENHOUSE,		7	172			Benton Washington	
3704 300	INSULATORS STORAGE	KEH	/ HOLLADAY, J	09/42 RITTENHOUSE,			74			Benton Washington	
3705 300	PHOTOGRAPHY BUILDING	KEH	/ GONZALES, RI	TANNER, ROBE		10	648			Benton Washington	
3706 300	COMMUN. & DOCUMENTATIO	KEH	/ GONZALES, RI	12/44 TANNER, ROBE			3482			Benton Washington	
3706A 300	VENTILATION EQUIP RM FOR	KEH	/ GONZALES, RI	12/44 TANNER, ROBE			140			Benton Washington	
3707D 300	INFORMATION SERVICES	KEH	/ GONZALES, RI	06/55 TANNER, ROBE		15	797			Benton Washington	
3707E 300	CONSTRUCTION STORAGE	KEH	/ DEBBAN, HER	09/42 RITTENHOUSE,			74			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
3707EA 300	PAINT STORAGE	KEH	/				26			Benton Washington	
3707F 300	RADIATION MONITORING	PSS	/ GONZALES, RI	02/65 DILIBERTO, AN			13			Benton Washington	
3707H 300	CHANGE HOUSE	KEH	/ GONZALES, RI	TANNER, ROBE			112			Benton Washington	
3709 300	PAINT SHOP	KEH	/ GONZALES, RI	12/43 TANNER, ROBE		2	289			Benton Washington	
3709A 300	FIRE STATION	ESQ	/ GOOD, DONA	08/64 GOOD, DONAL		31	776			Benton Washington	
3709B 300	FIRE EQUIPMENT STORAGE	ESQ	/ GOOD, DONA	02/77 GOOD, DONAL			56			Benton Washington	
3710A 300	OIL STORAGE BUILDING	KEH	/ GONZALES, RI	11/61 TANNER, ROBE			25			Benton Washington	
3711 300	MAINTENANCE STORAGE	KEH	/ GONZALES, RI	11/59 TANNER, ROBE			297			Benton Washington	
3712 300	STORAGE BUILDING	TRP	/ METCALF, IV	08/67 STEFFEN, JIM			903			Benton Washington	
3713 300	CARPENTER SHOP	KEH	/ GONZALES, RI	12/43 TANNER, ROBE		7	446			Benton Washington	

Building	Description	Perfor. Category	Bldg. Code/Year	Year Buildt	Mission	Occupants (Number)	Area m²	ATC-21 Rating	Priority Score	County	Number Stories
Area		Contractor	Building Manager	Organiztional Manager		Hazardous Materials	SAR Number	Constur Type	Struct. Accidents	State	NPH Evaluation
3714	SOILS		/				107			Benton	
300	LABORATORY	PSS	DILIBERTO, A	DILIBERTO, AN						Washington	
3715	STORAGE		/	02/59			595			Benton	
300	BUILDING	KEH	GONZALES, RI	TANNER, ROBE						Washington	
3716	STORAGE		/	01/38			297			Benton	
300	BUILDING	TRP	METCALF, IV	STEFFEN, JIM						Washington	
3717	SPARE PARTS		/	12/44			897			Benton	
300	WAREHOUSE	KEH	GONZALES, RI	TANNER, ROBE						Washington	
3717B	STANDARDS		/	08/94		12	827			Benton	
300	LABORATORY	KEH	GONZALES, RI	TANNER, ROBE						Washington	
3717C	MATERIALS		/				214			Benton	
300	ARCHIVE	KEH	GONZALES, RI	TANNER, ROBE						Washington	
3718	OFFICE &		/	11/59		10	355			Benton	
300	STORAGE	KEH	GONZALES, RI	TANNER, ROBE						Washington	
3718C	STORAGE		/				416			Benton	
300	BUILDING	KEH	GONZALES, RI	RITTENHOUSE,						Washington	
3718F	SODIUM		/	09/46			89			Benton	
300	STORAGE	PSS	GONZALES, RI	DILIBERTO, AN						Washington	
3718M	SODIUM		/	05/73			187			Benton	
300	STORAGE	KEH	GONZALES, RI	TANNER, ROBE						Washington	

Building	Description	Perfor. Category	Bldg. Code/Year	Year Buildt	Mission	Occupants (Number)	Area m²	ATC-21 Rating	Priority Score	County	Number Stories
Area		Contractor	Building Manager	Organiztional Manager		Hazardous Materials	SAR Number	Constur Type	Struct. Accidents	State	NPH Evaluation
3718N	INSULATION		/	09/71		1	268			Benton	
300	SHOP	KEH	GONZALES, RI	TANNER, ROBE						Washington	
3718S			/							Benton	
300		KEH								Washington	
3719	COMPUTER		/	02/79		1	280			Benton	
300	FACILITY	KEH	GONZALES, RI	TANNER, ROBE						Washington	
3719A	MODULAR FIRST		/	02/96			172			Benton	
300	AID STATION - TE	KEH	GONZALES, RI	TANNER, ROBE						Washington	
3721	CLASSIFIED		/				22			Benton	
300	INCINERATOR	KEH	HOWSER, VIR	TANNER, ROBE						Washington	
3722	FABRICATION		/				468			Benton	
300	SHOP	KEH	RITTENHOUSE	RITTENHOUSE,						Washington	
3727	CLASSIFIED		/	07/77			81			Benton	
300	VAULT	KEH	GONZALES, RI	TANNER, ROBE						Washington	
3728	GEOTECHNICAL		/	07/81			297			Benton	
300	HIGH-BAY	PSS	GONZALES, RI	DILIBERTO, AN						Washington	
3732	STORAGE		/	09/49			127			Benton	
300	BUILDING	KEH	GONZALES, RI	TANNER, ROBE						Washington	
3734	MAINTENANCE		/	12/44			22			Benton	
300	STORAGE	KEH	GONZALES, RI	TANNER, ROBE						Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Mission Buildt Organiztional Manager	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
3734A 300	PAINT STORAGE BUILDING	KEH	/ GONZALES, RI	12/44 TANNER, ROBE		72			Benton Washington	
3746D 300	TECHNICAL SERVICE ANNEX	KEH	/ GONZALES, RI	TANNER, ROBE		117			Benton Washington	
3763 300	OFFICE BUILDING	KEH	/ GONZALES, RI	04/71 TANNER, ROBE	20	673			Benton Washington	
3765 300	OFFICE BUILDING	KEH	/ GONZALES, RI	06/71 TANNER, ROBE	1	1130			Benton Washington	
3766 300	OFFICE BUILDING	KEH	/ GONZALES, RI	12/75 TANNER, ROBE	16	268			Benton Washington	
3768 300	OFFICE BUILDING	KEH	/ GONZALES, RI	12/76 TANNER, ROBE	10	268			Benton Washington	
3769 300	OFFICE BUILDING	KEH	/ GONZALES, RI	12/76 TANNER, ROBE	7	268			Benton Washington	
377 300	LABORATORY	STS	/ HUNTER, JAM	BROWN, LARRY		336			Benton Washington	
3770 300	OFFICE BUILDING	KEH	/ GONZALES, RI	12/76 TANNER, ROBE	7	268			Benton Washington	
3790 300	SECURITY OFFICE BUILDING	KEH	/ GONZALES, RI	02/83 TANNER, ROBE	48	1747			Benton Washington	

Building	Area	Description	Perfor. Category	Contractor	Bldg. Code/Year	Building Manager	Year Buildt	Mission	Organiztional Manager	Occupants (Number)	Hazardous Materials	Area m²	SAR Number	ATC-21 Rating	Constur Type	Priority Score	Struct. Accidents	County	State	Number Stories	NPH Evaluation
382	300	PUMP HOUSE BUILDING		KEH	/	DEBBAN, HER	12/43		DEBBAN, HERB				107					Benton	Washington		
382B	300	FIRE PUMP STATION 382B		KEH	/		12/43		DEBBAN, HERB				137					Benton	Washington		
384	300	POWER HOUSE BUILDING		KEH	/	DEBBAN, HER	12/50		DEBBAN, HERB		25		1595					Benton	Washington		
3906	300	SANITARY AND PROCESS LIFT		KEH	/		06/73		DEBBAN, HERB				26					Benton	Washington		
403	400	FUEL STORAGE FACILITY		TRP	/	KLOS, DAVID	12/82		LOIKA, EDWAR				1234					Benton	Washington		
405	400	FFTF REACTOR CONTAINMENT		TRP	/	KLOS, DAVID	08/82		LOIKA, EDWAR				8002					Benton	Washington		
408A	400	MAIN HEAT DUMP, EAST		TRP	/	KLOS, DAVID	08/82		LOIKA, EDWAR				1821					Benton	Washington		
408B	400	MAIN HEAT DUMP, SOUTH		TRP	/	KLOS, DAVID	08/82		LOIKA, EDWAR				1796					Benton	Washington		
408C	400	MAIN HEAT DUMP, WEST		TRP	/	KLOS, DAVID	08/82		LOIKA, EDWAR				1815					Benton	Washington		
409A	400	CLOSED LOOP HEAT DUMP,		TRP	/	KLOS, DAVID	08/82		LOIKA, EDWAR				74					Benton	Washington		

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409B 400	CLOSED LOOP HEAT DUMP,	TRP	/ KLOS, DAVID	08/82 LOIKA, EDWAR			74			Benton Washington	
427 400	FUELS & MATERIAL	TRP	/ STEFFEN, JIM	07/84 STEFFEN, JIM		4	20153			Benton Washington	
427A 400	ARGON/HYDROG EN MIXING	TRP	/ STEFFEN, JIM	10/86 STEFFEN, JIM			19			Benton Washington	
432A 400	INTERIM COVERED	TRP	/	03/87 LOIKA, EDWAR			93			Benton Washington	
436 400	TRAINING FACILITY	TRP	/ KLOS, DAVID	05/77 LOIKA, EDWAR		6	671			Benton Washington	
437 400	MAINTENANCE AND STORAGE	TRP	/ KLOS, DAVID	01/84 LOIKA, EDWAR		1	5595			Benton Washington	
4621E 400	AUXILIARY EQUIPMENT	TRP	/ KLOS, DAVID	08/82 LOIKA, EDWAR		6	1582			Benton Washington	
4621W 400	AUXILIARY EQUIPMENT	TRP	/ KLOS, DAVID	08/82 LOIKA, EDWAR			809			Benton Washington	
4701A 400	FORMER GUARD STATION,	TRP	/ KLOS, DAVID	07/80 LOIKA, EDWAR		1	134			Benton Washington	
4701B 400	FORMER GUARD STATION, GRANT	KEH	/ GONZALES, RI	12/82 TANNER, ROBE			59			Benton Washington	

Building	Description	Perfor. Category	Bldg. Code/Year	Year Buildt	Mission	Occupants (Number)	Area m²	ATC-21 Rating	Priority Score	County	Number Stories
Area		Contractor	Building Manager	Organiztional Manager		Hazardous Materials	SAR Number	Constur Type	Struct. Accidents	State	NPH Evaluation
4701C	FMEF GATE		/	08/91			215			Benton	
400	BUILDING,	TRP	STEFFEN, JIM	STEFFEN, JIM						Washington	
4702	OFFICE BUILDING		/	08/82			2016			Benton	
400		KEH	GONZALES, RI	TANNER, ROBE						Washington	
4703	FFTF CONTROL		/	08/82			1323			Benton	
400	BUILDING	TRP	KLOS, DAVID	LOIKA, EDWAR						Washington	
4704N	SECURITY		/	08/82			743			Benton	
400	MAINTENANCE	KEH	GONZALES, RI	TANNER, ROBE						Washington	
4704S	400 AREA FIRE		/	08/82		15	777			Benton	
400	STATION	ESQ	GOOD, DONA	GOOD, DONAL						Washington	
4706	OFFICE BUILDING		/	05/83		17	1735			Benton	
400		KEH	GONZALES, RI	TANNER, ROBE						Washington	
4707	400 AREA SITE		/				267			Benton	
400	SUPPORT OFFICE	KEH	GONZALES, RI	TANNER, ROBE						Washington	
4710	FFTF OFFICE		/	08/82		211	3434			Benton	
400	BUILDING	TRP	KLOS, DAVID	LOIKA, EDWAR						Washington	
4713A	RIGGERS &		/			6	517			Benton	
400	DRIVERS	TRP	KLOS, DAVID	LOIKA, EDWAR						Washington	
4713B	FFTF		/	12/79		55	3070			Benton	
400	MAINTENANCE	TRP	KLOS, DAVID	LOIKA, EDWAR						Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Mission Buildt Organizational Manager	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
4713C 400	WAREHOUSE	TRP	/ DOEBLER, ST	08/82 LOIKA, EDWAR		374			Benton Washington	
4713D 400	INTERIM MAINTENANCE	TRP	/ KLOS, DAVID	01/81 LOIKA, EDWAR		587			Benton Washington	
4716 400	FFTF RIGGING LOFT	TRP	/ KLOS, DAVID		11	122			Benton Washington	
4717 400	REACTOR SERVICE	TRP	/ KLOS, DAVID	08/82 LOIKA, EDWAR		4605			Benton Washington	
4719 400	MEDICAL AID STATION	KEH	/ GONZALES, RI	08/81 TANNER, ROBE		171			Benton Washington	
4721 400	FFTF EMERGENCY	TRP	/ KLOS, DAVID	08/82 LOIKA, EDWAR	2	186			Benton Washington	
4722B 400	CARPENTER SHOP	KEH	/ GONZALES, RI	08/82 TANNER, ROBE		379			Benton Washington	
4722C 400	PAINTERS SHOP	KEH	/ DOTSON, PAU	08/82 RITTENHOUSE,	1	375			Benton Washington	
4726 400	CARPENTER SUPPLY	TRP	/ KLOS, DAVID	 LOIKA, EDWAR		30			Benton Washington	
4727 400	MAINTENANCE FLAMMABLE	TRP	/ KLOS, DAVID	 LOIKA, EDWAR		13			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
4732A 400	WAREHOUSE	KEH	/ GONZALES, RI	08/82 TANNER, ROBE		1	1394			Benton Washington	
4732B 400	WAREHOUSE (400 AREA INDOOR	TRP	/ DAHLIN, ERIC	11/83 LOIKA, EDWAR			2230			Benton Washington	
4732C 400	WAREHOUSE	TRP	/ DAHLIN, ERIC	04/82 LOIKA, EDWAR			1859			Benton Washington	
4734A 400	NITROGEN DEWAR PAD	TRP	/	08/82 LOIKA, EDWAR			21			Benton Washington	
4734B 400	SITE SERVICE MAINTENANCE	KEH	/ GONZALES, RI	08/82 TANNER, ROBE			717			Benton Washington	
4734C 400	WAREHOUSE (SPECIAL TOOLS)	KEH	/ GONZALES, RI	08/82 TANNER, ROBE			717			Benton Washington	
4734D 400	WAREHOUSE	KEH	/ GONZALES, RI	08/82 TANNER, ROBE			745			Benton Washington	
4760 400	CONSTRUCTION SHOP	KEH	/ TENVOOREN,	TENVOOREN, M		2	372			Benton Washington	
4790 400	PATROL HEADQUARTERS	KEH	/ GONZALES, RI	01/80 TANNER, ROBE		36	391			Benton Washington	
4790A 400	MICROWAVE TOWER STORAGE	BCS	/ EATON, HARO	02/85 ESTEY, SANDR			58			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
4791TC 400	WAREHOUSE	KEH	/ GONZALES, RI	05/73 MEYER, RICHA			134			Benton Washington	
4802 400	CONSTRUCTION SUPPORT	TRP	/ STEFFEN, JIM	10/85 STEFFEN, JIM		2	135			Benton Washington	
481 400	WATER PUMP HOUSE BUILDING	TRP	/ KLOS, DAVID	08/82 LOIKA, EDWAR			146			Benton Washington	
4814 400	SPECIAL TOOLS WAREHOUSE	KEH	/ GONZALES, RI	07/84 MEYER, RICHA			465			Benton Washington	
481A 400	WATER PUMP HOUSE BUILDING	TRP	/ KLOS, DAVID	05/82 LOIKA, EDWAR			150			Benton Washington	
4831 400	FLAMMABLE STORAGE	TRP	/ DAHLIN, ERIC	 LOIKA, EDWAR			137			Benton Washington	
483B 400	WATER TREATMENT	TRP	/ STEFFEN, JIM	10/85 STEFFEN, JIM			46			Benton Washington	
484 400	FFTF IN-CONTAINMENT	TRP	/ KLOS, DAVID	08/82 LOIKA, EDWAR			784			Benton Washington	
4842A 400	SWITCHGEAR 451B SUBSTATION	TRP	/ KLOS, DAVID	 LOIKA, EDWAR			206			Benton Washington	
4842B 400	SWITCHGEAR BLDG FOR PUMP	TRP	/ KLOS, DAVID	 LOIKA, EDWAR			28			Benton Washington	

Building	Description	Perfor. Cntegory	Bldg. Code/Year	Year Buildt	Mission	Occupants (Number)	Area m²	ATC-21 Rating	Priority Score	County	Number Stories
Area		Contractor	Building Manager	Organiztional Manager		Hazardous Materials	SAR Number	Constur Type	Struct. Accidents	State	NPH Evaluation
4843	ALKALAI METAL		/	10/85			149			Benton	
400	STORAGE	TRP	KLOS, DAVID	LOIKA, EDWAR						Washington	
4862	FMEF ENTRY		/	10/85		27	5826			Benton	
400	WING OFFICE	TRP	STEFFEN, JIM	STEFFEN, JIM						Washington	
491E	HTS SERVICE		/	08/82			1531			Benton	
400	BUILDING, EAST	TRP	KLOS, DAVID	LOIKA, EDWAR						Washington	
491S	HTS SERVICE		/	08/82			770			Benton	
400	BUILDING,	TRP	KLOS, DAVID	LOIKA, EDWAR						Washington	
491W	HTS SERVICE		/	08/82			2224			Benton	
400	BUILDING, WEST	TRP	KLOS, DAVID	LOIKA, EDWAR						Washington	
506B	TELEPHONE		/							Benton	
600	STORAGE	BCS	HARDING, RO							Washington	
506BA	TELECOMMUNIC		/				208			Benton	
600	ATIONS	BCS	HARDING, RO							Washington	
509BA			/							Benton	
600		BCS								Washington	
601WILLI	BUILDING - HAPO		/							Benton	
RCHC		KEH	TANNER RM							Washington	
604A	YAKIMA		/	03/85			15			Benton	
600	BARRICADE,	KEH	GLOVER, JAM	TANNER, ROBE						Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
604F 600	WYE BARRICADE,	KEH	/ MCDOWELL,	10/59 TANNER, ROBE			7			Benton Washington	
604G 600	WYE BARRICADE,	KEH	/ GONZALES, RI	10/59 TANNER, ROBE			3			Benton Washington	
604H 600	PATROL UTILITY BUILDING	KEH	/ GONZALES, RI	TANNER, ROBE			9			Benton Washington	
607 600	BATCH PLANT LAB	KEH	/ TENVOOREN,	TANNER, ROBE						Benton Washington	
609 600	CENTRAL FIRE STATION, 100	ESQ	/ GOOD, DONA	09/61 GOOD, DONAL		5	1004			Benton Washington	
609A 600	FIRE STATION, 200 AREAS	ESQ	/ GOOD, DONA	06/65 GOOD, DONAL		23	776			Benton Washington	
609C 600	FIRE DEPARTMENT	ESQ	/ GOOD, DONA	08/85 GOOD, DONAL		23	186			Benton Washington	
609D 600	FIRE DEPARTMENT	ESQ	/	08/85 GOOD, DONAL						Benton Washington	
609E 600	FIRE STATION STORAGE	ESQ	/ GOOD, DONA	GOOD, DONAL			167			Benton Washington	
609G 600	FIRE ALARM AND TESTING	ESQ	/ GOOD, DONA	11/90 GOOD, DONAL		14	255			Benton Washington	

Building	Description	Perfor. Category	Bldg. Code/Year	Year Buildt	Mission	Occupants (Number)	Area m²	ATC-21 Rating	Priority Score	County	Number Stories
Area		Contractor	Building Manager	Organiztional Manager		Hazardous Materials	SAR Number	Constur Type	Struct. Accidents	State	NPH Evaluation
613	STORAGE		/	06/54			149			Benton	
600	SHELTER, NEAR	ESQ	GOOD, DONA	GOOD, DONAL						Washington	
616	NONRADIOACTIV		/	05/86			716			Benton	
600	E HAZARDOUS	PSS	CRANE, PAUL	HAMILTON, WI						Washington	
620	TANK WASTE		/	08/92						Benton	
600	RETRIEVAL PIT	TWR		WICKS, JAMES						Washington	
621B	WYE		/	12/44			3			Benton	
600	BARRICADE,	KEH	GONZALES, RI	TANNER, ROBE						Washington	
622G	ATMOSPHERE		/			10	348			Benton	
600	SCIENCE ANNEX	KEH	GONZALES, RI	TANNER, ROBE						Washington	
623A	PLANT RADIO		/	11/57			47			Benton	
600	RELAY	BCS	HARDING, RO	ESTEY, SANDR						Washington	
623B	BACKUP RADIO		/				36			Benton	
600	REPEATER BLDG,	BCS	HARDING, RO	ESTEY, SANDR						Washington	
6265	UTILITY		/	10/93			335			Benton	
600	BUILDING WSCF	TWR	KING, A G	ERMOLD, LEON						Washington	
6266	ENVIRONMENTA		/	10/93		39	2695			Benton	
600	L SUPPORT	TWR	KING, A G	ERMOLD, LEON						Washington	
6266B	VAS PUMP BLDG		/	10/93			13			Benton	
600		TWR	KING, A G	ERMOLD, LEON						Washington	

Building	Area	Description	Perfor. Category	Contractor	Bldg. Code/Year	Building Manager	Year Buildt	Organiztional Manager	Mission	Occupants (Number)	Hazardous Materials	Area m²	SAR Number	ATC-21 Rating	Constur Type	Priority Score	Struct. Accidents	County	State	Number Stories	NPH Evaluation
6267	600	WSCF COLD SAMPLE		TWR	/	KING, A G	10/93	ERMOLD, LEON										Benton	Washington		
6268	600	WSCF SAMPLE EQUIPMENT		TWR	/	KING, A G	07/95	ERMOLD, LEON					223					Benton	Washington		
6269	600	WSCF MOBILE LAB STORAGE		TWR	/	KING, A G	10/93	ERMOLD, LEON			6		627					Benton	Washington		
6270	600	ENVIRONMENTA L DATA		TWR	/	KING, A G	10/93	ERMOLD, LEON			9							Benton	Washington		
6290	600	RIGGING SERVICES		KEH	/	GONZALES, RI	12/89	TANNER, ROBE			31		804					Benton	Washington		
6291	600	FUELING FACILITY		ADM	/	MINETTE, MI	08/95	MEYER, RICHA					26					Benton	Washington		
630	600	PLANT MICROWAVE		BCS	/	HARDING, RO		ESTEY, SANDR					11					Benton	Washington		
661	600	RIFLE AND PISTOL RANGE		ESQ	/		04/82	WALTON, CRAI										Benton	Washington		
661A	600	TARGET RANGE CONTROL		KEH	/	GONZALES, RI	04/82	TANNER, ROBE					169					Benton	Washington		
662	600	PATROL TRAINING		KEH	/	GONZALES, RI	04/82	TANNER, ROBE			2		335					Benton	Washington		

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
662A 600	PATROL EXERCISE &	KEH	/ GONZALES, RI	07/83 TANNER, ROBE			465			Benton Washington	
6652L 600	RATTLESNAKE MTN (FORMERLY	BCS	/ POTTER, CHA	07/55 POTTER, CHAR			669			Benton Washington	
6652T 600	LOWER PUMP HOUSE (DOE	ESQ	/							Benton Washington	
6653 600	SAMPLE AND MONITORING	PSS	/	12/94 DILIBERTO, AN			47			Benton Washington	
6701 600	WYE BARRICADE GUARD HOUSE	KEH	/ GONZALES, RI	12/92 TANNER, ROBE			20			Benton Washington	
6701B 600	RATTLESNAKE BARRICADE	KEH	/ GONZALES, RI	TANNER, ROBE			2			Benton Washington	
676 600	COMMUNICATIO NS SUPPORT	BCS	/ HARDING, RO	12/83 ESTEY, SANDR			13			Benton Washington	
703 700	OFFICE BUILDING	KEH	/	10/90 TANNER, ROBE			2447			Benton Washington	
712 700	RECORDS CENTER,	KEH	/	04/51 TANNER, ROBE			1826			Benton Washington	
712B 700	IRM LITIGATION SUPPORT FACILIT	KEH	/ GONZALES, RI	03/96 TANNER, ROBE			172			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
712SWIF RCHC	BUILDING MED DEN BLD	KEH	/ TANNER RM							Benton Washington	
747 700	ENVIRONMENTA L HEALTH	KEH	/	06/54 TANNER, ROBE			724			Benton Washington	
747B 700	ENVIRONMENTA L HEALTH	KEH	/	05/78 TANNER, ROBE			231			Benton Washington	
748 700	RADIOSURGERY FACILITY	KEH	/	10/67 TANNER, ROBE			296			Benton Washington	
FED BLD RCHN	FEDERAL BUILDING	KEH	/ TANNER RM							Benton Washington	
MO001 600	MOBILE OFFICE @ PTA	KEH	/ GONZALES, RI	TANNER, ROBE		6	125			Benton Washington	
MO002 600	MOBILE OFFICE @ PTA	KEH	/ GONZALES, RI	TANNER, ROBE		5	125			Benton Washington	
MO005 600	MOBILE OFFICE @ HTS PIPEYARD	PSS	/ GARDNER, M	DILIBERTO, AN			62			Benton Washington	
MO006 300	MOBILE OFFICE (377 TRL 1)	STS	/ HUNTER, JAM	BROWN, LARRY			62			Benton Washington	
MO009 300	MOBILE OFFICE (3745 TRL 1)	KEH	/ GONZALES, RI			1	62			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO011 200W	200W PATROL HQ @ 234-5Z	KEH	/ GONZALES, RI	TANNER, ROBE		89	147			Benton Washington	
MO012 600	MOBILE OFFICE @ GROUT	KEH	/ DEMPSEY, KEI	DEMPSEY, KEIT			147			Benton Washington	
MO014 200W	MOBILE OFFICE @ 2704Z	KEH	/ GONZALES, RI	TANNER, ROBE		6	86			Benton Washington	
MO015 200W	MOBILE OFFICE @ 234-5Z	KEH	/ GONZALES, RI	TANNER, ROBE		2	62			Benton Washington	
MO016 200W	MOBILE OFFICE @ 234-5Z	KEH	/ GONZALES, RI	TANNER, ROBE		3	62			Benton Washington	
MO017 200W	MOBILE OFFICE @ 234-5Z	KEH	/ GONZALES, RI	TANNER, ROBE		4	62			Benton Washington	
MO019 200E	JANITOR STGE/OFC @ 284E	KEH	/ GONZALES, RI	TANNER, ROBE			62			Benton Washington	
MO021 200E	MOBILE OFFICE @ 2101M	KEH	/ GONZALES, RI	TANNER, ROBE		1	147			Benton Washington	
MO023 200E	MOBILE OFFICE @ 202A	TRP	/ HAMRICK, DO	11/92 HAMRICK, DOU		51	515			Benton Washington	
MO026 300	MOBILE OFFICE (3705 TRL 1)	KEH	/ GONZALES, RI	TANNER, ROBE			125			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO027 200W	MOBILE OFFICE @ 272S	KEH	/ GONZALES, RI	TANNER, ROBE		5	172			Benton Washington	
MO028 200W	RAD WORKER TRAINING	KEH	/ GONZALES, RI	TANNER, ROBE		7	258			Benton Washington	
MO029 200E	MOBILE OFFICE @ 271B	KEH	/ GONZALES, RI	TANNER, ROBE		16	258			Benton Washington	
MO031 200W	MOBILE OFFICE @ 234-5Z	KEH	/ GONZALES, RI	TANNER, ROBE		16	258			Benton Washington	
MO032 200W	MOBILE OFFICE @ 234-5Z	KEH	/ GONZALES, RI	TANNER, ROBE		17	258			Benton Washington	
MO035 200E	TRAINING FACILITY @ 202A	TRP	/ KAMMENZIN	HAMRICK, DOU		17	125			Benton Washington	
MO036 300	MOBILE OFFICE (340 TRL I)	PSS	/ DILIBERTO, A	DILIBERTO, AN		4	147			Benton Washington	
MO037 200W	MOBILE OFFICE @ 222S	KEH	/ GONZALES, RI	TANNER, ROBE		24	515			Benton Washington	
MO039 200W	MOBILE OFFICE @ 2704S	KEH	/ GONZALES, RI	TANNER, ROBE		12	258			Benton Washington	
MO040 200E	MOBILE OFFICE @ 284E	KEH	/ GONZALES, RI	TANNER, ROBE		12	258			Benton Washington	

Building	Description	Perfor. Category	Bldg. Code/Year	Year Buildt	Mission	Occupants (Number)	Area m 2	ATC-21 Rating	Priority Score	County	Number Stories
Area		Contractor	Building Manager	Organiztional Manager		Hazardous Materials	SAR Number	Constur Type	Struct. Accidents	State	NPH Evaluation
MO041	MOBILE OFFICE		/			6	172			Benton	
200E	@ 243G	KEH	GONZALES, RI	TANNER, ROBE						Washington	
MO042	MOBILE OFFICE		/			6	258			Benton	
200E	@ 2750E	KEH	GONZALES, RI	TANNER, ROBE						Washington	
MO043	MOBILE OFFICE		/			14	343			Benton	
200E	N/O 2750E	KEH	GONZALES, RI	TANNER, ROBE						Washington	
MO046	MOBILE OFFICE		/				515			Benton	
300	(318 TRL 3)	PSS	MAHAFFEY,	KELLY, JAMES						Washington	
MO047	MOBILE OFFICE		/			39	1116			Benton	
200E	@ 2101M	KEH	GONZALES, RI	TANNER, ROBE						Washington	
MO048	200 AREA		/	09/81		9	172			Benton	
200E	CENTRAL SIGN	KEH	GONZALES, RI	TANNER, ROBE						Washington	
MO051	MOBILE OFFICE		/				172			Benton	
300	(323 TRL 2)	KEH	GONZALES, RI							Washington	
MO052	MOBILE OFFICE		/			9	172			Benton	
300	(333 TRL 1)	TRP	METCALF, IV	STEFFEN, JIM						Washington	
MO102	MOBILE OFFICE		/	02/79		7	147			Benton	
100K	@ 1709K	SNF	LUCAS, CHRIS	SIDDOWAY, DE						Washington	
MO104	MOBILE OFFICE		/				125			Benton	
200E	@ 2719E	KEH	GONZALES, RI	TANNER, ROBE						Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO108 200E	MOBILE OFFICE @ 4TH &	KEH	/ GONZALES, RI	TANNER, ROBE		16	156			Benton Washington	
MO109 200E	OFFICE/CHANGE/ TRAINING	KEH	/ GONZALES, RI	10/85 TANNER, ROBE		1	172			Benton Washington	
MO112 200E	MOBILE OFFICE @ 202A (INSIDE F	KEH	/ DEMPSEY, KEI	12/82 DEMPSEY, KEIT			91			Benton Washington	
MO114 200E	CHANGE TRAILER @ 241BY	KEH	/ GONZALES, RI	TANNER, ROBE			28			Benton Washington	
MO201 200W	MOBILE OFFICE @ 2704W	KEH	/ GONZALES, RI	TANNER, ROBE			86			Benton Washington	
MO203 200E	GRAPHICS FACILITY @ 284E	KEH	/ GONZALES, RI	TANNER, ROBE		5	62			Benton Washington	
MO204 200W	LUNCHROOM TRAILER @ 274W	KEH	/ GONZALES, RI	TANNER, ROBE			62			Benton Washington	
MO205 100N	MOBILE OFFICE @ 190KE	KEH	/ WITHERSPOO	WITHERSPOON,			28			Benton Washington	
MO206 200E	MOBILE OFFICE @ B PLANT 225B	KEH	/ GONZALES, RI	TANNER, ROBE		4	62			Benton Washington	
MO211 200W	MOBILE OFFICE NORTHEAST OF	KEH	/ DEMPSEY, KEI	DEMPSEY, KEIT			62			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO214 100K	PATROL BADGEHOUSE	SNF	/ MILLER, CHA	SIDDOWAY, DE			62			Benton Washington	
MO215 200W	MOBILE OFFICE @ 2704W	KEH	/ GONZALES, RI	TANNER, ROBE			62			Benton Washington	
MO221 200W	MOBILE OFFICE @ 2704W	KEH	/ GONZALES, RI	TANNER, ROBE			62			Benton Washington	
MO222 600	GUN CLEANING TRAILER @ PTA	KEH	/ GONZALES, RI	TANNER, ROBE			67			Benton Washington	
MO223 200W	CHANGE TRAILER N/O	PSS	/ PYZEL, DONA	HAMILTON, WI			58			Benton Washington	
MO227 200E	MOBILE OFFICE @ UNSECURED	KEH	/ GONZALES, RI	TANNER, ROBE		4	172			Benton Washington	
MO228 200E	SURVEY MOBILE OFFICE @ 4TH &	KEH	/ TENVOOREN,	TENVOOREN, M		2	172			Benton Washington	
MO232 200E	MOBILE OFFICE @ 271B	KEH	/ GONZALES, RI	09/85 TANNER, ROBE		6	172			Benton Washington	
MO234 200E	MOBILE OFFICE @ 2750E	KEH	/ GONZALES, RI	TANNER, ROBE		19	859			Benton Washington	
MO235 200W	MOBILE OFFICE @ 2722W	KEH	/ GONZALES, RI	TANNER, ROBE		12	172			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO236 100K	MOBILE OFFICE	SNF	/ MILLER, CHA	SIDDOWAY, DE			172			Benton Washington	
MO237 100K	MOBILE OFFICE	SNF	/ MILLER, CHA	SIDDOWAY, DE			172			Benton Washington	
MO240 200W	CHANGEROOM/O FFICE TRAILER	KEH	/ GONZALES, RI	TANNER, ROBE		15	172			Benton Washington	
MO244 200W	200W PATROL CHANGE	KEH	/ GONZALES, RI	TANNER, ROBE			258			Benton Washington	
MO245 200E	MOBILE OFFICE @ GATE 815, 200E	KEH	/ GONZALES, RI	TANNER, ROBE		8	172			Benton Washington	
MO246 200E	MOBILE OFFICE @ GATE 815, 200E	KEH	/ GONZALES, RI	TANNER, ROBE		6	172			Benton Washington	
MO247 200E	MOBILE OFFICE @ GATE 815, 200E	KEH	/ GONZALES, RI	TANNER, ROBE		2	172			Benton Washington	
MO248 200E	MOBILE OFFICE @ GATE 815, 200E	KEH	/ GONZALES, RI	TANNER, ROBE		4	172			Benton Washington	
MO249 200W	MOBILE OFFICE @ 234-5Z (OUTSID	KEH	/ GONZALES, RI	TANNER, ROBE		7	172			Benton Washington	
MO250 200W	MOBILE OFFICE @ 234-5Z (OUTSID	KEH	/ GONZALES, RI	TANNER, ROBE		5	172			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO251 200E	MOBILE OFFICE, 3RD S/O TRKS ON	KEH	/ GONZALES, RI	TANNER, ROBE		6	172			Benton Washington	
MO252 200E	MOBILE OFFICE, 2ND S/O RR TRKS	KEH	/ GONZALES, RI	TANNER, ROBE		7	172			Benton Washington	
MO253 200E	MOBILE OFFICE, 1ST S/O RR TRKS	KEH	/ GONZALES, RI	TANNER, ROBE		6	172			Benton Washington	
MO254 600	MOBILE OFFICE @ 622G	KEH	/ GONZALES, RI	TANNER, ROBE		7	172			Benton Washington	
MO255 600	MOBILE OFFICE @ 622G	KEH	/ GONZALES, RI	TANNER, ROBE		2	172			Benton Washington	
MO256 200E	MOBILE OFFICE E/O 2711E	KEH	/ GONZALES, RI	TANNER, ROBE		8	172			Benton Washington	
MO257 200E	MOBILE OFFICE E/O 2711E	KEH	/ GONZALES, RI	TANNER, ROBE		6	172			Benton Washington	
MO258 300	MOBILE OFFICE @ FMIT	KEH	/ GONZALES, RI	TANNER, ROBE			172			Benton Washington	
MO259 300	MOBILE OFFICE @ FMIT	KEH	/ GONZALES, RI	TANNER, ROBE		9	172			Benton Washington	
MO260 400	MOBILE OFFICE @ FMIT	KEH	/ GONZALES, RI	TANNER, ROBE			172			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO261 300	MOBILE OFFICE @ FMIT	KEH	/ GONZALES, RI TANNER, ROBE			1	172			Benton Washington	
MO262 300	MOBILE OFFICE @ FMIT	KEH	/ GONZALES, RI TANNER, ROBE			5	172			Benton Washington	
MO263 300	MOBILE OFFICE @ FMIT	KEH	/ GONZALES, RI TANNER, ROBE			10	172			Benton Washington	
MO264 300	MOBILE OFFICE @ FMIT	KEH	/ GONZALES, RI TANNER, ROBE			3	172			Benton Washington	
MO266 200E	MOBILE OFFICE @ 272AW TANK	KEH	/ GONZALES, RI TANNER, ROBE			20	172			Benton Washington	
MO267 200E	MOBILE OFFICE @ 272AW TANK	KEH	/ GONZALES, RI TANNER, ROBE			10	172			Benton Washington	
MO268 200E	MOBILE OFFICE @ 272AW TANK	KEH	/ GONZALES, RI TANNER, ROBE			9	172			Benton Washington	
MO269 200E	CHANGE TRAILER E/O SUB	PSS	/ DILIBERTO, A DILIBERTO, AN			2	172			Benton Washington	
MO272 200E	MOBILE CRAFT LUNCHROOM	KEH	/ ROTH, DAVID				156			Benton Washington	
MO273 200E	MOBILE OFFICE @ PUREX	KEH	/ GONZALES, RI TANNER, ROBE			39	859			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO276 200E	MOBILE OFFICE @ 2753E	KEH	/ GONZALES, RI TANNER, ROBE				1374			Benton Washington	
MO277 200E	MOBILE OFFICE @ 2753E	KEH	/ GONZALES, RI TANNER, ROBE			1	1374			Benton Washington	
MO278 200W	MOBILE OFFICE W/O 275W	PSS	/ HAMILTON, W HAMILTON, WI			51	859			Benton Washington	
MO279 200W	MOBILE OFFICE W/O 275W	PSS	/ HAMILTON, W HAMILTON, WI			55	859			Benton Washington	
MO280 600	MOBILE OFFICE @ WSCF SITE	KEH	/ GONZALES, RI TANNER, ROBE			31	859			Benton Washington	
MO281 200W	MOBILE OFFICE @ 272WA	KEH	/ GONZALES, RI TANNER, ROBE			84	1374			Benton Washington	
MO282 200E	MOBILE OFFICE @ GROUT	KEH	/ GONZALES, RI TANNER, ROBE			5	172			Benton Washington	
MO283 200E	MOBILE OFFICE @ GROUT	KEH	/ GONZALES, RI TANNER, ROBE			11	172			Benton Washington	
MO284 200E	MOBILE OFFICE @ GROUT	KEH	/ GONZALES, RI TANNER, ROBE			5	172			Benton Washington	
MO285 200E	MOBILE OFFICE @ 2753E	KEH	/ GONZALES, RI TANNER, ROBE			55	1030			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO286 200E	MOBILE OFFICE @ 2727E	KEH	/ GONZALES, RI	TANNER, ROBE		34	1030			Benton Washington	
MO287 200W	MOBILE OFFICE @ 275W	KEH	/ GONZALES, RI	TANNER, ROBE		47	1030			Benton Washington	
MO288 200W	MOBILE CHANGE FACILITY @	PSS	/ CRANE, PAUL	04/94 HAMILTON, WI			36			Benton Washington	
MO289 200W	MOBILE CHANGE FACILITY @ 224T	PSS	/ CRANE, PAUL	04/94 HAMILTON, WI		1	36			Benton Washington	
MO290 200W	MOBILE COMPUTER HUB	KEH	/ GONZALES, RI	TANNER, ROBE		1	172			Benton Washington	
MO291 200W	MOBILE OFFICE NEAR 2704S	KEH	/ GONZALES, RI	TANNER, ROBE		42	859			Benton Washington	
MO292 600	MOBILE OFFICE @ WSCF (E/O 6270	KEH	/ GONZALES, RI	TANNER, ROBE		35	859			Benton Washington	
MO293 100K	MOBILE OFFICE @ 1725K (SPENT F	SNF	/ BLEHM, LORI	SIDDOWAY, DE		54	859			Benton Washington	
MO294 200E	MOBILE OFFICE @ 2727E	KEH	/ GONZALES, RI	TANNER, ROBE		65	1374			Benton Washington	
MO295 200W	FEMALE CHANGE MOBILE	TWR	/ WICKS, JAMES	WICKS, JAMES			71			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO302 600	ARMORER SHOP (MOBILE OFFICE)	KEH	/ GONZALES, RI	WALTON, CRAI		2	112			Benton Washington	
MO303 1100	MOBILE OFFICE W. OF 1167A	ADM	/ DAHLIN, ERIC	MEYER, RICHA		7	112			Benton Washington	
MO304 600	MOBILE OFFICE @ HTS PIPEYARD	PSS	/ GARDNER, M	DILIBERTO, AN			120			Benton Washington	
MO306 200W	MOBILE OFFICE @ 222T	KEH	/ GONZALES, RI				62			Benton Washington	
MO312 200E	LAUNDRY STORAGE @ 225B	TRP	/ MIDGETT, JOE	MIDGETT, JOE			24			Benton Washington	
MO315 600	STORAGE TRAILER @ 622G	KEH	/ GONZALES, RI	12/75 TANNER, ROBE			52			Benton Washington	
MO319 200W	CHANGE TRAILER (TANK	TWR	/	WICKS, JAMES			28			Benton Washington	
MO320 200W	WOMENS CHANGE ROOM	KEH	/ GONZALES, RI	TANNER, ROBE			28			Benton Washington	
MO322 200E	SWP CHANGE TRAILER @ 207B	TRP	/ MIDGETT, JOE	MIDGETT, JOE			28			Benton Washington	
MO323 200E	MOBILE OFFICE @ 202A	TRP	/ KAMMENZIN	HAMRICK, DOU			56			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO325 200E	CHANGE TRAILER @	TRP	/ HAMRICK, DO	HAMRICK, DOU			28			Benton Washington	
MO327 600	MOBILE OFFICE @ 218E	KEH	/	TANNER, ROBE			28			Benton Washington	
MO332 200E	SWP CHANGE TRAILER @	TRP	/ HAMRICK, DO	HAMRICK, DOU			28			Benton Washington	
MO333 200W	STORAGE TRAILER @ 2W	TWR	/ WICKS, JAMES	WICKS, JAMES			28			Benton Washington	
MO346 200W	MOBILE OFFICE @ 222S	KEH	/ GONZALES, RI	TANNER, ROBE		12	112			Benton Washington	
MO347 200E	MOBILE OFFICE @ 202A (ATT'D TO	KEH	/ GONZALES, RI	TANNER, ROBE		8	120			Benton Washington	
MO351 200W	MOBILE OFFICE @ E/O RR TRKS	KEH	/ DEMPSEY, KEI	DEMPSEY, KEIT			73			Benton Washington	
MO353 400	MOBILE OFFICE W. OF 4706	KEH	/ GONZALES, RI	TANNER, ROBE			112			Benton Washington	
MO354 200E	MOBILE OFFICE @ 2400E	KEH	/ GONZALES, RI	TANNER, ROBE			120			Benton Washington	
MO355 200E	MOBILE OFFICE @ 202A (ATT'D TO	KEH	/ GONZALES, RI	TANNER, ROBE		12	120			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO363 200W	MOBILE OFFICE @ 241SX TANK	TWR	/ GONZALES, RI	05/83 WICKS, JAMES			18			Benton Washington	
MO368 600	PATROL TRAINING	KEH	/ GONZALES, RI	TANNER, ROBE			112			Benton Washington	
MO369 3000	MOBILE OFFICE NEAR 1262 BUILDI	KEH	/	TANNER, ROBE			172			Benton Washington	
MO370 3000	MOBILE OFFICE @ 2400 STEVENS	KEH	/ HOLLADAY, J	FOUCAULT, DA			10			Benton Washington	
MO371 200W	D&D FEMALE CHANGE	KEH	/ GONZALES, RI	TANNER, ROBE			46			Benton Washington	
MO376 600	FIELD TRAILER @ KEH SLAB	KEH	/	FOUCAULT, DA			22			Benton Washington	
MO377 200W	MOBILE OFFICE @ 275W	KEH	/ GONZALES, RI	TANNER, ROBE		4	46			Benton Washington	
MO378 400	MOBILE OFFICE (TRL 100) W. OF	KEH	/ GONZALES, RI	TANNER, ROBE			172			Benton Washington	
MO379 400	MOBILE OFFICE (TRL 102) W. OF	KEH	/ GONZALES, RI	TANNER, ROBE			172			Benton Washington	
MO382 100K	MOBILE OFFICE AKA: 1721K	SNF	/ KAVIANI, MA	SIDDOWAY, DE		7	156			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO384 200E	MOBILE OFFICE @ 2703E	KEH	/ GONZALES, RI	TANNER, ROBE			172			Benton Washington	
MO386 200E	MOBILE OFFICE @ DMRHF (2400E)	KEH	/ GONZALES, RI	TANNER, ROBE		1	172			Benton Washington	
MO387 200E	CONTROL ROOM TRAILER @ 2703E	KEH	/ GONZALES, RI	TANNER, ROBE			12			Benton Washington	
MO388 200E	MOBILE OFFICE @ 2721EA	ESQ	/ GONZALES, RI	GOOD, DONAL		5	135			Benton Washington	
MO392 200E	MOBILE OFFICE @ 243G (GROUT)	KEH	/ GONZALES, RI	TANNER, ROBE		1	172			Benton Washington	
MO393 200E	MOBILE OFFICE @ 272AW TANK	KEH	/ GONZALES, RI	TANNER, ROBE		7	112			Benton Washington	
MO395 300	MOBILE OFFICE (FMIT TRL 5)	KEH	/ GONZALES, RI			2	156			Benton Washington	
MO396 100N	RESTROOM TRLR @ 1209 BLDG	KEH	/	WITHERSPOON,			26			Benton Washington	
MO398 200E	RESTROOM TRAILER @ A	KEH	/ DEMPSEY, KEI	09/91 DEMPSEY, KEIT			22			Benton Washington	
MO400 200E	MOBILE OFFICE @ 271B	KEH	/ GONZALES, RI	TANNER, ROBE		23	429			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO402 100K	MOBILE OFFICE AKA:1718K (FKA:	SNF	/ SCHMIDT, JO	03/83 SIDDOWAY, DE		59	1018			Benton Washington	
MO404 1100	MOBILE OFFICE @ 1163	KEH	/ GONZALES, RI	01/84 TANNER, ROBE		36	687			Benton Washington	
MO405 200E	MOBILE OFFICE NW OF 202A	TRP	/ BAILEY, RON	HAMRICK, DOU		20	1288			Benton Washington	
MO406 200W	CHANGE/LUNCHR OOM TRAILER @	KEH	/ GONZALES, RI	TANNER, ROBE		15	258			Benton Washington	
MO407 200E	MOBILE OFFICE @ 2101M	KEH	/ GONZALES, RI	02/87 TANNER, ROBE		16	429			Benton Washington	
MO408 200E	MOBILE OFFICE @ 271B	KEH	/ GONZALES, RI	TANNER, ROBE		12	258			Benton Washington	
MO409 200E	ANALYTICAL LAB TRAILER @	TRP	/ KAMMENZIN				343			Benton Washington	
MO410 200E	MOBILE OFFICE @ 271B	KEH	/ GONZALES, RI	TANNER, ROBE		14	258			Benton Washington	
MO412 200W	MASK CLEANING STATION @ 2724W	KEH	/ GONZALES, RI	TANNER, ROBE		21	515			Benton Washington	
MO413 200E	MOBILE OFFICE @ 2750E	KEH	/ GONZALES, RI	TANNER, ROBE		12	687			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO414 200E	MOBILE OFFICE @ OLD 2704E SITE	KEH	/ GONZALES, RI	TANNER, ROBE		27	1030			Benton Washington	
MO421 600	FIELD TRAILER HTS YARD	PSS	/ GARDNER, M	DILIBERTO, AN			24			Benton Washington	
MO428 600	MOBILE FIELD OFFICE @ PFP	TRP	/ VOGT, ERIC C	VOGT, ERIC C		1	172			Benton Washington	
MO429 600	MOBILE FIELD OFFICE @PFP	TRP	/ VOGT, ERIC C	VOGT, ERIC C			172			Benton Washington	
MO432 200W	MOBILE OFFICE @ 270Z	TRP	/ VOGT, ERIC C	04/94 VOGT, ERIC C		10	172			Benton Washington	
MO433 200W	MOBILE OFFICE/CHANGE	PSS	/ WRIGHT, MAL	01/94 HAMILTON, WI		1	172			Benton Washington	
MO434 200E	MOBILE OFFICE @ 209E	KEH	/ GONZALES, RI	TANNER, ROBE		9	172			Benton Washington	
MO437 200W	MOBILE OFFICE @ 272WA	PSS	/ HAMILTON, W	09/95 HAMILTON, WI		6	172			Benton Washington	
MO438 200W	MOBILE OFFICE @ 272WA	PSS	/ HAMILTON, W	03/96 HAMILTON, WI		13	172			Benton Washington	
MO439 200E	MOBILE CHANGEROOM @	PSS	/ WICKS, JAMES	WICKS, JAMES			65			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO441 200W	MOBILE CHANGEROOM	KEH	/	DEMPSEY, KEIT			15			Benton Washington	
MO442 100K	MOBILE OFFICE @ 1726K	SNF	/ BLEHM, LORI	SIDDOWAY, DE		2	172			Benton Washington	
MO443 300	MOBILE OFFICE	PSS	/ ROBERTS, LEE	07/94 DILIBERTO, AN		2	51			Benton Washington	
MO444 200W	MOBILE OFFICE @ 23RD &	KEH	/ WITHERSPOO	WITHERSPOON,			53			Benton Washington	
MO445 200W	MOBILE OFFICE @ 23RD &	KEH	/ WITHERSPOO			3	53			Benton Washington	
MO446 200W	MOBILE OFFICE @ 23RD/DAYTON	KEH	/ WITHERSPOO	WITHERSPOON,		5	62			Benton Washington	
MO447 200W	STORAGE TRAILER E/O	TWR	/ REBER, DAVI	WICKS, JAMES			9			Benton Washington	
MO450 200W	STORAGE MOBILE N/O	TWR	/	WICKS, JAMES			9			Benton Washington	
MO451 200W	STORAGE MOBILE NE/O	TWR	/	WICKS, JAMES			9			Benton Washington	
MO454 200W	MOBILE OFFICE	KEH	/ EGGEBRATEN	FOUCAULT, DA		2	62			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO461 200W	INSTRUMENT MOBILE @ 101SY	TWR	/	WICKS, JAMES			46			Benton Washington	
MO465 200W	MOBILE OFFICE @ WRAP SITE	KEH	/	HARRIS, MAR FOUCAULT, DA		4				Benton Washington	
MO535 200W	MOBILE OFFICE @ 272WA	PSS	/	HAMILTON, W HAMILTON, WI		3	120			Benton Washington	
MO536 600	SPECIAL WAREHOUSE @	KEH	/	GONZALES, RI WALTON, CRAI			120			Benton Washington	
MO537 200E	CHANGE TRAILER @ 221B	TRP	/	MIDGETT, JOE MIDGETT, JOE			39			Benton Washington	
MO539 3000	MEN'S RESTROOM	KEH	/	HOLLADAY, J TANNER, ROBE			29			Benton Washington	
MO540 200E	PORTABLE CHANGE	TRP	/	HAMRICK, DO HAMRICK, DOU			15			Benton Washington	
MO542 200E	MOBILE OFFICE @ 202A (ATT'D/ID	KEH	/	GONZALES, RI TANNER, ROBE			120			Benton Washington	
MO543 300	MOBILE CHANGEROOM	KEH	/	RITTENHOUSE RITTENHOUSE,		1	120			Benton Washington	
MO549 100N	LUNCH ROOM - AKA TRL. 1 (ATT'	KEH	/	STAIR, JEFFRE WITHERSPOON,		14	167			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO550 100N	MOBILE OFFICE - AKA TRLR 2 (A	KEH	/ STAIR, JEFFRE	WITHERSPOON,		3	156			Benton Washington	
MO551 200E	MOBILE OFC @ BALTIMORE N/O	KEH	/ HOLLADAY, J	FOUCAULT, DA			156			Benton Washington	
MO552 200E	MOBILE OFFICE ON BALTIMORE	KEH	/ TENVOOREN,	TENVOOREN, M		10	156			Benton Washington	
MO553 200E	MOBILE OFFICE ON BALTIMORE	KEH	/ HARRIS, MAR	TANNER, ROBE		10	156			Benton Washington	
MO555 600	ESCORT TRAILER @	KEH	/ HOLLADAY, J	FOUCAULT, DA			67			Benton Washington	
MO556 200W	MOBILE OFFICE ON HILL E/O Z PL	KEH	/ HOLLADAY, J	FOUCAULT, DA		7	120			Benton Washington	
MO557 300	CF MOBILE OFFICE	KEH	/ RITTENHOUSE	RITTENHOUSE,		27	156			Benton Washington	
MO558 300	CM MOBILE OFFICE	KEH	/ RITTENHOUSE	RITTENHOUSE,		7	156			Benton Washington	
MO559 600	ESCORT TRAILER	KEH	/ ROE, WILLIA	FOUCAULT, DA			52			Benton Washington	
MO560 200E	MOBILE OFFICE @ UNSECURED	KEH	/ GONZALES, RI	TANNER, ROBE		7	156			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO565 300		KEH	/							Benton Washington	
MO569 200E	RESTROOM TRAILER @ 244CR	KEH	/ DEMPSEY, KEI	DEMPSEY, KEIT			22			Benton Washington	
MO570 200E	MOBILE OFFICE @ 244CR	KEH	/ DEMPSEY, KEI	DEMPSEY, KEIT		52	167			Benton Washington	
MO571 200E	OFFICE/LUNCHR OOM TRLR @	KEH	/ DEMPSEY, KEI	DEMPSEY, KEIT			67			Benton Washington	
MO573 200E	CHANGE/LUNCHR OOM TRLR X FM	KEH	/ WITHERSPOO	WITHERSPOON,			18			Benton Washington	
MO574 3000	CHANGEROOM TRAILER @ 224B	KEH	/ DEMPSEY, KEI	DEMPSEY, KEIT			22			Benton Washington	
MO656 300	MOBILE OFFICE	KEH	/	TANNER, ROBE			9			Benton Washington	
MO662 600	FIELD MOBILE @ SLAB YARD	KEH	/ HOLLADAY, J	FOUCAULT, DA			48			Benton Washington	
MO666 200E	MOBILE OFFICE @ 202A	TRP	/ KAMMENZIN	HAMRICK, DOU		2	48			Benton Washington	
MO667 600	FIELD LABORATORY @	KEH	/	DEMPSEY, KEIT			22			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO674 200E	MOBILE OFFICE @ 243G (GROUT)	KEH	/ GONZALES, RI	TANNER, ROBE			48			Benton Washington	
MO702 600	MOBILE OFFICE @ HTS PIPEYARD	PSS	/ GARDNER, M	DILIBERTO, AN			48			Benton Washington	
MO707 200E	PATROL TRAILER @ 202A	TRP	/ KAMMENZIN	HAMRICK, DOU		4	48			Benton Washington	
MO708 200W	MOBILE OFFICE @ 201R	TWR	/ GONZALES, RI	ERMOLD, LEON			48			Benton Washington	
MO709 300	MOBILE OFFICE ALSO KNOWN AS	STS	/ HUNTER, JAM	BROWN, LARRY			39			Benton Washington	
MO712 200W	MOBILE OFFICE S/O 622G	KEH	/ GONZALES, RI	DILIBERTO, AN			39			Benton Washington	
MO713 600	PORTABLE GEN/WATER	KEH	/ GONZALES, RI	TANNER, ROBE			48			Benton Washington	
MO716 200W	STORAGE TRAILER ON	KEH	/ HOLLADAY, J	FOUCAULT, DA			67			Benton Washington	
MO717 200E	LUNCHROOM TRAILER @ SLAB	KEH	/ WITHERSPOO	WITHERSPOON,			10			Benton Washington	
MO718 200E	LUNCHROOM TRAILER @ SLAB	KEH	/ WITHERSPOO	WITHERSPOON,			10			Benton Washington	

Building Area	Description	Perfor. Category / Contractor	Bldg. Code/Year / Building Manager	Year Buildt / Organiztional Manager	Mission	Occupants (Number) / Hazardous Materials	Area m² / SAR Number	ATC-21 Rating / Constur Type	Priority Score / Struct. Accidents	County / State	Number Stories / NPH Evaluation
MO719 200W	CALIBRATION LAB @ 272W	TWR	/ BROWN, ROD	08/81 TANNER, ROBE			10			Benton Washington	
MO720 200W	MOBILE OFFICE @ 272WA	PSS	/ HAMILTON, W	HAMILTON, WI		105	1374			Benton Washington	
MO721 200W	MOBILE CHANGE FACILITY @	PSS	/ HAMILTON, W	HAMILTON, WI		35	343			Benton Washington	
MO722 200W	MOBILE OFFICE @ 224U	KEH	/ GONZALES, RI	TANNER, ROBE			172			Benton Washington	
MO723 600	MOBILE OFFICE @ GATE 813, 200E	TWR	/	ERMOLD, LEON			172			Benton Washington	
MO724 600	MOBILE OFFICE @ GATE 813, 200E	PSS	/ CARTER, STE	KELLY, JAMES		5	172			Benton Washington	
MO725 600	MOBILE OFFICE @ GATE 813, 200E	PSS	/ CARTER, STE	KELLY, JAMES		9	172			Benton Washington	
MO727 200E	MOBILE @ LERF BASINS	TWR	/ GEARY, JAME	WICKS, JAMES			36			Benton Washington	
MO728 600	CHANGE FACILITY @	TWR	/ SAVINO, ANT	ERMOLD, LEON			67			Benton Washington	
MO729 600	RESTROOM FACILITY @	TWR	/ SAVINO, ANT	ERMOLD, LEON			24			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO730 600	RESTROOM FACILITY @	PSS	/ FILIP, JEFFRE	KELLY, JAMES			60			Benton Washington	
MO731 600	MOBILE OFFICE @ GATE 813	TWR	/ REBER, DAVI	WICKS, JAMES			146			Benton Washington	
MO732 600	MOBILE OFFICE @ HWVP SITE	TWR	/ SHOWALTER,	WICKS, JAMES		16	172			Benton Washington	
MO733 600	FIELD OFFICE MOBILE @ GATE	TWR	/ SHOWALTER,	WICKS, JAMES		25	67			Benton Washington	
MO734 600	MOBILE OFFICE @ HWVP (GATE	TWR	/ SHOWALTER,	WICKS, JAMES		13	172			Benton Washington	
MO738 200W	TANK FARM MOBILE FIELD	PSS	/ HAMILTON, W	HAMILTON, WI			48			Benton Washington	
MO739 200W	SWP CHANGE TRAILER @ 2706T	PSS	/ HAMILTON, W	HAMILTON, WI			48			Benton Washington	
MO741 300	HPT OFFICE @ 340	PSS	/ ROBERTS, LEE	06/94 DILIBERTO, AN		1	22			Benton Washington	
MO742 600		TWR	/	ERMOLD, LEON						Benton Washington	
MO743 200W	MOBILE SHOP/OFFICE @	PSS	/ HAMILTON, W	07/94 HAMILTON, WI		11	515			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO744 300	MOBILE OFFICE @ TEDF	PSS	/ ROBERTS, LEE	DILIBERTO, AN		11	172			Benton Washington	
MO745 300	MOBILE OFFICE @ TEDF	PSS	/ ROBERTS, LEE	DILIBERTO, AN		6	172			Benton Washington	
MO815 200E	CHANGE TRAILER @	TWR	/ GEARY, JAME	10/91 WICKS, JAMES			36			Benton Washington	
MO816 200E	CHANGE TRAILER @ 244A	TWR	/ ROSS, WILLIA	10/91 WICKS, JAMES			36			Benton Washington	
MO817 200W	CHANGE TRAILER @ TX	TWR	/ WICKS, JAMES	10/91 WICKS, JAMES			36			Benton Washington	
MO818 200E	CHANGE TRAILER @	TWR	/ GEARY, JAME	10/91 WICKS, JAMES			36			Benton Washington	
MO819 200W	CHANGE TRAILER @ SX	TWR	/ WICKS, JAMES	10/91 WICKS, JAMES			36			Benton Washington	
MO820 200E	CHANGE TRAILER @ AN	TWR	/ ROSS, WILLIA	10/91 WICKS, JAMES			36			Benton Washington	
MO821 200W	CHANGE TRAILER @ 207T	TWR	/ WICKS, JAMES	10/91 WICKS, JAMES			36			Benton Washington	
MO822 200E	CHANGE TRAILER @ 241C	TWR	/ ROSS, WILLIA	10/91 WICKS, JAMES			36			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO823 200W	CHANGE TRAILER @ U	TWR	/ WICKS, JAMES	10/91 WICKS, JAMES			36			Benton Washington	
MO824 200E	CHANGE TRAILER @	TWR	/ REBER, DAVI	10/91 WICKS, JAMES			36			Benton Washington	
MO825 200E	CHANGE TRAILER @	TWR	/ ROSS, WILLIA	10/91 WICKS, JAMES			36			Benton Washington	
MO826 200E	CHANGE TRAILER @ W/O	TWR	/ MURKOWSKI,	WICKS, JAMES			36			Benton Washington	
MO829 200E	MOBILE OFFICE @ BALTIMORE	KEH	/ BOOTHE, REB	FOUCAULT, DA		26	156			Benton Washington	
MO830 300	PIPEFITTERS LUNCHROOM	KEH	/ RITTENHOUSE	RITTENHOUSE,			12			Benton Washington	
MO831 200W	CHANGEROOM TRAILER NE OF Z	KEH	/ HUBBARD, BE				10			Benton Washington	
MO832 200E	LUNCHROOM OFFICE @ 202A	KEH	/ HOLLADAY, J	FOUCAULT, DA			46			Benton Washington	
MO833 200E	CHANGE/LUNCHR OOM TRAILER @	KEH	/ HOLLADAY, J	FOUCAULT, DA			26			Benton Washington	
MO834 200W	LUNCHROOM/OF FICE MOBILE @ Z	KEH	/ HOLLADAY, J	FOUCAULT, DA		3	67			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO835 200E	LUNCH/OFFICE MOBILE W/O 271T	KEH	/ HOLLADAY, J	FOUCAULT, DA			67			Benton Washington	
MO836 300	(DEMOLISHED) CHANGE	KEH	/	RITTENHOUSE,			13			Benton Washington	
MO837 200W	LUNCHROOM TRAILER ON	KEH	/ HOLLADAY, J	FOUCAULT, DA			56			Benton Washington	
MO838 200E	MOBILE OFFICE @ 4TH &	KEH	/ GONZALES, RI	TANNER, ROBE			112			Benton Washington	
MO839 200W	LUNCHROOM/OF FICE MOBILE @ Z	KEH	/ HOLLADAY, J	FOUCAULT, DA			67			Benton Washington	
MO840 200E	RECG & DISTRIB. OFC N/O 4TH ON	KEH	/ TENVOOREN,	TENVOOREN, M			67			Benton Washington	
MO841 200W	MOBILE OFFICE ON HILL E/O Z PL	KEH	/ HOLLADAY, J	FOUCAULT, DA		1	112			Benton Washington	
MO842 300	ELECTRICIANS LUNCHROOM	KEH	/ RITTENHOUSE	RITTENHOUSE,			67			Benton Washington	
MO843 200E	STORAGE/SHOP TRAILER @ 202A	KEH	/ HOLLADAY, J	FOUCAULT, DA			67			Benton Washington	
MO844 200E	OFFICE/LUNCHR OOM TRAILER @	KEH	/ HOLLADAY, J	FOUCAULT, DA			67			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO845 200E	LUNCHROOM TRAILER @ SLAB	KEH	/ HOLLADAY, J	FOUCAULT, DA			67			Benton Washington	
MO847 200W	RESTROOM TRAILER ON	KEH	/ HOLLADAY, J	FOUCAULT, DA			22			Benton Washington	
MO848 3000	MOBILE OFFICE @ SLAB YARD	KEH	/ WITHERSPOO	WITHERSPOON,			22			Benton Washington	
MO849 200E	CHANGE/LUNCHR OOM TRLR @	KEH	/ WITHERSPOO	WITHERSPOON,			12			Benton Washington	
MO850 200E	MOBILE OFFICE E. OF 2704HV	TWR	/ KIMBROUGH,	ERMOLD, LEON		21	268			Benton Washington	
MO851 3000	MOBILE OFFICE	TRP	/				134			Benton Washington	
MO852 200E	MOBILE OFFICE @ 4TH &	KEH	/ TENVOOREN,	TENVOOREN, M		25	429			Benton Washington	
MO853 200E	MOBILE OFFICE @ SLAB YARD	KEH	/ HOLLADAY, J	FOUCAULT, DA			35			Benton Washington	
MO854 100K	FIELD CHANGEROOM	KEH	/	WITHERSPOON,			51			Benton Washington	
MO858 200E	FIELD CHANGE/LUNCHR	KEH	/ DEMPSEY, KEI	DEMPSEY, KEIT			106			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO862 100N	TELEPHONE CENTER (AKA	KEH	/ MARTIN, RIC	FOUCAULT, DA			62			Benton Washington	
MO863 200E	OFFICE/LUNCHR OOM TRAILER @	KEH	/ GONZALES, RI	TANNER, ROBE		7	147			Benton Washington	
MO892 200W	MOBILE OFFICE W/O 271T	PSS	/ WRIGHT, MAL	HAMILTON, WI		1	125			Benton Washington	
MO901 200E	MOBILE OFFICE @ 4TH &	KEH	/ GONZALES, RI	TANNER, ROBE		4	125			Benton Washington	
MO902 300	MOBILE OFFICE SHOP (306 TRL 7)	KEH	/ GONZALES, RI				125			Benton Washington	
MO903 300	MOBILE OFFICE (FMIT TRL 9)	KEH	/ GONZALES, RI				125			Benton Washington	
MO904 300	MOBILE OFFICE N/O 4TH &	KEH	/ DEMPSEY, KEI	DEMPSEY, KEIT		16	125			Benton Washington	
MO905 3000	TELECOMMUNIC ATIONS PARTS	KEH	/	TANNER, ROBE			125			Benton Washington	
MO906 3000	TELECOMMUNIC ATIONS PARTS	KEH	/	TANNER, ROBE			125			Benton Washington	
MO907 100K	OFFICE TRAILER @ 1722K	SNF	/ LUCAS, CHRIS	SIDDOWAY, DE		5	125			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m^2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO908 400	MOBILE OFFICE W. OF 4706	KEH	/ GONZALES, RI	TANNER, ROBE			125			Benton Washington	
MO909 200W	MOBILE OFFICE @ 222T	PSS	/ HAMILTON, W	HAMILTON, WI			125			Benton Washington	
MO916 1100	MOBILE OFFICE @ 1163	KEH	/ GONZALES, RI	TANNER, ROBE			147			Benton Washington	
MO919 200E	MOBILE OFFICE W/O 241AY	KEH	/	DEMPSEY, KEIT		7	125			Benton Washington	
MO921 200E	MOBILE OFFICE @ 4TH &	KEH	/ GONZALES, RI	TANNER, ROBE		7	125			Benton Washington	
MO922 200E	OFFICE/CHANGE TRAILER @ 2703E	KEH	/ GONZALES, RI	TANNER, ROBE			125			Benton Washington	
MO924 200W	MOBILE OFFICE @ 202S	KEH	/ GONZALES, RI	TANNER, ROBE		11	125			Benton Washington	
MO926 300	MOBILE OFFICE (FMIT TRL 4)	KEH	/ GONZALES, RI				125			Benton Washington	
MO927 200E	MOBILE OFFICE @ 243G	KEH	/ DEMPSEY, KEI	DEMPSEY, KEIT			125			Benton Washington	
MO930 200E	CHANGE ROOM TRAILER @ 291B	KEH	/ GONZALES, RI	TANNER, ROBE			30			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO931 200E	GRAPHICS TRLR @ 284E (ATT	KEH	/ GONZALES, RI	TANNER, ROBE		4	134			Benton Washington	
MO932 200E	MOBILE OFFICE @ 4TH &	KEH	/ GONZALES, RI	TANNER, ROBE		8	143			Benton Washington	
MO933 300	MOBILE OFFICE (FMIT TRL 10)	KEH	/ GONZALES, RI				134			Benton Washington	
MO934 200E	CHANGE/LUNCHR OOM (PWRHSE	KEH	/ GONZALES, RI	TANNER, ROBE		3	62			Benton Washington	
MO935 300	MOBILE OFFICE (3763 TRL 1)	KEH	/ GONZALES, RI				107			Benton Washington	
MO936 200W	MOBILE OFFICE @ 222S	KEH	/ GONZALES, RI	TANNER, ROBE		7	147			Benton Washington	
MO938 1100	MOBILE OFFICE @ 1163	KEH	/ GONZALES, RI	TANNER, ROBE			147			Benton Washington	
MO939 200W	MOBILE OFFICE @ 234-5Z	KEH	/ GONZALES, RI	TANNER, ROBE		6	62			Benton Washington	
MO940 1100	MOBILE OFFICE @ 1163	KEH	/ GONZALES, RI	TANNER, ROBE		6	125			Benton Washington	
MO941 200W	MOBILE FIELD OFFICE @ 272WA	PSS	/ PYZEL, DONA	HAMILTON, WI			46			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m 2 SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO943 200E	STORAGE TRAILER @ 4TH	KEH	/ MUNNELL, LA	TANNER, ROBE			49			Benton Washington	
MO944 600	STORAGE TRAILER @ 622G	TWR	/ GONZALES, RI	ERMOLD, LEON			15			Benton Washington	
MO946 200E	MOBILE OFFICE @ PUREX	KEH	/ GONZALES, RI	TANNER, ROBE			112			Benton Washington	
MO947 200W	MOBILE OFFICE @ 2704S	KEH	/ GONZALES, RI	TANNER, ROBE			112			Benton Washington	
MO948 200E	MOBILE OFFICE @ 202A (ATT'D/ID	KEH	/ GONZALES, RI	TANNER, ROBE			112			Benton Washington	
MO949 200W		TWR	/	ERMOLD, LEON						Benton Washington	
MO951 100N	MOBILE OFFICE/LUNCHR	KEH	/ STAIR, JEFFRE	WITHERSPOON,			67			Benton Washington	
MO952 100N	MOBILE OFFICE/LUNCHR	KEH	/ STAIR, JEFFRE	WITHERSPOON,			67			Benton Washington	
MO953 200E	OFFICE/LUNCHR OOM TRAILER @	KEH	/	DEMPSEY, KEIT		4	52			Benton Washington	
MO954 100N	ELECTRICIANS STORAGE (AKA:	KEH	/ STAIR, JEFFRE	WITHERSPOON,			52			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO955 200E	MOBILE OFFICE @ UNSECURED	KEH	/ GONZALES, RI	TANNER, ROBE			112			Benton Washington	
MO956 200W	LUNCHROOM/TR AINING TRLR ON	KEH	/ HOLLADAY, J	FOUCAULT, DA			134			Benton Washington	
MO957 100N	MOBILE OFFICE (CONSTRUCTION)	KEH	/ HOLLADAY, J	FOUCAULT, DA			10			Benton Washington	
MO958 200E	OFFICE/LUNCHR OOM TRAILER @	KEH	/ HOLLADAY, J	FOUCAULT, DA			60			Benton Washington	
MO959 200E	RESTROOM TRAILER @ 224B	KEH	/ HOLLADAY, J	FOUCAULT, DA			22			Benton Washington	
MO961 200E	FIELD TRAILER @ 224B	KEH	/ FOUCAULT, D	FOUCAULT, DA			15			Benton Washington	
MO962 200E	CHANGE/LUNCHR OOM TRAILER @	KEH	/ FOUCAULT, D	WITHERSPOON,			15			Benton Washington	
MO964 200E	MOBILE OFFICE @ 224B	KEH	/ HOLLADAY, J	FOUCAULT, DA		2	67			Benton Washington	
MO965 200E	STORAGE TRAILER @ 224B	KEH	/ HOLLADAY, J	FOUCAULT, DA			52			Benton Washington	
MO966 200E	LUNCHROOM TRAILER @ 224B	TWR	/ HOLLADAY, J	WICKS, JAMES			112			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO967 200E	MOBILE OFFICE @ 224B	KEH	/ HOLLADAY, J	FOUCAULT, DA			67			Benton Washington	
MO968 200E	CHANGE TRLR @ 224B	KEH	/ FOUCAULT, D	FOUCAULT, DA			12			Benton Washington	
MO969 100K	MOBILE OFFICE	SNF	/ MILLER, CHA	08/94 SIDDOWAY, DE			312			Benton Washington	
MO970 200E	MOBILE OFFICE @ UNSECURED	KEH	/ GONZALES, RI	TANNER, ROBE		16	312			Benton Washington	
MO971 200E	MOBILE OFFICE @ UNSECURED	KEH	/ GONZALES, RI	TANNER, ROBE		13	312			Benton Washington	
MO972 3000	MOBILE OFFICE NEAR 1226	KEH	/	FOUCAULT, DA			15			Benton Washington	
MO973 200E	STORAGE/CONST RUCTION	KEH	/ HUBBARD, BE	FOUCAULT, DA			51			Benton Washington	
MO974 200E	STORAGE TRAILER @ 241A	KEH	/ DEMPSEY, KEI	DEMPSEY, KEIT			51			Benton Washington	
MO975 200E	CHANGEROOM TRAILER @ SLAB	KEH	/ HOLLADAY, J	TANNER, ROBE			13			Benton Washington	
MO976 200E	CHANGEROOM TRAILER @ S	KEH	/ HOLLADAY, J	FOUCAULT, DA			13			Benton Washington	

Building Area	Description	Perfor. Category Contractor	Bldg. Code/Year Building Manager	Year Buildt Organiztional Manager	Mission	Occupants (Number) Hazardous Materials	Area m² SAR Number	ATC-21 Rating Constur Type	Priority Score Struct. Accidents	County State	Number Stories NPH Evaluation
MO977 200E	CHANGEROOM TRAILER @ SLAB	KEH	/ DEMPSEY, KEI	DEMPSEY, KEIT			12			Benton Washington	
MO979 300	MOBILE OFFICE @ ESML CONST.	KEH	/	RITTENHOUSE,		8	172			Benton Washington	
MO980 300	MOBILE OFFICE @ EMSL SITE	KEH	/	RITTENHOUSE,			172			Benton Washington	
MO990 600	MOBILE OFFICE @ 251W	KEH	/ GONZALES, RI	TANNER, ROBE			62			Benton Washington	
MO991 200E	MOBILE OFFICE @ 200E	KEH	/ GONZALES, RI	TANNER, ROBE		2	172			Benton Washington	
MO993 200E	MOBILE CHANGEROOM @	TRP	/ HAMRICK, DO	HAMRICK, DOU			51			Benton Washington	
MO994 200E	MOBILE OFFICE @ UNSECURED	KEH	/ GONZALES, RI	TANNER, ROBE		6	125			Benton Washington	
MO995 200E	MOBILE OFFICE @ 271B	KEH	/ GONZALES, RI	TANNER, ROBE		5	125			Benton Washington	
MO996 200E	MOBILE OFFICE @ 272AW	KEH	/ GONZALES, RI	TANNER, ROBE		7	125			Benton Washington	
MO997 200W	MOBILE OFFICE @ 243G (GROUT)	KEH	/ GONZALES, RI	WICKS, JAMES		17	125			Benton Washington	

Building	Description	Perfor. Category	Bldg. Code/Year	Year Buildt	Mission	Occupants (Number)	Area m 2	ATC-21 Rating	Priority Score	County	Number Stories
Area		Contractor	Building Manager	Organiztional Manager		Hazardous Materials	SAR Number	Constur Type	Struct. Accidents	State	NPH Evaluation
MO998	FIELD TRAILER		/				24			Benton	
600	HTS YARD	PSS	GARDNER, M	DILIBERTO, AN						Washington	

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