

# FRANKLIN COUNTY LOCAL EMERGENCY PLANNING COMMITTEE

ESF #10 Hazardous Materials Response



## Record of Changes

| Revision Number | Nature of Change                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Date of Change | Initials |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|
| 1               | Complete rewrite with formatting to make ESF 10 a “stand alone” plan.                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10/2022        | SD       |
| 2               | Updated tables w/ 2022 data pgs. 25-31 and pg. 46 data                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 09/2023        | SD       |
| 3               | Updated tables w/ 2023 data pgs. 25-31 and pg. 46 data; pg53/54 removed Tesoro – no foam                                                                                                                                                                                                                                                                                                                                                                                                                          | 09/2024        | SD       |
| 4               | <u>Added text and link to SB 6164 with RCW 70.136-pg. 7;</u><br><u>added timely notification info.-pg. 11;</u><br><u>Added definitions of type 1 &amp; 2 hazmat spill/release-pg. 12;</u><br><u>Hyperlinked LEPC &amp; SERC throughout doc;</u><br><u>Added compliance to SB 6164 in Public Warning-pg. 14;</u><br><u>Added conduct Public Meetings for type 1&amp;2 incidents-pg. 18;</u><br><u>Added WA Dept. of Ecology to Areas of Coordination-pg. 20;</u><br><u>Updated tables with 2024 data-pg. 24-29</u> | 07/2025        | SD       |
| 5               | <u>Page 4, Added contact info for FCEM / FC LEPC and corrected WA EMD name by adding “Management”;</u><br><u>Page 6 update NW Contingency Plan hyperlink;</u><br><u>Page 8 &amp; 9 updated Pipeline maps;</u><br><u>Page 10 added Highway 17</u>                                                                                                                                                                                                                                                                  | 12/2025        | SD       |
| 6               | <u>Added Chair/Vice on pg 4, Changed WAEMD name pg 4,</u><br><u>added EPCRA app links pg 13, Change 14days to 30days</u><br><u>and added 304 form link and contacts pg25, added state approved contractors link pg 17;</u><br><u>Removed SEWSOG pgs 5,12,10-18,20,47-49</u>                                                                                                                                                                                                                                       | 06/30/2026     | SD       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |          |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |          |

All revisions to the Franklin County Hazardous Materials Response Plan – Emergency Support Function (ESF) #10 will originate from the [Local Emergency Planning Committee \(LEPC\)](#). Before any revisions are finalized, the LEPC chairperson, or EM Director in their absence, will approve the revisions recommended by the LEPC or its subcommittee.



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Coordination of Emergency Support Function (ESF) #10 Oil and Hazardous Materials Response Plan falls to the [Local Emergency Planning Committee \(LEPC\)](#) per Superfund Amendments and Reauthorization Act (SARA) Title III, “The Emergency Planning and Community Right-To-Know Act of 1986” (EPCRA). Franklin County Emergency Management, the designated Community Emergency Coordinator for the Franklin County [LEPC](#), provides support to the [LEPC](#) in the implementation of ESF #10. This ESF #10, while a portion of the Comprehensive Emergency Management Plan (CEMP) for Franklin County, can operate as a stand-alone plan.

**Franklin County Emergency Management/FC LEPC:**

Director, (509) 545-3546; (509) 316-2953; [fc-ecm@franklincountywa.gov](mailto:fc-ecm@franklincountywa.gov) and [sdavis@franklincountywa.gov](mailto:sdavis@franklincountywa.gov)

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**Lead Agencies:**

Franklin County Fire Districts and Municipal Fire Departments (Franklin County Fire Districts #1,2,3,4,5, City of Connell Fire Department, City of Pasco Fire Department)

Washington State Patrol

Washington State Department of Ecology

**Support Agencies:**

Franklin County Emergency Management/LEPC

Law Enforcement Agencies

Benton-Franklin District Health District

Southeast Communications Center

City/County Public Works/Engineering Departments

Regulated Facilities/Responsible Party

**State Leads**

Washington State Department of Transportation

Washington Military Department, Emergency Management Division

Washington State Patrol

Washington State Department of Ecology

**Federal Leads**

U.S. Environmental Protection Agency

U.S. Coast Guard

## INTRODUCTION

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### Purpose

The purpose of this support function is to provide for effective and coordinated response by City and County Governments to protect emergency workers and the public from adverse effects of hazardous material emergencies in Franklin County.

The plan provides guidance for hazardous materials incident planning, notification and response as required by SARA Title III of 1986, also known as the [Emergency Planning & Community Right-to-Know Act](#), which shall hereafter be referred to as EPCRA.

### Scope

Emergency Support Functions are the strategic planning annexes to the CEMP. The ESF 10 provides for a coordinated response to actual or potential discharges and/or releases of hazardous materials within Franklin County.

This ESF applies to all emergencies involving the actual or potential release of radioactive or non-radioactive hazardous materials within or affecting Franklin County, except for those originating from the DOE Hanford Site or CGS. (DOE Hanford Plan and REP Plan published separately and available on request.) Response to hazardous material emergencies at those facilities will be carried out in accordance with the hazard-specific response plans for those activities.

Planning for every hazardous material contingency is beyond the scope of this ESF. This ESF provides broad objectives that will provide the greatest protection of life and health, the environment and property.

This establishes the policies and procedures under which Franklin County will operate in the event of a hazardous materials incident, oil spill, or other release. It prepares Franklin County and its political subdivisions for incident response and minimizes the exposure to or damage from materials that could adversely impact human health and safety or the environment; and, outlines the roles, responsibilities, procedures and organizational relationships of government agencies and private entities when responding to and recovering from a hazardous materials event.

### Core Capabilities and Actions

The following table lists the response and recovery core capabilities that ESF #10 most directly supports along with the related ESF #10 actions. Though not listed in the table, all ESFs, including ESF #10, support the following core capabilities: Planning, Operational Coordination, and Public Information and Warning.

| Mission Area | Core Capability                          | ESF #10—Hazardous Materials Response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Response     | Critical Transportation                  | <ul style="list-style-type: none"> <li>For incidents where transportation infrastructure or routes are contaminated by oil or hazardous materials:</li> <li>Helps to identify safe evacuation and ingress routes; assesses the nature and extent of contamination.</li> <li>For incidents involving a release or threat of release associated with a CBRN threat agent resulting in a contaminated debris field:</li> <li>ESF #10 assumes leadership for management of CBRN-contaminated debris after the emergency phase is over.</li> </ul>                                                              |
|              | Infrastructure Systems                   | <ul style="list-style-type: none"> <li>For incidents where infrastructure is contaminated by hazardous materials:</li> <li>Assesses the nature and extent of contamination and cleans up and/or decontaminates infrastructure.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                  |
|              | Environmental Response/Health and Safety | <ul style="list-style-type: none"> <li>Conducts actions to detect and assess the nature and extent of hazardous materials releases.</li> <li>Takes appropriate actions to stabilize the release and prevent the spread of contamination; conducts environmental cleanup actions; and decontaminates buildings and structures; and manages contaminated wastes.</li> <li>Minimize public exposure to environmental hazards through assessment of the hazards and implementation of public protective actions.</li> <li>Follows applicable health and safety requirements for ESF #10 responders.</li> </ul> |
| Recovery     |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### Policies And Legal Authorities

The State Department of Ecology (ECY) has overall responsibility for 24-hour environmental pollution prevention, preparedness, and response within the state of Washington as identified in the Northwest Area Contingency Plan - <https://oilspills101.wa.gov/northwest-area-contingency-plan/nw-area-contingency-plan/>.

The emergency field response to incidents of hazardous materials spills and releases is the responsibility of the fire services. The Washington State Patrol is Incident Command for hazardous materials incidents in the entire county, not just on state highways, unless a fire agency having authority has specifically notified the WSP that they will assume Incident Command Authority in their jurisdiction in accordance with [RCW 70.136.030](#).

### Local

[Interlocal Cooperation Agreement - Emergency Management Organization Interlocal Agreement, January 1, 2021 through December 31, 2028.](#)

### State statutes and regulations

- [RCW 38.52.070](#) - Local organizations and joint local organizations authorized - Establishment, operation - Emergency powers, procedures.
- [RCW 70.136](#) and [SB 6164](#) - Hazardous materials incidents.
- [RCW 70.136.030](#) - Incident command agencies - Designation by political subdivisions.
- [RCW 90.56.020](#) – Director responsible for spill response (Department of Ecology).
- [Chapter 118-40 WAC](#) - Hazardous chemical emergency response planning and community right-to-know reporting.
- [Chapter 296-824 WAC](#) - Emergency response.
- [Chapter 296-824-30005 WAC](#) - Train your employees.

### Federal statutes and regulations

- [40 CFR Part 355](#) - Emergency Planning and Notification
- [40 CFR Part 370](#) - Hazardous Chemical Report: Community Right-to-Know
- Comprehensive Preparedness Guide (CPG) 101 March 2009.
- National Response Framework – March 2008
- [29 CFR 1910.120](#) - Hazardous waste operations and emergency response.
- [U.S. Code: Title 42, Chapter 116, Section 11003a-g](#) - Comprehensive Emergency Response Plans: **This requires emergency planning to include (but is not limited to) each of the following nine parts that are incorporated into the Franklin County ESF-10 plan:**

|   | <i><b>Requirement Description</b></i>                                                                       | <i><b>Location in Plan</b></i>                        |
|---|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| 1 | <i>Identification of Facilities</i>                                                                         | <b>Appendix B</b>                                     |
| 2 | <i>Methods and Procedures to be followed by facility owners and operators</i>                               | <b>Appendix H</b>                                     |
| 3 | <i>Designation of a community coordinator</i>                                                               | <b>Concept of Ops-direction and control page 12</b>   |
| 3 | <i>Designation of facility emergency coordinator</i>                                                        | <b>Appendix B</b>                                     |
| 4 | <i>Procedures providing reliable, effective, and timely notification</i>                                    | <b>Concept of Ops, General</b>                        |
| 5 | <i>Methods for determining the occurrence of a release and the area or population likely to be affected</i> | <b>Concept of Ops, Release Identification page 11</b> |
| 6 | <i>Description of emergency equipment and facilities and in the community</i>                               | <b>Appendix I</b>                                     |
| 7 | <i>Evacuation Plans</i>                                                                                     | <b>Appendix E</b>                                     |
| 8 | <i>Training Programs</i>                                                                                    | <b>Appendix F and G</b>                               |

|   |                                               |            |
|---|-----------------------------------------------|------------|
| 9 | Methods and schedules for exercising the plan | Appendix G |
|---|-----------------------------------------------|------------|

## SITUATION & ASSUMPTIONS

### Situation

All areas of Franklin County are vulnerable to the damaging effects of emergencies involving the use, processing, storage or transportation of hazardous materials. The types and quantities of hazardous materials that may be in Franklin County at any single time are subject to change.

Transportation of hazardous materials through Franklin County creates a potential for emergencies affecting populated areas. Materials transported through populated areas by road, and rail are a significant hazard due to their frequency and quantity.

The Hanford Site (currently being stored at the Hanford Site is radioactive waste from cold war era nuclear weapons production) and the Energy Northwest Columbia Generating Station (a nuclear power plant that was constructed within the Hanford Site) both hold unique risk.

Un-odorized natural gas pipelines enter the county from northeast and the northwest; both hold unique risk.

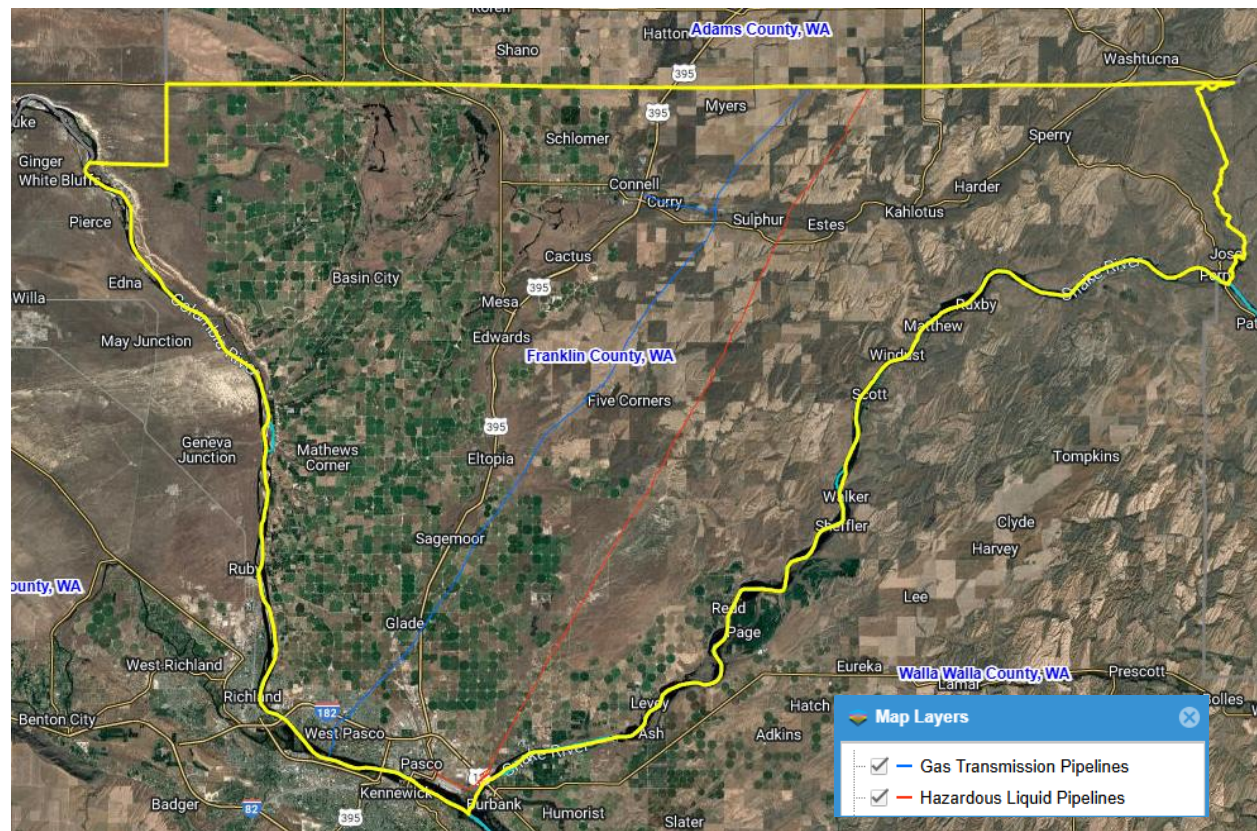


Figure 1. Gas & Hazardous Liquid Pipelines in County – PIMMA 12/2025

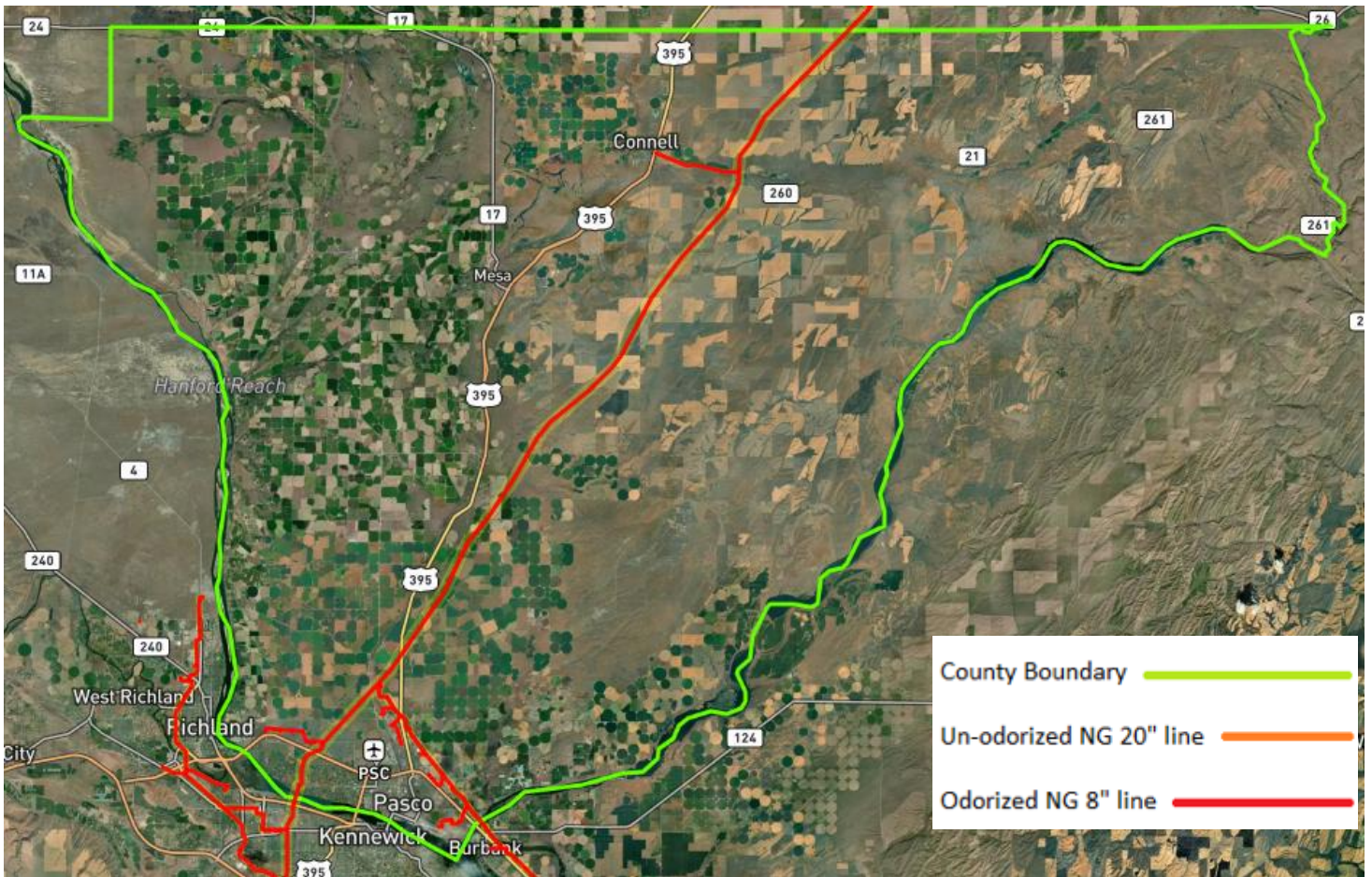


Figure 2. Natural Gas Pipelines in Franklin County – [Pipelineawareness.org/ISEPA](http://Pipelineawareness.org/ISEPA) 12/2025

### Assumptions

An accidental release of hazardous materials could pose a threat to the local population or environment.

The possible effects of an emergency could range from a small cleanup problem to the evacuation of residences, businesses and special facilities. Chemical, radiological and hazardous materials incidents from transportation as well as fixed facilities represent risks to the County.

Protective actions that may be necessary for the public in the affected area may include sheltering, evacuation, and the protection of animals, water and food supplies. The choice of protective actions will depend on many factors including the magnitude, severity and urgency of the situation, the characteristics of the area and population involved, weather and road conditions.

Hazardous materials that are transported may be involved in railroad accidents, highway collisions, or airline incidents.

Damage to, or rupture of, pipelines, transporting materials that are hazardous if improperly released will present serious problems.

Emergency exemptions may be needed for disposal of contaminated material.

A hazardous materials incident may be caused by or occur during another emergency, such as flooding, a major fire or earthquake. A major transportation hazardous materials incident may require the evacuation of citizens from any location in Franklin County along these main arterials:

Interstate 182

State Route 170

Highway 395

Highway 12

Highway 17

Rail freight service; Burlington Northern/Santa Fe & Union Pacific

Columbia River

The length of time available to determine the scope and magnitude of a hazardous materials incident will impact protective action recommendations. As will the response capability of the fire agency in the affected area. Wind shifts and other changes in weather conditions during an incident may necessitate changes in protective action recommendations.

In the event of an evacuation, at least 75% of the population at risk will relocate to private homes, or hotel/motel facilities. For planning purposes, mass care resources will be identified for 25% of the risk population.

Hazardous materials could possibly enter water or sewer systems and necessitate the shutdown of those systems.

### Limitations

This plan does not imply, nor should it infer or guarantee a perfect response will be practical or possible. No plan can shield individuals from all events. As government assets and systems may be overwhelmed, jurisdictions can only try to make every reasonable effort to respond based on the situation, information, and resources available at the time of the event.

Every reasonable effort will be made to respond to emergencies, events or disasters; however, personnel and resources may be overwhelmed.

There may be little to no warning during specific events to implement operational procedures.

Successful implementation of this plan depends on timely identification of capabilities and available resources at the time of the incident and a thorough information exchange between responding organizations and the facility or transporter.

This plan does not cover the DOE-Hanford or Columbia Generating Station plans. Franklin County Emergency Management, in coordination with Benton County Emergency Services, the state of Washington and Energy Northwest, has developed plans to respond in the unlikely event of an accident at the Columbia Generating Station (CGS). CGS is the Northwest's only commercial nuclear power plant and is owned and operated by Energy Northwest. The plans are designed to help protect nearby residents, specifically those living within the Emergency Planning Zones (EPZ) around the nuclear plant. They are addressed separately in the Franklin County CGS plan and the Franklin County CEMP at: <https://franklinem.org/fcem-plans-documents/>

## CONCEPT OF OPERATIONS

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### General

The [Franklin County Local Emergency Planning Committee \(LEPC\)](#) will assist in preparing and reviewing hazardous material response plans and procedures. The authorized representative of the regulated facilities and transportation companies involved in an actual or suspected release of a hazardous material will promptly notify SECOMM Center and/or appropriate response agency(s) of the incident. They will also make recommendations to the responding agencies on how to contain the release and protect the public and environment. There is no established countywide HAZMAT Team in Franklin County.

The responsible party (RP) having a HAZMAT Emergency will follow their notification procedures for reporting a release in excess or reportable quantities.

Agencies responding to the release will do so only to the extent of their personnel's training and qualification, available resources and capabilities. The Incident Commander will request the assistance of regional, mutual aid partners when the size and scope of the hazardous materials incident exceeds the response capabilities of the primary response agency.

The first priority of the Incident Commander will be to determine the appropriate protective action for the public, disseminate such recommendations, and implement them. In the event of a hazardous materials spill or release, the IC and/or LEPC entity will coordinate with Franklin County Emergency Management to ensure timely notification of at-risk populations as required under [RCW 38.52.070\(3\)\(a\)\(i\)](#) and [RCW 70.136.080](#). Notifications will be coordinated with the Incident Commander and State On-Scene Coordinator (Department of Ecology) and may include public alerts through WEA, EAS, reverse calling systems, and other locally available communication channels. Efforts will be made to notify affected populations in multiple languages and formats to ensure accessibility.

This could/should be done through the Franklin County Emergency Coordination Center if it is activated/open. Incident Command will coordinate with the ECC Emergency Manager or designee for activation of any of the alerting systems or messages. Door-to-door evacuations will be managed by the Incident Commander.

Agencies responding to the release will assist with the identification of the party responsible for the hazardous materials incident through the collection and reporting of relevant information related to their response activities. Incident-related information should be reported to the Incident Commander.

If the incident requires on-going coordination or additional resources, the Incident Commander may request assistance from Franklin County Emergency Management (FCEM) and the ECC may be activated upon request by the IC. The FCEM ECC will notify the State Emergency Operations Officer (SEOO) of ECC status. If requested or necessary, a Joint Information Center/System (JIC/JIS) will be opened to coordinate public messaging between both public and private organizations.

### Direction and Control

The National Incident Management System (NIMS) and the Incident Command System (ICS) will be used in all hazardous materials emergency response in accordance with federal, state, and local laws.

When a hazardous materials release occurs in Franklin County, Franklin County Emergency Management/Emergency Coordination Center (ECC) will act as the Community Emergency Coordinator to support the field operations if requested by the IC.

The response to a hazardous materials incident will be performed in accordance with [RCW 70.136.030](#), applicable code, ordinance, or agreement. The designated ICs for jurisdictions within Franklin County are identified in Appendix C. The IC will direct the activities of deployed emergency response elements through the Incident Command Post (ICP). The response will initially concentrate on the immediate needs at the incident site by isolating the area, implementing traffic controls, containing the spill, and formulating and implementing protective actions for emergency responders and the public at risk.

## ACTIONS

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### Release Identification

The recognized methods and procedures responders will use to identify the release of hazardous materials vary by training and qualification. First responders will limit their actions to identify the occurrence of a release to those protocols specified for the hazardous materials response qualification level to which they are trained and currently qualified. Responders will follow their protocols per their specific level of training.

Releases of hazardous materials in transit will most likely be observed by the transport agent, citizens and/or responders. The methods and procedures used to determine whether a release occurred will also vary by the qualification of the responder and the resources available to the transport agent.

Generally, the major facility operators in Franklin County assign a designated individual, or a Facility Emergency Coordinator, who are on duty 24/7 for emergencies. They are responsible for taking appropriate action including the reporting of incidents to local responders, the Washington State Department of Ecology, the local LEPC, and SERC, as well as the National Response Center (NRC). The Facility Emergency Coordinator, authorized representative or responsible party is expected to provide effective and timely notification of a release by telephone on behalf of the facility. The facilities Emergency Coordinator or the Responsible Party maintains the liaison relationship with the local responders and utilizes the facility's Emergency Response Plan to advise, as necessary.

A **"type 1 hazardous material spill or release"** is a spill or release of national significance, requiring the activation of the department of ecology's crisis management team, incident management team, command, and general staff; involvement of the governor's office and federal agency officials; establishment of area command; and active involvement of the department of ecology spills program manager. It may require the establishment of a national incident commander; per [SB 6164](#)

A **"type 2 hazardous material spill or release"** is a large or major incident of long duration, requiring the activation of the department of ecology's crisis management team, incident management team, unified command at an appropriate command post, and most or all of the command and general staff positions. It may require other incident management teams, such as industry, federal, or local; cascading of resources from other states; and establishment of area command. The incident will go into multiple operational periods, and require significant product spilled and numerous sensitive sites threatened. A written incident action plan will be required for each operational period", per [SB 6164](#)

Following a type 1 or type 2 hazardous materials spill or release, the Washington State Department of Ecology (in conjunction with Unified Command) will host at least one public meeting to inform the

community about the incident, response actions, and potential impacts. The LEPC will coordinate with Ecology to share meeting details with affected populations and encourage community participation.”

## Emergency Response

The methods and procedures used to respond to the release of hazardous materials conform to the standards set in the National Fire Protection Association (NFPA) 472 - Standard for Professional Competence of Responders to Hazardous Materials Incidents and only vary by training and competency. First responder competencies, like training, are defined at the awareness, operational, technician and specialist levels. Responders ability to determine and monitor the affected area will be dependent on their level of training. Refer to the training section (see Appendix F for specific requirements).

Responders trained to the awareness level are likely to witness or discover a hazardous substance release; are trained to initiate an emergency response by notifying the proper authorities of the release and take no further action beyond notifying the authorities.

Responders trained to the operational level will respond to actual or potential releases in order to protect nearby persons, property, and/or the environment from the effects of the release. They are trained to respond **defensively**, without trying to stop the release and may try to confine the release from a safe distance, keep it from spreading and/or protect other from hazard exposures.

Responders trained to the technician level will respond with the intent of stopping the release and are trained to approach the point of release **offensively** in order to either plug, patch or stop the release using other methods.

As quickly as possible first responders should identify the type or types of materials involved, and the scope of the incident. Information can be gathered from the reporting party, the dispatch center (SECOMM), the responsible party, placards, and references such as the North American Response Guidebook, Chemtrec, and CAMEO. The following referenced materials and resources below can aid in the decision-making process, including determining affected areas and evacuation and shelter-in-place areas:

WA EPCRA mobile app, which is available as a free download in the Apple Store and Google Play-see below. The [Emergency Response Guidebook \(Current Edition\)](https://www.phmsa.dot.gov/) – <https://www.phmsa.dot.gov/> using the “Table of Initial Isolation and Protective Action Distances”

[Hazard Communication Standard: Safety Data Sheets \(SDS\)](#)

[Chemical Transportation Emergency Center \(CHEMTREC\)](#)

[AIHA Emergency Response Planning Guidelines](#)

[NIOSH Pocket Guide to Chemical Hazards](#)

[CAMEO Chemicals](#)

[Area Locations of Hazardous Atmospheres \(ALOHA\)](#)

[Mapping Applications for Response, Planning, and Local Operational Tasks \(MARPLOT\)](#)

[Washington State EPCRA Viewer - Apps on Google Play](#)

[Washington State EPCRA Viewer App - App Store](#)

## Public Safety/Public Warning

Regulated facilities are required to have evacuation plans for employees and visitors. Washington State Administrative Code ([WAC](#)) [296-24-567](#) requires each facility to have an emergency action plan which includes, at a minimum:

- Evacuation procedures and route assignments;
- Procedures for employees who remain to operate critical plant operations before they evacuate;
- Procedures to account for all employees after emergency evacuation has been completed;
- Rescue and medical duties for those employees who are to perform them;
- The preferred means of reporting fires and other emergencies; and
- Names or regular job titles of persons or departments who can be contacted for further information or explanation of duties under the plan.

The primary objective of every hazardous materials response is to protect the people at risk. This includes the employees of an affected facility and/or transportation company as well as citizens, visitors, and responders in the immediate area of the release and/or projected plume. Protection of the public during a chemical emergency is a complex undertaking and is the responsibility of the Incident Commander. Evacuation is the recognized standard for population protection; however, recent research indicates shelter-in-place should be considered as a better alternative for many hazardous materials incidents. These two strategies are available for the Incident Commander to consider for the protection of the public. Each strategy (evacuation or shelter-in-place) has inherent advantages and disadvantages and can only be issued as an advisory.

The advantage of evacuation is it removes employees, citizens, and visitors from the present and any future risks in the affected area. The concept of removing the population from risk is also acceptable and preferred strategy for many members of the public. Evacuations are, however, highly disruptive events

which create other challenges such as traffic control and sheltering. An effective evacuation may take hours to complete, during which evacuees may be exposed to unsafe concentrations of the toxic substance they are attempting to avoid.

Shelter-in-place can be instituted in a relatively short period of time. The population does not have long distances to travel and they are, for the most part, familiar with their surroundings. The speed with which a shelter-in-place effort can be implemented and may make it the only reasonable short-term protective option for hospitals, nursing homes and corrections facilities. However, the concept of shelter-in-place is a foreign notion to many citizens who will self-evacuate. Training and exercising sheltering-in-place plans, for those facilities where it might prove useful, will increase the successful implementation of that process if ever needed. It should be considered only for incidents expected to last for a short duration or when evacuation would result in harmful exposure to the public.

No single protective strategy is applicable in all situations. The two strategies are not mutually exclusive and may be combined to achieve maximum population protection in some situations. For example, shelter-in-place for the public in an appropriate radius around a toxic release, combined with evacuation of downwind populations might result in the best protection potential for the greatest number of people.

The decision to evacuate or order shelter-in-place should be based upon known data or perceived risk when insufficient data is immediately available.

The IC has the authority to order protective measures appropriate to the type of threat, current weather conditions, condition of population at risk, response capabilities and timeliness, available transportation

resources, time of day and ability to communicate with the at-risk population. The procedures for implementing the evacuation and shelter-in-place strategies are found in Appendix C - Public Safety Procedures.

## **Public Warning**

If a release is of public safety concern, the public will receive emergency warning and notification of a hazardous materials release through multiple channels of communication per the request of the IC. This will occur in compliance with [SB 6164](#) requirements. The IC can make the request directly to Franklin County Emergency Management or through SECOMM and request Emergency Management. The EM Director or designee will utilize a notification system called CodeRED to notify the public of dangers or risks to their lives and/or property.

Three methods of warning may be used in Franklin County: The Emergency Alert System, Code Red, and Route Alerting.

The Emergency Alert System results in wide-area alerting of up to three counties (Benton, Franklin, and Walla Walla). It can be activated by authorized officials in each jurisdiction, according to procedures contained in the Columbia Basin EAS Operational Area Plan. This system relies on all Radio and Television stations in the area to monitor the Common Program Control Station (KONA) and re-broadcast any emergency messages immediately.

The CodeRED system is an opt-in high speed mass notification system that allows for voice notification to landlines and voice and text notifications to cell phones as well as email and TDD notifications. CodeRED messaging can be geographically targeted to provide information to those in an effected area. CodeRED also provides Franklin County Emergency Management access to FEMA's Integrated Alert & Warning System, also known as IPAWS. IPAWS provides Wireless Emergency Alerts (WEA) which allows for public safety emergency messaging to be sent to all wireless devices in a geographically targeted area or to the entire county.

Route alerting may be used in addition to an Emergency Alert System message. Route alerting includes the use of loudspeakers or public address systems on emergency vehicles or door-to-door canvassing of an area to ensure that residents have received the warning. In fast-breaking situations when protective actions must be taken immediately, route alerting would be the most expeditious method to warn the public. However, the ability to conduct route alerting would be limited if the safety of emergency workers is in question. Route Alerting is the most time-consuming of the methods available but can be concentrated in a smaller area.

## **Responder Safety**

It is essential that on-scene response personnel are protected from the adverse effects of hazardous materials contamination to safely perform their role in protecting the public and mitigating the incident. The safety of response personnel is a priority of ICS. A general Safety Officer shall be assigned to the Command Staff to assist the IC with responder safety. The Safety Officer is required to monitor operations, identify potential safety hazards, correct unsafe situations, and develop additional methods and procedures to ensure responder safety. The Safety Officer will be given authority to alter, suspend or terminate any activity he/she deems is unsafe. Safety Officers must be trained to the level of the incident, i.e., an operations level incident (gasoline spill) requires a Safety Officer trained to the operations level.

All responders to a hazardous materials incident will:

Adhere to applicable local, state, and federal laws, statutes, ordinances, rules, regulations, guidelines, and established standards pertaining to responder safety.

- Not exceed individual response certification level in accordance with Code of Federal Regulations (CFR) 1910.120 (HAZWOPER) and [Chapter 296-824 WAC](#) training under any circumstance. These certifications are outlined in the Training section (Appendix E).

## Resource Management

The response and recovery resources available to Franklin County come from federal, state, and local partners, public and private stakeholders, and non-governmental organizations. During response operations, acquisition of resources will be by preexisting mutual aid agreements memorandums of understanding (MOUs), memorandums of agreement (MOAs), interagency agreements (IAAs) and contracts or through emergent contracting in accordance with [RCW 38.52.070](#).

Private industry and regulated facilities may have resources and capabilities to respond immediately in the event an incident may impact their facility or is the cause of the incident.

## Containment/Clean-Up

Hazardous material containment and cleanup oversight is the responsibility of the Incident Commander at the incident site. In Franklin County this activity may be coordinated with the WA State Department of Ecology and the appropriate county departments such as Benton-Franklin Health District or city/county Planning and Public Works.

Response agencies will:

- Identify, contain, recover, and properly treat or remove hazardous materials and dispose of at state permitted site.
- Limit incident site entry to trained personnel with appropriate PPE.
- Follow decontamination procedures to limit area of contamination and restrict further spread of hazardous materials.
- Plan for restoration and mitigation of damage to the environment.

Although the containment and clean-up coordination is the responsibility of the Incident Command agency, the Responsible Party (RP) is liable for all response and remediation costs as stated in [Chapter 70-105D RCW](#). Depending on the material and/or quantity, cleanup may be arranged through an independent contractor and long-term site control and clean up strategies are developed in partnership with the EPA. The list of [state approved hazardous materials spill contractors](#) is available through the Department of Ecology.

## RESPONSIBILITIES

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### Lead Agencies

Lead agencies have primary responsibility for mitigation, preparedness, response, and recovery with a focus on life safety, property protection and environmental preservation. These responsibilities include but are not limited to ensuring the readiness of skilled personnel, equipment, response procedures and protocols, responder training programs, resource coordination and the hazardous materials response program.

| ESF Lead Agency                                                      | ESF Responsibilities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Franklin County Fire Districts and Municipal Fire Departments</b> | <p>Provide a limited initial response to hazardous materials incidents based on responder training and expertise.</p> <p>Act as incident commander until qualified hazardous materials IC arrives (except on state, interstate highways or in areas where the Washington State Patrol is designated as incident commander).</p> <p>Notify the appropriate dispatch agency when the magnitude of the incident exceeds the expertise of the initial responder(s).</p> <p>Identify hazardous material(s) without compromising safety (placard number, shipping documents, driver comments, etc.).</p> <p>Provide for the safety of the public by whatever means necessary (evacuation, shelter-in-place).</p> <p>Isolate the affected area in accordance with the Emergency Response Guidebook or other appropriate resource information.</p> <p>Effectively deploy all necessary and available fire jurisdiction equipment and manpower.</p> <p>Deploy mutual aid, as requested</p> <p>Provide scene management expertise and equipment.</p> <p>Evaluate/establish exclusionary zones.</p> <p>Support responding Hazmat response with personnel, equipment, and other assistance, as required and able.</p> <p>Provide coordination and control of manpower and equipment through the communications center and at a command post near the scene.</p> <p>Provide manpower and equipment for decontamination and emergency medical aid at the scene of a hazardous material incident.</p> <p>Provide manpower and equipment for control and containment of a hazardous material release or fire involving hazardous materials, whenever possible.</p> <p>Provide emergency medical care and transportation for those injured in a hazardous material incident.</p> <p>Perform other operations which may be appropriate in accordance with training.</p> <p>Perform duties as directed by incident commander.</p> <p>Coordinate with representatives from the impacted jurisdiction and/or Franklin County Emergency Management.</p> |
| <b>Washington State Patrol</b>                                       | <p>Act as designated incident command agency for hazardous materials incidents on interstate and state highways and in areas specifically designated by the local political entity. When the local jurisdiction does not designate an incident command agency, WSP assumes incident command for the jurisdiction in accordance with <a href="#">RCW 70.136.030</a>.</p> <p>When necessary, establish a unified command system with fire departments, emergency medical services and other state and federal agencies.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Washington State<br/>Department of<br/>Ecology</b> | <p>Provide 24-hour emergency response to reported spill incidents.</p> <p>Represent state laws and interests in oil and hazardous substances incidents by acting as the State On-Scene Coordinator (SOSC) in the Unified Command System.</p> <p>Coordinate response efforts with other local, tribal, state, and federal agencies.</p> <p>Maintain resource list of cleanup contractors, equipment, and technical/scientific personnel for hazardous materials incidents.</p> <p>Assist in determining the release source, cause, and responsible party.</p> <p>Coordinate incident cleanup if the responsible party is non-responsive or unknown.</p> <p>Provide on-scene coordination and technical assistance on containment, cleanup, disposal, recovery, natural resource damage assessment, and laboratory analysis and evidence collection for enforcement actions.</p> <p>Coordinate Natural Resource Damage Assessment (NRDA) activities.</p> <p>Establish cleanup standards for the incident in accordance with federal and state law. Ensure source control, containment, cleanup, and disposal are accomplished.</p> <p>Conduct public meeting(s) after a type 1 or 2 hazardous materials spill or release in accordance with <a href="#">SB 6164</a> and <a href="#">RCW 36.32.080</a> and <a href="#">RCW 42.30.080</a></p> |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Support Agencies

| ESF Support Agency                                              | ESF Responsibilities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Franklin County Sheriff and Municipal Police Departments</b> | <p>Coordinate with Fire and/or facility/responsible party to implement evacuations.</p> <p>Provide any assistance securing a perimeter.</p> <p>Secure any crime scenes.</p> <p>Provide representative to the Franklin County ECC if/when requested.</p> <p>See ESF #13 in the <a href="#">Franklin County CEMP</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Franklin County and Municipal Public Works/Utilities</b>     | <p>Provide traffic barrier material as requested by law enforcement.</p> <p>Provide heavy equipment and diking material as requested by the incident commander.</p> <p>Support the mapping of water and sewer systems that may contain hazardous materials due to an incident.</p> <p>Provide information concerning sensitive systems that may be impacted by a hazardous materials incident</p> <p>Information sharing with public concerning impacted utilities.</p> <p>Provide support to the ECC if requested</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Regulated Facilities</b>                                     | <p>Facilities storing extremely hazardous substances must identify the location of such substances and designate a Facility Emergency Coordinator to act as the contact for facility and hazardous materials information. <a href="#">40 CFR 355.30. 40 CFR 355.30 (c)</a>, requires the owner or operator of a facility subject to the section to designate a facility representative who will participate in the local emergency planning process as a facility emergency response coordinator. The Facility Emergency Coordinators in Franklin County are identified in Appendix B.</p> <p>Report chemical inventories to the State Emergency Response Commission (SERC), LEPC, and local fire department.</p> <p>Submit Tier II-Emergency and Hazardous Chemical Inventory Report and other information as required, by federal, state, or local law.</p> <p>Prepare hazardous materials emergency plans and provide copies to the Franklin County LEPC, when requested.</p> <p><i>Train and equip personnel to implement plans</i></p> <p>Coordinate Plans with local fire jurisdictions</p> <p>Notify 9-1-1 and other agencies as required or necessary, when a hazardous materials incident occurs.</p> |

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Benton Franklin Health District</b> | <p>Take such measures as the Health Officer deems necessary to promote and protect the public's health.</p> <p>Assess the public health implications of a hazardous materials incident and take appropriate actions.</p> <p>In conjunction with the Washington State Departments of Ecology and Health, assist water and sewer utilities in the investigation and mitigation of impacts from the effects of a hazardous materials incident.</p> <p>Direct the closure of contaminated sites, as necessary.</p> <p>Provide information to the public on the health effects of, and how to avoid contamination from a hazardous materials release as needed.</p> |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Federal Agency Lead

| <b>ESF Federal Lead Agency</b>                       | <b>ESF Responsibilities</b>                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>United States Environmental Protection Agency</b> | <p>Responds with advice and technical resources to protect the environment from all types of hazardous substances and oil to waters of the U.S.</p> <p>In conjunction with WA State DOE, will coordinate containment, removal, and disposal efforts and resources of major incidents.</p> <p>Serves as the Federal OSC under the National Contingency Plan for incidents involving inland areas and inland waterbodies.</p> |
| <b>United States Coast Guard</b>                     | <p>Responds with advice and technical resources to protect the environment from all types of hazardous substances and oil to marine waters of the U.S.</p> <p>In conjunction with WA State DOE, will coordinate containment, removal, and disposal efforts and resources of major incidents.</p> <p>Serves as the Federal OSC under the National Contingency Plan for incidents involving marine waters.</p>                |

**Other Lead Washington State Departments list will be engaged as requested by Lead Agencies to assist in response and recovery efforts to fulfill their role as needed and defined in the Washington State ESF #10 Plan.**

#### Areas Of Coordination

| <b>Function</b>                              | <b>Agency</b>                                            | <b>ESF</b> |
|----------------------------------------------|----------------------------------------------------------|------------|
| Environmental Health (air and water quality) | BFHD/WA State Health Dept. and WA State Dept. of Ecology | 8          |

|                                                                   |                                                                                  |               |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------|
| Traffic Control, assist with evacuations, criminal investigations | Franklin County Sheriff's Office/Municipal Police Departments                    | 13            |
| Emergency Medical Services                                        | Franklin County Fire Districts, Hospital District and Municipal Fire Departments | 8             |
| Transportation                                                    | Ben Franklin Transit, WSDOT, public works                                        | 1             |
| Alert and Warning                                                 | FCEM                                                                             | Basic Plan/15 |
| Sheltering/feeding                                                | American Red Cross                                                               | 6             |
| Public Messaging                                                  | FCEM                                                                             | 15            |

| APPENDIX | DESCRIPTION                                                                       |
|----------|-----------------------------------------------------------------------------------|
| A.       | <a href="#"><u>Promulgation</u></a>                                               |
| B.       | <a href="#"><u>EPCRA Reporting and Regulated Facilities</u></a>                   |
| C.       | <a href="#"><u>Incident Command Agency</u></a>                                    |
| D.       | <a href="#"><u>Public Safety Procedures</u></a>                                   |
| E.       | <a href="#"><u>Evacuation Map Routes</u></a>                                      |
| F.       | <a href="#"><u>Training Requirements and Schedule</u></a>                         |
| G.       | <a href="#"><u>Exercise Types and Schedule</u></a>                                |
| H.       | <a href="#"><u>Emergency Planning and Response/ Minimum Plan Requirements</u></a> |
| I.       | <a href="#"><u>Description of Emergency Equipment and Facilities</u></a>          |
| J.       | <a href="#"><u>Petroleum Crude Oil Response Reference</u></a>                     |

## **Appendix A – Promulgation**

### **Emergency Support Function (ESF) 10 Hazardous Materials Approval and Implementation**

The Franklin County [LEPC](#) assisted in the development and review of the Hazardous Materials Emergency Response Plan (ERP) to identify and implement hazardous materials emergency preparedness and response responsibilities in accordance with [Chapter 118-40 Washington Administrative Code](#) (WAC). The ERP details the purpose, policy, concept of operations, direction/control, actions and responsibilities of primary and support agencies to ensure a mutual understanding and a coordinated plan of action is implemented with appropriate agencies within Franklin County.

The Franklin County [LEPC](#) requests that each office, department and agency to study the ERP and prepare or update, as needed, the supporting plans and operating procedures needed to implement the ERP in the event of a hazardous material event.

Franklin County Emergency Management is responsible for publishing and distributing this ERP and will issue changes as required.

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Sean Davis, Director  
Franklin County Emergency Management

## Appendix B – EPCRA Reporting and Regulated Facilities

### Regulated Facilities in Franklin County, WA

1. Paraquat dichloride is the main reportable EHS in Franklin County.
2. From data reported to Washington State Ecology, the following chemicals have the largest volumes per pound in Franklin County for 2025:

| <u>EHS NAME</u>                       | <u>MAX ON SITE (LBS)</u> | <u>AVE ON SITE (LBS)</u> |
|---------------------------------------|--------------------------|--------------------------|
| PARAQUAT                              | 1,042,769                | 562,339                  |
| SULFURIC ACID                         | 1,920,035                | 888,817                  |
| ANHYDROUS AMMONIA                     | 996,213                  | 686,255                  |
| OXAMYL                                | 351,393                  | 122,099                  |
| VAPAM HI / SODIUM METHYLDITHCARBAMATE | 7,300,000                | 3,600,000                |

### 3. Tier II Facilities List

The name of the Facility Emergency Coordinator, addresses and personal contact information can be secured at the Franklin County Emergency Management office – 1011 E. Ainsworth St., Pasco, WA 99301, (509) 545-3546, or during an emergency by contacting dispatch and requesting them to contact Franklin County Emergency Management.

### EPCRA REPORTING

All facilities within Franklin County receiving, storing and/or using extremely hazardous substances (EHS), reference [40 CFR Part 355](#), must notify the [SERC](#) and LEPC in accordance with Section 302 – Notification of Extremely Hazardous Substances.

Facilities must submit a SDS list of the hazardous chemicals present on-site in excess of threshold levels to the [SERC](#), [LEPC](#) and local fire department/district in accordance with Section 311.

Facilities storing chemicals must provide specific information about chemicals on site to the [SERC](#), [LEPC](#) and local fire department/district using the Tier II Form in accordance with Section 312.

A facility must notify the [SERC](#) (800) 258-5990 and [LEPC](#) (509) 545-3546/(509) 316-2953, per Section 304, of a release at the facility in excess of the reportable quantity for the substance and when the release could result in exposure of persons outside the facility - [State Contact Information: EPCRA Section 304 - Emergency Release Notification | US EPA](#)

A verbal report must be submitted immediately and followed up with a written report within 30 days - [Washington State Emergency Response Commission Emergency Release Follow-up Notification Form \(EPCRA\)](#)

## Tier II Facilities and Contacts 2025 (page 1/2)

| Facility Name                                    | Address                             | City       | ZIP   | Contact Title                              | Phone #    |
|--------------------------------------------------|-------------------------------------|------------|-------|--------------------------------------------|------------|
| **TRI ONLY** Central Premix Concrete Co Pasco    | 11919 Harris Rd                     | Pasco      | 99301 | ENVIRONMENTAL ENGINEER                     | 5095366221 |
| Great Northwest Transport LLC                    | 251 COMMERCIAL AVE                  | PASCO      | 99301 | GM                                         | 5095454400 |
| LDC LOWER MONUMENTAL FACILITY                    | 3900 SR 263                         | KAHLOTUS   | 99335 | SAFETY HEALTH ENVIRONMENTAL RESPONSIBLE    | 5032320127 |
| LDC WINDUST FACILITY                             | 5252 BURR CANYON RD                 | PASCO      | 99301 | SAFETY HEALTH ENVIRONMENTAL RESPONSIBLE    | 5032320127 |
| PS Fertilizer Pasco                              | 2180 Frontier Rd                    | Pasco      | 99301 | VICE PRESIDENT                             | 5095391021 |
| SWIRE 7 UP DR PEPPER TRI CITIES                  | 2106 W FRONTAGE RD                  | PASCO      | 99301 | MANAGER, SALES OPERATIONS                  | 5096884645 |
| Volm Companies Pasco                             | 5702 N Industrial Way STE           | Pasco      | 99301 | EHS COORDINATOR                            | 7156273767 |
| Amazon.com Inc PSC2                              | 1351 S Rd 40 E                      | Pasco      | 99301 | Regional Environmental Manager             | 2536007743 |
| American Rock Products Inc Batch Plant Pasco     | 11919 HARRIS RD                     | PASCO      | 99301 | ENVIRONMENTAL SPECIALIST                   | 5415208874 |
| AMERICOLD LOGISTICS CONNELL                      | 720 W JUNIPER ST                    | CONNELL    | 99326 | ENGINEERING AND MAINTENANCE MANAGER        | 5097885616 |
| AMERICOLD PASCO                                  | 5805 INDUSTRIAL WAY                 | PASCO      | 99301 | ENGINEERING AND MAINTENANCE MANAGER        | 5097885616 |
| Amerigas Ice Harbor Storage                      | 1661 Page Rd                        | Pasco      | 99301 | DISTRICT MANAGER                           | 5098647395 |
| AutoZone Distribution Center 9788                | 3733 Capital Ave                    | Pasco      | 99301 | SAFETY MANAGER                             | 5094126214 |
| Avis Rent A Car System LLC Pasco                 | 3601 N 20th Ave (aka 3502)          | Pasco      | 99301 | City Manager                               | 2064311619 |
| BAKER PRODUCE PASCO HOLDINGS                     | 1505 E FOSTER WELLS RD              | PASCO      | 99301 | OFFICE                                     | 5098656089 |
| BNSF Railway Pasco                               | 3940 N Railroad St                  | Pasco      | 99301 | MGR ENV OPS                                | 2535913702 |
| BNSF Railway Pasco East                          | Pasco East Mile Post 140.2          | Pasco      | 99301 | MGR ENV OPS                                | 2535913072 |
| BOULDER CANYON ORGANICS dba JUDEL MARKETING INTL | 6010 SHEFFIELD RD                   | BASIN CITY | 99343 | Packing Manager                            | 5092694635 |
| BPA Franklin Substation                          | 331 S Commercial Ave                | Pasco      | 99301 | Chief Operator                             | 5415425402 |
| BPA SCOOTENEY SUBSTATION                         | CORNER OF HWY 17 AND H W OF CONNELL |            | 99326 | CHIEF OPERATOR                             | 5415425401 |
| Burnham Renewable Natural Gas RNG PRRC           | 981 E Foster Wells Rd               | Pasco      | 99301 | General Manager                            | 5093886628 |
| CENTRAL MACHINERY SALES INC PASCO 3              | 1802 E JAMES ST                     | PASCO      | 99301 | GEN MANAGER                                | 5097651257 |
| CenturyLink CONNELL                              | 128 W Borah St                      | Connell    | 99326 | EHS MANAGER                                | 2062941541 |
| CenturyLink QC W00231                            | 707 W LEWIS ST                      | PASCO      | 99301 | EHS MANAGER                                | 2062941541 |
| CHRISTENSEN INC PASCO                            | 151 N COMMERCIAL AVE                | PASCO      | 99301 | HSSE Manager-WWA & OR                      | 5092228263 |
| CHRISTENSEN INC RAIL SPUR                        | E DOCK ST AND SE RD 21 46           | PASCO      | 99301 | HSSE Manager                               | 5092228263 |
| CHS Agronomy Pasco 1                             | 1211 E St Helens Ste A              | Pasco      | 99301 | ENVIRONMENTAL COMPLIANCE SPECIALIST        | 6513556894 |
| CHS INC TRANSPORTATION PASCO MAINTENANCE         | 2525 B N RAINIER AVE                | PASCO      | 99301 | ENVIRONMENTAL COMPLIANCE SPECIALIST        | 6513556894 |
| CHS SUN BASIN GROWERS FRISCHNECHT SEED           | 1951 PARADISE RD                    | CONNELL    | 99326 | ENVIRONMENTAL COMPLIANCE SPECIALIST        | 6513556894 |
| CHS SUN BASIN GROWERS GLADE CORN PLANT           | 1670 SELPH LANDING RD               | PASCO      | 99301 | ENVIRONMENTAL COMPLIANCE SPECIALIST        | 6513556894 |
| CITY OF PASCO GREY ST                            | 1015 S GREY ST                      | PASCO      | 99301 | ENVIRONMENTAL COMPLIANCE MANAGER           | 5095453454 |
| CITY OF PASCO RD 68 ELEVATED RESERVOIR           | 5427 N RD 76                        | PASCO      | 99301 | ENVIRONMENTAL COMPLIANCE MANAGER           | 5095453454 |
| CITY OF PASCO W PASCO WTP                        | 11315 W COURT ST                    | PASCO      | 99301 | ENVIRONMENTAL COMPLIANCE MANAGER           | 5095453454 |
| CITY OF PASCO WTP BUTTERFIELD                    | 1307 W B ST                         | PASCO      | 99301 | ENVIRONMENTAL COMPLIANCE MANAGER           | 5095453454 |
| Coleman Oil Pasco 4th Ave Cardlock               | 2502 N 4th Ave                      | Pasco      | 99301 | Tier II Contact                            | 9072653837 |
| Coleman Oil Pasco Port Cardlock                  | 919 E Ainsworth St                  | Pasco      | 99301 | Tier II Contact                            | 9072653837 |
| Coleman Oil Vineyard Cardlock                    | 221 W Vineyard Dr                   | Pasco      | 99301 | Tier II Contact                            | 9072653837 |
| Connell Cattle Feeders                           | 593 WAREHOUSE LN                    | CONNELL    | 99326 | PRESIDENT AB LIVESTOCK                     | 2083382500 |
| Connell Oil INC Basin City                       | 6398 RD 170                         | Basin City | 99343 | PRES                                       | 5095473326 |
| CONNELL OIL INC BULK PLANT                       | 627 N COLUMBIA AVE                  | CONNELL    | 99326 | PRES                                       | 5095473326 |
| Connell Oil Inc CFN Card Lock Basin City         | 6521 Rd 170                         | Basin City | 99343 | PO BOX 3998                                | 5095473326 |
| CONNELL OIL INC COLUMBIA AVE                     | 900 S COLUMBIA AVE                  | CONNELL    | 99326 | PRES                                       | 5095473326 |
| CONNELL OIL INC COMMERCIAL                       | 1802 N COMMERCIAL AVE               | PASCO      | 99301 | PRES                                       | 5095473326 |
| CONNELL OIL INC OREGON AVE                       | 1015 OREGON AVE                     | PASCO      | 99301 | PRES                                       | 5095473326 |
| CONNELL OIL INC PACIFIC PRIDE CARD LOCK ELTOPIA  | 5100 ELTOPIA WEST RD                | ELTOPIA    | 99330 | PRES                                       | 5095473326 |
| CONNELL OIL INC SWALLOW AVE                      | 3802 SWALLOW AVE                    | PASCO      | 99301 | PRES                                       | 5095473326 |
| Corteva Agriscience                              | 1040 Settler Rd                     | Connell    | 99326 | LOCATION MANAGER                           | 5092349046 |
| Crown Castle Pasco                               | 2620 N Commercial Ave               | Pasco      | 99301 | Sr. Regulatory Specialist                  | 4807342421 |
| CUMMINS INC PASCO                                | 1708 E JAMES ST                     | PASCO      | 99301 | HSE LEADER                                 | 5094266314 |
| Darigold Inc Pasco                               | 8201 N Railroad Ave                 | Pasco      | 99301 | Senior Environmental Manager               | 5099873855 |
| DH Feeders                                       | 8230 Blanton RD                     | Pasco      | 99301 | PRESIDENT AB LIVESTOCK                     | 2083382500 |
| DOUGLAS FRUIT CO INC                             | 110 TAYLOR FLATS RD                 | PASCO      | 99301 | REFRIGERATION MANAGER                      | 5095472727 |
| EcoLube Recovery Pasco                           | 1810 E James St Ste A               | Pasco      | 99301 | CEO                                        | 5038931933 |
| Ergon Asphalt and Emulsions Pasco                | 3152 Selph Landing Rd               | Pasco      | 99301 | PLANT MANAGER                              | 5095459864 |
| FAA PSC ASR PASCO AIRPORT SURVEILLANCE RADAR     | PRIVATE DIRT RD OFF N GL            | PASCO      | 99301 | CBSSC MGR                                  | 5099407232 |
| FAA PSC ATCT PASCO AIR TRAFFIC CONTROL TOWER     | 3601 N 20TH AVE TRI CITIES          | PASCO      | 99301 | CB SSC MGR                                 | 5099437449 |
| Federal Express Corp PSCA                        | 1705 W Argent                       | Pasco      | 99301 | Senior Environmental Specialist            | 9013054881 |
| Freeze Pack LLC Pasco                            | 302 Venture Rd                      | Pasco      | 99301 | PLANT MANAGER                              | 5092228681 |
| GOURMET TRADING CO                               | 707 N 1ST AVE                       | PASCO      | 99301 | SAFETY                                     | 5093803203 |
| Granite Pasco                                    | 7131 N Railroad Ave                 | Pasco      | 99302 | Environmental Manager                      | 4255651867 |
| Grimmway Enterprises Inc Pasco                   | 1315 Dietrich Rd                    | Pasco      | 99301 | EHS MANAGER                                | 6618648065 |
| HARMS PACIFIC TRANSPORT                          | 3220 N GLADE RD                     | PASCO      | 99301 | OWNER                                      | 5095470018 |
| HELENA AGRI-ENTERPRISES LLC PASCO                | 1010 E KARTCHNER                    | PASCO      | 99301 | INVENTORY CLERK                            | 5095440436 |
| HORIZON AIR PASCO                                | 3601B N 20TH ST                     | PASCO      | 99301 | ENVIRONMENTAL AFFAIRS MANAGER              | 2067556954 |
| INLAND EMPIRE DISTRIBUTION SYSTEMS INC PASCO     | 1211 E ST HELENS MAILBOX            | PASCO      | 99301 | DIRECTOR, QUALITY ASSURANCE AND COMPLIANCE | 5099220944 |
| JIFFY LUBE STORE 2623                            | 1816 W COURT ST                     | PASCO      | 99301 | SR. COMPLIANCE SPC                         | 9728127910 |
| Juniper Ag LLC                                   | 2191 E Sagemoor Rd                  | Pasco      | 99301 | Owner                                      | 5097276949 |

## Tier II Facilities and Contacts 2025 (page 2/2)

| Facility Name                                     | Address                  | City     | ZIP   | Contact Title                                       | Phone #    |
|---------------------------------------------------|--------------------------|----------|-------|-----------------------------------------------------|------------|
| KENYON ZERO STORAGE INC PASCO                     | 5701 INDUSTRIAL WAY      | PASCO    | 99301 | REGIONAL COMPLIANCE MANAGER                         | 5092012937 |
| KENYON ZERO STORAGE INC PASCO 2                   | 5812 BURLINGTON LOOP     | PASCO    | 99301 | REGIONAL COMPLIANCE MANAGER                         | 5092012937 |
| LAFARGE NORTH AMERICA PASCO                       | 60 BURLINGTON ST         | PASCO    | 99301 | TERMINAL MGR                                        | 5095478808 |
| Lamb Weston Columbia Basin Blends                 | 3330 Travel Plaza Way    | Pasco    | 99301 | ENVIRONMENT, HEALTH AND SAFETY MANAGER              | 5099052109 |
| Lamb Weston Pasco                                 | 960 Glade Rd N           | Pasco    | 99301 | ENVIRONMENTAL MANAGER                               | 5093755850 |
| Linde Gas & Equipment Inc Pasco                   | 1830 E Crane St          | Pasco    | 99301 | AREA MANAGER                                        | 4243396832 |
| Lourdes Medical Center Pasco                      | 520 N 4th Ave            | Pasco    | 99301 | Director Plant Operations                           | 5095462360 |
| LOVES TRAVEL STOP 811                             | 2252 E KARTCHNER ST      | PASCO    | 99301 | ENVIRONMENTAL MANAGER                               | 4053026673 |
| Lowes of Pasco WA Store 2344                      | 4520 Rd 68               | Pasco    | 99301 | Environmental Compliance Manager                    | 7049931564 |
| MANULIFE INVESTMENT MANAGEMENT FMS FRANKLIN DAYTC | 501 DAYTON RD            | PASCO    | 99301 | ENVIRONMENTAL HEALTH & SAFETY SPECIALIST            | 2094857577 |
| MANULIFE INVESTMENT MANAGEMENT FMS FRANKLIN OASIS | 3471 TAYLOR FLATS RD     | PASCO    | 99301 | ENVIRONMENTAL HEALTH & SAFETY SPECIALIST            | 2094857577 |
| MID COLUMBIA WAREHOUSES INC                       | 1810 E AINSWORTH         | PASCO    | 99301 | VICE-PRESIDENT                                      | 5095477761 |
| NORCO INC PASCO                                   | 420 N OREGON AVE         | PASCO    | 99301 | VP OF RISK MANAGEMENT & GAS OPERATIONS              | 2083361643 |
| Northwest Pipeline Mesa Compressor Station        | 360 Overturf RD          | Mesa     | 99343 | ENVIRONMENTAL SPECIALIST                            | 2083404597 |
| Nutrien Ag Solutions 150 Connell                  | 108 N Columbia Ave       | Connell  | 99326 | Manager                                             | 5093180877 |
| Nutrien Ag Solutions 156 Pasco Glade              | 3486 N Glade Rd          | Pasco    | 99301 | Manager                                             | 5095479771 |
| Nutrien Ag Solutions Pasco St Helens              | 1315 E St Helens St      | Pasco    | 99301 | Operations Manager                                  | 5095451865 |
| Nutrien Ag Solutions Pasco Tippet                 | 310 Tippet Lane          | Pasco    | 99301 | Operations Manager                                  | 5095456305 |
| Oakdell Egg Farms LLC Pasco                       | 7401 N Glade Rd          | Pasco    | 99301 | FARM COMPLIANCE MANAGER                             | 9164733457 |
| OXARC INC DIETRICH                                | 1530 Dietrich Rd         | Pasco    | 99301 | EHS MANAGER                                         | 5095357794 |
| OXARC Inc Pasco                                   | 716 S Oregon Ave         | Pasco    | 99301 | EHS MANAGER                                         | 5095357794 |
| PACIFIC STEEL PASCO                               | 925 N OREGON AVE         | PASCO    | 99301 | ENVIRONMENTAL MANAGER                               | 4068685062 |
| PACIFICORP PASCO SUBSTATION                       | S 6TH AND WASHINGTON S   | PASCO    | 99301 | T&D Assoc Environmental Analyst                     | 5033470632 |
| PAPE MATERIAL HANDLING INC PASCO                  | 1224 N CALIFORNIA AVE    | PASCO    | 99301 | ENVIRONMENTAL MANAGER                               | 5033142383 |
| PASCO PROCESSING INDUSTRIAL WAY                   | 5815 INDUSTRIAL WAY      | PASCO    | 99301 | PLANT MGR                                           | 5095446700 |
| Perimeter Solutions                               | 251 N COMMERCIAL AVE     | PASCO    | 99302 | EHS MANAGER                                         | 9095813483 |
| Perimeter Solutions LP                            | 2321 E AINSWORTH ST WAF  | PASCO    | 99301 | EHS MANAGER                                         | 9095813483 |
| RESERS FINE FOODS                                 | 5310 INDUSTRIAL WAY      | PASCO    | 99301 | SAFETY SPECIALIST                                   | 5095422548 |
| S COLUMBIA BASIN IRRIGATION DISTRICT ELTOPIA YARD | 921 ELTOPIA W RD         | ELTOPIA  | 99330 | HR MANAGER                                          | 5095471735 |
| S COLUMBIA BASIN IRRIGATION DISTRICT LANGFORD     | 1971 NEWPORT DR          | MESA     | 99343 | HR MANAGER                                          | 5095471735 |
| S COLUMBIA BASIN IRRIGATION DISTRICT MESA YARD    | 101 PEPIOT RD            | MESA     | 99343 | HR MANAGER                                          | 5095471735 |
| S COLUMBIA BASIN IRRIGATION DISTRICT WAHLUKE YARD | 141 SECOND FOOT RD       | OTHELLO  | 99344 | HR MANAGER                                          | 5095471735 |
| SAFETY KLEEN PASCO II 118302                      | 1202 SE RD 18 E          | PASCO    | 99301 | ENVIRONMENTAL COMPLIANCE - PROCESS SPECIALIST       | 7816535022 |
| Simplot Frozen Vegetables LLC                     | 1825 N Commercial Ave    | Pasco    | 99301 | ENVIRONMENTAL MANAGER                               | 5097501532 |
| SIMPLOT GROWER SOLUTIONS MESA                     | 100 S 1ST                | MESA     | 99343 | UNIT SUPERVISOR                                     | 5095219466 |
| TESORO LOGISTICS GPLLC                            | 2900 SACAJAWEA PARK RD   | PASCO    | 99301 | SARA Coordinator                                    | 4703309564 |
| The McGregor Co Connell 63750                     | 701 N Columbia           | Connell  | 99326 | Service Manager                                     | 5096591951 |
| The McGregor Co Eltopia 56710                     | 5251 Eltopia West Rd     | Eltopia  | 99330 | CAS                                                 | 5092974296 |
| The McGregor Co Pasco 56890                       | 1792 Moulton Rd          | Pasco    | 99301 | Service Manager                                     | 5096591951 |
| TIDEWATER TERMINAL CO SNAKE RIVER                 | 671 TANK FARM RD         | PASCO    | 99301 | ENVIRONMENTAL MANAGER                               | 3607590305 |
| TIMKEN MOTOR N CRANE SVS LLC WAZEE                | 4224 E B ST              | PASCO    | 99301 | EHS ANALYST                                         | 5622028036 |
| TruGreen Chemlawn Pasco                           | 1220 S 10th Ave          | Pasco    | 99301 | GENERAL MANAGER                                     | 5093157238 |
| Twin City Foods Inc Pasco                         | 5405 Industrial Way N    | Pasco    | 99301 | PLANT MANAGER                                       | 5095460850 |
| Two Rivers Terminal LLC Kahlotus Rd               | 552 Pasco Kahlotus Rd    | Pasco    | 99301 | SAFETY MANAGER                                      | 5095477776 |
| Two Rivers Terminal LLC Pasco 1                   | 3300 N Glade Rd          | Pasco    | 99301 | SAFETY MANAGER                                      | 7028824851 |
| Two Rivers Terminal LLC Pasco 2                   | 1910 Selph Landing Rd    | Pasco    | 99301 | SAFETY MANAGER                                      | 5095477776 |
| Two Rivers Terminal LLC Port of Pasco             | 2241 E Ainsworth Ave     | Pasco    | 99301 | SAFETY MANAGER                                      | 7028824851 |
| UNITED RENTALS NORTH AMERICA INC PASCO            | 1901 FRONTIER LOOP       | PASCO    | 99301 | REGULATORY POINT OF CONTACT                         | 3032864394 |
| US ACOE LOWER MONUMENTAL DAM                      | 5520 DEVILS CANYON RD ST | KAHLOTUS | 99335 | ENVIRONMENTAL COMPLIANCE COORDINATOR                | 5092827207 |
| US Autoforce Pasco                                | 2525 N Commercial Ave    | Pasco    | 99301 | DIRECTOR OF ENVIRONMENTAL QUALITY                   | 9207358228 |
| US DOC NOAA NWFSC Pasco Research Station          | 3305 E Commerce St       | Pasco    | 98301 | ENVIRONMENTAL, SAFETY & OCCUPATIONAL HEALTH MANAGER | 2065862745 |
| VALLEY AGRONOMICS LLC BASIN CITY                  | 22481 N GLADE RD         | MESA     | 99343 | SR. OPERATIONS MANAGER                              | 5039307975 |
| Verdesian Life Science Inc                        | 821 S Chestnut           | Pasco    | 99301 | CHEMICAL COMPLIANCE MANAGER                         | 6309304923 |
| WA DOC COYOTE RIDGE CORRECTIONS CTR               | 1301 N EPHRATA           | CONNELL  | 99326 | ENV SPECIALIST                                      | 5095443520 |
| WESTERN STATES EQUIPMENT CO PASCO                 | 2100 FRONTIER LOOP RD    | PASCO    | 99301 | SAFETY ADMINISTRATION MANAGER                       | 2088882287 |
| Western States Equipment co. - Power Systems      | 2121 N Commercial Ave    | Pasco    | 99301 | Safety Administration Manager                       | 2088595630 |
| WILBUR ELLIS CO PASCO                             | 150 BURLINGTON AVE       | PASCO    | 99301 | CHEMICAL COMPLIANCE SPECIALIST - EHSS               | 3163034710 |
| WILBUR ELLIS PASCO DISTRIBUTION CENTER            | 6221 INDUSTRIAL PL       | PASCO    | 99301 | CHEMICAL COMPLIANCE SPECIALIST - EHSS               | 3163034710 |
| Winfield United Pasco                             | 1212 E BAKER ST          | PASCO    | 99301 | EHS COORDINATOR                                     | 6122466350 |
| WS DOT Connell                                    | SR 260 MP 6.9 Northside  | Connell  | 99326 | SUPERVISOR                                          | 5095452202 |
| WS DOT Pasco                                      | 1816 N 4th Ave           | Pasco    | 99301 | SUPERVISOR AREA 3                                   | 5095452202 |
| XPO LOGISTICS SUPPLY CHAIN INC PASCO              | 2121 Garland St          | Pasco    | 99301 | Director - EH&S                                     | 7342105854 |
| Zen-Noh Hay Inc                                   | 2444 E Dock St           | Pasco    | 99301 | Safety/Compliance Manager                           | 5098208963 |

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| <b>Facility Name</b>                             | <b>Address</b>         | <b>City</b> | <b>Max<br/>Pound</b> | <b>Avg.<br/>Pound</b> | <b>Days<br/>Onsite</b> | <b>Product Name</b>                                  | <b>EHS Name</b>        |
|--------------------------------------------------|------------------------|-------------|----------------------|-----------------------|------------------------|------------------------------------------------------|------------------------|
| HELENA AGRI- ENTERPRISES LLC PASCO               | 1010 E KARTCHNER       | PASCO       | 3330                 | 1000                  | 365                    | Weevil Cide Pellets and Tablets                      | Aluminum Phosphide     |
| WILBUR ELLIS CO PASCO                            | 150 BURLINGTON AVE     | PASCO       | 535                  | 225                   | 345                    | ALUMINUM PHOSPHIDE                                   | ALUMINUM PHOSPHIDE     |
| Zen-Noh Hay Inc                                  | 2444 E Dock St         | Pasco       | 200                  | 180                   | 365                    | FUMITOXIN PELLETS                                    | ALUMINUM PHOSPHIDE     |
| BOULDER CANYON ORGANICS dba JUDEL MARKETING INTL | 6010 SHEFFIELD RD      | BASIN CITY  | 1000                 | 1000                  | 365                    | ANHYDROUS AMMONIA                                    | AMMONIA                |
| HELENA AGRI- ENTERPRISES LLC PASCO               | 1010 E KARTCHNER       | PASCO       | 158910               | 5000                  | 50                     | Anhydrous Ammonia 82-0-0                             | Ammonia                |
| KENYON ZERO STORAGE INC PASCO                    | 5701 INDUSTRIAL WAY    | PASCO       | 21817                | 21804                 | 365                    | AMMONIA ANHYDROUS                                    | AMMONIA                |
| KENYON ZERO STORAGE INC PASCO 2                  | 5812 BURLINGTON LOOP   | PASCO       | 9213                 | 9193                  | 365                    | AMMONIA ANHYDROUS                                    | AMMONIA                |
| Nutrien Ag Solutions 156 Pasco Glade             | 3486 N Glade Rd        | Pasco       | 93805                | 61590                 | 365                    | AQUA AMMONIA (19)                                    | Ammonia                |
| Nutrien Ag Solutions Pasco Tippet                | 310 Tippet Lane        | Pasco       | 70862                | 14779                 | 365                    | AQUA AMMONIA (19)                                    | Ammonia                |
| Freeze Pack LLC Pasco                            | 302 Venture Rd         | Pasco       | 19000                | 11830                 | 365                    | AMMONIA ANHYDROUS                                    | AMMONIA ANHYDROUS      |
| Two Rivers Terminal LLC Pasco 1                  | 3300 N Glade Rd        | Pasco       | 90191                | 55260                 | 365                    | AQUA AMMONIA (24 percent)                            | Ammonium Hydroxide     |
| BAKER PRODUCE PASCO HOLDINGS                     | 1505 E FOSTER WELLS RD | PASCO       | 9860                 | 9860                  | 365                    | AMONIA ANHYDROUS                                     | AMONIA ANHYDROUS       |
| AMERICOLD LOGISTICS CONNELL                      | 720 W JUNIPER ST       | CONNELL     | 10768                | 10768                 | 365                    | ANHYDROUS AMMONIA                                    | ANHYDROUS AMMONIA      |
| AMERICOLD PASCO                                  | 5805 INDUSTRIAL WAY    | PASCO       | 9187                 | 9187                  | 365                    | ANHYDROUS AMMONIA                                    | ANHYDROUS AMMONIA      |
| DOUGLAS FRUIT CO INC                             | 110 TAYLOR FLATS RD    | PASCO       | 24240                | 24240                 | 365                    | AMMONIA ANYHDROUS                                    | Anhydrous Ammonia      |
| DOUGLAS FRUIT CO INC                             | 110 TAYLOR FLATS RD    | PASCO       | 14966                | 14966                 | 365                    | ANHYDROUS AMMONIA                                    | Anhydrous Ammonia      |
| DOUGLAS FRUIT CO INC                             | 110 TAYLOR FLATS RD    | PASCO       | 21974                | 21974                 | 365                    | ANHYDROUS AMMONIA                                    | Anhydrous Ammonia      |
| Grimmway Enterprises Inc Pasco                   | 1315 Dietrich Rd       | Pasco       | 7038                 | 7038                  | 365                    | ANHYDROUS AMMONIA                                    | ANHYDROUS AMMONIA      |
| Grimmway Enterprises Inc Pasco                   | 1315 Dietrich Rd       | Pasco       | 7645                 | 7645                  | 365                    | ANHYDROUS AMMONIA                                    | ANHYDROUS AMMONIA      |
| Lamb Weston Pasco                                | 960 Glade Rd N         | Pasco       | 81196                | 81196                 | 365                    | ANHYDROUS AMMONIA                                    | ANHYDROUS AMMONIA      |
| OXARC Inc Pasco                                  | 716 S Oregon Ave       | Pasco       | 8000                 | 7500                  | 365                    | ANHYDROUS AMMONIA                                    | ANHYDROUS AMMONIA      |
| PASCO PROCESSING INDUSTRIAL WAY                  | 5815 INDUSTRIAL WAY    | PASCO       | 90000                | 75190                 | 365                    | ANHYDROUS AMMONIA                                    | ANHYDROUS AMMONIA      |
| RESERS FINE FOODS                                | 5310 INDUSTRIAL WAY    | PASCO       | 85842                | 85842                 | 365                    | ANHYDROUS AMMONIA                                    | ANHYDROUS AMMONIA      |
| Simplot Frozen Vegetables LLC                    | 1825 N Commercial Ave  | Pasco       | 55166                | 55166                 | 365                    | ANHYDROUS AMMONIA                                    | ANHYDROUS AMMONIA      |
| SIMPLOT GROWER SOLUTIONS MESA                    | 100 S 1ST              | MESA        | 11533                | 1227                  | 283                    | CHE-ZINC9                                            | ANHYDROUS AMMONIA      |
| The McGregor Co Connell 63750                    | 701 N Columbia         | Connell     | 1000                 | 1000                  | 365                    | ANHYDROUS AMMONIA                                    | Anhydrous Ammonia      |
| The McGregor Co Pasco 56890                      | 1792 Moulton Rd        | Pasco       | 1000                 | 1000                  | 365                    | ANHYDROUS AMMONIA                                    | Anhydrous Ammonia      |
| Twin Qty Foods Inc Pasco                         | 5405 Industrial Way N  | Pasco       | 92000                | 92000                 | 365                    | ANHYDROUS AMMONIA                                    | ANHYDROUS AMMONIA      |
| Verdesian Life Science Inc                       | 821 S Chestnut         | Pasco       | 56598                | 56598                 | 365                    | AQUA AMMONIA (20-35 percent)                         | Aqua Ammonia           |
| PAPE MATERIAL HANDLING INC PASCO                 | 1224 N CALIFORNIA AVE  | PASCO       | 12000                | 8839                  | 365                    | LEAD-ACID BATTERIES - SULFURIC ACID                  | BATTERY ACID           |
| HELENA AGRI- ENTERPRISES LLC PASCO               | 1010 E KARTCHNER       | PASCO       | 880                  | 150                   | 365                    | Bell Contrac Blox - Bell Contrac Pellets Place Packs | Bromadiolone           |
| HELENA AGRI- ENTERPRISES LLC PASCO               | 1010 E KARTCHNER       | PASCO       | 30                   | 30                    | 365                    | Captan 50 WP                                         | Captan                 |
| OXARC Inc Pasco                                  | 716 S Oregon Ave       | Pasco       | 78000                | 22062                 | 365                    | CHLORINE                                             | CHLORINE               |
| CHS Agronomy Pasco 1                             | 1211 E St Helens Ste A | Pasco       | 5194                 | 2198                  | 291                    | LANNATE LV INSECTICIDE                               | Cyclohexanone          |
| HELENA AGRI- ENTERPRISES LLC PASCO               | 1010 E KARTCHNER       | PASCO       | 55                   | 5                     | 5                      | Nuvan Prostrips                                      | Dichlorovinyl Dimethyl |
| HELENA AGRI- ENTERPRISES LLC PASCO               | 1010 E KARTCHNER       | PASCO       | 5                    | 5                     | 365                    | Insect Shield                                        | Dichlorvos             |
| CHS Agronomy Pasco 1                             | 1211 E St Helens Ste A | Pasco       | 6624                 | 4115                  | 167                    | DIMETHOATE 400 EC                                    | DIMETHOATE             |
| CHS Agronomy Pasco 1                             | 1211 E St Helens Ste A | Pasco       | 13432                | 4638                  | 221                    | Dimethoate 4EC                                       | Dimethoate             |
| HELENA AGRI- ENTERPRISES LLC PASCO               | 1010 E KARTCHNER       | PASCO       | 14705                | 1500                  | 365                    | Dimethoate                                           | Dimethoate             |
| Nutrien Ag Solutions Pasco St Helens             | 1315 E St Helens St    | Pasco       | 46                   | 46                    | 180                    | DIMETHOATE 400 EC                                    | Dimethoate             |
| SIMPLOT GROWER SOLUTIONS MESA                    | 100 S 1ST              | MESA        | 3026                 | 1462                  | 365                    | DIMETHOATE 400 EC [2.5G]                             | Dimethoate             |
| The McGregor Co Eltopia 56710                    | 5251 Eltopia West Rd   | Eltopia     | 2456                 | 662                   | 365                    | DIMATE 4E                                            | Dimethoate             |
| VALLEY AGRONOMICS LLC BASIN QTY                  | 22481 N GLADE RD       | MESA        | 2210                 | 1079                  | 365                    | DIMATE 4E 2.5GAL                                     | DIMETHOATE             |
| WILBUR ELLIS PASCO DISTRIBUTION CENTER           | 6221 INDUSTRIAL PL     | PASCO       | 12159                | 9179                  | 365                    | Dimethoate Liquid                                    | Dimethoate             |
| Winfield United Pasco                            | 1212 E BAKER ST        | PASCO       | 31732                | 9212                  | 365                    | DIMETHOATE                                           | Dimethoate             |
| HELENA AGRI- ENTERPRISES LLC PASCO               | 1010 E KARTCHNER       | PASCO       | 1800                 | 1800                  | 180                    | RAMIK BROWN                                          | Diphacinone            |
| HELENA AGRI- ENTERPRISES LLC PASCO               | 1010 E KARTCHNER       | PASCO       | 924                  | 924                   | 180                    | Ramik Green                                          | Diphacinone            |
| SIMPLOT GROWER SOLUTIONS MESA                    | 100 S 1ST              | MESA        | 3219                 | 2351                  | 196                    | JET AG                                               | Ethaneperoxoic acid    |
| Nutrien Ag Solutions 156 Pasco Glade             | 3486 N Glade Rd        | Pasco       | 20874                | 10669                 | 365                    | MOCAP EC                                             | Ethoprop               |
| Nutrien Ag Solutions Pasco St Helens             | 1315 E St Helens St    | Pasco       | 27832                | 13916                 | 180                    | MOCAP EC                                             | Ethoprop               |
| WILBUR ELLIS PASCO DISTRIBUTION CENTER           | 6221 INDUSTRIAL PL     | PASCO       | 1077                 | 1077                  | 1                      | Ethoprop Liquid                                      | Ethoprop               |
| CHS Agronomy Pasco 1                             | 1211 E St Helens Ste A | Pasco       | 1100                 | 1100                  | 365                    | MOCAP 15G                                            | Ethoprop               |
| CHS Agronomy Pasco 1                             | 1211 E St Helens Ste A | Pasco       | 3264                 | 1844                  | 365                    | MOCAP EC                                             | Ethoprophos            |
| HELENA AGRI- ENTERPRISES LLC PASCO               | 1010 E KARTCHNER       | PASCO       | 600                  | 120                   | 365                    | Mocap 15 LNL                                         | Ethoprophos            |
| HELENA AGRI- ENTERPRISES LLC PASCO               | 1010 E KARTCHNER       | PASCO       | 600                  | 600                   | 365                    | MOCAP EC                                             | Ethoprophos            |
| Winfield United Pasco                            | 1212 E BAKER ST        | PASCO       | 7547                 | 3069                  | 365                    | Ethoprophos                                          | Ethoprophos            |
| Verdesian Life Science Inc                       | 821 S Chestnut         | Pasco       | 3008                 | 3008                  | 365                    | Hydrochloric acid                                    | Hydrochloric acid      |
| Winfield United Pasco                            | 1212 E BAKER ST        | PASCO       | 2969                 | 1777                  | 365                    | >52 percent HYDROGEN DIOXIDE (CONCENTRATION          | HYDROGEN DIOXIDE       |
| GOURMET TRADING CO                               | 707 N 1ST AVE          | PASCO       | 8194                 | 1692                  | 60                     | HYDROGEN PEROXIDE                                    | Hydrogen Peroxide      |
| WILBUR ELLIS PASCO DISTRIBUTION CENTER           | 6221 INDUSTRIAL PL     | PASCO       | 10676                | 4262                  | 320                    | HYDROGEN PEROXIDE                                    | Hydrogen Peroxide      |
| CHS Agronomy Pasco 1                             | 1211 E St Helens Ste A | Pasco       | 276                  | 276                   | 365                    | OXIDATE 2.0                                          | Hydrogen Peroxide      |
| CHS Agronomy Pasco 1                             | 1211 E St Helens Ste A | Pasco       | 1472                 | 799                   | 308                    | OXIDATE 5.0                                          | Hydrogen Peroxide      |
| CHS Agronomy Pasco 1                             | 1211 E St Helens Ste A | Pasco       | 2569                 | 2569                  | 133                    | SANIDATE 12.0                                        | Hydrogen Peroxide      |
| Freeze Pack LLC Pasco                            | 302 Venture Rd         | Pasco       | 37699                | 37699                 | 365                    | LEAD ACID BATTERY                                    | LEAD ACID BATTERY      |

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| <b>Facility Name</b>                   | <b>Address</b>         | <b>City</b> | <b>Max<br/>Pound</b> | <b>Avg.<br/>Pound</b> | <b>Days<br/>Onsite</b> | <b>Product Name</b>              | <b>EHS Name</b>     |
|----------------------------------------|------------------------|-------------|----------------------|-----------------------|------------------------|----------------------------------|---------------------|
| PAPE MATERIAL HANDLING INC PASCO       | 1224 N CALIFORNIA AVE  | PASCO       | 160000               | 106088                | 365                    | LEAD-ACID BATTERIES - LEAD       | LEAD ACID BATTERY   |
| PASCO PROCESSING INDUSTRIAL WAY        | 5815 INDUSTRIAL WAY    | PASCO       | 37699                | 37699                 | 365                    | LEAD ACID BATTERY                | LEAD ACID BATTERY   |
| CHS Agronomy Pasco 1                   | 1211 E St Helens Ste A | Pasco       | 1272                 | 782                   | 365                    | LANNATE SP                       | METHOMYL            |
| HELENA AGRI-ENTERPRISES LLC PASCO      | 1010 E KARTCHNER       | PASCO       | 22212                | 500                   | 365                    | Lannate LV                       | Methomyl            |
| HELENA AGRI-ENTERPRISES LLC PASCO      | 1010 E KARTCHNER       | PASCO       | 156                  | 156                   | 30                     | Lannate SP                       | METHOMYL            |
| Nutrien Ag Solutions 156 Pasco Glade   | 3486 N Glade Rd        | Pasco       | 5794                 | 3374                  | 365                    | LANNATE LV                       | Methomyl            |
| VALLEY AGRONOMICS LLC BASIN CITY       | 22481 N GLADE RD       | MESA        | 1448                 | 90                    | 184                    | LANNATE LV 2.5 GAL               | Methomyl            |
| WILBUR ELLIS CO PASCO                  | 150 BURLINGTON AVE     | PASCO       | 642                  | 222                   | 190                    | Methomyl                         | Methomyl            |
| WILBUR ELLIS PASCO DISTRIBUTION CENTER | 6221 INDUSTRIAL PL     | PASCO       | 556                  | 497                   | 189                    | Methomyl                         | Methomyl            |
| Winfield United Pasco                  | 1212 E BAKER ST        | PASCO       | 4748                 | 3262                  | 365                    | Methomyl                         | Methomyl            |
| CHS Agronomy Pasco 1                   | 1211 E St Helens Ste A | Pasco       | 3936                 | 2416                  | 365                    | DIBROM 8 EMULSIVE                | Naphthalene         |
| Simplot Frozen Vegetables LLC          | 1825 N Commercial Ave  | Pasco       | 507                  | 338                   | 365                    | Nitric Acid < 65 percent         | NITRICACID          |
| Two Rivers Terminal LLC Pasco 1        | 3300 N Glade Rd        | Pasco       | 186480               | 139522                | 365                    | NITRICACID, 38 Baume             | NITRICACID          |
| Verdesian Life Science Inc             | 821 S Chestnut         | Pasco       | 2407                 | 2407                  | 365                    | NITRICACID 65 percent-70 percent | NITRICACID          |
| CHS Agronomy Pasco 1                   | 1211 E St Helens Ste A | Pasco       | 51210                | 14321                 | 365                    | VYDATE C-LV                      | Oxamyl              |
| CHS Agronomy Pasco 1                   | 1211 E St Helens Ste A | Pasco       | 2952                 | 1049                  | 226                    | Vydate L                         | Oxamyl              |
| HELENA AGRI-ENTERPRISES LLC PASCO      | 1010 E KARTCHNER       | PASCO       | 58280                | 3500                  | 365                    | Vydate C-LV                      | Oxamyl              |
| HELENA AGRI-ENTERPRISES LLC PASCO      | 1010 E KARTCHNER       | PASCO       | 11472                | 1500                  | 365                    | Vydate L                         | Oxamyl              |
| Nutrien Ag Solutions 150 Connell       | 108 N Columbia Ave     | Connell     | 2272                 | 2272                  | 365                    | VYDATE CLV                       | Oxamyl              |
| Nutrien Ag Solutions 156 Pasco Glade   | 3486 N Glade Rd        | Pasco       | 31088                | 12235                 | 365                    | VYDATE CLV                       | Oxamyl              |
| Nutrien Ag Solutions 156 Pasco Glade   | 3486 N Glade Rd        | Pasco       | 11512                | 8761                  | 365                    | VYDATE L                         | Oxamyl              |
| Nutrien Ag Solutions Pasco St Helens   | 1315 E St Helens St    | Pasco       | 6068                 | 4126                  | 180                    | VYDATE L                         | Oxamyl              |
| SIMPLOT GROWER SOLUTIONS MESA          | 100 S 1ST              | MESA        | 48270                | 29629                 | 254                    | VYDATE CLV                       | OXAMYL              |
| SIMPLOT GROWER SOLUTIONS MESA          | 100 S 1ST              | MESA        | 982                  | 644                   | 169                    | VYDATE L                         | OXAMYL              |
| SIMPLOT GROWER SOLUTIONS MESA          | 100 S 1ST              | MESA        | 15275                | 3912                  | 363                    | VYPERA C-LV                      | Oxamyl              |
| SIMPLOT GROWER SOLUTIONS MESA          | 100 S 1ST              | MESA        | 1375                 | 255                   | 189                    | VYPERA L                         | OXAMYL              |
| The McGregor Co Eltopia 56710          | 5251 Eltopia West Rd   | Eltopia     | 15362                | 6218                  | 365                    | VYDATE CLV                       | Oxamyl              |
| The McGregor Co Eltopia 56710          | 5251 Eltopia West Rd   | Eltopia     | 2306                 | 688                   | 365                    | VYDATE L                         | Oxamyl              |
| Two Rivers Terminal LLC Pasco 1        | 3300 N Glade Rd        | Pasco       | 24336                | 8726                  | 270                    | VYDATE C-LV 2.5                  | Oxamyl              |
| Two Rivers Terminal LLC Pasco 1        | 3300 N Glade Rd        | Pasco       | 10400                | 8350                  | 52                     | VYDATE C-LV 250s                 | Oxamyl              |
| VALLEY AGRONOMICS LLC BASIN CITY       | 22481 N GLADE RD       | MESA        | 16480                | 4975                  | 224                    | VYDATE C-LV                      | Oxamyl              |
| WILBUR ELLIS CO PASCO                  | 150 BURLINGTON AVE     | PASCO       | 3668                 | 1521                  | 365                    | Oxamyl Liquid                    | Oxamyl              |
| WILBUR ELLIS PASCO DISTRIBUTION CENTER | 6221 INDUSTRIAL PL     | PASCO       | 4367                 | 1636                  | 220                    | OXAMYL LIQUID                    | Oxamyl              |
| Winfield United Pasco                  | 1212 E BAKER ST        | PASCO       | 22152                | 6833                  | 365                    | Oxamyl                           | Oxamyl              |
| Two Rivers Terminal LLC Pasco 1        | 3300 N Glade Rd        | Pasco       | 11566                | 948                   | 361                    | VYDATE L 2.5                     | oxamyl (ISO)        |
| HELENA AGRI-ENTERPRISES LLC PASCO      | 1010 E KARTCHNER       | PASCO       | 15242                | 2000                  | 250                    | Gramoxone SL 3.0                 | Paraquat            |
| HELENA AGRI-ENTERPRISES LLC PASCO      | 1010 E KARTCHNER       | PASCO       | 17808                | 1500                  | 250                    | Helmuquat 3SL                    | Paraquat            |
| CHS Agronomy Pasco 1                   | 1211 E St Helens Ste A | Pasco       | 132602               | 84326                 | 365                    | GRAMOXONE SL 3.0                 | Paraquat dichloride |
| CHS Agronomy Pasco 1                   | 1211 E St Helens Ste A | Pasco       | 251758               | 134665                | 365                    | HELMQUAT 3SL                     | Paraquat Dichloride |
| CHS Agronomy Pasco 1                   | 1211 E St Helens Ste A | Pasco       | 200480               | 122906                | 134                    | PARAQUAT 43.2 SL                 | PARAQUAT DICHLORIDE |
| HELENA AGRI-ENTERPRISES LLC PASCO      | 1010 E KARTCHNER       | PASCO       | 16992                | 2500                  | 365                    | Solera Paraquat                  | Paraquat Dichloride |
| Nutrien Ag Solutions 150 Connell       | 108 N Columbia Ave     | Connell     | 154591               | 65778                 | 270                    | HELMQUAT 3SL                     | Paraquat Dichloride |
| Nutrien Ag Solutions 156 Pasco Glade   | 3486 N Glade Rd        | Pasco       | 29                   | 29                    | 30                     | GRAMOXONE SL 3.0                 | Paraquat Dichloride |
| Nutrien Ag Solutions 156 Pasco Glade   | 3486 N Glade Rd        | Pasco       | 2541                 | 2541                  | 30                     | HELMQUAT 3SL                     | Paraquat Dichloride |
| Nutrien Ag Solutions 156 Pasco Glade   | 3486 N Glade Rd        | Pasco       | 28                   | 28                    | 365                    | PARAZONE 3SL                     | Paraquat Dichloride |
| Nutrien Ag Solutions Pasco St Helens   | 1315 E St Helens St    | Pasco       | 17262                | 16399                 | 180                    | GRAMOXONE SL 3.0                 | Paraquat Dichloride |
| Nutrien Ag Solutions Pasco St Helens   | 1315 E St Helens St    | Pasco       | 38120                | 33881                 | 180                    | HELMQUAT 3SL                     | Paraquat Dichloride |
| SIMPLOT GROWER SOLUTIONS MESA          | 100 S 1ST              | MESA        | 15264                | 3782                  | 233                    | DEVOUR                           | Paraquat dichloride |
| SIMPLOT GROWER SOLUTIONS MESA          | 100 S 1ST              | MESA        | 3720                 | 866                   | 365                    | GRAMOXONE SL 3.0 [2.5G]          | Paraquat Dichloride |
| The McGregor Co Eltopia 56710          | 5251 Eltopia West Rd   | Eltopia     | 288                  | 153                   | 365                    | GRAMOXONE SL 3.0                 | Paraquat Dichloride |
| The McGregor Co Eltopia 56710          | 5251 Eltopia West Rd   | Eltopia     | 8308                 | 1074                  | 365                    | PARAQUAT 3SL                     | Paraquat Dichloride |
| Two Rivers Terminal LLC Pasco 1        | 3300 N Glade Rd        | Pasco       | 12168                | 3850                  | 365                    | GRAMOXONE SL 3.0 2.5             | Paraquat Dichloride |
| Two Rivers Terminal LLC Pasco 1        | 3300 N Glade Rd        | Pasco       | 2496                 | 1721                  | 227                    | SOLERA PARAQUAT 120              | Paraquat Dichloride |
| Two Rivers Terminal LLC Pasco 1        | 3300 N Glade Rd        | Pasco       | 24804                | 3112                  | 317                    | SOLERA PARAQUAT 250              | Paraquat Dichloride |
| VALLEY AGRONOMICS LLC BASIN CITY       | 22481 N GLADE RD       | MESA        | 3432                 | 1494                  | 292                    | GRAMOXONE SL 3.0                 | PARAQUAT DICHLORIDE |
| VALLEY AGRONOMICS LLC BASIN CITY       | 22481 N GLADE RD       | MESA        | 17808                | 8788                  | 11                     | PARAQUAT CONCENTRATE             | PARAQUAT DICHLORIDE |
| WILBUR ELLIS CO PASCO                  | 150 BURLINGTON AVE     | PASCO       | 2354                 | 183                   | 365                    | Paraquat dichloride              | Paraquat dichloride |
| WILBUR ELLIS PASCO DISTRIBUTION CENTER | 6221 INDUSTRIAL PL     | PASCO       | 17970                | 3656                  | 213                    | Paraquat dichloride              | Paraquat dichloride |
| Winfield United Pasco                  | 1212 E BAKER ST        | PASCO       | 86704                | 31107                 | 365                    | Paraquat dichloride              | Paraquat dichloride |
| GOURMET TRADING CO                     | 707 N 1ST AVE          | PASCO       | 8194                 | 1692                  | 60                     | Peracetic acid                   | Peracetic acid      |
| HELENA AGRI-ENTERPRISES LLC PASCO      | 1010 E KARTCHNER       | PASCO       | 5315                 | 5315                  | 90                     | SANIDATE 12.0                    | PERACETICACID       |
| HELENA AGRI-ENTERPRISES LLC PASCO      | 1010 E KARTCHNER       | PASCO       | 200                  | 200                   | 180                    | SaniDate 5.0                     | Peracetic Acid      |
| Simplot Frozen Vegetables LLC          | 1825 N Commercial Ave  | Pasco       | 747                  | 386                   | 365                    | Peroxyacetic acid                | Peracetic acid      |
| SIMPLOT GROWER SOLUTIONS MESA          | 100 S 1ST              | MESA        | 4091                 | 1651                  | 56                     | SANIDATE 12.0                    | PERACETICACID       |

**EHS – Facilities reported 2025** (page 3/3)

| <b>Facility Name</b>                         | <b>Address</b>                              | <b>City</b> | <b>Max<br/>Pound</b> | <b>Avg.<br/>Pound</b> | <b>Days<br/>Onsite</b> | <b>Product Name</b>                    | <b>EHS Name</b>                     |
|----------------------------------------------|---------------------------------------------|-------------|----------------------|-----------------------|------------------------|----------------------------------------|-------------------------------------|
| Twin City Foods Inc Pasco                    | 5405 Industrial Way N                       | Pasco       | 6350                 | 2115                  | 365                    | TSUNAMI 100                            | PERACETIC ACID                      |
| WILBUR ELLIS PASCO DISTRIBUTION CENTER       | 6221 INDUSTRIAL PL                          | PASCO       | 1977                 | 803                   | 322                    | Peroxyacetic acid                      | Peracetic acid                      |
| Nutrien Ag Solutions Pasco St Helens         | 1315 E St Helens St                         | Pasco       | 2522                 | 2522                  | 180                    | JET-AG                                 | Peroxyacetic Acid                   |
| SIMPLOT GROWER SOLUTIONS MESA                | 100 S 1ST                                   | MESA        | 1727                 | 1727                  | 119                    | JET OXIDE 15 [330G]                    | Peroxyacetic Acid                   |
| Lamb Weston Columbia Basin Blends            | 3330 Travel Plaza Way                       | Pasco       | 50                   | 50                    | 248                    | Phosphine                              | Rice/corn rail car pellets/gas      |
| Lamb Weston Columbia Basin Blends            | 3330 Travel Plaza Way                       | Pasco       | 488                  | 488                   | 365                    | BATTERY ACID                           | Lifts, Boom Lift, Pallet Jacks      |
| OXARC Inc Pasco                              | 716 S Oregon Ave                            | Pasco       | 68000                | 25000                 | 365                    | SULFUR DIOXIDE (Anhydrous)             | SULFUR DIOXIDE                      |
| Amazon.com Inc PSC2                          | 1351 S Rd 40 E                              | Pasco       | 13200                | 13200                 | 112                    | LEAD-ACID BATTERY                      | Sulfuric Acid                       |
| American Rock Products Inc Batch Plant Pasco | 11919 HARRIS RD                             | PASCO       | 2700                 | 2700                  | 365                    | LEAD ACID BATTERY - SULFURIC ACID      | SULFURIC ACID                       |
| AMERICOLD LOGISTICS CONNELL                  | 720 W JUNIPER ST                            | CONNELL     | 7429                 | 7429                  | 365                    | SULFURIC ACID                          | SULFURIC ACID                       |
| AMERICOLD PASCO                              | 5805 INDUSTRIAL WAY                         | PASCO       | 13367                | 12631                 | 365                    | LEAD-ACID BATTERIES - SULFURIC ACID    | SULFURIC ACID                       |
| AutoZone Distribution Center 9788            | 3733 Capital Ave                            | Pasco       | 23634                | 23634                 | 365                    | BATTERY ELECTROLYTE                    | SULFURIC ACID                       |
| BNSF Railway Pasco                           | 3940 N Railroad St                          | Pasco       | 1268                 | 1268                  | 365                    | Sulfuric acid                          | Sulfuric acid                       |
| CenturyLink CONNELL                          | 128 W Borah St                              | Connell     | 698                  | 698                   | 365                    | Sulfuric acid                          | Sulfuric acid                       |
| CenturyLink QCW00231                         | 707 W LEWIS ST                              | PASCO       | 4205                 | 4205                  | 365                    | LEAD ACID BATTERY                      | SULFURIC ACID                       |
| Crown Castle Pasco                           | 2620 N Commercial Ave                       | Pasco       | 1284                 | 1284                  | 365                    | Sulfuric acid                          | Sulfuric acid                       |
| CUMMINS INC PASCO                            | 1708 E JAMES ST                             | PASCO       | 4375                 | 3500                  | 365                    | LEAD ACID BATTERY                      | SULFURIC ACID                       |
| Darigold Inc Pasco                           | 8201 N Railroad Ave                         | Pasco       | 78642                | 31892                 | 306                    | SULFURIC ACID 70-100 percent           | SULFURIC ACID                       |
| DOUGLAS FRUIT CO INC                         | 110 TAYLOR FLATS RD                         | PASCO       | 8436                 | 8436                  | 365                    | SULFURIC ACID                          | Sulfuric Acid                       |
| Freeze Pack LLC Pasco                        | 302 Venture Rd                              | Pasco       | 1714                 | 1714                  | 365                    | SULFURIC ACID                          | SULFURIC ACID                       |
| HORIZON AIR PASCO                            | 3601B N 20TH ST                             | PASCO       | 1228                 | 1228                  | 365                    | LEAD ACID BATTERY                      | SULFURIC ACID                       |
| KENYON ZERO STORAGE INC PASCO                | 5701 INDUSTRIAL WAY                         | PASCO       | 21684                | 21684                 | 365                    | BATTERY ELECTROLYTE                    | sulfuric acid                       |
| KENYON ZERO STORAGE INC PASCO 2              | 5812 BURLINGTON LOOP                        | PASCO       | 1162                 | 1162                  | 365                    | BATTERY ELECTROLYTE                    | SULFURIC ACID                       |
| Lamb Weston Pasco                            | 960 Glade Rd N                              | Pasco       | 126000               | 126000                | 365                    | LEAD ACID BATTERIES                    | Sulfuric Acid                       |
| Lamb Weston Pasco                            | 960 Glade Rd N                              | Pasco       | 18255                | 15082                 | 365                    | SULFURIC ACID                          | SULFURIC ACID                       |
| Lowes of Pasco WA Store 2344                 | 4520 Rd 68                                  | Pasco       | 9560                 | 9560                  | 365                    | lead acid batteries                    | sulfuric acid                       |
| Nutrien Ag Solutions 156 Pasco Glade         | 3486 N Glade Rd                             | Pasco       | 396572               | 144168                | 365                    | PHOSPHORIC ACID                        | Sulfuric Acid                       |
| Nutrien Ag Solutions 156 Pasco Glade         | 3486 N Glade Rd                             | Pasco       | 637025               | 210264                | 365                    | SULFURIC ACID                          | Sulfuric Acid                       |
| Nutrien Ag Solutions Pasco Tippet            | 310 Tippet Lane                             | Pasco       | 79394                | 79394                 | 365                    | PHOSPHORIC ACID 0-52-0                 | Sulfuric Acid                       |
| PASCO PROCESSING INDUSTRIAL WAY              | 5815 INDUSTRIAL WAY                         | PASCO       | 6283                 | 6283                  | 365                    | SULFURIC ACID                          | SULFURIC ACID                       |
| Simplot Frozen Vegetables LLC                | 1825 N Commercial Ave                       | Pasco       | 79                   | 79                    | 365                    | BATTERY ACID                           | SULFURIC ACID                       |
| Simplot Frozen Vegetables LLC                | 1825 N Commercial Ave                       | Pasco       | 811                  | 490                   | 365                    | SULFURIC ACID                          | SULFURIC ACID                       |
| SIMPLOT GROWER SOLUTIONS MESA                | 100 S 1ST                                   | MESA        | 187440               | 49760                 | 27                     | Sulfuric acid                          | Sulfuric acid                       |
| Twin City Foods Inc Pasco                    | 5405 Industrial Way N                       | Pasco       | 3560                 | 3113                  | 365                    | SULFURIC ACID (BATTERY COMPONENT)      | SULFURIC ACID                       |
| Two Rivers Terminal LLC Pasco 1              | 3300 N Glade Rd                             | Pasco       | 175100               | 47289                 | 365                    | SULFURIC ACID 93 percent Bulk          | SULFURIC ACID                       |
| UNITED RENTALS NORTH AMERICA INC PASCO       | 1901 FRONTIER LOOP                          | PASCO       | 2937                 | 1762                  | 365                    | LEAD ACID BATTERIES                    | Sulfuric Acid                       |
| US ACOE LOWER MONUMENTAL DAM                 | 5520 DEVILS CANYON RD SNAKE RIVER MILE 41.5 | KAHLOTUS    | 2316                 | 2316                  | 365                    | BATTERY ACID                           | Sulfuric Acid                       |
| US Autoforce Pasco                           | 2525 N Commercial Ave                       | Pasco       | 3552                 | 3552                  | 365                    | Sealed Wet Cell Lead Acid Batteries    | Sulfuric Acid                       |
| US DOC NOAA NWFSC Pasco Research Station     | 3305 E Commerce St                          | Pasco       | 1200                 | 898                   | 365                    | LEAD-ACID BATTERIES                    | Sulfuric Acid                       |
| WESTERN STATES EQUIPMENT CO PASCO            | 2100 FRONTIER LOOP RD                       | PASCO       | 28000                | 16000                 | 365                    | LEAD ACID BATTERY                      | SULFURIC ACID                       |
| Western States Equipment co. - Power Systems | 2121 N Commercial Ave                       | Pasco       | 55200                | 34500                 | 180                    | LEAD ACID BATTERY WET FILLED WITH ACID | SULFURIC ACID                       |
| WILBUR ELLIS PASCO DISTRIBUTION CENTER       | 6221 INDUSTRIAL PL                          | PASCO       | 666                  | 583                   | 365                    | Sulfuric acid Liquid                   | Sulfuric acid                       |
| XPO LOGISTICS SUPPLY CHAIN INC PASCO         | 2121 Garland St                             | Pasco       | 555                  | 555                   | 365                    | SULFURIC ACID                          | Sulfuric Acid                       |
| Northwest Pipeline Mesa Compressor Station   | 360 Overturf RD                             | Mesa        | 504                  | 504                   | 365                    | SULFURIC ACID (LEAD ACID BATTERIES)    | Sulfuric Acid (Lead Acid Batteries) |
| CHS Agronomy Pasco 1                         | 1211 E St Helens Ste A                      | Pasco       | 5450                 | 1642                  | 365                    | COUNTER 20G LOCKN LOAD                 | Terbufos                            |
| Winfield United Pasco                        | 1212 E BAKER ST                             | PASCO       | 1200                 | 376                   | 365                    | TERBUFOS                               | Terbufos                            |
| HELENA AGRI-ENTERPRISES LLC PASCO            | 1010 E KARTCHNER                            | PASCO       | 14844                | 1000                  | 365                    | PROZAP ZP PELLETS                      | Zinc Phosphide                      |

## **Appendix C – Incident Command Agency**

| JURISDICTION                             | INCIDENT COMMAND AGENCY | DESIGNATION DATE |
|------------------------------------------|-------------------------|------------------|
| Franklin County FPD#1 / City of Mesa     | Washington State Patrol | 03/02/2010       |
| Franklin County FPD#2 / City of Kahlotus | Washington State Patrol | 03/02/2010       |
| Franklin County FPD#3                    | Franklin County FPD#3   | 12/19/2000       |
| Franklin County FPD#4                    | Washington State Patrol | 03/02/2010       |
| Franklin County FPD#5                    | Washington State Patrol | 03/02/2010       |
| City of Connell                          | Washington State Patrol | 03/02/2010       |
| City of Pasco                            | Pasco Fire Department   | 12/19/2000       |
| Port of Pasco                            | Pasco Fire Department   | 02/01/1988       |
| Unincorporated Area                      | Washington State Patrol | 03/02/2010       |

## Appendix D - Public Safety Procedures

### **Shelter-in-Place**

The term, shelter-in-place, means to seek immediate shelter and remain there during an emergency rather than evacuate the area. Evacuation is the preferred public safety option. Therefore, shelter-in-place should only be used when an evacuation is not safe. The decision to shelter-in-place will be made by the affected jurisdiction fire department and/or law enforcement, in consultation with a hazardous materials technician or specialist, when possible. Once the decision to shelter-in-place is made, instructions will be relayed to the affected population to shelter-in-place. This notification will be made using any means of communication available, i.e., EAS; CodeRED, route alerting by available emergency vehicles.

In the event of a critical incident where hazardous (including chemical, biological or radiological) materials may have been released into the atmosphere either accidentally or intentionally, a decision to shelter-in-place may be the preferred method of safely waiting out the release. Consider providing the following instructions to citizens during a shelter-in-place situation:

- Turn-off heating, cooling and ventilation system to prevent drawing in outside air.
- Get disaster supply kit, pets and their food and water.
- Move to a small, interior room above ground level and close doors and windows, rooms having little or no ventilation are preferred. Seal air vents, cracks around doors and windows with blankets, sheets, towels, plastic sheeting, duct tape or other materials.
- Do not use the fireplace or wood stove, extinguish all burning materials and close dampers.
- Notify those around you and encourage others to remain in your room/ office rather than to try to leave the building.
- Do not use the telephone unless you have an emergency.
- Listen to your local radio or television stations for further instructions.
- Stay in your rooms/ offices/ classrooms and only come out when you are told that it is safe.

It is important following a shelter-in-place event, that the public takes reverse actions. When outside toxic levels fall below those inside structures, directives should be given to begin ventilating buildings by restarting heating, cooling and ventilation systems and opening windows and doors. This is a critical component of the shelter-in-place concept but one where public compliance may become an issue.

### **Evacuation**

The public is more likely to respond positively to an evacuation directive when they are well informed of the threat and appropriate action to take. It is very important the IC get the shelter-in-place or evacuation order out to the public as expeditiously as possible to minimize the

potential of a wholesale self-evacuation. Uninformed, self-evacuees could frustrate response operations and compromise the traffic control plan.

The IC is responsible for determining the need to evacuate, executing the evacuation order, and communicating evacuation procedures to the public. Evacuation alert levels are as follows:

- **LEVEL 1: BE ALERT.** Be aware. Danger exists in your area. Monitor local media for information. People with access or functional needs, such as health or mobility concerns, or those with animals, should begin making arrangements to evacuate.
- **LEVEL 2: BE READY.** There is significant danger to your area. People should voluntarily relocate to a place outside the affected area. If choosing to remain, be prepared to leave at a moment's notice. Monitor local media for more information. **THIS MAY BE THE ONLY EVACUATION NOTICE YOU RECEIVE!**
- **LEVEL 3: LEAVE IMMEDIATELY** Danger to your area is current or imminent. Leave immediately. Listen to local media and emergency personnel for further instructions regarding the evacuation.

At a minimum, an evacuation directive should include:

- Location of the hazard.
- Description of the hazard.
- Description and boundaries of the evacuation zone.
- Name and address of shelters/reception centers.
- Primary evacuation routes to be used.
- Information on how special groups, i.e., schools, nursing homes, the functionally challenged, within the evacuation zone will be evacuated/assisted.
- Information on available public transportation system and pick-up points.
- Details on what to bring and not bring to the shelter/reception center.
- Information on security within the evacuation zone.
- Estimated time the zone/area will need to be evacuated.
- Information on how evacuees will receive instructions on when to return to the evacuation zone.

Evacuees should also receive instructions to, time permitting:

- Gather and pack only what is most needed, with particular attention given to medications, materials for infant care, essential documents, etc.
- Turn off heating, ventilation and cooling systems and appliances, except the refrigerator.
- Leave gas, water, and electricity on unless damage is suspected, there is a leak, or advised to do so by authorities.
- Lock the house or building prior to leaving.
- Do not use the telephone unless it is an emergency.
- Car-pool or take only one car and drive safely. Keep all vehicle windows and vents closed, turn on local radio station for evacuation routes and up-to-date information.
- Follow directions given by officials along the evacuation route(s) and be prepared to provide the right-of-way to emergency response vehicles.

- Do not call your school or go to pick-up children. The children will be moved if an evacuation is necessary at their location. The parents of evacuated children will be notified where to pick-up children.

Evacuation plans are specific to the individual facility and possibly to the specific chemical. They will include special provisions and instructions for facilities in the impacted area, especially those with captive or high-risk populations, i.e., schools, hospitals, nursing homes, prisons, etc. Provisions will be made to evacuate the elderly and physically challenged who require assistance to comply with evacuation directive. Precautionary evacuation of certain, high-risk members of the affected population may be recommended even when no other segments of the population are evacuated. This could include infants, pregnant women, persons with respiratory illnesses and the elderly.

Once an evacuation is complete, no access to the evacuated area will be allowed without the express permission of the IC, in coordination with the chief law enforcement officer. Once the area is deemed safe, the orderly return of evacuees to the evacuated area will be authorized through the IC. Return will be coordinated using predetermined procedures through designated checkpoints.

Local and state law enforcement agencies will use common traffic control procedures to keep evacuation routes open. The IC will determine the evacuation routes. The major thoroughfares will be utilized whenever possible to expedite the flow of evacuees.

The Interstate and state routes should be considered as transportation routes for hazardous substances and also as evacuation routes in Franklin County; however, numerous county roads should also be considered based on the location of the hazardous materials incident.

Routes include:

- Interstate 182 / Highway 12
- State Route 395 / 397
- Highway 17
- State Route 170
- State Route 260
- State Route 24

*See Appendix E for a map depicting these routes*

Any combination of the following modes of transportation will be utilized to transport evacuees from the evacuation zone to shelters/reception centers.

- **Walking:** When the evacuation is expected to be of short duration, evacuation zone is limited to a small area and weather conditions are acceptable, able-bodied persons may be asked to walk to a nearby shelter/reception center (school, parking lot, church, field, etc.). If the hazardous material is highly flammable and ignition sources need to be eliminated or surface arterials are in gridlock, walking would be the chosen mode for evacuation until a safe area is reached where follow-on transportation to a shelter/reception center is available.
- **Private vehicle (car, van, pick-up truck, etc.):** When walking is not an option, use of private vehicles is a viable alternative as long as the vehicle is in the area to be evacuated,

fueled, and in operating condition. Use of personal vehicles can be quick and convenient and a community resource for transporting neighbors without access to their own vehicle or persons with physical challenges that do not require EMS level transportation.

- **Public Transit (city/county bus, school bus):** This mode minimizes the stress on surface arterials and provides a means of evacuation for individuals without a vehicle or immediate access to a vehicle when the distance to clear the evacuation zone is too far to walk.
- **EMS vehicles (ambulance or handicap equipped vehicle):** This mode is primarily used to transport the sick, infirmed, or disabled from the evacuation zone to a shelter/reception center or other, more appropriate facility.

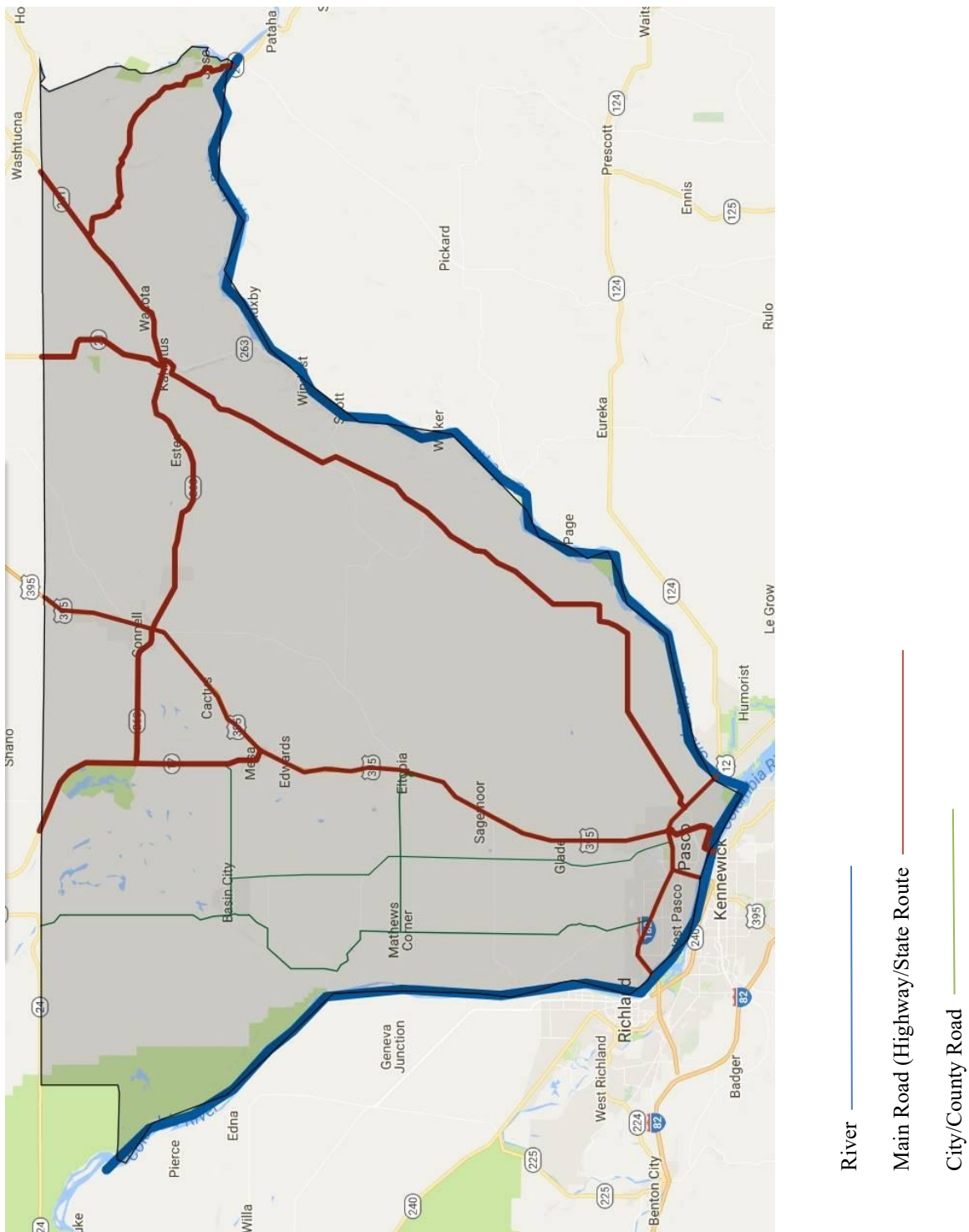
Public school buildings are normally used as evacuation shelters/reception centers when the evacuation is projected to last for an extended period of time; however, any large building outside the evacuation zone with adequate facilities could be utilized as long as the owner agrees to its use. Every effort will be made to ensure each shelter/reception center is accessible to evacuees, including the physically challenged and elderly. This may not be possible in every situation. In these instances, assistance will be provided and/or alternative facilities will be identified. Alternative facilities may be required to accommodate people with access and functional needs, unique populations such as hospital patients or incarcerated individuals.

The American Red Cross (ARC) operates shelters/reception centers in Franklin County jurisdictions. The services provided in these shelters/reception centers will be in accordance with ESF 6 – Mass Care, Housing and Human Services, Comprehensive Emergency Management Plan. The ARC has surveyed facilities throughout Franklin County and have agreements with those entities to use each specific facility.

Law enforcement personnel will be assigned to secure the perimeter of the evacuation zone and, when environmental conditions permit, periodically patrol the interior of the evacuation zone. Law enforcement personnel may also be dispatched to shelter/reception center locations to provide security. The ECC, if requested, will request state assistance when the duration of the evacuation and/or size of the evacuation zone exceeds the capabilities of local law enforcement.

Law enforcement is responsible for verifying the identity of non-uniformed personnel requiring access to the evacuation zone to conduct business (local and state government, utilities, business owners, etc.) and maintaining a log recording when these individuals enter and exit the evacuation zone.

## Appendix E - Evacuation Routes Map



An accident at the Columbia Generating Station involving the release of radioactive material into the surrounding community is very unlikely, but holds serious consequences. The evacuation plan below has been established.

## In An Emergency

If there is an accidental release of radioactive material from the Columbia Generating Station, nearby residents will be warned in a number of ways.

[Click here](#) for more on how residents will be notified.

## What Do I Do?

If you live within the Emergency Planning Zones, you may be asked to take action during an emergency.

[Click here](#) for more information in the calendar.

## Keep Informed

Each year, local emergency officials provide a calendar with emergency instruction in both English and Spanish to all residents living within the Columbia

Generating Station's Emergency Planning Zones. The calendar contains important emergency information about what steps to take to protect yourself and your family if there is an accident at CGS. If you live in one of the CGS EPZ and haven't received the current year's calendar, contact us at 509-545-3546. [Site Neighbors Calendar - click here.](#)

## More Information

To find out more about Columbia Generating Station and nuclear energy, follow these links:

[Energy Northwest](#)  
[Columbia Generating Station](#)

### Radiological Emergency Information for Farmers, Food Processors and Distributors

[Green Book \(English\)](#) [Tri-fold \(English\)](#)  
[Green Book \(Spanish\)](#) [Tri-fold \(Spanish\)](#)

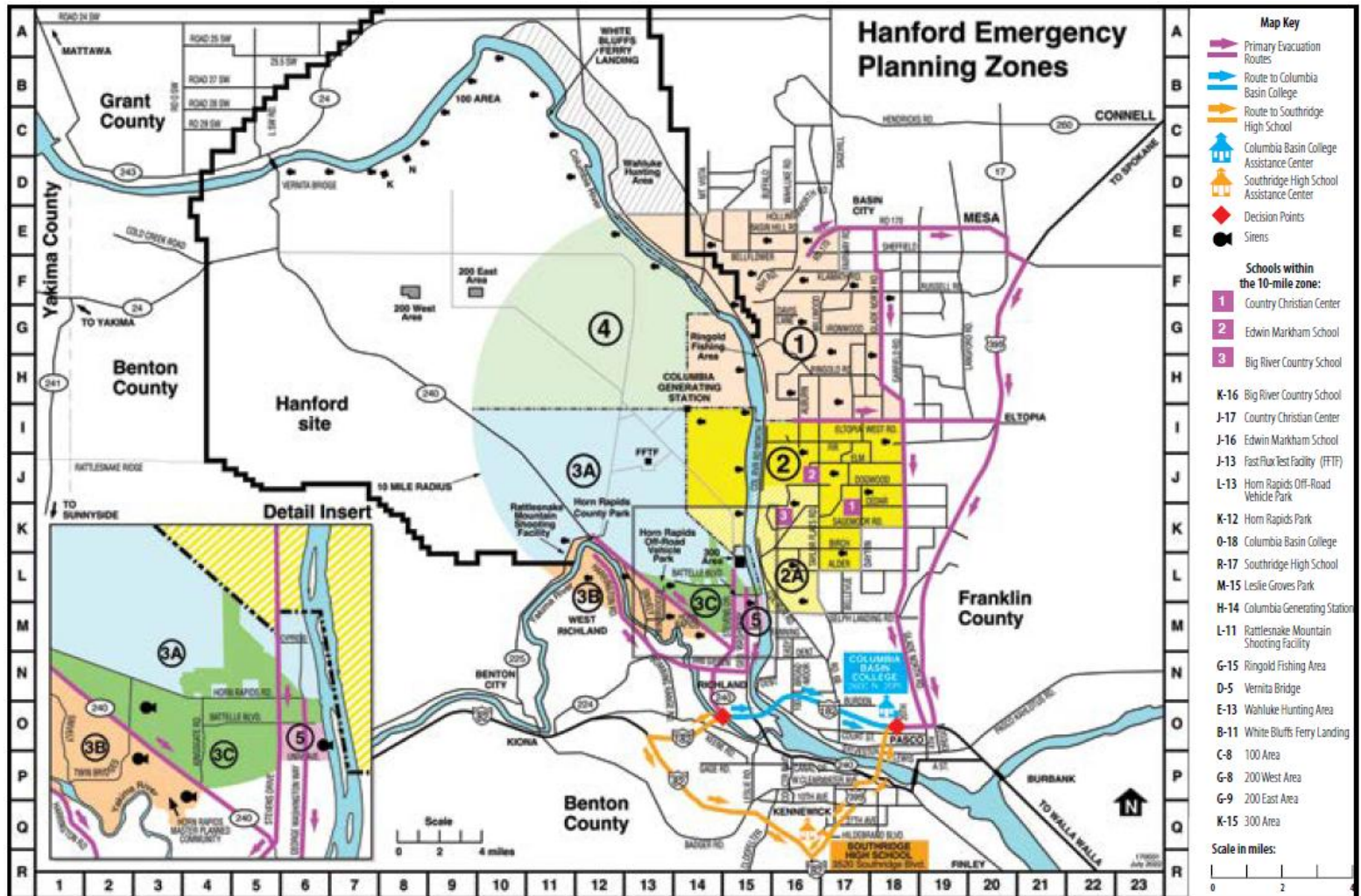
### The following Emergency Planning Zones are in Franklin County:

**Section 1**, is described as follows: (1) The area north of Eltopia West Road, west of Glade North Road, south of West Klamath Road, and east of the Columbia River; (2) north of West Klamath Road, west of Fairway Road, south of Basin Hill Road, and east of the Columbia River; (3) north of Basin Hill Road, west of Wahluke Road, south of Hollingsworth Road, and east of the Columbia River.

**Section 2 & 2A**, is described as follows: (1) The area north of West Sagemoor Road, west of Glade North Road, south of Eltopia West Road, and east of the Columbia River; (2) north of Alder Road, west of Dayton Road, south of West Sagemoor Road, and east of the Columbia River; (3) north of Selph Landing Road, west of Taylor Flats Road, south of Alder Road, and east of the Columbia River.

**Sections 3B&C** are in Benton County

**Section 4** is on the Hanford Site and under jurisdiction of the Department of Energy. There are no permanent residents in this area. Hanford workers would be notified if any protective actions were necessary.



## Appendix F - Training Schedule

The Franklin County jurisdictions' fire districts, law enforcement and public works departments maintain their own individual training records for due diligence purposes. All National Incident Management System reporting is passed to the county through the NIMS Casting report system.

Responders in Franklin County will adhere to [WAC 296-824-30005](#) to ensure their responders are trained appropriately and are delegated appropriate roles equivalent to their certified level of training as depicted in the tables on the next pages:

The minimum level of responder training in accordance with [WAC 296-824-30005](#) is listed below. Retraining is also required on an annual basis but only if employees demonstrate competencies annually at certified trainings where records of demonstrated methodology are kept.

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Awareness Level | <p>Awareness level responders are those personnel who, in the course of their normal duties, could encounter an emergency involving hazardous materials/ weapons of mass destruction (WMD) and be expected to recognize the presence of the hazardous materials/WMD, protect themselves, call for assistance and secure the scene.</p> <p>Awareness Level First Responders competencies:</p> <ul style="list-style-type: none"><li>• Understand what hazardous substances are and their associated risks.</li><li>• Recognize the presence of hazardous substances in an emergency.</li><li>• Can identify the hazardous substances, when possible.</li><li>• Understand the potential consequences of hazardous substances in an emergency.</li><li>• Understand the role of a first responder at the awareness level as described in:<ul style="list-style-type: none"><li>○ The employer's emergency response plan, including site security and control.</li><li>○ The United States Department of Transportation's ERG.</li></ul></li><li>• Can use the ERG.</li><li>• Recognize the need for additional resources and the need to notify the incident's communication center accordingly.</li></ul> |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operations Level | <p>Operations level responders are personnel who respond to hazardous materials/WMD incidents for the purpose of implementing or supporting actions to protect people, property, and the environment from the effects of a release. They are trained to respond in a defensive fashion, which may include attempts to confine, contain or otherwise control the release without coming into contact with the material/product.</p> <p>First responders at the operations level must receive at least eight hours of training and demonstrate awareness level competencies as well as the competency to:</p> <ul style="list-style-type: none"><li>• Know basic hazard and risk assessment techniques.</li><li>• Select and use PPE appropriate for first responder operations level.</li><li>• Understand basic hazardous materials terms.</li><li>• Perform basic control, containment and/or confinement operations within the capabilities of the resources and PPE available.</li><li>• Implement decontamination procedures to their level training.</li><li>• Understand relevant standard operating and termination procedures.</li></ul>                                                                                                                                                           |
| Technician Level | <p>Technician level responders are personnel who respond to a hazardous materials/WMD incident using a risk-based response process to analyze the situation involving hazardous materials/WMD, select applicable decontamination procedures and control the release using specialized protective clothing and control equipment.</p> <p>First responders at the technician level must receive at least 24 hours of training and demonstrate operations level competencies as well as the competency to:</p> <ul style="list-style-type: none"><li>• Implement an employer's emergency response plan.</li><li>• Function within their assigned role in the incident command system.</li><li>• Understand hazard and risk assessment techniques.</li><li>• Understand basic chemical and toxicological terminology and behavior.</li><li>• Use field survey instruments and equipment to classify, identify, and verify materials at the incident.</li><li>• Select and use PPE appropriate for hazardous materials technicians.</li><li>• Perform advance control, containment, and/or confinement operations within the capabilities of the resources and PPE available.</li><li>• Implement decontamination procedures to their level of training.</li><li>• Understand termination procedures.</li></ul> |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specialist Level   | <p>Specialist level responders are personnel who respond with and provide support to hazardous materials technicians. Their duties parallel those of hazardous materials technicians but require a more specific knowledge of the various substances they may be called upon to contain. Hazardous materials specialists also act as site liaisons with federal, state, tribal and local government authorities with regard to site activities.</p> <p>First responders at the specialist level must receive at least 24 hours of training and demonstrate technician level competencies as well as the competency to:</p> <ul style="list-style-type: none"> <li>• Implement the local emergency response plan.</li> <li>• Know the state emergency response plan.</li> <li>• Develop a site safety and control plan.</li> <li>• Understand chemical, radiological, and toxicological terminology and behavior.</li> <li>• Understand in-depth hazard and risk techniques.</li> <li>• Use advanced survey instruments and equipment to classify, identify and verify materials at the incident.</li> <li>• Select and use proper specialized chemical PPE given to hazardous materials specialists</li> <li>• Perform specialized control, containment and/or confinement operations within the capabilities of the resources and PPE available.</li> <li>• Determine decontamination procedures.</li> </ul> |
| Incident Commander | <p>IC is the person responsible for all incident activities, including development of strategies and tactics and ordering and release of resources.</p> <p>IC, who assume control of a hazardous materials incident from the responders first on the scene, must receive at least 24 hours of training and demonstrate operations level competencies as well as the competency to:</p> <ul style="list-style-type: none"> <li>• Know the state emergency response plan and the Federal Regional Response Team.</li> <li>• Implement the local emergency response plan.</li> <li>• Implement the employer's emergency response plan.</li> <li>• Have knowledge of the ICS and understand how they relate to it.</li> <li>• Implement the employer's ICS.</li> <li>• Understand the hazards and risks associated with employees working in chemical protective clothing.</li> <li>• Understand the importance of decontamination procedures.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

*WSP provided training is available statewide with 90% of their HAZMAT training at the requesting agency's locations*

| HAZARDOUS MATERIALS COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Check link for Dates                                                                                                            | LOCATIONS                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• <a href="#">Chemistry for Emergency Response</a></li> <li>• <a href="#">Hazmat IQ/ Above the Line/Below the Line</a></li> <li>• <a href="#">Hazardous Materials Awareness</a></li> <li>• <a href="#">Hazardous Materials On-Scene Incident Command</a></li> <li>• <a href="#">Hazardous Materials Operations</a></li> <li>• <a href="#">Hazardous Materials Technician</a></li> <li>• <a href="#">Hazardous Materials Training</a></li> <li>• <a href="#">Hazmat Safety Officer</a></li> </ul> | <a href="http://www.wsp.wa.gov/fire/fire-training-academy/">http://www.wsp.wa.gov/fire/fire-training-academy/</a>               | Fire Training Academy<br>50810 SE Grouse Ridge Rd<br>North Bend, WA                                            |
| <b>HAZMAT On-Scene Incident Command</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="http://www.wsp.wa.gov/other-training">http://www.wsp.wa.gov/other-training</a><br><i>(dates vary/ check schedule )</i> | <i>Deputy State Fire Marshal</i><br><a href="mailto:Hazmat@wsp.wa.gov">Hazmat@wsp.wa.gov</a><br>(360) 596-3930 |
| <b>HAZMAT Safety Officer</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="http://www.wsp.wa.gov/other-training">http://www.wsp.wa.gov/other-training</a><br><i>(dates vary/ check schedule )</i> |                                                                                                                |

|                                        |                                                                                                            |                                                                                                                                                                                                                           |
|----------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Awareness/Operations (48-hours)</b> | AWR338- Hazardous Materials Awareness Distance Learning<br>AWR358- Hazardous Materials Awareness Refresher | Online Learning <b>AWR</b> courses at<br><a href="https://cdp.dhs.gov/online_course">https://cdp.dhs.gov/online_course</a><br><br><a href="http://www.wsp.wa.gov/other-training">http://www.wsp.wa.gov/other-training</a> |
| <b>ICS 300 and 400</b>                 | <i>(dates and online availability will vary. Check training link)</i>                                      | <a href="#">WA State Training Calendar</a>                                                                                                                                                                                |

**Table 1**  
**Minimum Training Durations for All Responders**

| <b>If you are a:</b>                    | <b>Then:</b>                                                                  |
|-----------------------------------------|-------------------------------------------------------------------------------|
| First responder at the awareness level  | Training duration needs to be sufficient to provide the required competencies |
| First responder at the operations level | You need a minimum of 8 hours training                                        |
| Hazardous materials technician          | You need a minimum of 24 hours training                                       |
| Hazardous materials specialist          | You need a minimum of 24 hours training                                       |
| Incident commander                      | You need a minimum of 24 hours training                                       |

**Table 2**  
**Competencies for First Responders at the Awareness Level and Operations Level**

| Employees must be able to show they:                                 | When they are designated as First Responders at the: |                  |
|----------------------------------------------------------------------|------------------------------------------------------|------------------|
|                                                                      | Awareness Level                                      | Operations Level |
| Understand what hazardous substances are and their associated risks. | X                                                    | X                |
| Recognize the presence of hazardous substances in an emergency.      | X                                                    | X                |

## Appendix G - Hazmat Exercise Types and Schedule

The Homeland Security Exercise and Evaluation Program (HSEEP) is a capabilities and performance based exercise program which provides a standardized policy, methodology, and terminology for exercise design, development, conduct, evaluation, and improvement planning.

**Exercise Types: Discussions-based Exercises familiarize participants with current plans, policies, agreements, and procedures, or may be used to develop new plans, policies, agreements, and procedures. Types of Discussion-based Exercises include:**

- **Seminar.** A seminar is an informal discussion, designed to orient participants to new or updated plans, policies, or procedures (e.g., a seminar to review a new Evacuation Standard Operating Procedure).
- **Tabletop Exercise (TTX).** A tabletop exercise involves key personnel discussing simulated scenarios in an informal setting. TTXs can be used to assess plans, policies, and procedures.

**Operations-based Exercises validate plans, policies, agreements, and procedures, clarify roles and responsibilities, and identify resource gaps in an operational environment. Types of Operations-based Exercises include:**

- **Drill.** A drill is a coordinated, supervised activity usually employed to test a single, specific operation or function within a single entity (e.g., a fire department conducts a decontamination drill).
- **Functional Exercise (FE).** A functional exercise examines and/or validates the coordination, command, and control between various multi-agency coordination centers (e.g., emergency coordination center, etc.). A functional exercise does not involve any "boots on the ground" (i.e., first responders or emergency officials responding to an incident in real time).
- **Full-Scale Exercise (FSE).** A full-scale exercise is a multi-agency, multi-jurisdictional, multidiscipline exercise involving functional (e.g., emergency operation centers, etc.) and "boots on the ground" response (e.g., firefighters decontaminating mock victims).

**Exercise Schedule:**

| <u>Date</u>    | <u>Exercise Title</u>                                                           | <u>Type</u> | <u>Open To</u>           |
|----------------|---------------------------------------------------------------------------------|-------------|--------------------------|
| Feb. 11, 2025  | Columbia Generating Station Nuclear Plant<br>FEMA Off-Year - Plume              | FSE         | Local, State,<br>Federal |
| April 17, 2025 | Columbia Generating Station Nuclear Plant<br>FEMA Evaluated - Plume & Ingestion | FSE         | Local, State,<br>Federal |
| Sept TBD, 2025 | Tri-Cities Airport                                                              | TTX         | Local, State,<br>Federal |

## Appendix H - Emergency Planning and Response References

Regulatory (APPENDIX A: 40 CFR PART 68)

Subpart E — Emergency Response

### Section 68.90 Applicability

(a) Except as provided in paragraph (b) of this section, the owner or operator of a stationary source with Program 2 and Program 3 processes shall comply with the requirements of § 68.95.

(b) The owner or operator of stationary source whose employees will not respond to accidental releases of regulated substances need not comply with § 68.95 of this part provided they meet the following:

(1) For stationary sources with any regulated toxic substance held in a process above the threshold quantity, the stationary source is included in the community emergency response plan developed under 42 U.S.C. 11003;

(2) For stationary sources with only regulated flammable substances held in a process above the threshold quantity, the owner or operator has coordinated response actions with the local fire department; and

(3) Appropriate mechanisms are in place to notify emergency responders when there is a need for a response.

### Section 68.95 Emergency Response Program

(a) The owner or operator shall develop and implement an emergency response program for the purpose of protecting public health and the environment. Such program shall include the following elements:

(1) An emergency response plan, which shall be maintained at the stationary source and contain at least the following elements:

(i) Procedures for informing the public and local emergency response agencies about accidental releases;

(ii) Documentation of proper first aid and emergency medical treatment necessary to treat accidental human exposures; and

(iii) Procedures and measures for emergency response after an accidental release of a regulated substance;

(2) Procedures for the use of emergency response equipment and for its inspection, testing, and maintenance;

(3) Training for all employees in relevant procedures; and

(4) Procedures to review and update, as appropriate, the emergency response plan to reflect changes at the stationary source and ensure that employees are informed of changes.

(b) A written plan that complies with other Federal contingency plan regulations or is consistent with the approach in the National Response Team's Integrated Contingency Plan Guidance ("One Plan") and that, among other matters, includes the elements provided in paragraph (a) of this section, shall satisfy the requirements of this section if the owner or operator also complies with paragraph (c) of this section.

(c) The emergency response plan developed under paragraph (a)(1) of this section shall be coordinated with the community emergency response plan developed under 42 U.S.C. 11003. Upon request of the local emergency planning committee or emergency response officials, the owner or operator shall promptly provide the local emergency response officials information necessary for developing and implementing the community emergency response plan.

### **Informative Introduction**

#### **Emergency Action Plan and Alarm Systems Requirements**

The emergency action plan requirements apply to employers who will evacuate their employees from the danger area when an emergency occurs, and who do not permit any of their employees to assist in handling the emergency. Arrangements will be made with off-site personnel to respond to ammonia releases at the facility.

### **Procedures**

The procedures for preparing an emergency action plan are divided into the following sections:

- Purpose and Scope
- Statement of Policy
- Current Revision Date
- Facility Description
- Employee Responsibilities
- Incident Discovery
- Procedures for Internal and External Notifications
  - The responsible party having a HAZMAT Emergency will follow their facility's emergency plan/procedures and ensure these offsite contacts are made immediately:
    - a. Emergency Dispatch: 9-1-1
    - b. Washington State Duty Officer: 1.800.258.5990
    - c. Emergency Management:
      - i. 509.545-3546 Office
      - ii. 509.316-2953 EM Manager
      - iii. 509.628-0333 24-hr Dispatch (non-emergency)
    - d. Local Fire Agency in their jurisdiction
- Scenarios and Procedures
- Planning
- Logistics
- Termination and Follow-Up Activities
- Training

### **Purpose and Scope**

This document is to ensure that the facility is properly prepared for a fire, explosion, or an unplanned or accidental discharge of a hazardous substance. This emergency action plan addresses the actions that will be taken.

This plan was designed specifically to conform to the following regulations:

- Occupational Safety and Health Administration (OSHA), Process Safety Management (PSM) of Highly Hazardous Chemicals Requirements (29 CFR 1910.119)
- Occupational Safety and Health Administration (OSHA), Employee Emergency Plans and Fire Prevention Plans, 29 CFR 1910.38(a)
- Occupational Safety and Health Administration (OSHA), Employee Alarm Systems, 29 CFR 1910.165
- Environmental Protection Agency (EPA), Risk Management Programs for Chemical Accidental Release Prevention (40 CFR Part 68)

## Appendix I - Description of Emergency Equipment/ Facilities

| JURISDICTION          | RESOURCE                                                                                                                                                                                                                                                  | MUTUAL AID                                                                                                    |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Franklin County FPD#1 | The agency has emergency response personnel certified according to standards set by the Occupational Safety and Health Administration (OSHA), Washington Administrative Code (WAC), and the National Fire Protection Association (NFPA). HAZMAT Awareness | Franklin County All Hazard Master Mutual Aid Agreement & <a href="#">Washington Mutual Aid System (WAMAS)</a> |
| Franklin County FPD#2 | The agency has emergency response personnel certified according to standards set by the Occupational Safety and Health Administration (OSHA), Washington Administrative Code (WAC), and the National Fire Protection Association (NFPA). HAZMAT Awareness | Franklin County All Hazard Master Mutual Aid Agreement & <a href="#">Washington Mutual Aid System (WAMAS)</a> |

|                       |                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Franklin County FPD#3 | The agency has emergency response personnel certified according to standards set by the Occupational Safety and Health Administration (OSHA), Washington Administrative Code (WAC), and the National Fire Protection Association (NFPA). HAZMAT Awareness | <b>Franklin County All Hazard Master Mutual Aid Agreement &amp; <a href="#">Washington Mutual Aid System (WAMAS)</a></b><br><br>1. When an incident occurs and a requesting mutual aid department and/or a facility/RP has a request for technical expertise, the On-Duty Chief Officer will be contacted immediately for direction. 2. The On-Duty Chief Officer shall respond to any mutual aid response and shall retain responsibility over their personnel and equipment unless relieved by a higher-ranking officer from their agency. A Chief Officer vehicle shall be utilized for the response. 3. A recall of off-duty personnel may be made for the Hazardous Materials trained personnel. 4. Both on-duty and off-duty personnel may be used for the response. Four team members will comprise minimum response, in addition to non-team personnel. 5. An Engine/Rescue and Ambulance with a minimum of three personnel shall also respond. 6. The total minimum personnel response is: a. A Chief Officer b. Four Hazardous Materials Team members c. Three-member Engine/Rescue crew 7. The total minimum equipment response is: a. A Chief Officer vehicle b. An Engine/Rescue c. appropriate Hazardous Materials vehicle 8. When an agency requests Hazardous Materials personnel for offensive mitigation, the On-Duty Chief Officer shall follow agency protocol and policies. The previous sections 2 - 7 shall be followed for the incident advisory process. |
| Franklin County FPD#4 | The agency has emergency response personnel certified according to standards set by the Occupational Safety and Health Administration (OSHA), Washington Administrative Code (WAC), and the National Fire Protection Association (NFPA). HAZMAT Awareness | <b>Franklin County All Hazard Master Mutual Aid Agreement &amp; <a href="#">Washington Mutual Aid System (WAMAS)</a></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Franklin County FPD#5 | The agency has emergency response personnel certified according to standards set by the Occupational Safety and Health Administration (OSHA), Washington Administrative Code (WAC), and the National Fire Protection Association (NFPA). HAZMAT Awareness | <b>Franklin County All Hazard Master Mutual Aid Agreement &amp; <a href="#">Washington Mutual Aid System (WAMAS)</a></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|         |                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connell | The agency has emergency response personnel certified according to standards set by the Occupational Safety and Health Administration (OSHA), Washington Administrative Code (WAC), and the National Fire Protection Association (NFPA). HAZMAT Awareness | Franklin County All Hazard Master Mutual Aid Agreement & <a href="#">Washington Mutual Aid System (WAMAS)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Pasco   | The agency has emergency response personnel certified according to standards set by the Occupational Safety and Health Administration (OSHA), Washington Administrative Code (WAC), and the National Fire Protection Association (NFPA). HAZMAT Awareness | Franklin County All Hazard Master Mutual Aid Agreement & <a href="#">Washington Mutual Aid System (WAMAS)</a><br><br>1. When an incident occurs and a requesting mutual aid department and/or a facility/RP has a request for technical expertise, the On-Duty Chief Officer will be contacted immediately for direction. 2. The On-Duty Chief Officer shall respond to any mutual aid response and shall retain responsibility over their personnel and equipment unless relieved by a higher-ranking officer from their agency. A Chief Officer vehicle shall be utilized for the response. 3. A recall of off-duty personnel may be made for the Hazardous Materials trained personnel. 4. Both on-duty and off-duty personnel may be used for the response. Four team members will comprise minimum response, in addition to non-team personnel. 5. An Engine/Rescue and Ambulance with a minimum of three personnel shall also respond. 6. The total minimum personnel response is: a. A Chief Officer b. Four Hazardous Materials Team members c. Three-member Engine/Rescue crew 7. The total minimum equipment response is: a. A Chief Officer vehicle b. An Engine/Rescue c. appropriate Hazardous Materials vehicle 8. When an agency requests Hazardous Materials personnel for offensive mitigation, the On-Duty Chief Officer shall follow agency protocol and policies. The previous sections 2 - 7 shall be followed for the incident advisory process. |

**AREA SPILL RESOURCES**

| JURISDICTION/ LOCATION                                                                 | RESOURCE                                                               | AMOUNT                                                                                          |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Yakama Nation,-<br/>Toppenish,WA</b><br>509) 865-5121 x4402                         | Boom                                                                   | 800 feet-12",                                                                                   |
|                                                                                        | Spill equipment                                                        | Inside 7X8 trailer                                                                              |
| <b>BNSF- Lyle,WA</b><br>800-832-5452                                                   | Boom                                                                   | 19" Boom-900feet,19" Boom-600 feet, 19" Boom-600 feet, 19" Boom-600 feet, and 19" Boom-600 feet |
|                                                                                        | Spill equipment                                                        | in 5 air transport containers                                                                   |
|                                                                                        | 1CD18H-24 coated drum skimmer                                          | One -                                                                                           |
|                                                                                        | Petroleum storage bladder                                              | 3,000-gallon                                                                                    |
| <b>Department of Ecology- Central eastern Washington</b><br><b>509) 754-5088 x3137</b> | Boom                                                                   | 2700 feet of 12" boom, 900 feet of 10" boom, 800 feet of 18" inshore boom                       |
|                                                                                        | Spill equipment                                                        | 12 spill response trailers                                                                      |
| <b>Phillips 66- Moses Lake,WA</b> 509-765-7051                                         | Radios                                                                 | Mobile Radio equipment                                                                          |
|                                                                                        | Spill equipment                                                        | Inside 7X8 trailer                                                                              |
| <b>National Response Corporation Environmental Services- Pasco,WA</b> 1-800-33-SPILL   | Air Mover Truck                                                        | 60 barrel storage capacity                                                                      |
|                                                                                        | Backhoe                                                                | One                                                                                             |
| <b>TideWater Barge Lines- Pasco,WA</b> 360-6393-1491                                   | Boom                                                                   | 1,800 feet of 20" Boom                                                                          |
| <b>ACT Remediation Services, Pasco, WA</b><br>1-888-477-0015                           | Biohazard clean up                                                     | NA                                                                                              |
| <b>SERVPRO, Walla Walla, WA</b> 1-888-629-1222                                         | Biohazard clean up                                                     | NA                                                                                              |
| <b>Able Clean Up Technologies (Coverage area Eastern WA)</b><br>1-509-466-5255         | Primary Service is oil and chemical Clean up and materiel remediation. | NA                                                                                              |
| <b>Big Sky Industrial (Coverage area Eastern WA)</b> 1-509-624-4949                    | Oil and chemical Clean up and materiel remediation.                    | NA                                                                                              |

|                                                                           |                               |    |
|---------------------------------------------------------------------------|-------------------------------|----|
| <b>NRC Environmental Services (Coverage area national)</b> 1-800-337-7455 | All environment oil clean up. | NA |
|---------------------------------------------------------------------------|-------------------------------|----|

| FOAM INVENTORY IN AREA |                                        |                      |                    |             |              |             |                                      |                                                                                                                     |                                                                            |
|------------------------|----------------------------------------|----------------------|--------------------|-------------|--------------|-------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Freeze/Proctctd        | QNTY                                   | Size                 | Total GAL          | Application | Contact info |             |                                      |                                                                                                                     |                                                                            |
| Tidewater, Pasco, WA   | AFFF                                   | Ansulite 3%          | no                 | 5 drums     | 55 gal ea    | 275 gallons | on pallets                           | Ag chemicals, diesel, non-oxygenated gasoline ( <b>NOT for ethanol</b> ) stored in temperature controlled warehouse | Tidewater Terminal Company                                                 |
|                        | AR-AFFF                                | Ansulite 3% X 3%     | no                 | 2 totes     | 265 gal ea   | 530 gallons | foam trailer w/350 or 500 gpm nozzle | diesel, all gasolines, ethanol - stored in a temperature controlled warehouse at the Tidewater Pasco Terminal       | <a href="mailto:John.Sherman@Tidewater.com">John.Sherman@Tidewater.com</a> |
|                        | AR-AFFF                                | Ansulite 3% X 3%     | no                 | 10 drums    | 55 gal ea    | 550 gallons | on pallets                           |                                                                                                                     | 671 Tank Farm Rd                                                           |
|                        | AR-AFFF                                | Chem - guard 3% X 3% | yes                | 2 totes     | 265 gal ea   | 530 gallons | foam trailer w/350 or 500 gpm nozzle | diesel, all gasolines, ethanol                                                                                      | Pasco, WA 99301<br>Office: 509-547-7701<br>Cell: 509-385-8122              |
|                        | Total Tidewater Pasco foam inventory : |                      |                    |             |              |             | 1885 gallons                         |                                                                                                                     |                                                                            |
|                        | Tidewater, Umatilla, OR                | AFFF                 | Thunder - storm 3% | yes         | 2 drums      | 55 gal ea   | 110 gal                              | at the truck rack                                                                                                   | diesel, non-oxygenated gasoline, ( <b>NOT for ethanol</b> )                |

|                                                                             |         |                         |     |         |               |             |                          |                                   |                                  |                                              |
|-----------------------------------------------------------------------------|---------|-------------------------|-----|---------|---------------|-------------|--------------------------|-----------------------------------|----------------------------------|----------------------------------------------|
| NRCES                                                                       | AR-AFFF | Chem - guard<br>3% X 3% | yes | 2 totes | 265 gal<br>ea | 530 gallons | foam trailer<br>w/nozzle | diesel, all gasolines,<br>ethanol | NRC<br>Environmental<br>Services |                                              |
| Pasco, WA                                                                   |         |                         |     |         |               |             |                          |                                   | 800-337-7455                     |                                              |
| THIS FOAM INVENTORY BELONGS TO THE BNSF RAILROAD but is maintained by NRCS. |         |                         |     |         |               |             |                          |                                   |                                  | 1810 E. James St.                            |
|                                                                             |         |                         |     |         |               |             |                          |                                   |                                  | Pasco, WA<br>Office: 509-545-6110 (24 hour#) |

|                       |                                                                     |                     |     |         |                  |                |                    |                                                                                                                                                |  |  |  |                       |
|-----------------------|---------------------------------------------------------------------|---------------------|-----|---------|------------------|----------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------|
| Tri-Cities<br>Airport | AFFF                                                                | 500<br>gallons      |     |         |                  |                |                    |                                                                                                                                                |  |  |  |                       |
| Pasco                 | TYPICALLY NOT AVAILABLE DUE TO AIRPORT REQUIREMENTS TO HAVE ON SITE |                     |     |         |                  |                |                    |                                                                                                                                                |  |  |  |                       |
| Umatilla FD           | AFFF                                                                | Thunderstor<br>m 3% | yes | 2 totes | 265<br>gal<br>ea | 530<br>gallons | on a foam<br>truck | Chief Steve Potts<br><a href="mailto:steve.potts@umatillafire.org">steve.potts@umatillafire.org</a><br>Cell: 541-701-8400<br>305 Willamette St |  |  |  |                       |
| Umatilla, OR          |                                                                     |                     |     |         |                  |                |                    |                                                                                                                                                |  |  |  |                       |
|                       |                                                                     |                     |     |         |                  |                |                    |                                                                                                                                                |  |  |  | Umatilla, OR<br>97882 |

## Appendix J - Petroleum Crude Oil Response Reference

Franklin County has numerous shipments of empty and full Bakken crude railcars passing along the rail lines inside the County. While not a traditional “fixed facility”, the rail cars can be parked for weeks on end, in numerous places around the county. Bakken crude is a very light volatile type of crude that acts more like refined products such as gasoline when involved in fire. While the majority of the railcars are empty, Bakken has a higher gas content/ vapor pressure, lower flash point and boiling point and thus a higher degree of volatility than most other crudes in the U.S. (which correlates to increased ignitability and flammability even when dealing with empty railcars). The Reference Sheet below provides further guidance:



### COMMODITY PREPAREDNESS AND INCIDENT MANAGEMENT REFERENCE SHEET

#### PETROLEUM CRUDE OIL

CAS NO. 8002-05-9  
UN 1267  
DOT Hazard Class: 3  
**FLAMMABLE LIQUID**  
ERG Guide No. 128

#### HAZARD RATING = HIGH



DOT Hazard Classification and NFPA 704 - Standard System for the Identification of the Hazards of Materials for Emergency Response

### TRANSPORTATION AND PLANNING CONSIDERATIONS

- With the increased production of oil from shale reserves in states such as North Dakota and Texas, there has been a dramatic increase in the transportation of crude oil by rail. Rail shipments of crude oil from these regions are typically made using unit trains. Unit trains of crude oil are single commodity trains that generally consist of over 100 tank cars, each carrying approximately 30,000 gallons of crude oil.
- Unit trains typically move from one location (e.g., shipper's production facility or transloading facility) to a single destination (e.g., petroleum refinery). Given the usual length of these trains (over a mile long), derailments can cause road closures, create significant detours, and require response from more than one direction to access the scene of the incident.
- In the event of an incident that may involve the release of thousands of gallons of product and ignition of tank cars of crude oil in a unit train, most emergency response organizations will not have the available resources, capabilities or trained personnel to safely and effectively extinguish a fire or contain a spill of this magnitude (e.g., sufficient firefighting foam concentrate, appliances, equipment, water supplies).
- Responses to unit train derailments of crude oil will require specialized outside resources that may not arrive at the scene for hours; therefore it is critical that responders coordinate their activities with the involved railroad and initiate requests for specialized resources as soon as possible.
- These derailments will likely require mutual aid and a more robust on-scene *Incident Management System* than responders may normally use. Therefore, pre-incident planning, preparedness and coordination of response strategies should be considered and made part of response plans, drills and exercises that include the shippers and rail carriers of this commodity.

- Tank cars carrying crude oil may also be found in general freight (manifest) trains that are made up of shipments of many different commodities from many different shippers. In these situations, emergency responders need to consider the potential impact that tank cars containing other hazardous commodities may have on tank cars containing crude oil if a release occurs, and vice-versa.
- To determine what specific commodities or hazardous materials may be involved, responders should obtain a train consist from the train crew or by contacting the rail carrier's emergency contact number.

## HAZARD SUMMARY

- Petroleum crude oil is a light to dark colored liquid hydrocarbon containing flammable gasses. It is not a uniform substance and its physical and chemical properties may vary from oilfield to oilfield or within wells located in the same oilfield. Light, sweet crude oils contain flammable gasses such as butane and propane (unless it is known that the gasses have been removed). These gasses can readily ignite if released, when they come in contact with an ignition source. These crude oils may also contain hydrogen sulfide, a toxic inhalation hazard material, in the vapor space of the tank car. Due to the characteristics of crude oil, in an accident scenario, the behavior of this product may range from that of gasoline for the lighter (sweet) crude oils to diesel fuel for the heavier (sour) crude oils.
- Releases may create vapor/air explosion hazards indoors, in confined spaces, outdoors, or in sewers. Remove sources of heat, sparks, flame, friction and electricity, including internal combustion engines and power tools. Use caution when approaching the scene and positioning apparatus. Implement air monitoring as soon as possible to detect the presence of combustible gasses.
- Volatile vapors released from the spill area may create flammable atmospheres. Some crude oil vapors may be heavier than air and accumulate in low areas, and travel some distance to a source of ignition and flash back.
- When working in flammable atmospheres (where any concentration of lower explosive limit (LEL) exists), extreme caution must be taken to avoid creating ignition sources. This includes but is not limited to the use of non-sparking tools and intrinsically safe/explosion-proof equipment.
- The more volatile materials in crude oil may be present in air in high concentrations creating an inhalation hazard. There is also the possibility that the crude oil may contain varying concentrations of benzene or hydrogen sulfide. Products of combustion may also include toxic constituents. Responders should wear self-contained breathing apparatus (SCBA) to avoid potential exposure.
- Use water fog spray to cool containers, control vapors, and to protect personnel and exposures. Direct the cooling water to the top of the tank. There is some potential that containers of liquid that are not properly cooled may rupture violently if exposed to fire or excessive heat. Stay away from ends of tank(s) involved in fire, but realize that shrapnel may travel in any direction.

## RAILROAD SAFETY PROCEDURES

Emergency response personnel should always be aware of the potential for serious injury when working in and around railcars, tracks and related equipment. The following safe operating practices should be followed when involved in emergency response operations at the scene of a crude oil train derailment:

- **Expect a train or rail equipment to move on any track from either direction at any time.**

- **DO NOT APPLY WATER DIRECTLY INSIDE A TANK CAR.** Apply water from the sides of the tank car and from a safe distance to keep fire exposed containers cool. Use unmanned fire monitors for cooling tank cars when available. Withdraw immediately in case of rising sound from venting pressure relief devices or discoloration of tank. If available, dry chemical extinguishing agents, such as potassium bicarbonate (i.e., Purple K) may also be used in conjunction with Class B foams.
- Improper application of fire streams may create a dangerous phenomenon known as a *sloper*, thereby increasing risks to emergency responders. **A sloper results when a water stream is applied to the hot surface of burning oil. The water is converted into steam causing agitation of the liquid and burning oil to sloper over the sides of the tank car. This can occur within 10 minutes of the product becoming involved in fire.** Note: *Sloper* will not occur in a pool of crude oil on the ground.
- Hazardous combustion/decomposition products may be released by this material when exposed to heat or fire. These can include carbon monoxide, sulfur oxides, nitrogen oxides and aldehydes. Response personnel should exercise extreme caution on-scene and wear appropriate personal protective clothing and equipment, including respiratory protection.
- Apply Class B firefighting foam as you would on fires involving other hydrocarbons. Class B foam blankets prevent vapor production and ignition of flammable and combustible liquids. Foam is most effective on static fires that are contained in some manner. Firefighting foam is not effective on hydrocarbon fuels in motion (i.e., three dimensional fires) that include product leaking or spraying from manways, valves, fractures in the tank shell (e.g., rips, tears, etc.) or spills on sloping terrain.
- As a general rule, **DO NOT** flush crude oil spills with water. Most crude oils are not water soluble and will have a tendency to float on water. Some crude oils will sink and some fractions of crude oil are water soluble. For those crude oils that float on water, burning crude oil may be carried away from the immediate area and may reignite on the surface of the water.
- Prevent runoff from entering storm/sewer systems and sensitive areas, as this may create a serious hazard and potential environmental problems. Notify proper authorities, downstream sewer and water treatment operations, and other downstream users of potentially contaminated water. Runoff may be flammable and/or toxic and should be contained, treated and disposed of in accordance with applicable federal, state and local environmental regulations.

- Watch for movement in both directions before crossing tracks. If the tracks are clear, walk single file at a right angle to the rails.
- Trains can approach with little or no warning. You may not be able to hear them due to atmospheric conditions, terrain, noisy work equipment, or passing trains on other tracks. Stand a minimum of 25 feet away from the tracks if possible, and face the train when rail equipment is passing through.
- Always contact the railroad to advise them of your presence – they may not know that you are on-scene or that they have a problem. Work with the railroad to be sure the track is “blue flagged” – the railroad’s version to provide protection by their lock-out, tag-out process.
- Never stand, walk or sit on railway tracks, between the rails or on the ends of ties. Never step on the rail - step over it. The rail can be a slip, trip, or fall hazard. Never put your feet on moveable parts of a rail car such as couplers, sliding sills or uncoupling levers.
- Do not occupy the area between adjacent tracks in multiple track territory when a train is passing. If crossing between two stationary railcars, ensure there is at least 50 feet between them.
- Be especially careful working in rail yards and terminal areas. Tank cars are pushed and moved, and can change tracks often. Cars that appear to be stationary or in storage can begin to move without warning. Be sure that any rail equipment is secured against movement (wheels chocked, hand brakes secured, etc.) before attempting to work on or near it. Keep at least 25 feet away from the end of a car or locomotive to protect yourself from sudden movement.
- Never move equipment across the tracks unless at an established road crossing or under the supervision of a railroad representative.
- If it is necessary to climb rail equipment, use three points of contact at all times. The ladders on rail equipment may curve around the car making it difficult to find the rung with your foot. The first step on to rail equipment is typically some distance off of the ground. When descending the ladder, step - do not jump from the last step. Normally, there is ballast around the tracks which can be uneven and shift, causing a fall hazard. Locomotive steps are considered ladders. Always face the locomotive going up and coming down.
- Never cross over or under rail equipment -- use the ladders, handholds and crossover platforms or walk around the attached equipment. Remember to block the feet and tie off ladders at the top. When laddering tank cars or box cars, always consider using two points of access - the second being a point of escape should the other become inaccessible for any reason. Plan to use your own ladders.
- Avoid the use of cell phones when within 25 feet of live tracks.
- Be aware of the location of structures or obstructions where clearances are close.
- Stay away from track switches since they can be remotely operated.

| <b>Company</b>                    | <b>Emergency Telephone Number</b> |
|-----------------------------------|-----------------------------------|
| BNSF Railway                      | (800) 832-5452                    |
| Canadian National (CN) Railway    | (800) 465-9239                    |
| Canadian Pacific (CP) Railway     | (800) 716-9132                    |
| CSX Transportation                | (800) 232-0144                    |
| Kansas City Southern Rail Network | (877) 527-9464                    |
| Norfolk Southern Railroad         | (800) 453-2530                    |
| Union Pacific Railroad            | (888) 877-7267                    |