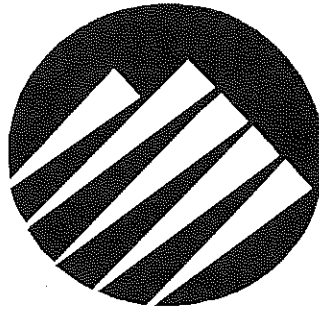


**Pierce County
Local Emergency Planning Committee**

**Pierce County
Emergency Management**



Local Emergency Planning Committee (LEPC)
ESF 10 - Oil and Hazardous Materials Response

September 2018

Record of Revisions

Revision Number	Nature of Change	Date of Change	Initial
1.	Update of CEMP Annex O on Radiological and Technological Protection	January 1992	WJ
2.	Change to ESF format	June 1998	KF
3.	Total rewrite as a stand-alone plan	October 2003	AD
4.	Reformat and rewrite sections	October 2004	AZ
5.	Minor rewrite	December 2004	AZ
6.	Minor changes	June 2005	AZ
7.	Moderate rewrite	June 2006	BE
8.	Reformat and moderate rewrite	June 2009	KM
9.	Revise and Update	September 2010	KM
10.	Revision of Plan and update using September 2011 ESF-10 Template	August 2012	KG
11.	Minor Revision	January 2013	CB
12.	Minor Changes	September 2014	CB
13.	Minor Updates	2016	RS
14.	Incorporate State Requests, CEMP Update	September 2018	KK/LEPC
15.			
16.			
17.			

All revisions to the Pierce 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 chairperson will approve the revisions recommended by the LEPC or its subcommittee.

Contents

INTRODUCTION	6
Purpose	6
Scope	6
Policies and Legal Authorities	7
Situation	8
Assumptions	8
CONCEPT OF OPERATIONS	9
General	9
Direction and Control	10
ACTIONS	11
Emergency Response	11
Public Safety	12
Responder Safety	14
Resource Management	14
Containment/Clean-Up	14
RESPONSIBILITIES	15
Primary Agencies	15
Regulated Facilities	18
REFERENCES	19
Appendix A – Promulgation	21
Appendix B – EPCRA Reporting and Regulated Facilities 2016	22
EPCRA REPORTING	22
Appendix C – Incident Command Agency	30
Appendix D - Public Safety Procedures	31
Appendix E Precautionary Evacuation Plans	36
Appendix F Reported Tier Two Facilities, Schools, and Medical Facilities in Liquefaction Areas	37
Appendix G – Response Resources	38
Appendix H – Training Requirements and Schedule	40
Appendix I – Exercise Schedule	44
Appendix J – Incident Report	45
Appendix K – Definitions	48

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). Pierce County Emergency Management, the designated Community Emergency Coordinator for the Pierce 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 Pierce County can operate as a stand-alone plan.

JOINT PRIMARY AGENCIES

- Joint Base Lewis McChord Fire and Emergency Services Hazardous Materials Team (HAZMAT 105)
- Pierce County Hazardous Incident Team (HIT) (Central Pierce, Graham, East Pierce, West Pierce Fire & Rescue and Gig Harbor Fire and Medic One)
- Pierce County Fire Districts and Municipal Fire Departments (See Appendix C)
- Tacoma Fire Department
- Washington State Patrol (WSP)
- Washington State Department of Ecology (DOE)

SUPPORT AGENCIES

- Tacoma-Pierce County Health Department (TPCHD)
- Public Safety Answering Points (South Sound 911, Tacoma Fire Communications, JBLM)
- Pierce County Local Emergency Planning Committee
- Pierce County Sheriff's Department/Municipal Police Departments
- Public and Private Emergency Medical Services
- Regulated Facilities/Responsible Party
- Municipal and or Private Utilities

STATE LEADS

- Washington State Department of Labor and Industries (L&I)
- Washington State Department of Fish & Wildlife
- Washington State Department of Natural Resources (DNR)
- Washington State Department of Health (DOH)
- Washington State Military Department
 - Emergency Management Division (EMD)
 - 10th Civil Support Team (Weapons of Mass Destruction-WMD)
- Washington State Department of Transportation (WSDOT)

FEDERAL LEADS

- United States Environmental Protection Agency (EPA)
- United States Coast Guard
- Department of Homeland Security Infrastructure Protection
- FBI HazMat Response Unit (Seattle)

INTRODUCTION

Purpose

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

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

This plan describes the policies, situation, planning assumptions, concept of operations and the responsibilities of a hazardous materials response in Pierce County. Operational coordination is outlined to provide guidance during the response phase of varying magnitudes and unique incidents that may fall outside the scope of local agencies. This is not to be considered a procedural manual or incident action plan. Agencies responding to hazardous materials incidents will have their own procedures; this plan does not supersede those procedures.

Response may require a multi-disciplinary approach. Support may include responders from other fire services, law enforcement, environmental containment and cleanup specialists, utilities, local public works, fish and wildlife experts, private and public emergency medical services, environmental public health, and other agencies. This plan identifies the roles and responsibilities of all such avenues of response and recovery.

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

Policies and Legal Authorities

- SARA Title III (Public Law 99-499).
- Revised Code of Washington (RCW) 38.52.070 - Local organizations and joint local organizations authorized - Establishment, operation - Emergency powers, procedures.
- RCW 70.105D Hazardous Waste Cleanup-Model Toxics Control Act
- RCW 70.136 - 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).
- RCW 70.05.070 Powers and Duties of the Local Health Officer
- RCW 70.119A Public Water Systems
- Chapter 118-40 WAC - Hazardous chemical emergency response planning and community right-to-know reporting.

- Chapter 173-340 WAC MTCA
- Chapter 296-824 WAC - Emergency Response-Hazmat Response.
- Chapter 296-305-03002 WAC – Safety Standards for Firefighters-Hazmat
- 40 CFR Part 355 - Emergency Planning and Notification
- 40 CFR Part 370 - Hazardous Chemical Report: Community Right-to-Know
- U.S. Code: Title 42, Chapter 116, Section 11003a-g - Comprehensive Emergency Response Plans
- NFPA 1500: Standard on Fire Department Occupational Safety and Health Program
- NFPA 1081: Standard for Industrial Fire Brigade Member Professional Qualifications
- NFPA 1982: Standard on Personal Alert Safety Systems (PASS)
- NFPA 472: Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents
- NFPA 473: Standard for Competencies for EMS Personnel Responding to Hazardous Materials/Weapons of Mass Destruction Incident
- Pierce County code 2.118.030: Powers and Duties

SITUATIONS & ASSUMPTIONS

Situation

Hazardous materials are commonly stored, used, transported, and manufactured in Pierce County. Hazardous materials incidents can occur anywhere at any time as identified in the Pierce County Hazard Identification and Risk Assessment (HIRA). There are a large number of regulated facilities that report the storage and manufacturing of hazardous substances in Pierce County (App B). Hazardous materials may be transported via road, rail lines, pipelines, waterways and through flight paths. Upon initial assessment, some incidents may not have obvious impacts on life, property or the environment. However, they may have subtle long-term consequences for human health and the environment. Hazardous materials incidents may have different characteristics and require adaptable response due to the nature of their volatility, complexity and size.

Assumptions

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

There may be little to no advance warning during hazardous materials events.

A hazardous materials incident may be caused by or during another emergency, such as flooding, a major fire or earthquake, or terrorist attack.

The length of time available to determine the scope and magnitude of a hazardous materials incident will impact protective action recommendations.

Each agency, facility and jurisdiction will respond within the limits of their training, capabilities, qualifications, and availability.

Damage to transportation infrastructure and to fire facilities may impact the ability of fire services to respond to the emergency or disaster.

Environmental conditions and changes during the course of an incident may necessitate changes in protective actions and distances.

A hazardous materials incident may require the evacuation of citizens from any location in Pierce County. A portion of the population in an affected area will typically relocate voluntarily when informed, while others may spontaneously evacuate. Those relocating may use various routes, including those outside of the evacuation route. People who evacuate may require shelter in a mass care facility.

Residents with access and functional needs may require assistance when evacuating.

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

CONCEPT OF OPERATIONS

General

The Pierce County Local Emergency Planning Committee (LEPC) will assist agencies within Pierce County in preparing and reviewing hazardous material response plans and procedures.

Spills may be reported through a variety of avenues and to several entities. The authorized representative of the regulated facilities and transportation companies involved in an actual or suspected release of a hazardous material are expected to promptly notify the Public Safety Answering Point (PSAP, 911) or appropriate response agency(s), LEPC, State Emergency Response Commission (SERC), tribal governments or other potentially affected LEPCs, NRC, or jurisdictions of the incident. Regulated facilities and transportation companies will also make recommendations to the responding agencies on how to contain the release and protect the public and environment and may provide response resources themselves.

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

Resource organization and availability are described in the South Puget Sound Fire Resource Plan which identifies resources, staging areas, and other logistical information to aid in the response to incidents. If a hazardous material response exceeds the scope and capacity of the county wide response agencies and resources, the South Puget Sound Fire Resource Plan may be implemented. Mutual Aid agreements exist between Pierce County and King, Mason, and Kitsap Counties.

The first priority of the Incident Commander (IC) will be to determine the appropriate protective action for the public, disseminate such recommendations, and implement them. When an incident occurs, the jurisdictional Public Safety Answering Point will notify the Pierce County Fire Resource

Coordinator, so that they may take steps to ensure that adequate resources are supplied for the incident and there are enough remaining resources to protect the entire County and coordinate with the South Puget Sound Region of Kitsap, King, Mason and Pierce Counties. The IC will coordinate with partner agencies to determine the appropriate protective actions based on the incident and may consult resources such as:

- Safety Data Sheets
- Emergency Response Guidebook (ERG)
- Hazmat Technicians
- Department of Ecology
- Public Health Agency
- ChemTrec
- Industry Experts
- FBI
- 10th CST

All responders 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 the Pierce County Duty Officer (253-798-7470). The PC EOC may be activated upon request by the IC through the Duty Officer. The PC EOC will notify the State Emergency Operations Officer (SEOO) of EOC status. If requested or necessary a Joint Information Center (JIC) will be opened to coordinate public messaging between both public and private organizations. The Pierce County Type 3 Incident Management Team may be requested if needed.

The Washington State Emergency Support Function 10 Plan and the Northwest Area Contingency Plan outline the coordination and role and responsibilities should an incident grow beyond the scope of Pierce County.

Direction and Control

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

When a hazardous materials release occurs in the City of Tacoma, the Tacoma Department of Emergency Management (DEM)/Emergency Operations Center (EOC) is the dedicated agency to support the field operations. When a hazardous materials release occurs in unincorporated Pierce County, the Pierce County Emergency Operations Center (PC EOC) will support field operations. With spills occurring within Pierce County contract cities and towns the County may act as the lead agency in support of field operations upon request from the local jurisdiction.

The response for 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 Pierce 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

Release Identification and Notification

The methods and procedures for determining a release occurred and the affected areas vary by location and personnel qualifications. The recognized methods and procedures for responders 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. Qualifications levels are outlined in the Emergency Response section.

Generally, the major facility operators in Pierce 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.

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

Releases that occur at locations outside of a regulated facility are often reported in various ways and reported to a variety of entities especially if they are smaller releases. The entity initially notified should ensure that the proper parties are also notified for proper response.

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 for specific requirements.

The respective Public Safety Answering Points, or IC, will contact the on-call Pierce County Duty Officer (253-798-7470) to engage PC EM in the coordination of information and resources, if needed, with the Incident Commander in the event of a hazardous material incident. The Duty Officer position is staffed 24/7 for emergency situations. Additional resources will be coordinated and communicated with the Incident Commander via direct radio contact if other phone communications are not functioning.

Public Safety

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 an 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 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 facilitate its use when it is 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 the 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. Reference materials and resources which will aid the decision-making process include:

- Emergency Response Guidebook (ERG) (Current Edition),
 - <https://phmsa.dot.gov/hazmat/outreach-training/erg>
 - <https://phmsa.dot.gov/staticfiles/PHMSA/DownloadableFiles/Files/Hazmat/ERG2016.pdf>
- Safety Data Sheets (SDS),
 - <https://www.osha.gov/Publications/OSHA3514.html>
- Chemical Transportation Emergency Center (CHEMTREC),
 - <http://www.chemtrec.com/>
- AIHA Emergency Response Planning Guidelines,

- <https://www.aiha.org/get-involved/AIHAGuidelineFoundation/EmergencyResponsePlanningGuidelines/Pages/default.aspx>
- NIOSH Pocket Guide to Chemical Hazards,
 - <http://www.cdc.gov/niosh/npg/>
- CAMEO Chemicals,
 - <http://cameochemicals.noaa.gov/>
- Areal Locations of Hazardous Atmospheres (ALOHA),
 - <https://www.epa.gov/cameo/aloha-software>
- Mapping Applications for Response, Planning, and Local Operational Tasks (MARPLOT),
 - <https://www.epa.gov/cameo/marplot-software>

The IC has the authority to order the 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 D - Public Safety Procedures.

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. The IC will make the request through the PC EM Duty Officer at (253-798-7470). PC EM utilizes a notification system called Pierce County ALERT (PC ALERT) to notify the public of dangers or risks to their lives and/or property. Affected public will be notified by telephone, FAX, cell phone, e-mail, or text message of emergency conditions. The system has been utilized to evacuate areas of pending floods or hazardous gas releases. If necessary, the JIC will be opened to coordinate public messaging. The JIC will determine the most effective means of communicating information (television, radio, social media, reverse 911, etc.)

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.

Some facilities are required to have a Risk Management Plan under the Clean Air Act Section 112 (r)

Precautionary evacuation plans for selected facilities within the Pierce County LEPC's area of responsibility are found in Appendix E - Precautionary Evacuation Plans.

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, statues, 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 below.

Resource Management

The response and recovery resources available to Pierce County come from federal, state and local partners, public and private stakeholders and nongovernmental organizations. During response operations, acquisition of resources will be by preexisting memorandums of understanding (MOUs), memorandums of agreement (MOAs), interagency agreements (IAAs) and contracts or through emergent contracting in accordance with RCW 38.52.070. Response resources immediately available through MOU, MOA or IAA are identified in Appendix F.

Private industry and regulated facilities may have resources and capabilities to respond immediately in the event that 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 Pierce County this activity may be coordinated with the WA State Department of Ecology and the appropriate county departments such as Tacoma-Pierce County Health Department and 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 falls on the designated Incident Command agency, the Responsible Party is liable for all response and remediation costs as stated in Chapter 70-105D RCW at <http://app.leg.wa.gov/RCW/default.aspx?cite=70.105D>. 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.

A list of hazardous materials spill contractors is available through the Department of Ecology at http://www.ecy.wa.gov/programs/spills/spills_happen/HazmatSpillContractorList_PRC.pdf

RESPONSIBILITIES

Primary Agencies

Primary agencies have lead responsibilities 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 Primary Agency	ESF Responsibilities
<p>Pierce County Hazardous Material Teams (TFD, JBLM, PC-HIT)</p>	<p>Respond in support of first response agencies when requested.</p> <p>Assess actions taken by first-in units.</p> <p>Provide/recommend technical level response to hazardous materials incidents.</p> <p>Provide scene management expertise and equipment.</p> <p>Evaluate/establish exclusionary zones.</p> <p>Perform threat assessment via detecting, metering/monitoring and sampling.</p> <p>Perform substance identification testing via hazard ID analysis and/or radiological testing.</p> <p>Determine the proper level of PPE, emergency medical treatment, decontamination techniques and additional authorities requiring notification.</p> <p>Perform duties as directed by incident commander.</p> <p>Coordinate with representatives from the impacted jurisdiction's Emergency Management Agency and/or the Pierce County Emergency Management.</p>
<p>Pierce County Fire Districts & Municipal Fire Departments</p>	<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>Support responding Hazmat Team with personnel, equipment, and other assistance, as required.</p> <p>Provide coordination and control of manpower and equipment through the EOC and at an ICP.</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>Washington State Patrol (WSP)</p>	<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 RCW 70.136.030.</p> <p>When necessary, establish a unified command system with fire departments, emergency medical services and other state and federal agencies.</p>
<p>Washington State Department of Ecology</p>	<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.</p> <p>Ensure source control, containment, cleanup and disposal are accomplished.</p>
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ESF Support Agency	ESF Responsibilities
Municipal and Private Utilities	<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>
Pierce County Planning and Public Works	<p>Support the mapping of water and sewer systems that may contain hazardous materials.</p> <p>Provide support and logistics for developing efficient evacuation plans.</p> <p>Provide assistance during evacuations by providing signage.</p> <p>See ESF 3 Public Works and Engineering</p>
Pierce County Sheriff's Department and Municipal Police Departments	<p>Coordinate with Public Works and Fire to implement evacuations.</p> <p>Provide assistance securing a perimeter defining the evacuation zone.</p> <p>Secure a crime scene.</p> <p>See ESF 13 Public Safety</p>
Private Emergency Medical Services	<p>Provide assistance to public EMS if overwhelmed.</p> <p>See ESF 8 Public Health</p>
Public Safety Answering Points (PSAPS)	<p>Provide assistance in coordinating communications and information sharing between ICP and EOC when needed</p> <p>See ESF 2 Communications</p>

<p>Regulated Facilities</p>	<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 in accordance with 40 CFR 355.30. 40 CFR 355.30 (c) 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 Pierce 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 Pierce County LEPC, when requested.</p> <p>Train and equip personnel to implement the plans.</p> <p>Coordinate plans with the local fire jurisdictions.</p> <p>Notify 9-1-1 and other agencies as required or necessary, when a hazardous materials incident occurs.</p> <p>Implement emergency plans utilizing NIMS in coordination with the local fire jurisdictions.</p> <p>Include evacuation routes and methods of evacuation for employees and visitors, both on site and in the immediate proximity, in emergency plans.</p>
<p>Tacoma-Pierce County Health Department</p>	<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> <p>Make a final determination on when contamination no longer poses a public health risk.</p> <p>Initiate actions to reopen sites once contaminated when the threat is properly mitigated.</p>

ESF Federal Lead Agency	ESF Responsibilities
<p>United States Environmental Protection Agency</p>	<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>
<p>United States Coast Guard</p>	<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 Primary 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

Function	Agency	ESF
Environmental Health (air and water quality)	TPCHD/WA State Health Dept.	8
Emergency Medical Services	Private and Public Entities/Fire	8
Traffic Control, assist with evacuations, criminal investigations	PC Sheriff's Department/local PD's	13
Transportation	PC Public Works/WSDOT	1
Alert and warning	PCEM, TEOC, PEOC	Base Plan
Sheltering	PCEM, Red Cross	6
Feeding/Hydration	Salvation Army	6
Public Safety Answering Points	SS-911	2
Public Messaging	PCEM/JIC	15

REFERENCES

FEMA, Guide for All-Hazard Emergency Operations Planning (SLG-101).

US Department of Transportation and Transport Canada, Emergency Response Guidebook.

SARA Title III – Emergency Planning and Community Right-to-Know Act (EPCRA),
<http://www.ecy.wa.gov/epcra>.

Public Law 99-499 – Superfund Amendment and Reauthorization Act (SARA)

Chapter 118-40 WAC – Hazardous Chemical Emergency Response Planning

Pierce County Hazard Identification and Risk Analysis (HIRA)

Pierce County Fire Service Emergency Resource Plan

Appendix A – Promulgation

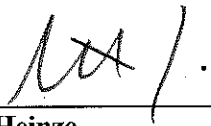
EMERGENCY SUPPORT FUNCTION (ESF) 10 - Hazardous Materials

APPROVAL & IMPLEMENTATION

The Pierce County LEPC developed 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 Pierce County.

The Pierce County LEPC directs 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.

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



Scott Heinze
Interim Director, Pierce County Emergency Management

Appendix B – EPCRA Reporting and Regulated Facilities 2016

EPCRA REPORTING

All facilities within Pierce 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 or 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 and LEPC, 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 person outside the facility. A verbal report must be submitted immediately and followed up with a written report within 14 days.

Pierce County Comprehensive Emergency Management Plan

Company Name	Physical Address	City	Zip Code	Facility Emergency Coordinator and Title	Phone Number
Caraustar Mill Group Inc Tacoma Paperboard	808 E 26th St	Tacoma	98421	Mark Lindstrom, General Manager	(253) 627-1197
Cardinal Health	6710 26th St E	Fife	98424	John Dyson, EHS Contact	(253) 896-2725
Carlisle Construction Materials Inc	19727 57th Ave E	Puyallup	98375	Shawn Osler, Environmental Manager	(253) 271-3045
CECO Concrete Construction - Sumner	9108 Riverside Road East	Sumner	98390	Chris Martinez, District Superintendent	(206) 571-2970
CenturyLink - Orting CO	107 1/2 E Train Ave	Orting	98360	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00090 - Buckley	350 Jefferson ST	Buckley	98321	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00101 - Fife	1427 62nd Ave E	Fife	98424	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00118 - Spanaway	3802 224th ST E	Spanaway	98387	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00260 - Puyallup	317 3rd SW	Puyallup	98371	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00287 - Roy	S 288th and Hwy 507	Roy	98580	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00309 - Graham	22405 38th Ave E	Spanaway	98387	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00360 - Sumner	905 Kincaid Ave	Sumner	98390	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00377 - Tacoma Fawcett	750 S Fawcett Ave	Tacoma	98402	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00378 - Tacoma 113th ST	601 S 113th ST	Tacoma	98444	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00381 - Tacoma J ST	4818 S J ST	Tacoma	98408	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00436 - Lakewood	6330 111th ST SW	Lakewood	98499	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00452 - Silver Springs	FS RD 7174 at Hwy 410 East Side	Enumclaw	98022	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00611 - Tacoma Madison	2703 N Madison ST	Tacoma	98407	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00669 - Tacoma - Colorado Ave	Bldg 6070 16th ST & Colorado Ave	Tacoma	98409	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00921 - Bonney Lake	19504 Bonney Lake Blvd E	Bonney Lake	98390	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QC W00973 - University Place	2823 Bridgeport Way W	University Place	98466	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QCC WF0035 - Loveland	17911B 52nd Ave E	Tacoma	98446	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - QCC WF0054 - Spanaway	4320 E 180th ST	Spanaway	98387	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - Rosedale CO	3718 Rosedale ST	Gig Harbor	98332	Joe Robertson, EHS Manager	(253) 372-5184
CenturyLink - South Prairie CO	13222 225th Ave E	Sumner	98390	Joe Robertson, EHS Manager	(253) 372-5184
CHS INC Purdy Burley	15824 66th Ave NW	Purdy	98322	Andria Kurbondski, Environmental Compliance Specialist	(651) 355-5394
Cintas Corp	631 Valley Ave NW	Puyallup	98371	Dennis Bussell, General Manager	(253) 936-1097
City of Puyallup - Maplewood Springs WTP	1600 15th Ave SW	Puyallup	98371	Craig Hale, Water Supervisor	(253) 841-5503
City of Puyallup Corporate Yards	1100 39th Ave SE	Puyallup	98371	Craig Hale, Water Supervisor	(253) 841-5503
City of Puyallup WTP	2028 River Rd	Puyallup	98371	Craig Hale, Water Supervisor	(253) 841-5503
City of Sumner - Crystal and County Springs	5221 160th Ave E	Sumner	98390	Anthony Utanis, Field Supervisor	(253) 299-5740
City of Sumner - South Well	16404 78th Ave E	Sumner	98390	Anthony Utanis, Field Supervisor	(253) 299-5740
City of Sumner - Sumner Springs	4617 Parker Road E	Sumner	98390	Anthony Utanis, Field Supervisor	(253) 299-5740
Coca Cola Bottling Co	3500-E 20th St E	Fife	98424	John Black, EFC Manager	(253) 778-7565
Coca Cola South Sound	2115 116th St	S. Tacoma	98444	David Hughes, Business Manager	(253) 503-4387
Comcast Communications Puyallup 2	410 Valley Ave NW	Puyallup	98371	Jeffrey Dodd, Workplace Safety Director	(425) 921-7046
Comcast Communications Tacoma	1219 S L St	Tacoma	98405	Jeffrey Dodd, Workplace Safety Director	(425) 921-7046
Composite Solutions Corp - Sumner	14810 Puyallup ST	Sumner	98390	Arthur (Art) Sauls, President	(253) 833-1878
Cooper Tire and Rubber Co	3012 142nd Ave E Ste 300	Sumner	98390	Dave Schock, Warehouse Manager	(253) 826-5742

Pierce County Comprehensive Emergency Management Plan

Company Name	Physical Address	City	Zip Code	Facility Emergency Coordinator and Title	Phone Number
Costco Wholesale Sumner Depot #171/757	4000-B 142nd Ave E	Sumner	98390-9657	Beverly Lauerman, AGM Merchandise Services	(425) 313-2916
Costco Wholesale Sumner Depot #285/286	4000-A 142nd Ave E	Sumner	98390-9657	Beverly Lauerman, AGM Merchandise Services	(425) 313-2916
Costco Wholesale #624	10990 Harbor Hill Dr NW	Gig Harbor	98335-8945	Beverly Lauerman, AGM Merchandise Services	(425) 313-2916
Costco Wholesale #660	1209 39th Ave SW	Puyallup	98373-3803	Beverly Lauerman, AGM Merchandise Services	(425) 313-2916
Costco Wholesale #767	3900 20th St E	Fife	98424-1818	Beverly Lauerman, AGM Merchandise Services	(425) 313-2916
Costco Wholesale #95	2219 S 37th ST	Tacoma	98409-7473	Beverly Lauerman, AGM Merchandise Services	(425) 313-2916
Crown Castle USA, Inc. - Camp Murray GSM	Bldg 57 SEC	Camp	98433	Don Snyder, Regulatory Compliance Manager	(724) 416-2470
Crown Castle USA, Inc. - Fife 2 11575	2105 70th Ave E	Tacoma	98424	Don Snyder, Regulatory Compliance Manager	(724) 416-2470
Crown Castle USA, Inc. - Meeker	120 15th ST SE, STE 101	Puyallup	98372	Don Snyder, Regulatory Compliance Manager	(724) 416-2470
Crown Castle USA, Inc. - South Tacoma	8050 Tacoma Mall Blvd	Tacoma	98499	Don Snyder, Regulatory Compliance Manager	(724) 416-2470
Crown Castle USA, Inc. - Tacoma Dome	222 E 26th ST	Tacoma	98421	Don Snyder, Regulatory Compliance Manager	(724) 416-2470
Darling International Inc.	2041 Marc Ave	Tacoma	98421	William Holmes, Corporate Environmental Affairs Coordinator	(503) 289-1101
Dayton Superior Corporation	13605 52nd Street, Suite 300	Sumner	98390	Nicholas Hernandez, Service Center Manager	(253) 872-4411
Electronic Recyclers International	3901 150th Ave Ct E Ste 200	Sumner	98390	Aaron Blum, Chief Compliance Officer/Co-Founder	(559) 442-3968
Emerald Services Inc. - Alexander	1825 E Alexander Ave	Tacoma	98421	Sheila Smith, Environmental Coordinator	(206) 832-3204
Enersys Inc. - Sumner	14323 32nd ST E	Sumner	98390	Lisa Sweigert, Corp. Enviro. Comp. Spec.	(610) 208-1637
FedEx Freight Inc - Fife	3216 70th Ave S	Fife	98424	Sandy Scott, Distribution Manager	(405) 654-3112
Ferrelgas - Puyallup	426 SE 23rd St	Puyallup	98372	Shane Hunt, Operations Manager	(360) 631-3013
First Transit Inc. 55884	2310 104th ST CT S	Lakewood	98499	Nan D. Cutshall, PE, Authorized Representative	(866) 539-2077
Fleischmann's Vinegar Company Inc	1700 Steele Ave	Sumner	98390	Russ Lagattula, Plant Manager	(253) 863-9216
Fred Meyer Distribution Center	2200 Meridian	Puyallup	98371	Gary James, Safety Manager	(253) 770-6802
Frederickson Power LP	18610 50th Ave E	Tacoma	98446	Ric Chemesky, Plant Manager	(253) 846-0528
Frontier Communications Lakewood Hut	15912 45 Rd	Lakewood	98499	Masood Choudhury, Manager EH&S	(909) 620-5962
Gardner Fields - Tacoma	2240 Taylor Way	Tacoma	98421	Mike Thrasher, Environmental Safety Manager	(800) 237-1155
Gardner Fields - Tacoma	2150 Taylor Way	Tacoma	98421	Mike Thrasher, Environmental Safety Manager	(800) 237-1155
General Plastics Mfg Co	4910 Burlington Way	Tacoma	98409	Kris Stanford, Environmental/Safety Coordinator	(253) 473-5000
Georgia-Pacific Gypsum LLC	1240 Alexander Ave	Tacoma	98421	Ryan D. Hill, Environmental Manager	(541) 971-0382
Glacier Northwest Inc. - DuPont Plant	4301B Pioneer Ave	DuPont	98327	Matthew Hinck, Environmental Manager	(206) 764-3000
Glacier Northwest Inc. - Pioneer Aggregates	4301A Pioneer Ave	DuPont	98327	Matthew Hinck, Environmental Manager	(206) 764-3000
Glacier Northwest Inc. - Taylor Way Plant	3601 Taylor Way	Tacoma	98421	Matthew Hinck, Environmental Manager	(206) 764-3000
Green Mountain Coffee Roasting Inc	3324 142nd Ave N Ste 200	Sumner	98390	Mark Rogers, Director Sumner Plant Operations	(253) 447-9222
Herc Rentals - Fife	4403 20th ST E	Fife	98424	Steve Piacitelli, Branch Manager	(253) 922-3852
Heritage Crystal Clean LLC D St	1901 D St	Tacoma	98421	Sharon K Lainio, Environmental Scientist	(708) 712-1577
Heritage Crystal Clean LLC Tacoma	2212 Port of Tacoma Rd	Tacoma	98421	Sharon K Lainio, Environmental Scientist	(708) 712-1577
Intel Corporation	2800 Center DR N	DuPont	98327	Jennifer Aiston, Environmental Engineer	(978) 553-1349
J M K Fibers LLC	1440 Port of Tacoma Rd	Tacoma	98421	Dan Knight, Site Manager	(253) 620-3287
JCI Jones Chemicals Inc	1919 Marine View Dr	Tacoma	98422	James Groh, Branch Manager	(253) 274-0104
Jiffy Lube - Store 1092	605 South Sprague Avenue	Tacoma	98405	James Willis, Compliance Manager	(972) 812-7935

Pierce County Comprehensive Emergency Management Plan

Company Name	Physical Address	City	Zip Code	Facility Emergency Coordinator and Title	Phone Number
Jiffy Lube - Store 1175	13803 Pacific Avenue S	Tacoma	98444	James Willis, Compliance Manager	(972) 812-7935
Jiffy Lube - Store 2049	5912 100th Street SW	Lakewood	98499	James Willis, Compliance Manager	(972) 812-7935
Jiffy Lube - Store 2058	5121 Point Fosdick Drive NW	Gig Harbor	98335	James Willis, Compliance Manager	(972) 812-7935
Jiffy Lube - Store 2076	2218 Mildred Street W	Tacoma	98466	James Willis, Compliance Manager	(972) 812-7935
Jiffy Lube - Store 2229	19210 Hwy 410	Bonney Lake	98391	James Willis, Compliance Manager	(972) 812-7935
Jiffy Lube - Store 2576	12208 Meridian Street E	Puyallup	98373	James Willis, Compliance Manager	(972) 812-7935
Jiffy Lube - Store 2630	3912 South Meridian	Puyallup	98373	James Willis, Compliance Manager	(972) 812-7935
Jiffy Lube - Store 2755	823 Meridian Avenue E	Edgewood	98371	James Willis, Compliance Manager	(972) 812-7935
Jiffy Lube - Store 2813	22221 Mountain Hwy E	Spanaway	98387	James Willis, Compliance Manager	(972) 812-7935
Jiffy Lube - Store 3062	18315 SR 410 E	Bonney Lake	98391	James Willis, Compliance Manager	(972) 812-7935
Jiffy Lube - Store 3175	1095 Center Drive	DuPont	98327	James Willis, Compliance Manager	(972) 812-7935
Jiffy Lube - Store 3178	4670 Pacific Hwy E	Fife	98424	James Willis, Compliance Manager	(972) 812-7935
Jiffy Lube - Store 888	7056 Pacific Avenue SE	Tacoma	98408	James Willis, Compliance Manager	(972) 812-7935
Jiffy Lube - Store 983	5310 - 100th Street SW	Lakewood	98499	James Willis, Compliance Manager	(972) 812-7935
Kellogg Snacks - Sumner	2201 140th Ave E, Ste 800	Sumner	98390	Roger Kilstrom, DC Manager	(253) 826-3070
Kik Tacoma Inc	2001 B Thome Road	Tacoma	98421	Michael Silverton, Plant Manager	(253) 572-7181
Laserfab Inc.	5406 184th St E Bldg D	Puyallup	98375	Larry Olson, Vice President	(253) 846-8370
Level 3 Communications - Puyallup	5308 187th St E	Puyallup	98375	Bob Gurdikian, Env. Project Manager	(720) 888-0676
Lineage Logistics LLC Tacoma	2302 Milwaukee Way	Tacoma	98421	Clinton Geise, Regional Maintenance Manager	(253) 377-2841
Lowes - Bonney Lake (Store 2895)	19911 South Prairie Road E	Bonney Lake	98391	Bobbi Tenborg, Hazmat Manager	(704) 758-2955
Lowes - Lakewood (Store 2895)	5115 100th St SW	Lakewood	98499	Bobbi Tenborg, Hazmat Manager	(704) 758-2955
Lowes - Puyallup (Store 2734)	3511 5th St SW	Puyallup	98374	Bobbi Tenborg, Hazmat Manager	(704) 758-2955
Manke Lumber Co	13702 Stewart Rd	Sumner	98390	Craig McNeil, Treating Engineer	(253) 863-4495
Masco Petroleum Pacific Pride	12605 Pacific Hwy SW	Lakewood	98499	Ron Beach, Compliance Manager	(360) 580-1799
MBM Inc DC 57	4103 West Valley Highway Bldg 7	Sumner	98390	Drewe Abel, Jr., Administer	(252) 450-4408
McFarland Cascade Pole and Lumber Co	1640 E Marc Ave	Tacoma	98421	Edward Smith, Sr Environmental Manager	(253) 572-3033
Medline Industries - B75 Sumner	4800 East Valley Hwy	Sumner	98390	Rebecca Brown, EHS Manager	(857) 949-5500
Milgard Mfg Inc - Pultrusion	2935 70th Ave E	Tacoma	98424	Dave Buffelen, EHS Manager	(253) 330-0350
Milgard Vinyl Extrusion	1001 54th Ave E	Fife	98424	Dave Buffelen, EHS Manager	(253) 330-0350
MK Battery	108003 A MK S Tacoma Way	Lakewood	98499	Christ Webb, Logistics	(443) 579-1006
Multicare Health System - Allenmore Hospital	1901 S Union Ave	Tacoma	98411	Jack Rogers, MHS Safety Officer	(253) 403-2084
Multicare Health System - Good Samaritan Hospital	407 17th Ave SE	Puyallup	98372	Jack Rogers, MHS Safety Officer	(253) 403-2084
Multicare Health System - Multicare Medical Center	315 Martin Luther King Way	Tacoma	98415	Jack Rogers, MHS Safety Officer	(253) 403-2070
Mutual Materials Co - Bridgeport Branch	5915A 75th St W	Lakewood	98467	Sandy Scott, Distribution Manager	(425) 455-2869
Mutual Materials Co - Lakewood Block Plant	5915B 75th St W	Lakewood	98467	Bryce Gray, Manufacturing Engineer	(208) 345-1584
Mutual Materials Co - Parkland Branch	2201 112th St S	Tacoma	98444	Ron Willis, Branch Manager	(425) 455-2869

Pierce County Comprehensive Emergency Management Plan

Company Name	Physical Address	City	Zip Code	Facility Emergency Coordinator and Title	Phone Number
Northwest ETCH Technology Inc. - Tacoma	2601 S Hood Street	Tacoma	98409	Ray Swift, President	(253) 579-5589
Northwest Pipeline - Fredrickson Meter Station	5120 192nd St E	Fredrickson	98375	Derek Forsberg, Environmental Specialist	(801) 584-6748
Northwest Pipeline - N Tacoma Meter Station	SEC 7 T20N R5E Lat: 47 14 8 Long: 122 13 31	Pierce County	0	Derek Forsberg, Environmental Specialist	(801) 584-6748
Northwest Pipeline - N Tacoma Odorant Fac.	2300 Lakeland Hills Way	Bonney Lake	98391	Derek Forsberg, Environmental Specialist	(801) 584-6748
Northwest Pipeline - S Tacoma Meter Station	SEC 31 T19N R4E Lat: 47 5 45 Long: 122 20 57	Pierce County	0	Derek Forsberg, Environmental Specialist	(801) 584-6748
Northwest Pipeline - Sumner Compressor Station	3104 166th Ave E	Sumner	98390	Derek Forsberg, Environmental Specialist	(801) 584-6748
Northwest Steel and Pipe Inc. - Proctor	4802 S Proctor	Tacoma	98409	Brian Wax, SEC	(253) 473-8888
NUCO2 Supply LLC Tac Depot	9718 40th Ave SW	Lakewood	98499	Patrick Woelfel, Director of Fleet & Safety	(360) 831-2318
Olympic Chemical Corp	1002 E D Street	Tacoma	98421	Geoff Black, Branch Ops Supervisor	(253) 572-4215
Olympic Pipeline Company - Tacoma Delivery Facility	706 East F Street	Tacoma	98421	Kelli Gustaf, Environmental Coordinator	(206) 351-1786
Owens and Minor Distribution Inc.	4301 W Valley Hwy, Suite 300	Sumner	98390	Tier II Contact: Scott Smith, General Manager FAC: Clint Currington, Warehouse Manager	(253) 863-1855
Pabco Roofing Products	1718 Thorne Rd	Tacoma	98421	Andy Williams, Plant Manager	(253) 284-1215
Pacific Functional Fluids	2244 Port of Tacoma Rd	Tacoma	98421	Mike Larsen, Operations Manager	(253) 284-4302
Pacific Northwest Terminal	1749 Marine View Drive	Tacoma	98422	Jesse McCullough, Environmental Manager	(206) 832-3236
Pacific Recycling Tacoma	18727 38th Ave E	Tacoma	98446	Kirby Famer, HSET Director	(253) 846-2640
Parkland Light & Water Facility - 116th ST S & 8th Ave CT S	116th ST S & 8th Ave CT S	Tacoma	98444	Dale Budzinski, Water Superintendent	(253) 531-5666
Parkland Light & Water Facility - 128th ST	926 128th ST E	Tacoma	98444	Dale Budzinski, Water Superintendent	(253) 531-5666
Parkland Light & Water Facility - A Street	11811 A Street	Tacoma	98444	Dale Budzinski, Water Superintendent	(253) 531-5666
Parkland Light & Water Facility - Golden Given RD E	14502 Golden Given Road E	Tacoma	98444	Dale Budzinski, Water Superintendent	(253) 531-5666
Parkland Light & Water Facility - Park Ave S	12918 Park Ave S	Tacoma	98444	Dale Budzinski, Water Superintendent	(253) 531-5666
Parkland Light & Water Facility - Spanaway Loop RD	12622 Spanaway Loop RD S	Tacoma	98444	Dale Budzinski, Water Superintendent	(253) 531-5666
Parkland Light & Water Facility - Yakima Ave	14204 Yakima Ave S	Tacoma	98444	Dale Budzinski, Water Superintendent	(253) 531-5666
PCC Logistics - Tacoma	2602 Port of Tacoma Rd	Tacoma	98421	Bonnie Geray, Business Unit Manager	(253) 922-2423
Penske Truck Leasing Co LP Spanaway	19700 38th Ave E	Spanaway	98387	Brian Yazemboski, Manager Environmental Services	(610) 603-8450
Penske Truck Leasing Co LP Sumner	2222 Tacoma Ave	Sumner	98390	Brian Yazemboski, Manager Environmental Services	(610) 603-8450
Penske Truck Leasing Co LP Tacoma	1460 Thorne Rd	Tacoma	98421	Brian Yazemboski, Manager Environmental Services	(610) 603-8450
Pepsi Beverages Co Tacoma	3101 S Pine St	Tacoma	98409	Mike Southard, Warehouse Manager	(253) 207-6001
Petroleum Reclaiming Service	3003 Taylor Way	Tacoma	98421	Tom Smith, President	(253) 383-4175
Pexco LLC - Tacoma	3110 70th Ave E	Tacoma	98424	Steven Andrews, Plant Manager	(253) 284-8000
Phillips 66 Tacoma North	520 E D St	Tacoma	98421	Bob Ayers, Facility Supervisor	(253) 207-5566
Phillips 66 Tacoma South	520 E D St	Tacoma	98421	Bob Ayers, Facility Supervisor	(253) 207-5566
Pierce County Parks Rec Sprinkler Rec Ctr	14824 S C St	Tacoma	98444	Kyle Wintermute, General Manager	(253) 708-4015
Pierce Transit	3701 96th ST SW	Lakewood	98499	Jason Hovde, Safety Officer	(253) 589-6371
Pioneer Builders Supply Co. - Tacoma	5401 S Burlington Way	Tacoma	98409	Anastasia Dolotov, Risk Management Associate	(916) 631-6531
Port of Tacoma USA	802 Port Center Road	Tacoma	98421-3800	Ricardo Charlton, Director, Equipment Maintenance	(253) 428-8692
Praxair Distribution Inc. - Tacoma	480 E 19th ST	Tacoma	98421	Hassan Booker, Operation Director	(253) 620-1665
Praxair Inc. - Fife	2902 20th ST E	Fife	98424	Jeff Bartram, S & ES Field Specialist	(253) 926-7266
Pregis Corps	1801 132nd Ave E	Sumner	98390	Iram Rashid, Technical Services Engineer	(559) 651-0951

Pierce County Comprehensive Emergency Management Plan

Company Name	Physical Address	City	Zip Code	Facility Emergency Coordinator and Title	Phone Number
Progress Rail Services	4012 SR 509 S Frontage Rd	Tacoma	98421	Greg Seifert, EHS Manager	(253) 896-3035
PSE Alpac Substation	512 1st Ave N	Algona	98001	Anna Lavik, Sr Regulatory Compliance Analyst	(425) 462-3822
PSE Gig Harbor LNG Facility	9410 54th Ave NW	Gig Harbor	98332	Anna Lavik, Sr. Reg. Compliance Analyst	(425) 462-3822
PSE Greenbank Substation	3805 Firehouse Rd	Greenbank	98253	Anna Lavik, Sr Regulatory Compliance Analyst	(425) 462-3822
Puget Sound Energy - Crystal Mountain Generating Station	6 MI Off HWY 410 Up Crystal MT BLVD	Greenwater	98022	Anna Lavik, Sr. Reg Compliance Analyst	(425) 462-3822
Puget Sound Energy - Frederickson Generating	4714 192nd ST E	Tacoma	98446	Anna Wingfield, Sr. Reg Compliance Analyst	(425) 462-3822
Puget Sound Energy - Gig Harbor LNG Facility	9410 54th Ave NW	Gig Harbor	98332	Anna Wingfield, Sr. Reg Compliance Analyst	(425) 462-3822
Puget Sound Energy - Greenwater Substation	17525 Mountain Side DR E	Enumclaw	98022	Anna Wingfield, Sr. Reg Compliance Analyst	(425) 462-3822
Puget Sound Energy - N Tacoma Gate Station	24th ST E and E Valley Hwy	Sumner	98390	Anna Wingfield, Sr. Reg Compliance Analyst	(425) 462-3822
Puget Sound Energy - White River Transmission Substation	2120 Lakeland Hills Way	Bonney Lake	98391	Anna Wingfield, Sr. Reg Compliance Analyst	(425) 462-3822
Quikrete Northwest Tacoma	1420 Port of Tacoma Road	Tacoma	98421	Byron Ehmann, Plant Manager	(253) 396-9996
Rainier Plywood Co	624 E 15th St	Tacoma	98421	Shawn Oday, Vice President	(253) 383-5533
Scotts Lawnservice 949 - Puyallup	922 Valley Ave NW, Suite 107	Puyallup	98371	Maria Thompson, EHSS Manager	(927) 243-4659
Shining Ocean - Sumner	1515 Puyallup Street	Sumner	98390	Melissa Spring, SS Project Coordinator	(206) 719-1591
Shore Terminals, LLC	250 East D Street	Tacoma	98421	Rick Herzog, Terminal Manager	(253) 627-5711
Snider Petroleum Lubricant Warehouse	13401 Valley Ave E	Sumner	98390	Mike Snider, Vice President	(253) 666-3894
Sonoco Products Co Sumner	1802 Steele Ave	Sumner	98390	Mike Wetzel, Production Coach	(253) 863-6366
Southern Wine and Spirits - Puyallup	1025 Valley Ave NW	Puyallup	98371	Bob Bailey, Director of Logistics	(253) 200-3513
Spanaway Water Company - Well 3	17416 5th Ave E	Spanaway	98387	Dwayne Farmer, Water Program Manager	(253) 875-5232
Spanaway Water Company - Well 9	15811 22nd Ave E	Spanaway	98387	Dwayne Farmer, Water Program Manager	(253) 875-5232
Specialized Pavement Marking	14329 32nd St E	Sumner	98390	Tyler Pierce, General Manager	(253) 885-0420
Specialty Products, Inc.	2410 104th ST CT S, Suite D	Lakewood	98499	Darryl Genest, QC/EH&S Manager	(253) 596-5051
Sprint Communications - CO Tacoma Switch	2210 S 35th ST	Tacoma	98409	Thomas Lau, EHS Area Manager	(925) 380-2253
St Joseph Medical Center	1717 S J St	Tacoma	98405	Patrick O'Neil, Facilities Manager	(253) 426-4213
Stericycle	1701 E Alexander Ave	Tacoma	98421	Keith Lund, Compliance Manager	(425) 227-6120
Suburban Propane	18901 Pacific Ave S	Spanaway	98387	Chantel Roliman, Manager	(253) 846-3797
Sunbelt Rentals - Facility PC344	3901 Pacific Hwy E	Fife	98424	Mike Crouch, Director of Environmental Compliance	(803) 578-5912
Sunbelt Rentals - Facility PC348	2257 Lincoln Ave	Tacoma	98421	Mike Crouch, Director of Environmental Compliance	(803) 578-5912
Supervalu Inc Tacoma	1525 E D St	Tacoma	98421	Dean Fredrickson, Director, Environmental Affairs	(208) 395-4986
Supervalu Meat Tacoma	475 E 19th	Tacoma	98421	Dean Fredrickson, Director, Environmental Affairs	(208) 395-4986
Supervalu Vehicle Maintenance Tacoma	490 E 19th	Tacoma	98421	Dean Fredrickson, Director, Environmental Affairs	(208) 395-4986
Swift Transportation Sumner	4720 142nd Ave E	Sumner	98390	Eric Tidquist, Environmental Engineer	(901) 372-7962
Tacoma City North End WWT Plant 3	4002 N Waterview	Tacoma	98407	Jody Bratton, ES/O&M Asst Div Mgr	(253) 502-2188
Tacoma City WWT Plant 1	2201 Portland Ave	Tacoma	98421	Jody Bratton, ES/O&M Asst Div Mgr	(253) 502-2188
Tacoma DPU 214th Ave E Pump Station	11617 214th Ave E	Sumner	98390	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma DPU Beltline Div	2601 SR 509 North Frontage Rd	Tacoma	98421	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma DPU Hood St Reservoir	3110 S I St	Tacoma	98408	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma DPU La Grande Dam	46502 Mountain Hwy E	La Grande	98348	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma DPU Loveland Center	3002 224th St E	Graham	98446	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma DPU McMillin Reservoir	12650 Reservoir Rd	Puyallup	98314	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma DPU Pearl Station	2402 N Pearl	Tacoma	98406	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma DPU Southwest Substation	4102 S 74th St	Tacoma	98409	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma DPU Utilities Ctr	3628 S 35th St	Tacoma	98409	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602

Pierce County Comprehensive Emergency Management Plan

Company Name	Physical Address	City	Zip Code	Facility Emergency Coordinator and Title	Phone Number
Tacoma Pierce County Health Department (TPCHD)	3629 S D Street	Tacoma	98418	Gina Shackelford, Sr. Purchasing Agent	(253) 798-3536
Tacoma Public Utilities Canyon Substation	4712 180th St E	Tacoma	98446	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma Public Utilities Cowlitz Substation	8202 46th Ave E	Tacoma	98446	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma Public Utilities Cushman Substation	3713 19th St N	Tacoma	98407	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma Public Utilities F Street Substation	1013 F St	Tacoma	98421	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma Public Utilities Fife Substation	1802 58th Ave E	Fife	98424	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma Public Utilities McChord Substation	12415 47th Ave SW	Tacoma	98446	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma Public Utilities Milwaukee Substation	709 26th St E	Tacoma	98421	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma Public Utilities Mountain Substation	26209 Mountain Hwy	Spanaway	98387	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma Public Utilities NE Substation	2431 E Alexander	Tacoma	98421	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma Public Utilities Pioneer Substation	605 Alexander Ave E	Tacoma	98421	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Tacoma Public Utilities St Paul Substation	801 Portland Ave	Tacoma	98421	Michael Rhubright, Sr Environmental Specialist	(253) 502-8602
Targa Sound Terminal LLC	2628 Marine View DR	Tacoma	98422	Matthew Kolata, EH&S Specialist	(253) 272-9348
The Home Depot Store #4747	121 Military Rd E	Tacoma	98445	Michelle O'Brien, SR Specialist Regulatory Compliance	(770) 443-8211
Thermo Fluids Inc. - Sumner 29th ST Warehouse	14221 29th ST E, Suite 101	Sumner	98390	Jesse McCullough, Environmental Compliance Manager	(206) 437-5689
Thermo Fluids Inc. - Sumner Tank Farm	1517 Pease Ave	Sumner	98390	Jesse McCullough, Environmental Compliance Manager	(206) 437-5689
Thyssenkrupp Industrial Svcs Ken Mac Metals	2200 N 140th Ave E	Sumner	98390	Steve Hilton, Safety Manager	(440) 545-9068
Toray Composites America	19002 50th Ave E	Tacoma	98446	Stephanie Sears, Environmental Manager	(253) 846-1777
Toray Composites America	19002 50th Ave E	Tacoma	98446	Stephanie Sears, Environmental Compliance Specialist	(253) 846-1777
TOTE Maritime Alaska	500 Alexander Ave	Tacoma	98421	Paul Vierela, HSE Specialist	(253) 238-8542
Tractor Supply Co DC 400 Lakewood	9314 47th Ave SW	Lakewood	98499	Mark Passmore, General Manager	(253) 576-1659
Trident Seafoods Corp	401 Alexander Ave Bldg 592	Tacoma	98421	Stephen Hochberg, Environmental Specialist	(206) 783-3818
TruGreen Chemlawn - Puyallup	402 Valley Ave NW	Puyallup	98371	Michael Beyer, Branch Manager	(253) 435-1347
Unifirst Corp - Puyallup	1025 North Levee Road	Puyallup	98371	Sarah White, Environmental Compliance	(603) 493-9605
United States Postal Service Vehicle Maintenance	3825 Warner St S	Tacoma	98409	Oskar T. Martinez, Manager Vehicle Maintenance	(253) 320-7245
UPS Pacific	244 Roy Road SE	Pacific	98047	Treair Smith, Environmental Coordinator	(206) 621-6380
UPS Supply Chain Solutions - WAFIE FIFE	3424 Freeman RD E, Suite 100	Fife	98424	Juan Carlos Gomez, District Environmental Coordinator	(619) 692-3677
UPS Supply Chain Solutions - WAPYP	1414 Valley Ave NW, Suite 200	Puyallup	98371	Juan Carlos Gomez, District Environmental Coordinator	619-692-3677
US Oil and Refining CO	3001 Marshall Ave	Tacoma	98421	Ty Gaub, Environmental Manager	(253) 383-1651
Verizon Wireless Burris Field	Intersection of DuPont Steilacoom Hwy and East Drive	Fort Lewis	98433	Susan Calderon, EPCRA Project Manager	(908) 626-6229
Verizon Wireless Cramer	6171 Flora Rd	JBLM	98433	Susan Calderon, EPCRA Project Manager	(908) 626-6229
Verizon Wireless Crystal Ridge CRSTLRDG	Grubstake Peak	Crystal Mountain	98022	Susan Calderon, EPCRA Project Manager	(908) 626-6229
Verizon Wireless Fife	4501 Pacific Hwy E	Fife	98424	Susan Calderon, EPCRA Project Manager	(908) 626-6229
Verizon Wireless Fircrest	2221 70th Ave West	Tacoma	98466	Susan Calderon, EPCRA Project Manager	(908) 626-6229
Verizon Wireless Fort Lewis	Atop Donovan Hill Ft Lewis Army Base	Fort Lewis	98433	Susan Calderon, EPCRA Project Manager	(908) 626-6229
Verizon Wireless Indian Hill	4917 37th St NE	Tacoma	98422	Susan Calderon, EPCRA Project Manager	(908) 626-6229
Verizon Wireless Norpoint 28th St	6202 28th St NE	Tacoma	98442	Susan Calderon, EPCRA Project Manager	(908) 626-6229
Verizon Wireless Pipeline Auburn	1919 Lakeland Hills Way East	Auburn	98390	Susan Calderon, EPCRA Project Manager	(908) 626-6229
Verizon Wireless Steilacoom	11009 Guthrie Rd	Anderson Island	98303	Susan Calderon, EPCRA Project Manager	(908) 626-6229

Pierce County Comprehensive Emergency Management Plan

Company Name	Physical Address	City	Zip Code	Facility Emergency Coordinator and Title	Phone Number
Verizon Wireless Tacoma MSC North Tacoma Cell Site	948 S Grant St	Tacoma	98491	Susan Calderon, EPCRA Project Manager	(908) 626-6229
Verizon Wireless Tacoma MSC North Tacoma Cell Site	948 S Grant St	Tacoma	98491	Susan Calderon, EPCRA Project Manager	(908) 626-6229
Verizon Wireless WATA Everest College	1944 Pacific Ave	Tacoma	98402	Susan Calderon, EPCRA Project Manager	(908) 626-6229
Verizon Wireless WATA manitou Park	6822 S Tacoma Wa	Tacoma	98409	Susan Calderon, EPCRA Project Manager	(908) 626-6229
Verizon Wireless WATA Tacoma General	220 Tacoma Ave S	Tacoma	98402	Susan Calderon, EPCRA Project Manager	(908) 626-6229
WA DFW Minter Creek Hatchery	12710 124th Ave Ct KPN	Gig Harbor	98329	Deirdre J. Bissonnette, Fish Hatchery Spec 4	(253) 857-5077
WA DOC Center for Women	9601 Bujacich Rd NW	Gig Harbor	98332	Bryan Necessary, Safety Officer II	(253) 858-4661
Western Distribution Services Warehouse 5	1601 Industrial Parkway	Puyallup	98371	John Naylor, President	(425) 891-8192
Western Wood Preserving Co.	1310 Zehnder St	Sumner	98390	Michael Reimer, President	(253) 863-8191
Westrock CP LLC	801 E Portland Ave	Tacoma	98421	Karl Schumacher, Environmental Manager Nathan Pearson, Environmental Engineer	(253) 596-0266
Wilcox Dairy Farms, LLC	40400 Harts Lake Valley RD	Roy	98580	Jim Mahon, QA Supervisor	(360) 458-6556
Wingfoot Commercial Tire Systems 195	2210 South C Street	Tacoma	98402	Mike Muzychenko, EHS Manager	(330) 796-6223
WS DOT Alder	SR 7 MP 22 Northside	Alder	98301	Carlen Volk, Hazmat Specialist	(360) 705-7861
WS DOT Lakeview	11211 41st Ave SW	Lakewood	98499	Carlen Volk, Hazmat Specialist	(360) 705-7861
WS DOT Willows	10401 Meridian Ave S	Puyallup	98371	Carlen Volk, Hazmat Specialist	(360) 705-7861
WSP Tacoma	2502 112th ST E	Tacoma	98445	Carlen Volk, Hazmat Specialist	(360) 705-7861
XPO Logistics Freight Inc. UTA	7211 28th ST E	Fife	98424	Jeff Sexten, Manager of Environmental Compliance	(734) 757-1657
YRC Freight 873	2807 70th Ave E	Fife	98424	Shawn Wilson, Terminal Manager	(253) 922-5277

Appendix C – Incident Command Agency

Jurisdiction	Designee	Contact
Bonney Lake	East Pierce Fire & Rescue	253 863-1800
Buckley	Buckley Fire Department	360 829-1441
Carbonado	Carbonado Fire Department	360 829-0806
DuPont	DuPont Fire Department	253 964-8414
Edgewood	East Pierce Fire and Rescue	253 863-1800
Eatonville	Eatonville Fire & EMS	360 832-6931
Fife	Tacoma Fire Department	253 591-5737
Fircrest	Tacoma Fire Department	253 591-5737
Gig Harbor	Gig Harbor Fire & Medic One	253 851-3111
Lakewood	West Pierce Fire & Rescue	253 564-1623
Milton	East Pierce Fire and Rescue	253 863-1800
Orting	Orting Valley Fire & Rescue	360 893-2221
Port of Tacoma	Tacoma Fire Department	253 591-5737
Puyallup	Central Pierce Fire and Rescue	253 538-6400
Roy	South Pierce Fire & Rescue	253 847-4333
Ruston	Ruston Fire Department	253 235-3473
South Prairie	East Pierce Fire and Rescue	253 863-1800
Steilacoom	West Pierce Fire and Rescue	253 564-1623
Sumner	East Pierce Fire and Rescue	253 863-1800
Tacoma	Tacoma Fire Department	253 591-5737
University Place	West Pierce Fire & Rescue	253 564-1623
Wilkeson	East Pierce Fire and Rescue	253 863-1800
Unincorporated Pierce County	Washington State Patrol or Contracted Fire Dept	253 798-7470
Pierce County Fire Protection District #3	West Pierce Fire & Rescue	253 564-1623
Pierce County Fire Protection District #5	Gig Harbor Fire & Medic One	253 851-3111
Pierce County Fire Protection District #6	Central Pierce Fire & Rescue	253 538-6400
Pierce County Fire Protection District #10	Tacoma Fire Department	253 591-5737
Pierce County Fire Protection District #13	Brown's Point-Dash Point Fire Department	253 952-4776
Pierce County Fire Protection District #14	Riverside Fire & Rescue	253 922-5644
Pierce County Fire Protection District #16	Key Peninsula Fire & Rescue	253 884-2222
Pierce County Fire Protection District #17	South Pierce Fire & Rescue	253 847-4333
Pierce County Fire Protection District #18	Orting Valley Fire & Rescue	360 893-2221
Pierce County Fire Protection District #21	Graham Fire & Rescue	253 847-8811
Pierce County Fire Protection District #22	East Pierce Fire & Rescue	253 863-1800
Pierce County Fire Protection District #23	Ashford Elbe Fire	360 569-2752
Pierce County Fire Protection District #25	Washington State Patrol	360-596-4000
Pierce County Fire Protection District #26	Washington State Patrol	360 596-4000
Pierce County Fire Protection District #27	Anderson Island Fire & Rescue	253 884-4040

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. The decision to shelter-in-place versus evacuate will be made by the Incident Commander, in consultation with a hazardous materials technician or specialist, when possible. Once the decision to shelter-in-place is made, the incident commander (or designee) will instruct the affected population to shelter-in-place. This notification will be made using all means of communication available.

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 try to leave the building.
- Do not use the telephone unless you have an emergency.
- Listen to 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 the public take 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. Uninformed, self-evacuees could frustrate response operations and compromise the traffic control plan.

The IC or designee 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.
- Carpool 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 in conjunction with Pierce County Public Works Washington State Department of Transportation, and Washington State Patrol if needed.

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. It is also an excellent alternative for institutions such as hospitals and those housing the elderly. Pierce Transit can be dispatched to support an evacuation order when authorized/notified by PCEM. School buses can be used to augment the overall evacuation once students at risk have been evacuated.
- **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 all 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 outside Pierce County may be required to accommodate the special needs population, hospital patients or jail/prison inmates.

Pierce County Citizen Corps, in conjunction with the American Red Cross, Salvation Army and other VOADs operates shelters/reception centers in Pierce County. The services provided in these shelters/reception centers will be in accordance with ESF 6 – Mass Care, Emergency Assistance, Housing and Human Services of the Pierce County Comprehensive Emergency Management Plan.

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 Pierce County EOC 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.

Sample Evacuation Warning Message

ATTENTION! (Lead law enforcement/Executive/Mayor /City Manager) of _____, and the _____ Fire Department/District have issued the following emergency bulletin at (time) this morning/afternoon/evening: A chemical leak of _____ occurred at (time) this morning/afternoon/evening at location. This is a highly poisonous chemical and you are in immediate danger if exposed. No leak of the chemical is occurring at this time, I repeat there is no leak at this time, but a leak is possible while workers repair _____. You are directed to follow these emergency instructions now!

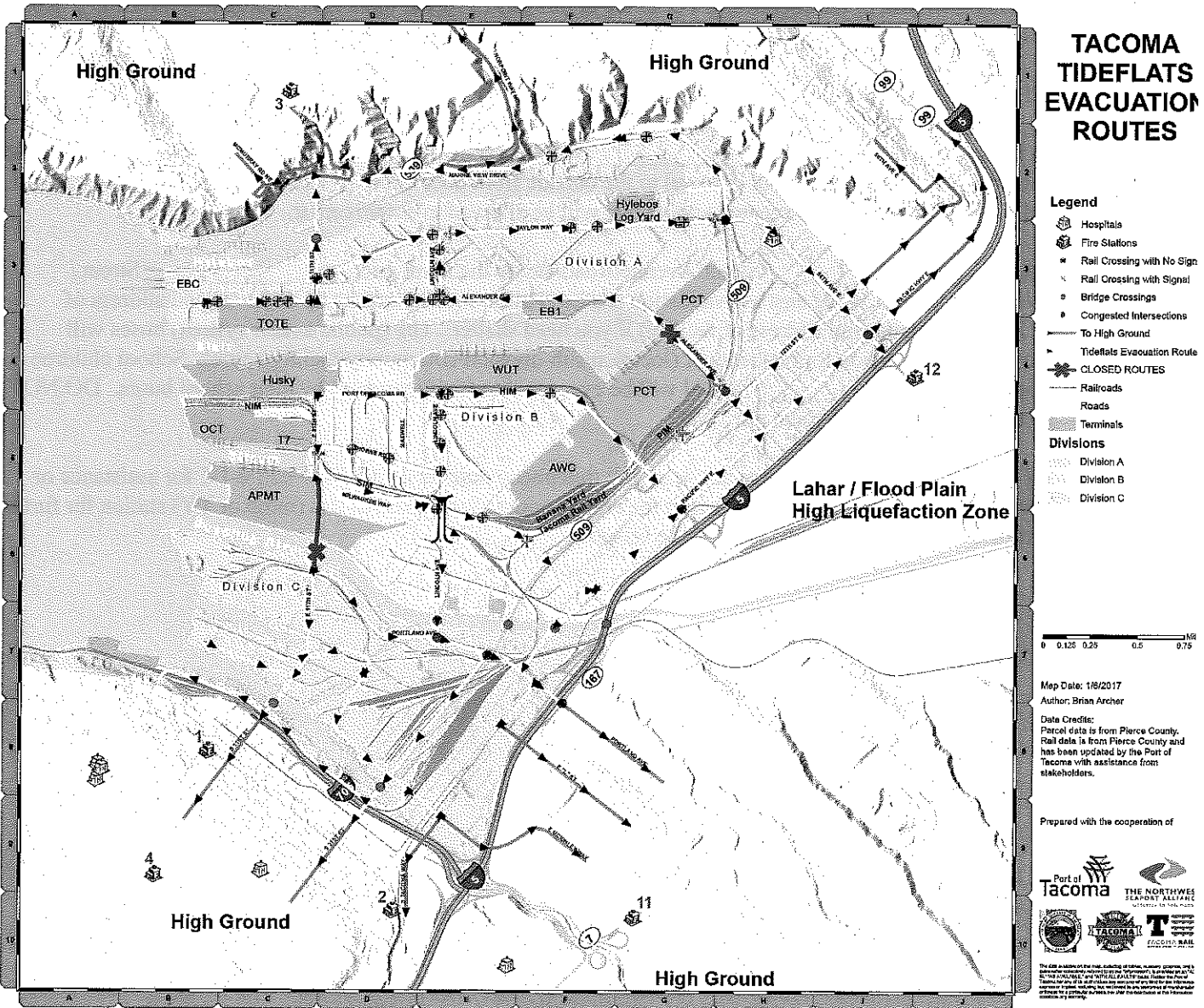
All persons within the area bounded by _____ Street/Avenue/Road/etc. on the north, _____ Street/Avenue/Road /etc. on the east, _____ Street/Avenue/Road/etc. on the south and _____ Street/Avenue/ road/etc. on the west are directed to evacuate immediately. Tie a white cloth or towel to the outside front door knob to indicate the premises are vacated. Police will secure the area vacated and no one will be allowed to enter/reenter.

Use _____ Street/Avenue/Road/etc. to the north and _____ Street / Avenue /Road/etc. to the east as evacuation routes. Public shelters are set up at (name and address of facility) and (name and address of facility) if you need shelter. The (public transit system) buses will provide transportation for residents of (location/sub-division/community/facility name). School children from _____ School will be evacuated to (facility name) by their school buses. DO NOT go to the school to pick them up.

If you need transportation or special help, call (telephone number). DO NOT call 9-1-1 for assistance or information. Emergency workers are in the area to assist. Stay tuned to this (radio or TV) station for further instructions and for the "All Clear" to be issued.

Appendix E Precautionary Evacuation Plans

Evacuation routes for Tier Two companies located within the Tacoma Tide Flats. Map include directional flow of traffic for evacuation, closed roads, and rail lines. Also included are location of fire stations and hospitals which may be utilized or impacted in a hazard materials incident.



Appendix F Reported Tier Two Facilities, Schools, and Medical Facilities in Liquefaction Areas



Note: This map does not represent all reported Tier Two facilities in Pierce County but only for the area included in the boundaries of the map. The area was chose to display as it contains the greatest population densities with geographic respect to quantities of Tier Two Facilities.

Appendix G – Response Resources

FACILITY / AGENCY	EQUIPMENT	CONTACT	PHONE #
<p>Pierce County Hazard Incident Team (PCHIT)</p> <p>Includes Equipment from:</p> <p>Graham Fire & Rescue</p> <p>Central Pierce Fire & Rescue</p> <p>East Pierce Fire & Rescue 22</p> <p>West Pierce & Rescue #3</p> <p>Gig Harbor Fire District #5</p>	<p>4 HAZMAT Vehicles (Apparatus HM 59, HM 69, HM 21, HM 94), 72 techs</p> <p>Mass Decon Shelter -1</p> <p>HAZMAT ID Ranger (HM 21)</p> <p>HAZMAT 360 w/Ramen detection (HM 69)</p> <p>Gas ID (HM 69)</p> <p>Air Monitors w/PIDs-8 (HM 21, 59, 69)</p> <p>CL2 Monitors -2 (HM 59, 69)</p> <p>NH3 Monitors -2 (HM 59, 69)</p> <p>Radiation Geiger Counters</p> <p>Ludlum Rad Meter - 4</p> <p>Thermo FH40-2</p> <p>Telemetry for all meters</p> <p>LCD 3.3 – 2 , Chemical warfare agent monitor (HM 59, 69)</p> <p>Inflatable Shelters w/ Showers</p> <p>Weather Stations -2 (HM 21, 69)</p> <p>Decon Kits</p> <p>Leak kits</p> <p>Level A & Level B Suits + Tyveks</p> <p>SCBAs</p> <p>Generators</p> <p>Gator</p> <p>PCs/Printer/</p> <p>A, B, & C Chlorine Kits (HM 21, 69)</p> <p>Kelso ERK - 2</p> <p>Absorbent booms/pads</p> <p>Chemical Engineer (EPF&R)</p> <p>Encrypted Communications</p> <p>Overpacks</p>	<p>Chief Pat Dale pdale@grahamfire.org</p>	<p>Office – 253-847-8811</p> <p>Cell – 360-6284406</p>
<p>Tacoma Fire Department</p>	<p><u>Station 12:</u> Heavy duty 35 ft HAZMAT/WMD Response Vehicle with Advanced Detection/ Identification Capability (HM12)</p> <p>24 ft Trailer and Tow Vehicle with ATV and Level A CPC</p> <p><u>Training Center:</u> 16 ft Trailer with Dual Shelter Decon System</p> <p>Two 16 ft Trailers with 400 ft of oil containment boom</p>	<p>Fire Chief Jim Duggan jduggan@cityoftacoma.org</p> <p>or Deputy Chief Mike Mitchell mmitchel@cityoftacoma.org</p> <p>Warren Smith wsmith@cityoftacoma.org</p>	<p>(253) 591-5737</p> <p>(253) 591-5025</p>

Pierce County Comprehensive Emergency Management Plan

<p>Joint Base Lewis-McChord Fire and Emergency Services Lakewood, WA</p>	<p>HAZMAT 105</p> <p>Fully Equipped to include: HazMat ID ACE ID RAID-M100 RadSeeker JCAD Weather Station Decon Equipment Chlorine A, B, C Kits Misc Leak Control Kits</p> <p>HAZMAT Mass Decon Tractor /Trailer</p> <p>Approximately 300 per hour</p>	<p>On Duty Assistant Chief</p> <p>or</p> <p>Joint Base Emergency Communications Center</p>	<p>Office: (253) 966-2601</p> <p>(253) 912-4446</p> <p>Or</p> <p>Via FireComm</p>
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Appendix H – Training Requirements and Schedule

Hazardous materials response training requirements are governed by WAC 296-824-30005, which meets or exceeds the Occupational Safety and Health Administration (OSHA) standards in 29 CFR 1910.120. In addition, the National Fire Protection Association (NFPA) established a standard (NFPA 472) of professional competence for responders to hazardous materials incidents.

All hazardous materials incident emergency responders and workers at hazardous materials facilities, transport companies, waste treatment facilities, storage facilities and disposal facilities will be provided training which meets federal and state standards. Such training will be commensurate with their employers or organization’s plan and policies. Training records maintenance is the responsibility of each employer or organization.

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.

<p>Awareness Level</p>	<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"> •Understand what hazardous substances are and their associated risks. •Recognize the presence of hazardous substances in an emergency. •Can identify the hazardous substances, when possible. •Understand the potential consequences of hazardous substances in an emergency. •Understand the role of a first responder at the awareness level as described in: <ul style="list-style-type: none"> ○The employer's emergency response plan, including site security and control. ○The United States Department of Transportation's ERG. •Can use the ERG. •Recognize the need for additional resources and the need to notify the incident's communication center accordingly.
<p>Operations Level</p>	<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"> •Know basic hazard and risk assessment techniques.

	<ul style="list-style-type: none"> •Select and use PPE appropriate for first responder operations level. •Understand basic hazardous materials terms. •Perform basic control, containment, and/or confinement operations within the capabilities of the resources and PPE available. •Implement decontamination procedures to their level training. •Understand relevant standard operating and termination procedures.
<p>Technician Level</p>	<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"> •Implement an employer's emergency response plan. •Function within their assigned role in the incident command system. •Understand hazard and risk assessment techniques. •Understand basic chemical and toxicological terminology and behavior. •Use field survey instruments and equipment to classify, identify, and verify materials at the incident. •Select and use PPE appropriate for hazardous materials technicians. •Perform advance control, containment, and/or confinement operations within the capabilities of the resources and PPE available. •Implement decontamination procedures to their level of training. •Understand termination procedures.
<p>Specialist Level</p>	<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"> •Implement the local emergency response plan. •Know of the state emergency response plan. •Develop a site safety and control plan. •Understand chemical, radiological and toxicological terminology and behavior. •Understand in-depth hazard and risk techniques.

	<ul style="list-style-type: none"> •Use advanced survey instruments and equipment to classify, identify and verify materials at the incident. •Select and use proper specialized chemical PPE given to hazardous materials specialists. •Perform specialized control, containment and/or confinement operations within the capabilities of the resources and PPE available. •Determine decontamination procedures.
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"> •Know of the state emergency response plan and the Federal Regional Response Team. •Implement the local emergency response plan. •Implement the employer's emergency response plan. •Have knowledge of the ICS and understand how they relate to it. •Implement the employer's ICS. •Understand the hazards and risks associated with employees working in chemical protective clothing. •Understand the importance of decontamination procedures.

The awareness, operations, technician and incident command training available to Pierce County responders is found below.

Hazardous Materials Courses	Dates	Locations
HAMMER Training	April 20-22, 2018	Spokane, WA
Radiological Response	May 14-15, 2018	Puyallup, WA
Hazardous Material Instructor Course	April 10-13, 2018	Cowlitz County, WA
Standardized Awareness Training	April 17, 2018	Tacoma, WA
Highway Tanks	June 27, 2018	Pierce County
Hazardous Material Instructor Course	June 19, 2018	Ellensburg, WA

Pierce County Comprehensive Emergency Management Plan

Foam/HHFT/Rail	August 22, 2018	Pierce County
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Appendix I – Exercise Schedule

The LEPC and local responders, with assistance from PCEM, will assist in the development of an annual exercise of this plan, at a minimum, to evaluate the effectiveness and feasibility of the plan and supporting standard operating procedures as well as the readiness of response agencies, facilities, transportation companies, and the public. Transportation companies and other facilities who are not currently represented at the LEPC in exercises will also be approached to be engaged. These exercises may be discussion-based (seminars, workshops, tabletops and games) or operation-based (drills, functional, and full-scale) in order to test the full spectrum of preparedness.

PCHIT holds monthly trainings and exercises. The Regional Hazmat Working Group holds trainings and exercises for all hazmat teams in Pierce County twice annually.

Pierce County follows the Homeland Security Exercise and Evaluation Program (HSEEP) as a standard for exercise design, conduct and evaluation. As such, exercises will be documented in an after action report and corrective actions will be identified and assigned in an improvement plan.

The Pierce County hazardous material focused exercise schedule:

Type	Date(s)	Location	Exercise Details	Planner
Table Top	4/25/2018	Graham FD	TBD	PCHIT
Drill	5/14-15/2018	Puyallup Fair Grounds	Drills identifying radiological sources and decon scenarios.	Regional Hazmat Team
Table Top	7/25/2018	TBD	TBD	PCHIT
Full Scale	9/26-28/3018	TBD	TBD	PCHIT
TBD	October 2018	TBD	TBD	Regional Hazmat Team
TBD	May 2019	TBD	TBD	Regional Hazmat Team
TBD	October 2019	TBD	TBD	Regional Hazmat Team

Appendix J – Incident Report

HAZARDOUS MATERIALS INCIDENT REPORT

INITIAL CONTACT INFORMATION

(Check one): _____ REPORTED/ACTUAL INCIDENT DRILL/EXERCISE

1. Date/Time of Notification: _____ Report received by: _____
2. Reported by (name & phone number or radio call signs): _____

3. Company/agency and position (if applicable): _____
4. Incident address/descriptive location: _____

5. Agencies at the scene: _____
6. Known damage/casualties (do not provide names over unsecured communications): _____

CHEMICAL INFORMATION

7. Nature of emergency: (check all that apply)
___ Leak ___ Explosion ___ Spill ___ Fire ___ Derailment ___ Other
Description: _____

8. Name of material(s) released/placard number(s): _____
9. Release of materials:
_____ Has ended _____ Is continuing. Estimated release rate & duration: _____
10. Estimated amount of material which has been released: _____
11. Estimated amount of material which may be released: _____
12. Media into which the release occurred: _____ air _____ ground _____ water
13. Plume characteristics:
a. Direction (Compass direction of plume): _____ c. Color: _____
b. Height of plume: _____ d. Odor: _____
14. Characteristics of material (color, smell, liquid, gaseous, solid, etc) _____
15. Present status of material (solid, liquid, and gas): _____
16. Apparently responsible party or parties: _____

Note: THIS INCIDENT REPORT IS ONLY AN EXAMPLE. IT CONTAINS SOME OF THE INFORMATION REQUIRED TO REPORT AN INCIDENT TO THE SERC. Go to www.ecy.wa.gov/epcra to obtain a reporting form for businesses to submit to the SERC. This form can be used at an incident, if applicable.

ENVIRONMENTAL CONDITIONS

- 17. Current weather conditions at incident site:
Wind From: _____ Wind Speed (mph): _____ Temperature (F): _____
Humidity (%): _____ Precipitation: _____ Visibility: _____
- 18. Forecast: _____
- 19. Terrain conditions: _____

HAZARD INFORMATION
(From ERG, SDS, CHEMTREC, or facility)

- 20. Potential hazards: _____
- 21. Potential health effects: _____
- 22. Safety recommendations: _____
- 23. Recommended evacuation distance: _____

IMPACT DATA

- 24. Estimated areas/ populations at risk: _____
- 25. Special facilities at risk: _____
- 26. Other facilities with HAZMAT in area of incident: _____

PROTECTIVE ACTION DECISIONS

- 27. Tools used for formulating protective actions
 - _____ a. Recommendations by facility operator/responsible party
 - _____ b. *Emergency Response Guidebook*
 - _____ c. Safety Data Sheet
 - _____ d. Recommendations by CHEMTREC
 - _____ e. Results of incident modeling (CAMEO or similar software)
 - _____ f. Other: _____
- 28. Protective action recommendations:
____ Evacuation ____ Shelter-In-Place ____ Combination ____ No Action
____ Other _____
Time Actions Implemented

29. Evacuation Routes Recommended: _____

EXTERNAL NOTIFICATIONS

30. Notification made to:

_____ National Response Center (Federal Spill Reporting)	_____ 1-800-424-8802
_____ CHEMTREC (Hazardous Materials Information)	_____ 1-800-424-9300
_____ RRC (Oil/gas spills - production facilities, intrastate pipelines)	_____
_____ State Emergency Response Commission (state spill reporting)	_____ 1-800-258-5990
_____ SERC written follow-up forms available at— www.ecy.wa.gov/epcra ,	

31. Other Information: _____

Appendix K – Definitions

ACCIDENT SITE - The location of an unexpected occurrence, failure or loss, either at a regulated facility or along a transportation route, at which a release of listed chemicals occurs.

AEROSOL - Fine liquid or solid particles suspended in a gas such as fog or smoke.

CHEMICAL TRANSPORTATION EMERGENCY CENTER (CHEMTREC)- a centralized toll-free telephone service providing advice on the nature of chemicals and steps to be taken in handling the early stages of transportation emergencies where hazardous chemicals are involved. Upon request, CHEMTREC may contact the shipper, or manufacturer of hazardous materials involved in the incident for additional, detailed information and appropriate follow-up action, including on-scene assistance when feasible.

DECONTAMINATION - The process of making people, objects or areas safe by absorbing, destroying, neutralizing, making harmless or removing the hazardous material.

EMERGENCY - An event or set of circumstances which: (1) demands immediate action to preserve public health, protect life, protect public property, or to provide relief to any stricken community overtaken by such occurrences or (2) reaches such a dimension or degree of destructiveness as to warrant the Governor proclaiming a state of emergency pursuant to RCW 43.06.010.

EMERGENCY OPERATIONS CENTER (EOC) - The physical location at which the coordination of information and resources to support incident management (on-scene operations) activities normally takes place. An EOC may be a temporary facility or may be located in a more central or permanently established facility, perhaps at a higher level of organization within a jurisdiction. EOCs may be organized by major functional disciplines (e.g., fire, law enforcement, and medical services), by jurisdiction (e.g., federal, state, regional, tribal, city, county), or some combination thereof.

EMERGENCY SUPPORT FUNCTION (ESF) – The functional approach that groups the types of assistance a state and/or local jurisdiction is most likely to need, (e.g. mass care, health and medical services) as well as the kind of federal operations support necessary to sustain state response actions (e.g., transportation, communications). ESFs are expected to support one another in carrying out their respective missions.

EXTREMELY HAZARDOUS SUBSTANCES - These are substances designated as such by the EPA. EHS inventories above certain threshold quantities must be reported to the Washington SERC, or TERC, and local fire department pursuant to Sections 302, 304, 311 and 312 of EPCRA. EHS releases which exceed certain quantities must be reported to the National Response Center, the SERCs, TERCs, LEPCs, and local fire departments that may be affected, pursuant to EPCRA Section 304. The EHSs and pertinent, reportable quantities are listed in 40 CFR 355 and EPA Consolidated List of Lists.

FACILITY - Fixed-site required to report under EPCRA.

FULL-SCALE EXERCISE - An activity intended to evaluate the operational capability of emergency management systems in an interactive manner over a substantial period of time. It involves the testing of a major portion of the emergency plan and organizations in a highly stressful environment. It includes the mobilization of personnel and resources to demonstrate coordination and response capabilities. The SEOC is activated and field command posts may be established. A full-scale exercise is always formally evaluated.

FUNCTIONAL EXERCISE - An activity designed to evaluate the capability of individual or multiple emergency management functions. It is more complex than a tabletop exercise in that activities are usually under time constraints and are followed by an evaluation or critique. It usually takes place in some type of coordination or operating center. The use of outside resources is often simulated. No field units are used.

HAZARD - The chance that injury or harm will occur to persons, plants, animals or property.

HAZARD ANALYSIS - The use of a model or methodology to estimate the movement of hazardous materials at a concentration level of concern from an accident site, either at fixed site or on a transportation route to the surrounding area in order to determine which portions of a community may be affected by a release of such materials.

HAZARDOUS CHEMICALS OR SUBSTANCES - Chemicals, mixtures, and other chemical products determined by US Occupational Health and Safety Administration (OSHA) regulations to pose a physical or health hazard. No specific list of chemicals exists, but the existence of a Safety Data Sheet (SDS) for a substance indicates it may be reportable under EPCRA. Reporting information software and current LEPC contact information is available at <http://www.ecy.wa.gov/epcra/>.

HAZARDOUS MATERIAL - A substance in a quantity or form posing an unreasonable risk to health, safety, property, and/or environment when manufactured, stored, or transported in commerce. A substance which by its nature, containment, and reactivity has the capability for inflicting harm during an accidental occurrence, characterized as being toxic, corrosive, flammable, reactive, an irritant, or a strong sensitizer and thereby posing a threat to health and the environment when improperly managed. Hazardous materials include extremely hazardous and hazardous substances of oil and other petroleum products. Other toxic substances include some infectious agents, radiological materials and materials such as industrial solid waste substances.

HAZARDOUS SUBSTANCE - Chemicals, chemical mixtures, and other products determined by US Occupational Health and Safety Administration (OSHA) regulations to pose a physical or health hazard. No specific list of chemicals or substance exists, but the existence of a Safety Data Sheet (SDS) for a product or substance indicates it may be reportable under EPCRA regulations. Facilities that store 10,000 pounds or more of a HS at any time are required to report chemical inventories annually to the SERC, or TERC, LEPC, and local fire department in accordance with EPCRA regulations. Substances can also be designated as such by the EPA pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). HS releases above certain levels may need to be reported to the National Response Center and must be reported to the SERC, TERC, and local agencies pursuant to CERCLA, Section 304 of EPCRA, and related state regulations.

HOT ZONE - The area surrounding a particular incident site where contamination does or may occur. All unauthorized personnel may be prohibited from entering this zone.

INCIDENT COMMANDER - The IC is the overall coordinator of the response team. Responsible for on-site strategic decisions and actions throughout the response phase and maintains close liaison with the appropriate government agencies to obtain support and provide progress reports on each phase of the emergency response. Must be trained to a minimum of Operations level and certified in the Incident Command System.

INCIDENT COMMAND SYSTEM (ICS) - An all-hazards, on-scene functional management system that establishes common standards in organization, terminology and procedures. ICS provides a means (unified command) for the establishment of a common set of incident objectives and strategies during multi-agency/multi-jurisdiction operations while maintaining individual agency/jurisdiction authority, responsibility and accountability. ICS is a component of the National Interagency Incident Management Systems (NIMS).

JOINT INFORMATION CENTER (JIC) - A facility that may be used by affected utilities, state agencies, counties, local jurisdictions and/or federal agencies to jointly coordinate the public information function during all-hazards incidents.

LOCAL EMERGENCY PLANNING COMMITTEE (LEPC) - The planning body designated in the Superfund Amendments and Reauthorization Act Title III legislation as the planning body for preparing local Hazardous Materials plans.

NATIONAL RESPONSE CENTER - Interagency organization, operated by the US Coast Guard, which receives reports when reportable quantities of dangerous goods, hazardous and/or extremely hazardous substances are spilled. After receiving notification of an incident, the NRC will immediately notify appropriate federal response agencies, which may activate the Regional Response Team or the National Response Team.

ON-SCENE - The total area that may be impacted by the effects of a hazardous material incident. The on-scene area is divided into mutually exclusive on-site and off-site areas.

PLUME - A vapor cloud formation that has shape and buoyancy. The cloud may be colorless, tasteless, or odorless and may not be visible to the human eye.

PRIMARY AGENCY - An agency assigned primary responsibility to manage and coordinate a specific ESF. Primary agencies are designated on the basis of who has the most authorities, resources, capabilities or expertise relative to accomplishment of the specific Emergency Support Function (ESF) with assistance, if requested, from the EOC. An example of a primary agency is the Department of Transportation for ESF 1 - Transportation.

REGULATED FACILITY - A site where handling and transfer, processing, and/or storage of chemicals is performed. For the purposes of this document, regulated facilities produce, use, or store EHS in quantities which exceed threshold planning quantities or they store one or more HS in a quantity of 10,000 pounds or more at any one time. Facilities that meet either criterion must annually report their chemical inventories of such materials to the SERC, LEPCs, local fire department. When appropriate, the tribe must be reporting to the Tribal Emergency Response Commission (TERC).

REPORTABLE QUANTITY - The minimum quantity of hazardous substances released, discharged, or spilled that must be reported to federal, state, local and/or tribal authorities pursuant to statutes and EPCRA regulations.

RESPONSE - Actions taken immediately before, during or directly after an emergency occurs to save lives, minimize damage to property and the environment and enhance the effectiveness of recovery. Response measures include, but are not limited to: emergency plan activation, emergency alert system activation, emergency instructions to the public, emergency medical assistance, staffing the emergency operations center, public official alerting, reception and care, shelter and evacuation, search and rescue, resource mobilization and warning systems activation.

RISK MANAGEMENT PLAN - Pursuant to Section 112r of the Clean Air Act (CAA), facilities that produce, process, distribute or store certain toxic and flammable substances are required to have a RMP that includes a hazard assessment, accident prevention program, and emergency response program. A summary of the RMP must be submitted to the EPA. RMP guidance is available at <https://www.epa.gov/rmp/guidance-facilities-risk-management-programs-rmp>.

SUPPORT AGENCY - An agency designated to assist a specific primary or joint primary agency with available resources, capabilities or expertise in support of Emergency Support Function (ESF) activities under the coordination of the primary or joint primary, agency.

TABLETOP EXERCISE - An activity in which officials, key staff and/or others with emergency responsibilities gather to informally discuss simulated emergency situations. It is designed to elicit constructive discussion by the participants without time constraints. Participants evaluate plans and procedures and resolve questions of coordination and assignment of responsibilities in a non-threatening format under minimum stress.

TITLE III - Public Law 99-499, Superfund Amendment and Reauthorization Act (SARA) of 1986, Title III, Emergency Planning Community Right-to-Know Act (EPCRA), requires the establishment of state and local planning organizations, State Emergency Response Commission (SERC), a subcommittee of the Emergency Management Council, and Local Emergency Planning Committees (LEPCs) to conduct emergency planning for hazardous materials incidents. The law requires site-specific planning for extremely hazardous substances, participation in the planning process by facilities storing or using hazardous substances and notifications to the SERC or LEPC of releases of specified hazardous substances. It also provides a mechanism for information sharing on hazardous chemicals and emergency plans for hazardous chemical events to the public.

TOXIC SUBSTANCES - Toxic substances are chemical or compounds which may present an unreasonable threat to human health and the environment. Human exposure to toxic substances can cause a variety of health effects including long-term adverse health effects. Certain facilities which have 10 or more full-time employees and manufacture, process or use a toxic substance in excess of threshold amounts during the calendar year are required to submit a Toxics Release Inventory Report annually to the US EPA and the Washington SERC. A current list of substances covered, reporting guidance, and software is available at the US EPA TRI website at <https://www.epa.gov/toxics-release-inventory-tri-program>.

UNIFIED COMMAND - An application of ICS used when there is more than one agency with incident jurisdiction or when incidents cross political jurisdictions. Agencies work together through the designated members of the Unified Command, often the senior person from agencies and/or disciplines participating in the Unified Command, to establish a common set of objectives and strategies and a single Incident Action Plan.

