

Emergency Support Function 10 - Hazardous Materials

Clark County Hazardous Materials Emergency Response Plan

Clark County, Washington

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Summary of Changes

Summary of changes to the April 4, 2012 edition

Location	Change
General	Various wording and formatting changes throughout for the purposes of currency and clarity.
Pg. 3	Added Washington State Department of Transportation to the list of supporting agencies
Pg. 3-4, sec. A	Clarified related plans and removed redundant references to the NW Area Contingency Plan
Pg. 7, IV. Situation and Assumptions	Updated situation assessment to reflect current chemical inventory, EHS, and RMP information.
Pg. 9, sec. c	Updated information about warning systems (EAS and ECNS) to reflect changes and new capabilities (IPAWS/WEA).
Pg. 13, sec. (7)	Corrected follow up reporting requirement from 14 to 30 days.
Pg. 20, sec. 9	Clarified and added site monitoring information.
Pg. 25, sec 7	Consolidated description of law enforcement agency responsibilities.
Pg. 36, sec. h, WSDOT	Add responsibilities for WSDOT.
Pg. 43-44, sec. IX	Confirmed references and updated links as needed.
Appendix A – Facility Emergency Coordinators List	Replaced previous list with new list based on the 2012 tier 2 inventory reports; also now includes two points of contact.
Appendix B – Release Notification Guide	Updated and clarified several listings. Clarified surface water and wastewater contacts.
Appendix C – Hazmat Sites and Transportation Routes	Added pipeline routes. Updated Tier II and EHS sites with 2012 reporting year data.

Clark County Hazardous Materials Emergency Response Plan

Clark County Review and Approval of the Hazardous Materials Emergency Response Plan:


Chair, Local Emergency Planning Committee

2/19/14
Date


Chair, Clark County Fire Chief's Association

02/19/2014
Date

Washington State Patrol has reviewed and approved this plan. Per agency policy, the district commander is not authorized to sign plans on behalf of the agency.

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ESF – 10 HAZARDOUS MATERIALS

HAZARDOUS MATERIALS EMERGENCY RESPONSE PLAN

CLARK COUNTY, WASHINGTON

Joint Primary

Fire Agencies
Washington State Patrol

Support

American Red Cross
Clark County Amateur Radio (ARES/RACES)
Clark County Local Emergency Planning Committee
Clark County Public Health
Clark Regional Emergency Services Agency
Clean-Up Contractors
C-TRAN
Emergency Medical Services
Fire Marshal
Fixed Facilities
Georgia Pacific Mill Emergency Response Team
Law Enforcement
Local Jurisdiction Executive Heads
Medical Program Director
Medical Resource Hospital
Public Works Departments
Region 4 Hazardous Materials Response Team
Responsible Party
Southwest Clean Air Agency
Transportation Companies
United States Coast Guard
United States Environmental Protection Agency
Washington Department of Labor and Industries
Washington Poison Control Center
Washington State Department of Ecology
Washington State Department of Natural Resources
Washington State Emergency Management Division

Washington State Department of Health
Washington State Department of Transportation

I. Purpose

This plan describes the procedures and responsibilities for responding to emergency threats to life, property, and the environment caused by an unintended release of hazardous materials within the geographic area of Clark County, Washington. It provides guidance for hazardous materials incident notification and response. It also describes emergency planning and notification procedures required by Superfund Amendments and Reauthorization Act (SARA) Title III and the Emergency Planning & Community Right to Know Act of 1986, (EPCRA).

The objective of this plan is to facilitate -

- A.** Identification of vulnerable areas, sites, and facilities
- B.** Appropriate response by responders
- C.** Coordination of responders and acquisition of resources
- D.** Timely warning and notification of affected populations
- E.** Notification of agencies and jurisdictions for response and recovery

II. Scope

A. Relationship to Other Plans:

- 1.** This Hazardous Materials Emergency Response Plan (HMERP) is the annex 'Emergency Support Function #10 Hazardous Materials (ESF-10)' of the Comprehensive Emergency Management Plans (CEMP) for Clark County and its cities.
- 2.** This plan is consistent with Washington State CEMP and Federal plans.
- 3.** This uses the 'ESF format' and does not stand alone. Some components will be covered by other ESFs and other elements of the CEMP.
- 4.** This plan will also coordinate with the following plans:
 - a.** Washington State CEMP.
 - b.** Washington State CEMP, ESF10 Hazardous Materials Annex.
 - c.** National Oil and Hazardous Substances Pollution Contingency Plan ; also known as the National Contingency Plan (NCP),.

- d. The Northwest Area Contingency Plan (NWACP)
- e. Geographic Response Plans (GRPs)

B. How to Use This Plan:

1. Activation of this plan should begin if -
 - a. Casualties or injuries occur due to a hazardous materials incident.
 - b. Evacuation is necessary due to a hazardous materials incident especially outside a facility boundary.
 - c. A facility or transporter requests assistance with a hazardous materials response beyond capability of their own resources.
 - d. A facility or transporter is required to make warning, notification, or reports under the Emergency Planning and Community Right to Know Act (EPCRA) or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).
 - e. A hazardous materials release or a potential release may involve multiple jurisdictions or agencies.
2. This plan is intended to -
 - a. Outline the responsibilities and procedures for responding to threats to life, property, and the environment caused by a release of hazardous materials within the geographic area of Clark County, Washington.
 - b. Define roles and responsibilities of facilities, jurisdictions, and agencies.
 - c. Provide guidance to stakeholders.
 - d. Coordinate local response and stakeholder plans .
 - e. Be used for response, consistent to this plan, by all stakeholders.
 - f. Define agency, jurisdiction, and facility roles and responsibilities.
 - g. Coordinate training and exercises, policies and procedures, protocols, checklists, and guidelines to ensure consistency with this plan.

III. Policies and Legal Authorities

A. Legal Authority and Responsibility for Responding

1. This plan is developed, promulgated, and maintained according to the following federal, state, and local statutes and regulations as Emergency Support Function #10 - Oil and Hazardous Materials Response within the CEMPs of Clark County and its cities.

2. Each of the departments, agencies, jurisdictions, and organizations assigned responsibilities in the plan will be responsible for their own legal responsibilities, obligations, and reporting requirements.
- B. Federal Statutes and Regulations:**
1. Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA or Superfund).
 2. Superfund Amendments and Reauthorization Act (SARA) Title III, Emergency Planning and Community Right-To-Know Act of 1986 (EPCRA).
 3. Clean Air Act (CAA) of 1990 Amendments, Section 112(r).
 4. Clean Water Act (CWA) of 1972.
 5. Occupational Safety and Health Administration (OSHA) Regulations, 29CFR1910.
- C. State Statutes and Regulations:**
1. Revised Code of Washington (RCW):
 - a. Emergency Management, Chapter 38.52 RCW.
 - b. Hazardous Substance Information Act, Chapter 70.102 RCW.
 - c. Incident Command Agencies, RCW 70.136.030.
 - d. Washington Industrial Safety and Health Act (WISHA), Chapter 49.17 RCW .
 - e. Oil and Hazardous Substances Spill Prevention and Response, Chapter 90.56 RCW.
 2. Washington Administrative Code (WAC):
 - a. Local Emergency Management/Services Organizations, Plans and Programs, Chapter 118-30 WAC.
 - b. Hazardous Chemical Emergency Response Planning and Community Right-To-Know Reporting, Chapter 118-40 WAC.
 - c. General Occupational Health Standards, Chapter 296-62 WAC.
 - d. Emergency Response, Chapter 296-824 WAC.
 - e. Ecology, Department of, Title 173 WAC.
- D. Local Statutes and Regulations**
1. Title 2, Chapter 2.48A Emergency Management, Clark County Code, October 3, 2005.
 2. Title 2, Section 2.32.060 Hazardous Materials Command Agency, City of Vancouver Municipal Code.
- E. Agreements**

1. Clark Regional Emergency Services Agency Interlocal Cooperation Agreement.
2. Region IV Homeland Security Mutual Aid Agreement – Omnibus Agreement.
3. Georgia Pacific Mill Emergency Response Team (MERT), Agreements for Mutual Aid.
 - a. City of Camas Fire Department, dated 8/21/98.
 - b. City of Washougal Fire Department, dated 1/19/96.
 - c. Clark County Fire Protection District #1, dated 9/20/95.
 - d. Clark County Fire Protection District #9, dated 1/12/98.

(Note: Fire districts 1 and 9 merged to become East County Fire & Rescue in 2006)
4. Permit Number SW-147, State of Washington, Department of Natural Resources (DNR), 11/4/97.

F. Limitations

1. It is neither implied nor inferred that this plan guarantees a perfect emergency response. Extreme weather conditions can cause a response delay; response can be delayed by location, storage, and/or distribution of the appropriate response equipment; initial response may be affected by limitations to alert and warning systems of the community; or the incident may overwhelm staff and equipment. No plan can shield individuals from all events. While every reasonable effort will be made to respond to emergencies or disasters, resources or systems may be overwhelmed. Some events provide little or no warning to implement operational procedures and all emergency plans are dependent upon tactical execution which may be imperfect. This plan can only be fulfilled if the situation, information exchange, extent of actual capabilities, and resources are available at the time of the incident.

IV. Situation and Assumptions

- A. A variety of hazardous materials are manufactured, used, stored, and transported in and through Clark County on a daily basis. These materials are a part of our economy but present a threat to life, property, and the environment if not properly controlled.
- B. For the 2012 Tier 2 reporting year, 171 individual facilities in Clark County reported chemical inventories, as defined by EPCRA.

- C. Sixty-two of these facilities reported inventories of 'extremely hazardous substances'. These are chemicals that have a higher toxicity and that have additional planning requirements.
- D. Six facilities in Clark County are required to submit Risk Management Plans (RMP), in accordance with the Clean Air Act, Section 112(r). These facilities have chemicals that are deemed more likely to have impacts outside of the facility. This includes potential airborne toxics such as chlorine, anhydrous ammonia, chlorine dioxide, hydrogen chloride, and explosive substances such as hydrogen and propane.
- E. Eight additional RMP facilities in counties that border Clark County have chemicals that if released in an extreme, worst-case scenario would impact Clark County (e.g., airborne chemicals could reach Clark County).
- F. There are highways, main arterial roads, rail lines, pipelines, and flight paths across Clark County on which hazardous materials are transported.
- G. According to a 2005 study, 2.72% of all commercial vehicles carry hazardous materials through the major transportation corridors in Clark County (e.g., I-5, I-205, SR-14, Mill Plain, Fourth Plain).
- H. There are 14 miles of interstate liquid fuel pipeline (Olympic Pipeline) in Clark County.
- I. There are 56 miles of interstate natural gas pipeline (Williams Pipeline) in Clark County.
- J. An accidental release of hazardous materials can occur suddenly, without warning, allow little or no time to respond, and may overwhelm the facility, transporter, or local jurisdiction's ability to respond adequately.
- K. The entity having legal responsibility for the hazardous material at the time of release is referred to as the 'responsible party'.

V. Concept of Operations

- A. Only when local jurisdiction, facility, and agency resources are exhausted will state, regional, and federal assistance be requested.
- B. Responding agencies and jurisdictions on-scene will use the National Incident Management System (NIMS) Incident Command System (ICS).
- C. ICS is required for the management of personnel and resources from the initial response to an accidental chemical release through to termination of the incident (see RCW 70.136.030). At a minimum, documentation of the incident using ICS forms is encouraged starting with an ICS 201 – Incident Briefing form.
- D. **Emergency Warning**

1. Emergency Warning Methods

- a. Localized Alarms:** A fixed facility may use a combination of one or more of the following:
 - (1) Siren or other audible alarm.
 - (2) Flashing lights.
 - (3) Reader Boards.
 - (4) Localized radio broadcast.
- b. Emergency Alert System (EAS)**
 - (1) EAS is a text and audio electronic message relayed through the Portland-Vancouver television and radio media.
 - (2) The information is received only if the intended audience is listening to radio or watching television.
 - (3) Broadcasts must be less than two minutes.
 - (4) EAS must not be used unless other warning methods would be ineffective.
 - (5) EAS messages must specify the geographical area affected, the expected duration of the incident, and the protective actions to be taken by the public
- c. Emergency Community Notification System (ECNS)**
 - (1) ECNS is an automated telephone messaging system that can issue a recorded voice message, text message, and email to a defined area. It is managed and operated by CRESA.
 - (2) ECNS is configured with landline telephone subscriber records. Cellular or voice over internet phone (VoIP) phones will only be called if the user registers their phone number online. See:
cresa911.org/be-informed/
 - (3) The system *will not* reach 100% of households in the notification area due to limitations in phone switch capacity, limitations in phone records (completeness and currency), and other factors.
 - (4) ECNS should not be used unless other warning methods would be ineffective.
- d. Wireless Emergency Alerts (WEA)**
 - (1) WEA is a warning system that issues text message alerts to all system-compatible phones within an impacted county. Text messages are limited to 90 characters.
 - (2) WEA can only issue alerts to all compatible cell phones within a county. It currently doesn't have the ability to sub-divide a county or to target specific areas or cell towers.

- (3) CRESA has the ability to request activation of WEA through the State Emergency Operations Center.
- (4) The availability and quality of WEA messages is variable depending on the wireless carrier and the specific device used. See:

www.fema.gov/integrated-public-alert-warning-system

e. Media Release

- (1) An urgent media release may be issued via fax, e-mail, web-posting (flashnews.net), or other practical means to relay information quickly to the media about an incident.
- (2) A media release may contain any amount of detail about the incident that is approved by command.
- (3) If used as a warning, must specify protective actions to be taken by the public.

f. Door-to-Door Notification

- (1) Designated individual(s) may go door-to-door in an affected area to warn the community. As this method is staff intensive, it may not be an option during an emergency.
- (2) The safety of the individual(s) conducting the notifications is of prime importance. An alternate notification method should be used if personnel cannot be adequately protected during the door-to-door notifications.

g. Non-Automated telephone contact

Designated individual(s) may make individual phone calls to known phone numbers in the immediate area. As this method is staff intensive, it may not be an option during an emergency. Not all phone numbers in an area may be known.

2. Roles and Responsibilities for Emergency Warning

a. The Responsible Party will:

- (1) Activate their emergency response plan.
- (2) Where pre-existing call-down lists or “phone trees” are part of a facility emergency plan, every effort should be made to use these methods to generate the expected warning to the public.
- (3) At a minimum notify 911 for the LEPC point of contact even if the situation is not perceived as a life threatening or dangerous incident.

b. Incident Commander (responsible public safety official)

- (1) As soon as possible after confirming the threat necessitates a public warning, the Incident Commander shall initiate a request to notify the public of the emergency.
- (2) The Incident Commander shall make a determination of which warning method would be most appropriate and effective. This can be done in consultation with the CRESA Duty Officer.
- (3) If requesting the use of the EAS or ECNS the Incident Commander or delegate shall provide the details necessary to write the warning statement.

c. CRESA

- (1) CRESA shall maintain and test the EAS and ECNS warning capability to ensure reliability in an emergency.
- (2) Upon request by the Incident Commander, CRESA shall assist in drafting and issuing the warning message.

E. Emergency Response

1. Initial Notification of Response Agencies

a. A release is recognized -

- (1) As determined by the facility and reported by facility emergency coordinator in accordance with facility emergency response plans.
- (2) As determined by transporter and reported according to transportation emergency response plans, EPCRA, and/or DOT regulations.
- (3) If reported by responder or public then according to CRESA Dispatch Directive: 13.092 Hazardous Materials Incident .
- (4) If the quantity released is greater than the reportable quantity listed under Section 304 of SARA Title III or CERCLA.
- (5) If material has or may impact waters of the Washington State.

b. Appropriate methods of determining off-site migration of a released substance include but are not limited to -

- (1) On-site environmental monitoring station (wind speed and direction, air temperature, etc.).
- (2) Computer software such as computer aided management of emergency operations (CAMEO) that can model toxic atmospheric plumes.
- (3) Automated air monitoring equipment mounted at strategic locations on site.
- (4) Hand held air monitoring equipment.

- (5) Reports of off site complaints of chemical odors or adverse health-related symptoms.
 - (6) If the responsible party determines a released substance has or may migrate off site, they must immediately call 911 for emergency notification.
- c. Notifications are required to be made as follows:
- (1) Notify 911 immediately for all non-permitted releases of hazardous materials that meet one or more of the following criteria:
 - (a) Release is uncontrolled and has the potential to migrate off site or -
 - (b) Release occurs while in transit off site.
 - (c) Release creates a safety or health risk, on or off-site.
 - (d) Release is beyond the scope of on-site resources, responders' certified training, or the facility emergency response plan.
 - (2) *NOTE:* Additional and updated information about reporting requirements, required forms, and complete references are available at the Department of Ecology internet site:

For general information about spill reporting see:

www.ecy.wa.gov/programs/spills/other/reportaspill.htm

Information about pre- and post-incident reporting requirements can be found at:

www.ecy.wa.gov/epcra/reportingreq.html

- (3) Department of Ecology must be notified immediately if dangerous waste or hazardous substances are spilled or discharged and threatens human health or the environment regardless of quantity.
- (4) National Response Center (NRC) must be notified within 15 minutes if release reaches CERCLA reportable quantity (RQ).
- (5) NRC, and any impacted State Emergency Response Commission (SERC), Tribal Emergency Response Commission (TERC), and LEPC/ Community Emergency Coordinator must be notified within 15 minutes if release reaches RQ under Section 304 of SARA Title III or CERCLA. The LEPC Community Emergency Coordinator notification can be done by contacting 911. CRESA 911/dispatch will notify appropriate response agencies and the CRESA Duty Officer.

- (6) The Washington State Department of Ecology and the National Response Center (NRC) must be notified immediately if any oil or hazardous substances (regardless of quantity) are discharged to waters of the state including lakes, rivers, ponds, streams, underground water, storm water systems, sewers and all other surface water and watercourses.
- (7) Follow-up report must be sent to the LEPC within 30 days if release reaches the RQ under EPCRA Section 304 (CFR 40, Part 355).
- (8) A guide to release notifications for Clark County is available in *Appendix B – Chemical Release Notification Guide – Clark County*.

- d. Additional Notifications: Spillers, responders, and supporting agencies should make additional notifications in order to address other threats to the environment or public health:

Spills that may impact -	Notify -
Waste water systems	Waste water system manager (public works agency or Clark Regional Wastewater District)
Storm drains	Public works agency
Drinking water well-heads or well-head protection areas	Water system manager (Clark Public Utilities, Vancouver, Ridgefield, La Center, Camas, Washougal, Battle Ground)
Air (possibly involving Clean Air Act violations)	Southwest Washington Clean Air Authority

2. Direction and Control

a. Emergency Coordinator Identification

- (1) The Community Emergency Coordinator is the CRESA Director or Designee. The Community Emergency Coordinator representative, the CRESA Duty Officer, can be contacted through 911 dispatch.
- (2) Facility Emergency Coordinators are listed in *Appendix A – Facility Emergency Coordinators in Clark County* and kept on file at CRESA. This information is included in annual chemical inventory (tier 2) reports. They will contact the Community Emergency Coordinator through 911 dispatch.

b. Name of on-scene authority

To ensure effective coordination of the various emergency response units at the scene, it is the responsibility of the following official on-scene to act as Incident Commander (IC) for their jurisdiction:

- (1) On state and interstate roadways, Washington State Patrol.
- (2) On navigable waterways, up to Bonneville Dam, the senior US Coast Guard officer or representative.
- (3) On state waters, the Department of Ecology On-Scene Coordinator.
- (4) On inland waterways (past Bonneville Dam), the EPA.
- (5) In areas other than roadways and waterways, the Senior Fire Official of the jurisdiction.

c. Designation of Incident Command agency

- (1) In Clark County, the Incident Command agency for hazardous materials incidents within each jurisdiction is listed in the table below.
- (2) Letters of Incident Command designation are on file with the Office of the State Fire Marshal. The designations on file are as follows:

Clark County Jurisdiction	Designated Incident Command Agency	Date of Designation
Fire District No. 2	Woodland Fire Department	1/27/1988
Fire District No. 3	Clark County Fire District No. 3	11/31/1987
Fire District No. 5	Vancouver Fire Department	6/29/2005
Fire District No. 6	Clark County Fire District No. 6	8/6/1987
Fire District No. 10	Clark County Fire District No. 10	8/3/1988
Fire District No. 13	Washington State Patrol	2/18/1999
East County Fire and Rescue	Washington State Patrol	7/18/2006
Clark County Fire & Rescue	Clark County Fire & Rescue	11/26/2008
City of Battle Ground	Clark County Fire & Rescue	11/26/2008
City of Camas	Camas Fire Department	10/26/1987

City of La Center	Clark County Fire & Rescue	12/22/2010
City of Ridgefield	Clark County Fire & Rescue	12/22/2010
City of Vancouver	Vancouver Fire Department	8/11/1987
City of Washougal	Washougal Fire Department	12/19/2000
Town of Yacolt	Washington State Patrol	2/24/1999
Port of Camas-Washougal	Within city limits, Washougal Fire Department; outside city limits, Clark County Fire Marshal	12/17/1987
Port of Ridgefield	Washington State Patrol	2/1/1988
Port of Vancouver	Vancouver Fire Department	12/19/2000

d. State Incident Command Agencies

- (1) The governor is legally responsible for directing and controlling all state activities to protect the lives and property of citizens from the effects of disasters.
- (2) The Director of the Washington State Military Department is responsible for coordinating operational support and resources from state agencies and the federal government in accordance with RCW 38.52.030(3). The State EOC Alert & Warning Center (AWC) carries out this responsibility day-to-day. In response to a more significant incident, the State EOC assumes this responsibility.
- (3) The Department of Ecology is the pre-designated lead state agency for oil and hazardous substance incidents on marine and fresh waters, and for inland spills where the Washington State Patrol or local On-Scene Coordinator (OSC) has curtailed emergency response operations. In these instances, Ecology provides the state OSC to continue management of response and clean-up actions.
- (4) Washington State Patrol acts as the Incident Command agency for hazardous materials incidents on state and interstate highways and in areas specifically designated by the local jurisdiction. When the local jurisdiction does not designate an incident command agency in accordance with RCW 70.136.030, State Patrol will assume incident command for the jurisdiction.

e. Emergency Operations Center (EOC)

- (1) The Clark Regional Emergency Operations Center (CREOC) may be activated in response to an emergency incident that overwhelms the ability of agencies to respond. CREOC is located at 710 W 13th Street, in Vancouver, Washington (98660). Alternate EOC facilities are also available in the event that the primary site is unusable.
- (2) CRESA is the manager of the CREOC and maintains detailed plans and procedures for its operation.
- (3) The CREOC can provide resource and information support and coordination.
- (4) The CREOC will be activated by the appropriate Incident Commander, executive head, or agency administrator as specified in the CREOC Plan.
- (5) Depending on the scope of the incident, area or city EOCs may also be activated to coordinate local incident response.

3. Communications

- a. Public safety communication in Clark County is mostly via 800 MHZ radio system. This system also includes patches to VHF communication channels.
- b. During an incident, frequency assignments are made according to:
 - (1) Regional Interoperability VHF Frequency Plan.
 - (2) CRESA Written Directive 11.114: Emergency and Disaster Dispatch Procedures.
 - (3) Other CRESA directives.

4. Evacuation

- a. If resources and other incidents conditions support it, the incident commander may choose to evacuate the impacted or potentially impacted area. Evacuation is commonly done as a precaution if there is a threat that the impacted area will expand.
- b. Due to weather conditions, plume, and other variables, evacuation and alternative traffic routes cannot be specifically determined in advance, but are determined by the Incident Commander on scene at the time of the incident.
- c. Evacuation procedures and responsibilities are outlined in CEMP ESF 24. Mass transit, school, and private bus resources are available to support evacuation. These resources can be requested through dispatch or the EOC.
- d. Evacuation routes should normally be upwind or cross-wind from the impacted area.

- e. See *Appendix C – Hazardous Materials Sites and Transportation Routes* for a depiction of the primary transportation routes in Clark County (primary and secondary arterials) and the location of chemical facilities, including Tier 2 reporters, facilities with Extremely Hazardous Substances, and facilities that are subject to the Risk Management Plan requirements of the Federal Clean Air (112r).

5. Shelter-in-Place

- a. Shelter-in-place is a protective action that involves bringing persons immediately indoors and securing the building within the impacted area. In some cases, as determined by the incident, it may be necessary to seal doors, windows, and vents and to also evacuate to interior rooms or upper or lower level rooms.
- b. Shelter-in-place is recommended in situations where there would be a greater risk from evacuation or where there aren't sufficient resources to support a safe and timely evacuation.
- c. Shelter-in-place may also be recommended for hospitals, nursing homes, and similar facilities where evacuation would be resource intensive, put persons at greater risk, and where health and safety can be reasonably assured within the facility.
- d. The general procedure for sheltering-in-place is as follows. These procedures may be adjusted depending on the specific needs of the incident:
 - ☐ Go inside a building and remain until you are notified by television, radio, or other means that the danger has passed. Use the downwind side of the building.
 - ☐ Close all doors and windows.
 - ☐ Shut off all ventilation, heating and cooling systems.
 - ☐ Use wet towels over mouth and nose as instructed.
 - ☐ Do not use fireplaces or woodstoves. Put out any burning fires and close the damper.
 - ☐ Listen to your local radio or television stations for further instructions.

6. Containment and Cleanup

- a. Incident site entry will be limited to trained personnel with appropriate personal protective equipment.
- b. Decontamination procedures will be followed to limit area of contamination.

- c. Responsible Party will reduce the risk to public health and the environment; meet OSHA, Ecology, and EPA procedures, guidelines, and legal responsibilities.
- d. Hazardous materials will be identified, contained, recovered, and properly treated or removed for proper disposal at approved and permitted sites.
- e. Transportation, facility, local, state, and federal requirements, regulations and procedures will be followed.
- f. Documentation will be maintained by responding agencies, jurisdiction, and parties.
- g. Containment and clean-up should include planning for restoration and mitigation of damages to the environment.
- h. Planning for public health protection during this phase should be included in the recovery plan.

7. Decontamination

- a. Decontamination of casualties and first responder equipment will be under facility emergency operations officer and fire agency direction.
- b. The set up and operation of decontamination stations will be according to facility and/or responding agency procedures.
- c. Patients will be decontaminated, to the safest extent possible, before transport to a medical facility (according to *Pre-hospital Care Protocols - Hazardous Materials Incident*).
- d. The health officer may declare a health emergency (under Chapter 70.05 RCW) in order to quarantine an area and force decontamination of victims who refuse necessary decontamination. This will only be considered if needed to protect the public from certain danger.
- e. The Georgia Pacific Mill Emergency Response Team and the Region 4 Hazardous Materials Response Team have portable decontamination facilities that can be transported to an incident scene.

8. Resources

- a. Response resources may be available by contacting 911, WSP, Coast Guard, or fire departments. All agencies can be contacted through 911.
- b. The Washington State Department of Ecology maintains three resource lists of spill response and recovery resources:
 - (1) Hazmat Spill Contractor list.

- (2) Lower and Middle Columbia Response Consortium. This provides a listing of equipment caches and agency resources that may support spill response on the Columbia River.
- (3) Western Response Resources List (WRRL). This is a database of public and private sector spill response resources.

All three resource lists are available online. See *Section VIII. References*.

- c. State and local agencies who are members of the Washington State Purchasing Cooperative are authorized to use the Washington State General Administration contractor for hazardous waste handling and disposal services. This contract can be accessed by contacting the Department of Ecology Spills Program or by visiting the General Administration website:

<http://www.ga.wa.gov/Purchase/contracts.htm>

- d. If first response and immediate mutual aid resources have been exhausted, the IC may request additional resources through the Clark Regional Emergency Operations Center (EOC). The EOC also serves as the ordering point for state and federal assistance and resources.
- e. Below is a list of the technical hazmat resources available in Clark County. Additional resources are available from nearby jurisdictions through mutual aid, including the city of Portland Hazmat Team, city of Gresham Hazmat Team, and the Tualatin Valley Fire and Rescue Hazmat Team.

Unit Name	Home Agency	Non-Emergency Contact
Region 4 Hazardous Materials Response Team	Vancouver Fire Department	Steve Eldred (360) 487-7206
Mill Emergency Response Team (MERT)	Georgia Pacific Paper Mill Camas, WA	Kevin Goodell (360) 834-8473, x3202

- f. The Vancouver Fire Department is host to the Region 4 Hazmat Team and provides the primary, technical hazmat incident response to all jurisdictions in Homeland Security Region 4, which includes Clark, Cowlitz, Skamania, and Wahkiakum counties.
- g. The Region 4 Hazmat Team is incorporated into Vancouver Fire's Special Operations Division which includes the Region 4 Technical

Rescue Team and the Marine Program. Together, these resources provide an integrated response to technical incidents that require specialized tactics, personnel, and equipment. Other fire/EMS agencies in Region 4 have personnel who are trained in technical response and these agencies are well coordinated with the Vancouver Fire Special Operations Division. However, Vancouver Fire provides core staff and equipment and has the primary responsibility for providing special operations services to the region.

- h. The MERT is an industrial fire brigade (authorized per WAC 296-811) for the Georgia Pacific Paper Mill and also serves as a mutual aid resource to the fire agencies in East Clark County (Camas Fire, Washougal Fire, and East County Fire and Rescue). It has a mutual aid agreement with those agencies.

9. Site Monitoring

- a. Monitoring the location of the release is the responsibility of the owner of the material or responsible party that caused the hazardous materials release.
- b. Some facilities may have a monitoring capabilities and instrument-trained personnel to monitor their site and should be utilized to the greatest extent possible.
- c. Response agencies have limited means for monitoring a hazardous material emergency.
- d. While the fire department hazmat team has the responsibility for this function, they will only do so to their level of capability.
- e. If the fire service's ability is exceeded, additional monitoring resources may be available from private contractors, the 10th Civil Support Team (National Guard), Department of Ecology or the Superfund Technical Assessment and Response Team (EPA START) contractor. Several agencies have an interest in the level of contamination at a site. These include:
 - (1) Washington State Department of Health - Accommodations and Residential Care Services; Environmental Health, Safety, and Toxicology; Drinking Water and Radiation Protection.
 - (2) Clark County Public Health certifies re-occupancy of a residence following cleanup.
 - (3) Clark County Public Health Site Hazardous Assessment Program conducts initial investigations of potentially contaminated sites for priority ranking and possible listing with the Department of Ecology's Hazardous Waste Site Cleanup Program.
 - (4) Washington State Department of Labor and Industries for Worker Safety and Business Occupancy.

(5) Washington State Department of Health (DOH) for Accommodations and Washington State Department of Social and Health Services (DSHS) for Residential Care.

(6) Washington State Department of Ecology.

F. Documentation and Investigative Follow Up

1. Reporting Procedures

- a. The NRC, SERC, and LEPC must be notified when there is a release of a Reportable Quantity (RQ) of a hazardous substance or Extremely Hazardous Substance (EHS) into the environment according to CERCLA Section 103(a) and EPCRA Section 304(c).
- b. The purpose of the notification is to alert government officials that an emergency response may be needed to protect human health and the environment.
- c. Reporting a release does not free the responsible party from liability for cleanup costs.

2. Mechanics of Notification

- a. In order to meet the requirements under EPCRA Section 304 the owner or operator of a facility must IMMEDIATELY report releases of hazardous substances and extremely hazardous substances (EHSs) to:

(1) State Emergency Response Commission (SERC) and appropriate state agencies through the Washington State Emergency Operations Center – Alert and Warning Center at 800-258-5990.

(2) LEPC via CRESA's 911/dispatch center: 911.

(3) National Response Center: 800-424-8802.

See also *Appendix A – Chemical Release Notification Guide – Clark County*.

- b. The notice to the SERC and LEPC must include -

(1) The chemical name or identity of any substance involved in the release .

(2) An estimate of the quantity released into the environment.

(3) The time and duration of the release.

(4) The medium or media into which the release occurred.

(5) Any known or anticipated acute or chronic health risks associated with the emergency and, where appropriate, advice regarding medical attention necessary for exposed individuals.

- (6) Proper precautions to take as a result of the release, including evacuation (unless the community emergency coordinator confirms such information is already available pursuant to the emergency plan).
 - (7) The names and telephone numbers of the person or persons to be contacted for further information.
 - c. As soon as practicable or within 30 days after a release which requires notice under EPCRA Section 304, the owner or operator of the facility is required to submit a written follow-up notice to the affected LEPCs, TERCs, and SERCs.
 - d. This report must contain all information required in the initial notice plus:
 - (1) Updated and additional information with respect to release.
 - (2) Actions taken to respond to and contain the known or anticipated acute or chronic health risks associated with the release.
 - (3) Where appropriate, advice regarding medical attention necessary for exposed individuals.
 - (4) EPA strongly recommends that the cause of the release be reported in the follow-up notice.
- 3. List of required reports**
- a. EPCRA Section 302/303 – EHS Notification/Facility Emergency Coordinator.
 - b. EPCRA Section 304 – Emergency Release Notifications.
 - c. EPCRA Section 311 – MSDS Submittals.
 - d. EPCRA Section 312 – Tier Two – Emergency and Hazardous Chemical Inventory.
 - (1) Electronic reporting is available to industry at -
<http://www.ecy.wa.gov/epcra>
- Must be submitted in hard copy format to the LEPC and local fire department.
- e. Forms**
- Tier Two – Emergency and Hazardous Chemical Inventory forms are available at:

www.ecy.wa.gov/epcra.

- (2) Transportation Hazardous Materials Incident Report, form F 5800.1 (rev 01-2004) (OMB No 2107-0039Forms).

See: <http://www.phmsa.dot.gov/hazmat/incident-report>

Complete form online at:

<https://hazmatonline.phmsa.dot.gov/incident/>

- f. In addition to notification of RQ release, follow up report which includes:
- (1) Any updated and additional information with respect to actions taken to respond to and contain the release.
 - (2) Known or anticipated acute or chronic health risks associated with the release.
 - (3) Where appropriate, advice regarding medical attention necessary for exposed individuals.
4. Reasons for requiring the reports
- a. To alert government officials that an emergency response may be necessary to protect public human health and the environment.
 - b. The conditions that trigger notification to the SERC, TERC, and LEPC under EPCRA Section 304:
 - (1) A facility at which a hazardous chemical is produced, used, or stored.
 - (2) A release of a hazardous substance or extremely hazardous substance into the environment with a potential to affect human health and/or the environment off-site that equals or exceeds a reportable quantity within a 24-hour period.
 - c. Reports may be used for determining the Responsible Party.
 - d. Reports will be used to improve HMERP, ERP, RMP or procedures used.
 - e. Chemical Safety and Hazard Investigation Board shall investigate, determine and report to the public in writing the facts, conditions and circumstances and the cause or probable cause of any accidental release resulting in fatality, serious injury or substantial property damages CAA 42 U.S.C. §7412, Section 112 (r) (6).
 - f. Persons in charge of facilities (including transport vehicles, vessels and aircraft) are required to report any release of a hazardous substance (quantity greater than or equal to RQ) National Response Center 40 CFR 302.6 EPA.
 - g. Employers are required to investigate as soon as possible (but no later than 48 hours after) incidents which resulted or could

reasonably have resulted in catastrophic releases of covered chemicals 29 CFR 1910.119.

- h.** Process Safety Management requires employers to investigate (no later than 48 hours after) incidents which did result or could reasonably have resulted in catastrophic releases of covered chemicals 29CFR 1910.119.
- i.** Record keeping is required according to HAZWOPER, 29CFR 1910.120.
- j.** Reports of hazardous materials storage for International Building Code, according to jurisdiction.
- k.** Fire Marshal's codes, according to jurisdiction.

5. Report Contents and Documentation Guidelines

- a.** In general, release documentation shall be sufficient to:
 - (1) Support full cost recovery for resources utilized.
 - (2) Identify the source and circumstances of the incident.
 - (3) Identify the responsible party or parties.
- b.** Document impacts and potential impacts to public health and welfare and the environment.
- c.** During all phases of response, the lead agency shall complete and maintain documentation to:
 - (1) Establish the basis for cost recovery.
 - (2) In general, documentation shall be sufficient to:
 - (a) Provide the source and circumstances of the release.
 - (b) Identity of responsible parties.
 - (c) Record response action taken.
 - (d) Provide accurate accounting of federal, state or private party costs.
 - (e) Document impacts and potential impacts to the public health and welfare and the environment.
 - (f) Record when the NRC received notification of a release of a reportable quantity 40CFR300.160.

6. After Action Review

- a.** Organizations involved in a significant hazardous materials incident response or exercises should conduct an post incident analysis or after action review to identify lessons learned and to develop improvement plans.

- b. For significant hazardous incidents, particularly those involving multi-agency or multi-jurisdiction response, the LEPC should be involved in the after action review.

7. Investigations

- a. All responders will assist with the collection of information for identification of the responsible party.
- b. When a responsible party is known they will be informed, when practical, of the incident and be provided with information for follow-up reporting.
- c. Clark County Fire Marshal investigates the origin and cause of fires; is the lead agency in arson investigation involving hazardous materials.
- d. Clark County Public Health
 - (1) Provides information about proper destruction or decontamination of structures, vehicles, and property associated with confirmed chemical contamination.
 - (2) Clark County Public Health Site Hazardous Assessment Program conducts initial investigations of potentially contaminated sites for priority ranking and possible listing with the Department of Ecology's Hazardous Waste Site Cleanup Program.
 - (3) Investigates complaints involving improper waste disposal practices or hazardous waste spills resulting in potential contamination or exposure.
- e. Southwest Washington Clean Air Agency investigates incidents that may involve the violation of federal, state, and local outdoor air quality standards and regulations.
- f. WSP investigates criminal acts on state highways and roads.
- g. Law Enforcement Agencies investigate criminal acts within jurisdiction.

8. Provision for cost recovery

- a. Responsible party, transportation company, or facility will make their own arrangements for cost recovery.
- b. The responsible party pays for costs of responding agencies and jurisdictions.
- c. Responding agencies and jurisdictions will separately document costs associated with the specific incident response.
- d. The Model Toxics Control Act may provide funding.

- e. CERCLA requires reporting of releases of hazardous substances, establishes the liability of persons responsible for releases of hazardous substances, and establishes an EPA trust fund.
- f. If no Responsible Party can be determined, EPA may provide funding through the Local Government Reimbursement Program (800-431-9209) for up to \$25,000 in extraordinary local expenses for qualifying incidents.
- g. Form EPA Form 9310-1, Application Package for Reimbursement to Local Governments, will be used to apply for reimbursement; Instructions and guidelines are included.

VI. Responsibilities

A. Primary Agencies

1. Fire Agencies

- a. Limit, isolate and deny entry to sites of hazardous materials incidents within Clark County.
- b. Investigate and report hazardous materials accidents.
- c. Where designated, in accordance with RCW 70.136.030, act as the Incident Command agency. (Section VII-B-3-b of this plan).
- d. Coordinate activities with other jurisdictions, facilities, and responders.
- e. Request technical support from hazardous materials response teams when necessary.

2. Washington State Patrol (WSP)

- a. Conduct safety inspections on vehicles transporting hazardous materials/waste and enforce state and federal transportation regulations, Chapter 46.48 RCW.
- b. Provide technical assistance to shippers and carriers.
- c. Investigate accidents involving hazardous materials within its jurisdiction.
- d. Assist with identification of responsible party.
- e. Act as Incident Commander for hazardous materials incidents on state and interstate roadways and, where designated, for those fire departments that recognize the WSP as incident command (IC) agency for hazardous materials incidents.
- f. Act as lead agency for evacuation and site security. Assist with warning the public about evacuation routes and locations or notify public to shelter in place (SIP).
- g. Provide crowd and traffic control when appropriate and as requested by IC.
- h. Assist with warning and emergency information dissemination.
- i. Provide a representative to the Incident Command Post and EOC as requested.
- j. Provide training through the Office of the State Fire Marshal, Hazardous Materials Unit.
- k. Conduct ongoing hazardous materials recognition and operations training for WSP personnel and local fire, law enforcement and EMS responders.

B. Support Agencies

1. All Response Agencies, Jurisdictions, Fixed Facilities, Transportation Companies and Responsible Parties
 - a. Develop plans consistent with this HMERP.
 - b. Provide the primary resources for hazardous materials response.
 - c. Provide representative to the Incident Command post and EOC when requested by the Incident Commander.
 - d. As directed by the Incident Commander, will coordinate public information, support and representation at the authorized Joint Information Center.
2. Responsible Party
 - a. Ensure timely warning and notification of hazardous releases to all jurisdictions that may be affected.
 - b. Assure effective abatement of the release or threatened release of hazardous materials.
 - c. Be liable and cover the costs of clean up and response of jurisdictions and agencies.
 - d. Respond according to Emergency Response Plan, OSHA Process Safety Management Standard, Risk Management Plan and/or Mutual Aid Agreement.
3. Fixed Facilities
 - a. Provide information for planning purposes to the Clark County Local Emergency Planning Committee (LEPC).
 - b. Provide for worker safety and shutdown of operations as needed during a hazardous materials incident.
 - c. Provide timely public warning and notifications of hazardous releases from facility.
 - d. Alert surrounding area and vulnerable persons.
 - e. Notify and coordinate activities with the LEPC in the event of a release of hazardous materials.
 - f. Notify the regulating authorities of the release, as appropriate.
 - g. Maintain and coordinate plans to comply with current regulations.
 - h. Develop and provide a Risk Management Plan and/or Facility Emergency Response Plans, which will determine policies and procedures for reporting releases.
 - i. Those facilities subject to CAA 112(r) are requested to submit Response Management Plan (RMP) and/or Emergency Response Plan (ERP) to the LEPC for planning purposes.

4. Transportation Companies

- a. Respond to hazardous materials incidents caused by their operations.
- b. Respond to hazardous materials incidents on their property.
- c. Provide for worker safety and shutdown of operations as needed during hazardous materials incident.
- d. Provide timely public warning and notifications of hazardous releases.
- e. Alert surrounding area and vulnerable populations.
- f. Notify the LEPC and other regulating authorities of a release of hazardous materials .
- g. Maintain and coordinate emergency response plans to comply with current regulations.

5. Local Jurisdiction Executive Heads

- a. Provide for continuity of government during and after a hazardous materials incident.
- b. Adopt and enact emergency ordinances and policies; support appropriate emergency expenditures.
- c. Keep the public informed during and after a hazardous materials incident.
- d. Release emergency information, in coordination with Incident Command, EOC, and public information officers.

6. Law Enforcement

- a. Act as lead agency for evacuation and site security. Participate in the Incident Command System.
- b. Provide crowd and traffic control.
- c. Investigate crimes related to a hazardous materials incident.
- d. Assist with warning and emergency information dissemination.
- e. Assist with warning the public about evacuation routes and locations or notify public to shelter-in-place.
- f. Provide a representative to the Incident Command Post and EOC as requested.

7. Emergency Medical Services

- a. Emergency Medical Services (EMS):
 - (1) Provide triage, pre-hospital treatment, and EMS transportation.

- (2) Advise Incident Commander concerning transport and mass casualty potential.
 - (3) Assist with decontamination and transfer of patients to hospital facilities.
 - (4) Follow Clark County Emergency Medical Services *Pre-hospital Care Protocols*.
 - b. Medical Resource Hospital (MRH) at Oregon Health and Science University will coordinate distribution of patients to local hospitals and medical facilities when the impacted jurisdiction's hospitals are overwhelmed.
- 8. Region 4 Hazardous Materials Response Team**
- a. Provide hazardous materials resources and information at the request of the Incident Command (IC).
 - b. Provide specialized fire control tactics for bulk flammable liquids, gases, and solids.
 - c. Monitor air for flammable and toxic gases.
 - d. Monitor for radiological releases.
 - e. Sample and screen unknown substances for CBRNE (chemical, biological, radiological, nuclear, explosive) hazards.
 - f. Control emergency leaks and releases of hazardous solids, liquids and gases.
 - g. Provide medical decontamination and Advanced Life Support (ALS) care for contaminated victims.
 - h. Provide back up services under the Vancouver Fire Department and Portland Fire Bureau mutual aid agreement.
 - i. Provide toxic plume modeling and advise IC of vulnerable area.
- 9. Georgia Pacific Mill Emergency Response Team (MERT)**
- a. Provide primary hazardous materials resources and information at the request of the IC in jurisdictions specified in mutual aid agreements.
 - b. Monitor air for flammable and toxic gases.
 - c. Complete preliminary identification of unknown substances.
 - d. Control emergency leaks and releases of hazardous solids, liquids and low pressure gases.
 - e. Provide medical decontamination for contaminated victims.
 - f. Provide river transport of MERT.

- [illegible]

- (5) Coordinate public information and approve all press releases from CRESA.
- (6) Advise officials about emergency fiscal and administrative procedures and requirements.
- (7) Authorize activation of the CREOC and appoint the CREOC Manager.

f. CRESA 911/dispatch

- (1) Dispatch fire, police, and Emergency Medical Services (EMS) services.
- (2) Complete notifications and requests at the direction of Incident Commander.
- (3) Notify duty officer according to guidelines.
- (4) Contact and notify jurisdictions and agencies according to Incident Commander, community emergency coordinator, and duty officer requests.
- (5) Maintain recordings and documentation of incidents.
- (6) Activate 911 back-up center as requested by IC or specified authority.

g. CRESA Duty Officer

- (1) Coordinate resources at the request of the Incident Commander.
- (2) Coordinate resource support to response agencies.
- (3) Establish liaison with affected organizations and jurisdictions as needed.
- (4) Coordinate and staff the Incident Command Post and CREOC when activated.
- (5) Support emergency warning and coordinate use of EAS and ECNS.
- (6) Activate Emergency Alert System (EAS) and Emergency Community Notification System (ECNS) at request of IC.
- (7) Coordinate with communities affected for status reports and needs assessments.
- (8) Notify the Department of Ecology of releases and coordinate with Ecology on any cleanup, disposal and recovery issues.
- (9) Support Incident Commander with available response and recovery resources.

13. Medical Program Director

- a. Develop and approve Clark County Pre-hospital Patient Care Protocols.
- b. Direct pre-hospital patient care according to EMS Trauma Care guidelines.

14. Southwest Clean Air Agency

- a. Enforce federal, state and local outdoor air quality standards and regulations in Clark County under the Federal Clean Air Act. Automobiles, chemical paper and pulp mills, and aluminum reduction facilities are not regulated the SWCAA.
- b. Address air quality concerns in coordination with Clark County Public Health.

15. Clark County Public Health

- a. Become involved if there are human exposures or potential human exposures to hazardous materials releases.
- b. If needed, respond to complaints involving spills to determine the extent of the problem and assess proper cleanup protocol as it relates to potential human health impacts.
- c. Conduct long-term disease surveillance of exposed populations.
- d. Coordinate with Incident Commander concerning transfer of command when changing from initial response to recovery.
- e. Provide for coordination of proper hygiene and sanitation procedures at mass care facilities.
- f. Monitor small public (Group B) water systems to ensure the safety of drinking water supplies.
- g. Provide coordination of information with state and federal public health agencies.
- h. Advise about personnel protection, public health effects, and environmental impacts regarding unknown products.
- i. Health Officer or designee would declare public health emergencies to protect the general public and issue public health advisories.
- j. Public health public information officer would contact local media and coordinate with incident commander and emergency responders.
- k. Through epidemiologic investigations, identify source of exposure to hazardous materials.
- l. Enforce laws and regulations that protect health and ensure safety.
- m. Provide information to the public regarding potential and confirmed contaminants in soil, water, air and food supply.

- n. Agency coordination is also ongoing through boards and committees such as the LEPC.

16. Clark County LEPC

- a. Coordinate maintenance of this plan.
- b. Maintain records of annual Tier 2 reporters and other emergency documents required by law. These records are stored by CRESA for a period of five years.
- c. Provide information public information as required by EPCRA.
- d. Provide resource information as needed.
- e. Disseminate information concerning hazardous materials in the community.
- f. Plan for hazardous materials incidents and exercise the plan.
- g. Information regarding the annual exercise and other exercises will be added to the LEPC workplan at the annual meeting (usually January) and the date of the exercise will be set at a later meeting of the LEPC and announced to the general membership of LEPC.

17. C-TRAN

- a. Reroute buses as necessary during an emergency.
- b. Provide mass transit resources at the request of first response agencies.

18. Washington State Agencies

- a. The Washington State Emergency Management Division (EMD).
 - (1) Manage, update and coordinate state CEMP.
 - (2) Maintain State EOC Alert and Warning Center for coordination of state resources.
 - (3) Coordinate communications with local, state and federal agencies.
- b. The Washington State Department of Ecology (Ecology)
 - (1) Provide 24-hour emergency response to reported spill incidents.
 - (2) 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.
 - (3) Coordinate response efforts with other local, state and federal agencies.
 - (4) Determine the release source, cause and responsible party.

- (5) Coordinate incident cleanup (in some cases in conjunction with EPA) if the Responsible Party is unavailable, unresponsive, or unidentified.
 - (6) Provide response advice and resource listings to responsible parties and responding agencies.
 - (7) Coordinate Natural Resource Damage Assessment (NRDA) activities for the state.
 - (8) Set cleanup standards for the incident in accordance with federal and state law, and ensure that source control, containment, cleanup and disposal are accomplished.
 - (9) Participate in a Joint Information Center (JIC)
 - (10) Serve as advisor for emergency responder equipment and training .
 - (11) Serve as advisor for on-scene release response and environmental clean-up.
 - (12) Coordinate development, implementation, and maintenance of a Community Right- to Know Program according to EPCRA subsection 301(a).
- c. Washington State Patrol (WSP)
See A. *Primary Agencies*
 - d. Washington State Department of Natural Resources (DNR)
 - (1) Protect water resources on DNR lands.
 - (2) Provide access, information and assistance to reduce and control the effects of hazardous materials on DNR lands .
 - e. Washington Poison Control Center
 - (1) Provide statewide, 24-hour telephone information to the public and health care providers regarding poisonings and suspected poisonings.
 - (2) Provide information regarding environmental and toxicological concerns.
 - f. Washington State Department of Health
 - (1) Provide technical assistance and support regarding sample collection, laboratory analysis, hazard identification and assessment of public health impacts of chemical or radiological incidents.
 - (2) Coordinate information flow, resources with federal agencies, and support of local health agency partners.
 - g. Washington State Department of Labor and Industries

- (1) Enforce WISHA requirements and protections. Worker Right-To-Know Act 49.70 Hazard Communication Standard (HCS) Chapter 296-62 WAC, part C.
 - (2) Conducts inspections of facilities where hazardous materials are generated, used, stored, disposed of or destroyed (WA CEMP).
 - h. Washington State Department of Transportation**
 - (1) Develop procedures for non-hazardous materials clean-up activities on state and interstate highways.
 - (2) Assist first responders by providing supporting information on shippers and handlers of hazardous materials statewide.
 - (3) Provide personnel and equipment to support response operations on highways and lands under state and federal jurisdiction.
- 19. Federal Agencies**
- a. United States Coast Guard**
 - (1) Participate in the Incident Command for releases of hazardous materials or petroleum products occurring on navigable waterways.
 - (2) Provide a representative to the Incident Command Post and EOC as requested.
 - (3) Act under ESF 10 of the National Response Framework.
 - (4) Provide funding for response contractors when the responsible party is unavailable, unresponsive, or un-identified.
 - b. United State Environmental Protection Agency**
 - (1) Participate in the Incident Command for releases of hazardous materials or petroleum products occurring in EPA jurisdiction.
 - (2) Review annual SARA 313 reports.
 - (3) Act under ESF-10 of the National Response Framework.
 - (4) Provide funding for response contractors when the responsible party is unavailable, unresponsive, or unidentified.
- 20. Clean-Up Contractors**
- a. Meet worker personal protection and safety requirements of OSHA and other applicable laws.**
 - b. Follow appropriate Emergency Response Plan, OSHA 29 CFR 1910, Process Safety Management Standard, Risk Management Plan, and/or Mutual Aid Agreement.**
 - c. Meet recognized standards, such as National Fire Protection Association (NFPA) training levels.**

21. Community Crisis Assistance Organizations

- a. The American Red Cross, Southwest Washington Chapter
 - (1) Identify appropriate shelter and mass care facilities.
 - (2) Open and manage shelter sites and provide for the identification of persons and the preservation of records for Safe and Well Inquiry.
 - (3) Provide agency representative to the CREOC upon request.
 - (4) Keep the CREOC informed of the status of shelters.
 - (5) May Provide canteen services for first responders to hazardous materials incidents of extended duration

- a. Clark County Amateur Radio (ARES/RACES)
 - (1) Provide volunteer amateur radio communications.
 - (2) Maintain river flow computer and data.
 - (3) Provide a representative to the Incident Command Post and EOC as requested.

VII. TRAINING

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.

The minimum level of responder training in accordance with WAC 296-824-30005 is:

Awareness Level	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
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	<p>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 Emergency Response Guidebook. • Can use the Emergency Response Guidebook. • Recognize the need for additional resources and the need to notify the incident's communication center accordingly.
Operations Level	<p>Operations level responders are personnel who respond to hazardous materials/WMD incidents for the purpose of implementing or supporting actions to protect people, property and the environment from the effects of a release. They are trained to respond in a defensive fashion, which may include attempts to confine, contain or otherwise control the release without coming into contact with the material/product.</p> <p>First responders at the operations level must receive at least eight hours of training and demonstrate awareness level competencies as well as the competency to:</p> <ul style="list-style-type: none"> • Know basic hazard and risk assessment techniques. • Select and use personal protective equipment (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

	<p>available.</p> <ul style="list-style-type: none"> • Implement decontamination procedures to their level training. • Understand relevant standard operating and termination procedures.
Technician Level	<p>Technician level responders are personnel who respond to a hazardous materials/WMD incident using a risk-based response process to analyze the situation involving hazardous materials/WMD, select applicable decontamination procedures and control the release using specialized protective clothing and control equipment.</p> <p>First responders at the technician level must receive at least 24-hours of training and demonstrate operations level competencies as well as the competency to:</p> <ul style="list-style-type: none"> • 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 personal protective equipment (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.
Specialist Level	<p>Specialist level responders are personnel who respond with and provide support to hazardous materials technicians. Their duties parallel those of hazardous materials technicians but require a more specific knowledge of the various substances they may be</p>

	<p>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. • 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>The Incident Commander (IC) is the person responsible for all incident activities, including development of strategies and tactics and ordering and release of resources.</p> <p>Incident commanders, 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 incident command system (ICS) and understand how they relate to it.

	<ul style="list-style-type: none">• Implement the employer's ICS.• Understand the hazards and risks associated with employees working in chemical protective clothing.• Understand the importance of decontamination procedures.
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In Clark County, each organization with a responsibility for responding to hazmat incidents normally will complete the training for their own organization. As such, there is no cooperative, county-wide schedule that is maintained. Fire agencies will typically complete awareness and operations training internally, in the course of their firefighter training programs. The Washington State Patrol Fire Training Academy also offers regular awareness and operations courses as well as on-scene incident command courses. For more information see:

<http://www.wsp.wa.gov/fire/ftatrain.htm>

Vancouver Fire provides basic hazmat response training and training in decontamination procedures upon request to Region 4 agencies. In accordance with its role in coordinating integrated special operations services, Vancouver Fire also supports and coordinates technical rescue and marine response training to Region 4 agencies.

Each year, in the spring, Washington State Patrol and the SERC conduct an Annual Hazmat Workshop at the HAMMER Training Facility in Richland, Washington. This training is offered over a weekend to allow for participation by volunteer responders. Hazmat Operations and On Scene Incident Command courses as well as courses on specialized subjects are offered at this workshop.

Other hazardous materials training courses are offered over the course of the year. See the LEPC and Northwest Regional Training Center websites or join the LEPC email distribution list to keep informed of these training opportunities.

VIII. Testing and Plan Maintenance

A. Testing the Plan

1. Testing refers to the exercise of all or part of the Hazardous Materials Emergency Response Plan to improve the efficiency of all working elements.
2. All or part of the agencies involved may be active participants in the drill (testing) process.

3. After the drill, a critique by the participants shall be held to identify any elements of the plan that need to be reviewed, revised, changed, or updated.
4. This process shall support sound operational concepts and identify resources needed to carry out necessary functions in hazardous materials emergencies.
5. Agencies, organizations, and facilities may be informed of the testing and will be invited to participate or observe.
6. LEPC Annual Exercise
 - a. The Clark County LEPC is responsible for coordinating one annual exercise of the Hazardous Materials Emergency Response Plan. The annual exercise and other exercise will be added to the LEPC workplan at the annual meeting and that the date will be set at a later meeting of the LEPC and announced to the general membership.
 - b. This exercise may be a tabletop, functional, or full-scale exercise.
 - c. Response drills may be in conjunction with other emergency response agencies and plans.
 - d. Drills, responses, and exercises will be evaluated and changes made to the HMERP as lessons are learned and necessary.

B. Plan Maintenance

1. Plan ReviewsThe HMERP shall be reviewed at least annually by the Clark County LEPC, according to its Charter and Bylaws and as required by WAC 118-40-180(5).
2. If no changes are required, the LEPC will report to the SERC in writing of when the review occurred and the findings of the review.
3. Plan Revisions and Changes
 - a. All revisions to the Clark County Hazardous Materials Emergency Response Plan will be reviewed and approved by the LEPC. according to LEPC Charter and Bylaws.
 - b. The LEPC is responsible for the distribution of all approved revisions to distribution list, and the accurate maintenance of the directories of those plan holders.
 - c. The coordinator of the LEPC is the Emergency Management Program of CRESA.
 - d. Revision to the plan shall be distributed to all agencies, organizations, and facilities that hold a current copy of the original plan within 60 days of each revision.

- e. Three copies of the revised plan will be forwarded to the State Emergency Response Commission in compliance with WAC 118-40-180 for plan review and comment.
- f. Requests may be made for further information regarding hazardous materials inventories or information regarding the hazard of a particular chemical or reporting facility by contacting the coordinator for information of the LEPC at CRESA .
- g. The annual review shall assure that appropriate changes are made to the telephone roster, legal requirements, and resources.
- h. The HMERP shall also be revised, if appropriate, following drills, exercises or significant hazardous materials incident debriefs by the LEPC.

IX. References

- A. Clark County Local Emergency Planning Committee Website
<http://cresa911.org/emergency/lepc.php>
- B. Washington State Department of Ecology – How to Report a Spill
<http://www.ecy.wa.gov/programs/spills/other/reportaspill.htm>
- C. Reporting Requirements – Emergency Planning and Community Right to Know Act (EPCRA)
<http://www.ecy.wa.gov/epcra/reportingreq.html>
- D. NFPA 742, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents (2013)
- E. <http://www.nfpa.org/codes-and-standards/document-information-pages?mode=code&code=472> Hazardous Materials – Emergency Preparedness and Planning – Municipal Research and Services Center of Washington
<http://www.mrsc.org/Subjects/PubSafe/emergency/em-hazmat.aspx>
- F. USDOT Emergency Response Guidebook
<http://phmsa.dot.gov/hazmat/library/erg>
- G. Washington State Department of Ecology – Hazmat Spill Contractor List
- H. http://www.ecy.wa.gov/programs/spills/spills_happen/1.12HazmatSpCont.TreatmtCtrs2.pdf Columbia Snake Rivers Spill Response Initiative
http://www.ecy.wa.gov/programs/spills/csr_sri/main.html

- I. Columbia and Middle Columbia Response Consortium Resource Listing
<ftp://www.ecy.wa.gov/spills/CSRSRI/Lower%20and%20Middle%20Consortium%20Cache%20Maps.pdf>
- J. Western Response Resource List
- K. http://www.wrrl.us/fmi/iwp/res/iwp_auth.html Washington State Patrol – Fire Training Academy
<http://www.wsp.wa.gov/fire/ftatrain.htm>
- L. National Response Center – Online Reporting Tool
<http://www.nrc.uscg.mil/nrchp.html>

X. Acronyms

ARES – Amateur Radio Emergency Service

CAA – Clean Air Act

CAMEO – Computer Aided Management of Emergency Operations

CCSO – Clark County Sheriff's Office

CEMP – Comprehensive Emergency Management Plan

CERCLA – Comprehensive Environmental Response, Compensation and Liability Act

CFR- Code of Federal Regulation

CRESA – Clark Regional Emergency Services Agency

CREOC – Clark Regional Emergency Operations Center

CRWD – Clark Regional Wastewater District

CWA – Clean Water Act

DNR – Department of Natural Resources

EMD – Emergency Management Division (Washington State)

EAS – Emergency Alert System

ECNS – Emergency Community Notification System

EMS – Emergency Medical Services

EOC – Emergency Operations Center

EPA – Environmental Protection Agency

EPCRA – Emergency Planning and Community Right to Know Act

ERP – Emergency Response Plan

ESF – Emergency Support Function

GRP – Geographic Response Plan

HAZWOPER - Hazardous Waster Operations and Emergency Response

HMERP – Hazardous Materials Emergency Response Plan

IC – Incident Commander

ICS – Incident Command System

JIC – Joint Information Center

LEPC – Local Emergency Planning Committee

MERT – Mill Emergency Response Team (Georgia Pacific – Camas Mill)

NCP – National Contingency Plan

NFPA – National Fire Protection Association

NIMS – National Incident Management System

NRC – National Response Center

NRDA – Natural Resource Damage Assessment

NWACP – Northwest Area Contingency Plan

OSC – On-Scene Coordinator

OSHA – Occupational Safety and Health Administration

RACES – Radio Amateur Civil Emergency Service

RCP – Regional Contingency Plan

RCW – Revised Code of Washington

RMP – Risk Management Plan

RQ – Reportable Quantity

SARA - Superfund Amendments and Reauthorization Act

SERC – State Emergency Response Commission

SOSC – State On-Scene Coordinator

SWCAA – Southwest Clean Air Agency

TERC – Tribal Emergency Response Commission

USCG – United States Coast Guard

USDOT – United States Department of Transportation

VFD – Vancouver Fire Department

VHF – Very High Frequency

WAC – Washington Administrative Code

WISHA – Washington Industrial Safety and Health Act

WSDOT – Washington State Department of Transportation

WSP – Washington State Patrol

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Appendix A – Facility Emergency Coordinators

This information is excerpted from 2012 Tier 2 Chemical Inventory Reports provided to the Washington State Department of Ecology. Some information was updated by plan commenters. It normally includes the first two contacts provide in the Tier 2 reports. Tier 2 reports can include up to five contacts.

All alternate contacts and updated lists for Facility Emergency Coordinators are available from CRESA or the Washington State Department of Ecology.

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ATT MOBILITY BARBERTON	7002 NE 88TH VANCOUVER, WA 98665

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US WATER SERVICES INC WELLONS WATER TECHNOLOGY LLC	2700 W FIRESTONE LANE VANCOUVER, WA 98660
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VA MEDICAL CTR VANCOUVER	1601 E FOURTH PLAIN BLVD VANCOUVER, WA 98663
<u>Contact 1</u> Name: Michael Patterson	<u>Contact 2</u> Name: Bill Stewart Phone: (503) 220-8262 24 Hr Phone: (503) 220-8262
VANCOUVER AERO MAINTENANCE INC	101 E RESERVE ST VANCOUVER, WA 98668
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<u>Contact 1</u> Name: LAT 45 44 23 LONG 122 22 17 VERIZON BUSINESS WCIGWA POESWA	<u>Contact 2</u> Name: JASON WELLER 24 Hr Phone: (800) 386-9639 Phone: (972) 729-5143 604 E HOAG ST YACOLT, WA 98675
<u>Contact 1</u> Name: JASON WELLER VERIZON WIRELESS MILL PLAIN	<u>Contact 2</u> Name: Joseph Land 24 Hr Phone: (800) 386-9639 Phone: (417) 291-0769 16703 SE 1ST ST VANCOUVER, WA 98684

<u>Contact 1</u> Name: RICHARD A CRAIG Phone:	<u>Contact 2</u> Name: RICHARD A CRAIG 24 Hr Phone: (800) 488-7900 Phone: 9085597260
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VERIZON WIRELESS VANCOUVER FELIDA	2345 NW 111TH AVE VANCOUVER, WA 98685
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WA DOC LARCH CORRECTIONS CTR	15314 NE DOLE VALLEY RD YACOLT, WA 98675

<u>Contact 1</u> Name: LARCH O.D. Phone: (360) 260-6300 24 Hr Phone: (360) 260-6300	<u>Contact 2</u> Name: Tyrell Hettinger
WAFER RECLAIM SERVICES LLC	12001 B NE 60TH WAY VANCOUVER, WA 98682
<u>Contact 1</u> Name: ROBERT WITHEE Phone: (360) 254-0221 24 Hr Phone: (360) 953-7808	<u>Contact 2</u> Name: KENNETH IVEY Phone: (360) 254-0221 24 Hr Phone: (360) 562-6679
WAFERTECH LLC	5509 NW PARKER ST CAMAS, WA 98607
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<u>Contact 1</u> Name: JASON HUDSON 24 Hr Phone: (503) 318-1572 Phone: (360) 944-2374	<u>Contact 2</u> Name: KEN ELDRED 24 Hr Phone: (360) 901-2085 Phone: (360) 449-5827
WEST VANCOUVER MATERIALS RECOVERY CTR	6601 NW OLD LOWER RIVER RD VANCOUVER, WA 98660
<u>Contact 1</u> Name: Erwin Swetnam III Phone: (360) 737-1727 24 Hr Phone: (360) 904-0667	<u>Contact 2</u> Name: Sherry Kehoe Email: Sherryk@wcnx.org Phone: (360) 737-1727
WILCO WINFIELD LLC BATTLE GROUND	815 W MAIN ST BATTLE GROUND, WA 98604

<u>Contact 1</u> Name: Michael Gerig	<u>Contact 2</u> Name: Deb Bonnin Email: dbonnin@wilco.coop Phone: (360) 858-5213
WS DOT FARGHER LAKE	36520 NE LEWISVILLE HWY LA CENTER, WA 98642
<u>Contact 1</u> Name: NORM PAYTON	<u>Contact 2</u> Name: RICK HAZEN Phone: (360) 905-2205 24 Hr Phone: (800) 260-4214
WS DOT VANCOUVER	4200 MAIN ST VANCOUVER, WA 98663
<u>Contact 1</u> Name: BOB KOFSTAD Phone: (360) 905-2130 24 Hr Phone: (800) 2604214	<u>Contact 2</u> Name: NORM PAYTON
WS DOT VANCOUVER ACES	11018 NE 51ST CIRCLE VANCOUVER, WA
<u>Contact 1</u> Name: RICK HAZEN Phone: (360) 905-2205 24 Hr Phone: (206) 440-4490	<u>Contact 2</u> Name: Bob Kofstad 24 Hr Phone: (206) 440-4490 Phone: (360) 905-2130
WSU VANCOUVER SALMON CREEK	14204 NE SALMON CREEK AVE VANCOUVER, WA 98686
<u>Contact 1</u> Name: JAMES MARTIN Email: JMMARTIN@VANCOUVER.WSE.EDU Phone: (360) 546-9591	<u>Contact 2</u> Name: JAMES MARTIN Phone: (360) 546-9591 24 Hr Phone: (360) 690-0465

Appendix B – Chemical Release Notification Guide – Clark County

Required Notifications

Required to be notified	Requirement	Contact	24-hour emergency response hotline
911	For any incidents that impacts or threatens public health, safety, environment, or property.	911	911
LEPC and/or Tribal Emergency Response Commission Community Emergency Coordinator	Within 15 minutes for all releases at or above the CERCLA reportable quantity NOTE: Spillers must notify all impacted LEPCs; For Oregon jurisdictions, notify OERS.	CRESA Emergency Management Program Oregon Emergency Response System (OERS)	911 (800) 452-0311
National Response Center (NRC)		Emergency 24 hour center	800-424-8802 http://www.nrc.uscg.mil/
State Emergency Response Commission (SERC)		Washington State Emergency Operations Center, Alert and Warning Center (AWC). AWC is the point-of-contact for SERC notifications.	800-258-5990

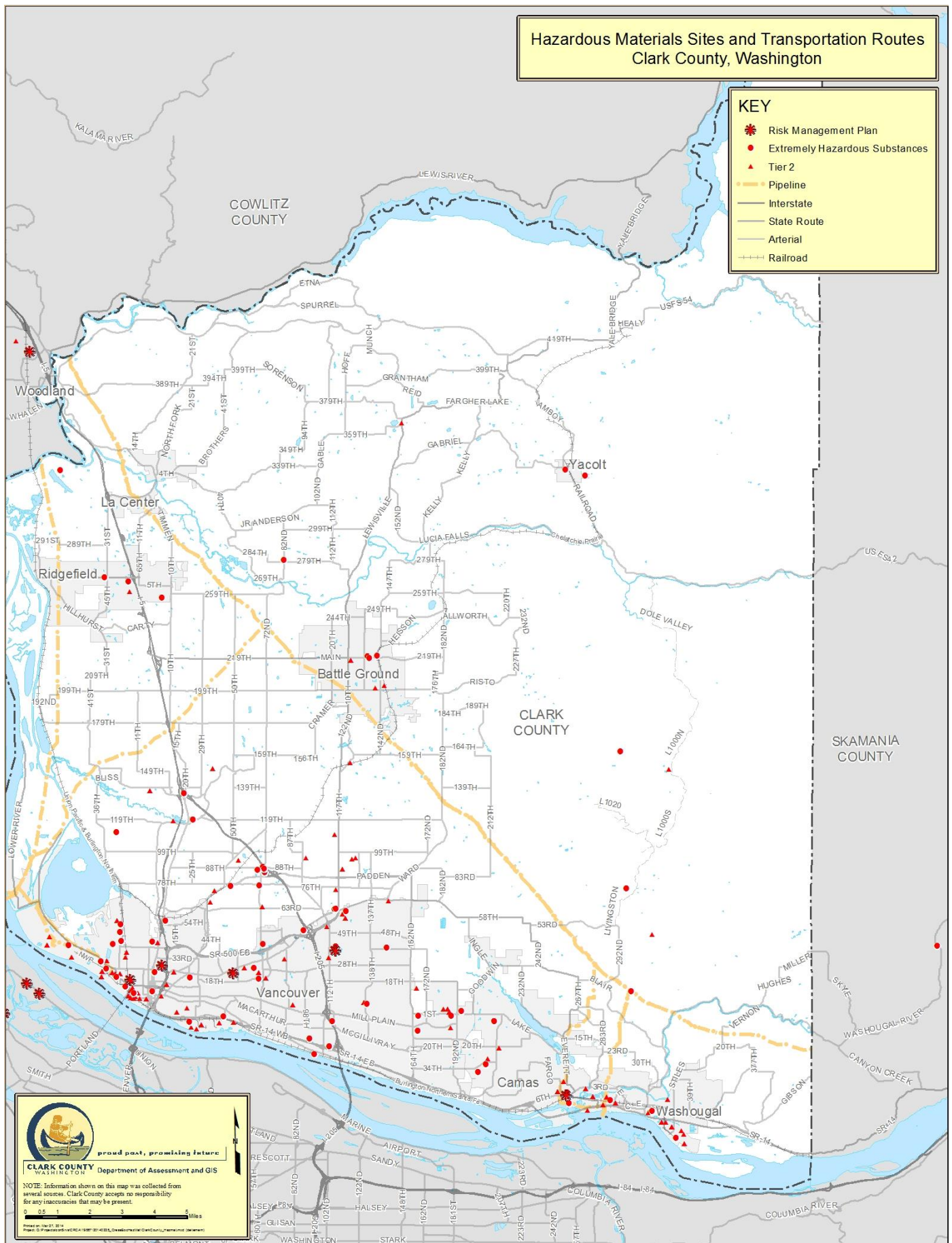
Supplementary and Incident-Specific Notifications

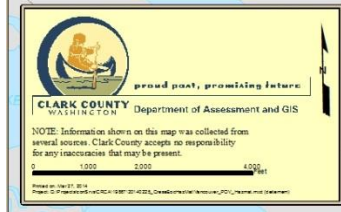
Additional Notification Requirements – by spill location		
IF spill is on or to:	Contact:	Phone
Surface water, coastal navigable waters (Columbia R. to Bonneville Dam)	United States Coast Guard Washington State Department of Ecology (via State EOC)	503-240-9325 800-258-5990 or 360-407-6300
Surface water, inland waters (waters of the state)	Washington State Department of Ecology – Southwest Regional Office Environmental Protection Agency (via NRC)	800-258-5990 or 360-407-6300 800-424-8802 http://www.nrc.uscg.mil/
Surface water	Clark County Public Health	360-397-8153
On state roadways	Washington State Patrol (in compliance with RCW 70.136.030)	360-992-4000
On state roadways	Department of Transportation (Washington, SW Region)	360-696-6162
Air -for spills or emissions involving release of a significant amount of air pollutants, possible clean air act violations, odor complaints, and illegal burns	Southwest Clean Air Agency (SWCAA) of Washington	360-574-3058 or 1-800-633-0709

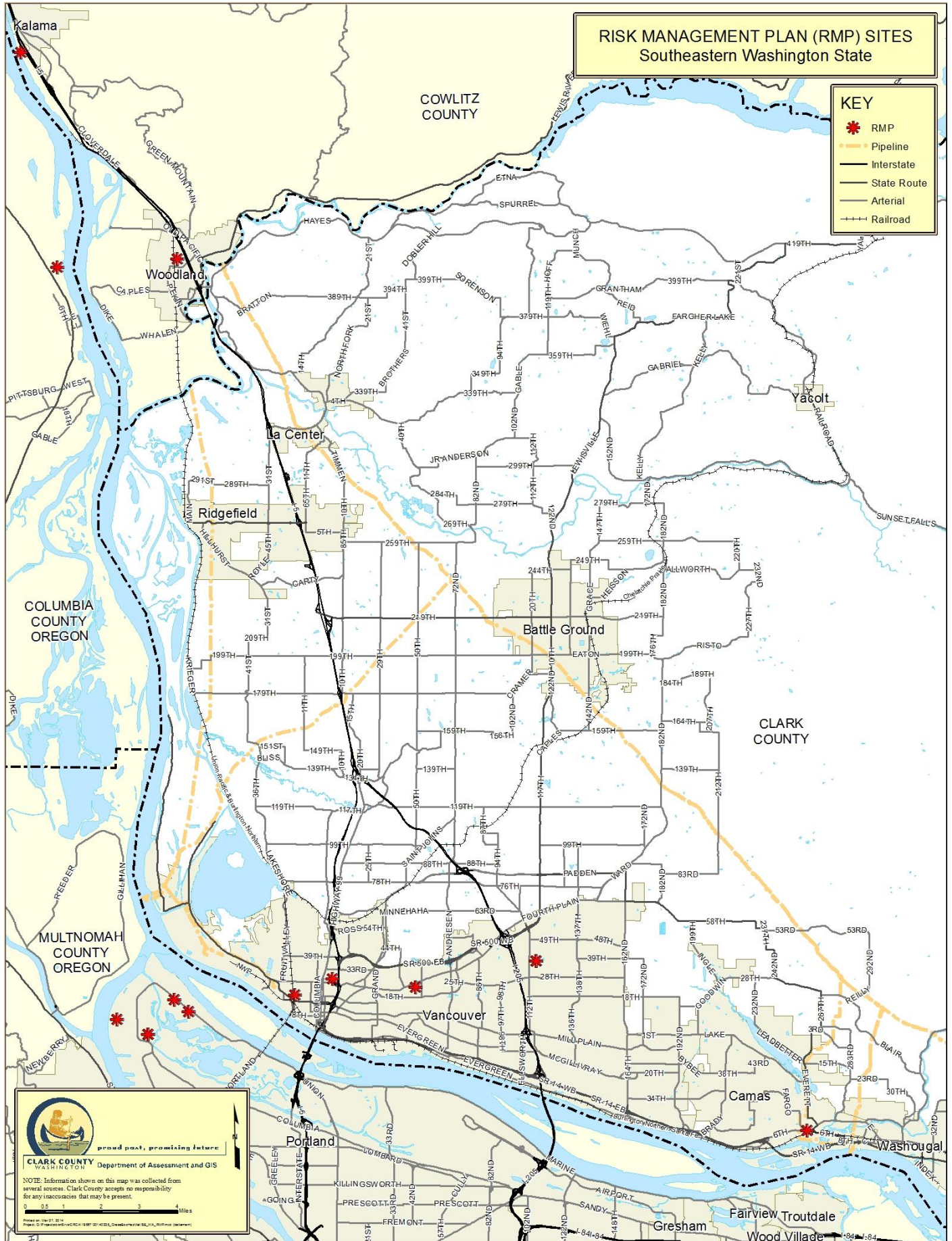
Additional Notification Requirements – by spill location		
IF spill is on or to:	Contact:	Phone
Surface water or sewer system inside incorporated boundary	Appropriate water or wastewater agency (public works agency or Clark Regional Wastewater District) Clark County Department of Environmental Services (stormwater manager) Vancouver Public Works (for storm drains) CRWD Clark Public Utilities	 360-397-2121, x4392 696-8177 993-8823 992-8000
Department of Natural Resources lands	Department of Natural Resources (SW Region)	800-527-3305
If incident involves radioactive material	Washington State Department of Health – Office of Radiation Protection	(206) NUCLEAR (206-582-5327)

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Appendix C – Hazmat Sites and Transportation Routes







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