Wolverine Mine
Emergency Response Plan

Wolverine Mine Admin Buildings	**Lat : N55° 03' 40"**	**Long: W121° 15' 05"**

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1 INTRODUCTION

This plan has been developed and compiled by the Health & Safety Department. It contains practical rules, procedures and allocation of responsibilities for a better planning of emergency response and control.

The Emergency Response Plan is to be provided to all internal areas of management and contractors. Compliance with the relevant provisions of the Emergency Response Plan during an emergency will facilitate information flow and provide support and assistance. The Emergency Response Plan will be reviewed following any incident, to determine if the planned response procedures were adequate or require revision.

To familiarize all employees with the contents of this Emergency Plan, it is essential for the supervisors to review pertinent sections of the Emergency Plan together with their employees:

- When they are new or when they have been transferred to a new area,
- When their duties and the responsibilities assigned to them within the department have been changed or modified, and
- When they are assigned to a specific duty within this Plan.

2 EMERGENCIES

An emergency is an event that generates real or potential danger/risks at a Walter Energy Operations (on site or off site), that directly affect:

- The people
  - health and welfare of Walter Energy employees
  - health and welfare of members of the general public
- The property
- The process
- The environment
- The reputation of Walter Energy

An event need not be directly related to Walter Energy operations to adversely affect company reputation. Public, media and/or government perceptions about our industry and its products can have long-term impacts. All major occurrences described below, regardless of cause, therefore constitute an emergency.

2.1 General Level of Emergencies

Wolverine Mine incident reporting policy requires that all levels of emergencies be reported to area Supervisor, site Manager and H&S Representative; the urgency shall depend on the severity of the situation.

EMERGENCY RESPONSE LEVELS
Level 1 "Low": Green
A "Low Level" emergency can be controlled by area personnel from the affected area.
Level 2 "Medium": Yellow
A "Medium Level" emergency cannot be handled by the personnel of the affected area. The Mine Rescue Team is required. It does not exceed the resources of the site.
Level 3 "High": Red
A "High Level" incident is one which exceeds the resources available at the site and outside help, such as government, industry and or corporate, is required.

The highest severity rating for any individual risk factor determines the overall severity rating of the emergency.

3 COMMUNICATIONS

***Note:** Due to Wolverine's idle status, only **WCC 3** is in use for **ALL** Mine Site communications.

3.1 Emergency Communication/Incident Notification

EMERGENCY COMMUNICATION / INCIDENT NOTIFICATION
EMPLOYEE / BYSTANDER
Emergency Communications 1. By Radio WCC 2* Pit Operations Channel / MAYDAY – MAYDAY – MAYDAY - I have an Emergency 2. Call security on channel WCC 1* or by phone – (250) 242-6022 ext. 36188 3. Report significant details of the incident: **Provide the following information:** 1. Your name, area and company 2. Location of the Emergency 3. Description of the Emergency 4. Number of injured persons if any and their health condition 5. Telephone or radio number you are calling from 6. **Notify your Supervisor** • DO NOT CALL the local media to report the emergency • DO NOT CALL the family or friends of the persons involved in the emergency (Management will take charge of making such calls) • DO NOT CALL the government agencies (Management will take charge of making such calls)
SECURITY - Incident Communications / Dispatch
1. Confirms the Level of Emergency 2. Security acts as communications/dispatch during incident 3. Activate & dispatch Emergency Response Teams & appropriate resources if not already activated 4. Initiate Incident Report & Communications Log immediately logging all pertinent communications and events
SUPERVISOR - On Scene Commander (OSC), Senior Area Supervisor present at the scene
1. Confirms/determines the Level or Emergency: Level 1 GREEN | 2 YELLOW | 3 RED 2. Informs Security of the resources needed at the scene. 3. Directs the on-scene activities. 4. Initiates the dispatch of the resources for the appropriate response: • Site Mine Rescue or First Aid • RCMP, BC Ambulance, Forestry Fire Service etc. • Medical: Medical Response Technicians (MRT's) • Fire: Fire Rescue Hazmat Techs, FRHT's • Rescue/HAZMAT: Fire Rescue Hazmat Techs, FRHT's • Site Health and Safety Superintendent or on-call Health and Safety representative. 5. Contacts the Mine Manager or designate senior on call or the next higher level to report the Level of Emergency and response needs.
MANAGER - Incident Commander (IC), Senior Manager at the site or project
1. Confirms or determines the Level of Emergency & assumes command at pre-designated Incident Command Post (Wolverine Mine Security). 2. Responsible for the overall management of an emergency. 3. Evaluates the emergency and determines whether the **Site Crisis Team** (Crisis Management) is activated per the ***SCT Response Severity Matrix*** or whether site Standard Operating Procedures will suffice. 4. Determines if government agencies are to be notified as well as emergency contacts of affected personnel.

3.2 Initial Radio and Task Procedure

INITIAL RADIO AND TASK PROCEDURES WHEN AN EMERGENCY IS DECLARED
When a MAYDAY is called: • **Pit Operations Channel WCC 2*** is reserved for Emergency Incident Reporting, Management & High Priority Communications only • **All Employees Monitor WCC 2*** to stay informed of the incident and listen for updates & instructions. Maintain radio silence unless you have a Priority Message • **Cease High Risk Activities** in the initial stages of any reported emergency until a status can be determined by Management • **Wait For Instruction -** Communications my be done with briefness on regular assigned channels to ask or receive instructions from your immediate Supervisor &/or Management • **Prolonged Work Interruptions** will be at the discretion of the On-site Commander • **Evacuation Ordered -** Proceed to designated Muster Points Pit as per section 7.2 of this document

3.3 Wolverine Mine Radio Channels

WOLVERINE MINE RADIO COMMUNICATIONS			
Radio Channel	Area	Receive	Transmit
WCC 1*	Security/First-Aid	151.835	151.835
WCC 2	Pit Operations (Repeater)	162.225	167.325
WCC 3	Process Plant	165.840	170.820
WCC 4	Drill/Blast	155.955	155.955
WCC 5	Supervisor	155.190	155.190
WCC 6	Pit Operation	162.225	162.225
WCC 7	Maintenance	155.625	155.625
RR12	Wolverine FSR	150.500	150.500
RR25	Perry Creek FSR	151.310	151.310

3.4 Wolverine Mine Contact Information

Wolverine Mine Key Phone Numbers	
Security/Emergency Services	**250.242.6022**
General Manager Al Kangas	250.242.6023
Cell / Night	[redacted]
Mine Manager John Moberg	250.257.5777
Cell / Night	
Health & Safety Manager Derek Blackwell	250.242.7596
Cell / Night	
Maintenance Superintendent Dale Schraeder	250.242.6000 ext. 36242
Cell / Night	[redacted]
Plant Manager Chris Caisley	250.242.8582
Cell / Night	
Environmental Manager Alex Brissard	250.788.7671
Cell / Night	[redacted]
Human Resources Manager Hugh Kingwell	250.242.6024
Cell / Night	[redacted]
Human Resource Advisor Jan Legaspi	250.242.3764 ext.2051
Cell / Night	[redacted]

3.5 Ministry of Energy and Mines Contact Information

Title	Name	Phone Number	Email
Inspector of Mines	**Al Hoffman**	250-952-0494	Al.Hoffman@gov.bc.ca
Deputy Chief Inspector of Mines, Health & Safety	**Rolly Thorpe**	250-952-0471	Rolly.Thorpe@gov.bc.ca
Deputy Chief Inspector of Mines, Permitting	**Diane Howe**	250-952-0183	Diane.Howe@gov.bc.ca
Regional Director Southwest & South Central	**Joe Seguin**	250-371-6051	Joe.Seguin@gov.bc.ca
Assistant Deputy Minister	**David Morel**	250-952-0473	David.Morel@gov.bc.ca
Deputy Minister, Ministry of Energy, Mines and Natural Gas	**Steve Carr**	250-952-0504	Steve.Carr@gov.bc.ca

Emergency Management BC (EMBC)

Emergency Coordination Centre (24 hours a day): 1-800-663-3456

Ministry of Environment – Environmental Emergency Program

Enforcement and Environmental Safety Programs Officers: 1-800-663-3456 (via EMBC)

Transportation Safety Board of Canada (Gatineau, Quebec)

Phone: 1-800-387-3557

4 GENERAL RESPONSIBILITIES

Regardless of who assumes the role of On Scene Commander, every Supervisor or Manager has the responsibility for the safety of their personnel during the emergency.

General Responsibilities of All Employees

The following are general responsibilities for all employees to follow in the event of an emergency, (a person's specific roles and responsibilities may differ):

- Notify their supervisor of the emergency situation.
- Report the emergency as described in Section two of this plan.
- Provide help until the appropriate response team arrives.
- Never place yourself or others in danger, especially during fires, or chemical emergencies.
- If an alarm is sounded or you are instructed to do so, evacuate the area to designated assembly points and stay there until you are instructed to leave.
- If an evacuation takes place, follow the directions. Make sure you and any visitors you are responsible for are accounted for by your supervisor.
- If you are responsible to perform shutdown procedures, know your responsibilities and perform them accordingly.
- Make sure that shutdown procedures for your area are completed.
- Control the employees at your assembly point until notice is given to either return to your work area or proceed with an evacuation to a safe area as directed by the Incident Commander.
- If responders are already at the scene of an emergency, do not go to the scene to watch or offer assistance unless you are called to the scene by the On Scene Commander or Mine Rescue Team Captain, (ERTC).

Loss Control

Primary function is to provide first aid in the event of an emergency. Loss control will support the Incident commander with incident communications and dispatch as required.

Health & Safety Coordinator

Liaise with H&S superintendent, Site Crisis Team (SCT), Emergency Response Teams and relevant personnel. Coordinate assistance for the incident & and disseminates warnings and information as required.

Health & Safety Manager

Liaise with the Site Crisis Team (SCT), Emergency Response Teams and relevant personnel. Coordinate assistance from outside organizations if required and disseminates warnings and information as required.

Emergency Response Coordinator

The Emergency Response Coordinator will normally be the Safety Coordinator or Safety Manager. The Emergency response coordinator or his designate must be contactable at all times, both during office hours and after hours. During office hours, the coordinator must be in close proximity to a radio, page phone or telephone. As a result the Coordinator may not actually direct the operation of the mine rescue teams; the Team Captains will, where at all possible, seek the coordinators approval prior to commencing any interventions that could endanger either Mine Rescue Team Members or other personnel. The Captain has the right to refuse any tasks he considers are an unacceptable risk to the team.

Supervisors - On Scene Commander (OSC)

The responsibilities of General Foreman/Supervisors are as follows:

- Designate a person to go to a highly visible area and guide emergency vehicles to the emergency area.
- Prevent further loss by sectioning off the area and/or evacuating any unnecessary personnel.
- Ensure the safe and orderly evacuation of personnel if an evacuation is called.
- During an evacuation, Supervisors are responsible for ensuring their areas are cleared of workers. This may be done by using a "Warden" system which is where an individual is assigned to be the last person out of an area and verifies that all people are out. Another way to verify that an area is cleared is to take a head count of personnel at the assembly point.
- Supervisors will report to their immediate Manager and convey any new information regarding personnel, including any missing personnel and/or any individuals that normally work elsewhere.
- The senior employee(s) at each assembly point should communicate with one another to determine the location of any missing personnel.
- If missing personnel are assumed to be inside the evacuated facility/area, the most senior employee at the assembly point should contact the Mine Rescue Team Captain, or On Scene Commander, immediately. The Response Team will conduct a search and rescue operation.

Area Managers

The Department Manager will be responsible for verifying that all areas are cleared of personnel. Personnel to be accounted for include employees, contractors, delivery personnel, temporary workers, and visitors under their supervision.

If the emergency has arisen in his area or will affect his area he will remain there and report to the Site Manager and assist with the coordination of emergency response efforts.

Mine Manager

It is the responsibility of the Mine Manager to inform the Ministry of Energy and Mines of any emergency. They manage the emergency & assume the Role of Incident Commander (IC). In their absence a manager representative or designate must assume this role at the pre-designated Incident Command Post (ICP). When the appropriate Manager is not on site the General Foreman/Supervisor or his designate will assume responsibility for their department, manage the area and provide support to the rescue efforts.

The Site Manager shall evaluate the incident per the Site Crisis Severity Matrix and determine whether the entire Site Crisis Team is to be activated and what roles are required.

5 CRISIS MANAGEMENT

5.1 Headquarters Crisis Management Team

ROLE	NAME	CONTACT INFORMATION
Chairman	Dan Stickel	O: 304-872-9683 ext 202 [redacted] email: dan.stickel@walterenergy.com
(Alternate)	Rich Donnelly	O: 205-481-6104 [redacted] email: rich.donnelly@walterenergy.com
Coordinator	Dan Grucza	O: 205-745-2728 [redacted] email: dan.grucza@walterenergy.com
(Alternate)	Kathy Love	O:205-745-2669 [redacted] email: kathy.love@walterenergy.com
Legal	Earl Doppelt	O:205-745-2741 [redacted] email: earl.doppelt@walterenergy.com
(Alternate)	Guy Hensley	O:205-745-2755 [redacted] email: guy.hensley@walterenergy.com
Human Resources	Tom Lynch	O: 205-745-2740 [redacted] email: tom.lynch@walterenergy.com
(Alternate)	Kelli Gant	O:205-745-2722 [redacted] email: kelli.gant@walterenergy.com

5.2 Divisional Crisis Management Teams

ROLE	NAME	CONTACT INFORMATION
Division President	Dan Stickel	O: 304-872-9683 ext. 202 [redacted] email: dan.stickel@walterenergy.com
Crisis Coordinator	Al Kangas	O: 250.242.6023 [redacted] email: al.kangas@walterenergy.com
Human Resources Coordinator	Hugh Kingwell (Wolverine)	O: 250-242-6000 ext. 36024 [redacted] email: hugh.kingwell@walterenergy.com
	Jack Russell (Brazion)	O: 250-788-8842 ext. 30132 [redacted] email: jack.russell@walterenergy.com
Communications Coordinator	Calven Swinea	O: 205-745-2630 [redacted] email: calven.swinea@walterenergy.com
DCMT Spokesman	Dan Stickel	O: 304-872-9683 ext. 202 [redacted] email: dan.stickel@walterenergy.com
Safety representative	Derek Blackwell	[redacted] email: derek.blackwell@walterenergy.com
Administrative Assistant	Lorraine Vivian	O: 250-242-3764 ext. 2014 [redacted] email: lorraine.vivian@walterenergy.com

5.3 Crisis Management Resources

Tumbler Ridge Meeting Rooms

Crisis Team Staging Area	24 Collier Place, Tumbler Ridge, BC Contact #250.242.5109
Family Staging Area	Tumbler Ridge Community Center-Rooms 4 and 5. 340 Front Street, Tumbler Ridge Director of Community Services-Chuck Jensen Contact #250.242.4246 Afterhours - Contact 250.242.5975 or 250.257.1604 Jason Collison, Contact 250.242.4928 or 250.257.1607 Ken MacEachern, Contact 250.242.8656
Media Staging Area	Tumbler Ridge News 120-230 Main Street, Tumbler Ridge Lorraine Funk, contact 250.242.5343 or 250.242.5900

Chetwynd Meeting Rooms

Crisis Team Staging Area	4804-47th Street, Chetwynd, BC (need contact number)
Family Staging Area	Chetwynd Community Center-Talisman Cottonwood Meeting Room 4552 N Access Road, Chetwynd, BC Director - Randy Rusjan Contact #1.250.788.2214 or 1.250.788.5977
Media Staging Area	Pomeroy Inn - Chetwynd 5200 Access Road, Chetwynd, BC Contact #1.250.788.4800.

5.4 Site Crisis Team

The Walter Energy Crisis Response is designed to begin developing at the time an incident occurs and continues until the requirement for management of emergency operations no longer exists. The structure of the SCT can be established and expanded depending upon the changing conditions of the incident.

Walter Energy Corporation has a management system which consists of "Crisis Teams" at each level of the organization. Management is given training and a structured process to provide guidance in the event of an incident, which may have the potential to seriously damage the Company.

Crisis Management achieves this by:

- Providing appropriate support to an affected site and/or region in its technical response to an incident.
- Minimizing the impact on the Company by considering environmental, strategic, legal, financial and public image aspects of the incident.
- Ensuring communications are being carried out in accordance with legal and ethical requirements.
- Identifying actions which cannot be managed by the on-scene personnel.

5.4.1 Site Crisis Team (SCT) Organization

The SCT is commanded by a Leader, who is the Site Manager; there is a list of alternates in case the Manager is not available. SCT is placed on alert in case of Medium Level Emergency. During a High Level Emergency all the activities will be directed by the SCT Leader.

5.4.2 Responsibility of the Site Crisis Team

The Site Crisis Team (SCT) is responsible for the overall management of the emergency situation. This includes all the human resources, equipment, material and supplies, communication, production and decisions at the site. The SCT, should it be necessary, will have external support divisions.

SCT Chair - (Incident Commander)

- Oversees the overall operational response and well-being of people involved in, or affected by, any incident or issue.
- Liaises with the Divisional Team & Corporate Teams to develop plans to get operations back to normal as quickly as possible.
- Activates all or portions of the Incident Command Center ICP Team as seen necessary.

Site Crisis Team Coordinator

- Acts as the local administrator of the SCT.
- Coordinates and maintains the SCT.
- Ensures the SCT Team follow the intent of the roles and process as defined (to assist a smooth and effective response).
- Monitors and reports on completion of SCT members' pre-incident responsibilities.
- Coordinates location specific input to contacts management.
- Maintains and updates the SCT response packs.

Log Keeper

- Maintains a chronological record of events as they occur in the SCT for reference purposes during and subsequent to the incident response.

Safety Adviser

- Ensures that immediate and chronic effects on physical and mental health are monitored and minimized during an operational response.
- Advises and assists the Incident Commander on risk management issues.

Emergency Services Coordinator

- Liaises and coordinates with emergency services and response teams.

Human Resources Advisor

- Ensures all legislative and ethical commitments in regard to the treatment of employees and the families are acted on and fully understood by the SCT Team.
- Ensures that all associated statutory reporting is carried out.

Environmental Adviser

- Ensures immediate and long-term effects on the environment and ecology of an incident are monitored and minimized.
- Ensures any potential environmental liabilities are monitored and minimized.

Security Adviser

- Monitors and advises on local security issues with potential to impact on Walter Energy operations.
- Provides specialist security advice to the SCT during incidents or issues.

Operations Coordinator

- Assumes control of all operations not directly affected by the emergency situation.
- Provides and coordinate logistics and resource support as required by the SCT Team whilst maintaining operational continuity.

Exploration Coordinator

- Facilitates communication and coordination between the SCT and any exploration activities on the mining lease.

Communication/Control Room Coordinator

- Manages and equips the SCT with the appropriate communications equipment.
- Supports the flow of information to assist the smooth and efficient operation of the SCT.

External Relations Coordinator

- Ensures that the company's communication policy is adhered to throughout the incident.
- Coordinates all emergency-related media and public relations activities to ensure that all relevant stakeholders are reached.

Spokesperson

- Represents the company to the media and other external audiences as directed by the Incident Commander (Site GM).
- Everything said should be considered to be "on the record" and thus public property and subject to broadcast.
- This position could be delegated to the site GM/Incident Commander leader, other delegate or a Divisional Team Leader appointed delegate dispatched to site.

5.4.3 Site Crisis Severity Matrix

All Crisis events are considered against the following matrix. It provides a description of the types and/or outcomes of Site Crisis events, the measurement of severity and the teams that would usually be involved.

The highest severity rating for any individual risk factor determines the overall severity rating of the incident or issue.

All SCT events are considered against the following matrix. It provides a description of the types and/or outcomes of SCT events, the measurement of severity and the teams that would usually be involved.
The highest severity rating for any individual risk factor determines the overall severity rating of the incident or issue.

SCT Severity Matrix			
Outcome / Response BY:	**LOW** **SCT SITE**	**MEDIUM** **RCT REGION**	**HIGH** **CCT CORPORATE**
Personal injury	Injury involving hospitalization	Single fatality or multiple injuries	Multiple fatalities
Missing personnel	One or more people not accounted for	One or more people confirmed missing	One or more people confirmed missing >24hrs
Terrorism, Kidnap, Extortion, Sabotage	Threats to individuals or structures from known individual or organization	Confirmed threats without actions	Escalated threats or actions involving harm and/or significant damage
Environmental	Low level incident, site contained, requiring regulatory reporting	Incident resulting in offsite contamination and regulatory reporting	Significant incident which has across company implications
Production loss	Reduction of >25% normal capacity for a period of up to one month	Total loss of production or >25% loss for more than one month	Total loss of production for more than one month
Technical difficulty	Inability to operate at design capacity due to known problem	Inability to operate at design capacity due to unknown problems	Continued operating problems >3 months
Major contractor, supplier or partner Issue	No disruption to supply or activities	Supply or services disrupted with threat to production	Joint venture partner in crisis
Financial issue	Site accounting issue with ability to resolve	Cashflow or accounting issues involving multiple sites or no resolution on site	Cashflow or accounting issues requiring public disclosure
Community / NGO action	No immediate likelihood of media interest	Community threat or use of media for publicity	Likelihood of national media attention
Media coverage	No company response warranted	Response required to local or state media article	Response required to nationwide media attention
Regulatory authority action	Action relating to site incident or issue	Action which has implications across multiple sites	Action with company wide implications
Government action	No loss of control	Western Coalcontrolling with higher than normal government interest	Threat of government interference with operations
Civil Unrest	Local disruption with no imminent threat to site	Local disruption with possibility of affecting operations	Civil unrest or hostile threat from change in government
Labor Unrest	Local disruption affecting operations/production	Disruption which has implications across multiple sites	Disruption with company wide implications
Loss of Senior Personnel	Accident/illness adversely affecting normal operational management capabilities	Accident/illness affecting normal regional management capabilities	Accident/illness affecting Western Coalcorporate management capabilities
Other Criminal Acts	Illegal act which threatens to cause local disruption	Illegal act which threatens to cause national/international disruption	Illegal act which threatens Newmont's corporate governance reputation
Business / publicity opportunity	Low level discussions without commitments	Formal discussion or prepared statement required	Opportunity has company wide implications

Figure 1 - Site Crisis Severity Matrix

6 GENERAL EVACUATION

6.1 Employee Responsibilities during Evacuation

- Know the location of all the emergency exits in your work area, particularly the nearest one to you.
- When the alarm for the evacuation of your area is sounded and/or the notification is given by your supervisor, immediately stop what you are doing and go, in an orderly manner, to the designated Assembly Point. Under no circumstance will employees attempt to go to a more distant area by circulating through a building/area that is being evacuated.
- The most senior employee will be in charge of the headcount of personnel present, accounting for absent personnel, and notifying your supervisor/ERT/Security about the evacuations.
- ALL alarms and instructions MUST be obeyed and followed.
- When you leave your work site, CLOSE ALL DOORS AND WINDOWS. If you have enough time, close valves, shut off equipment, computers, office equipment and lights; safeguard confidential information by locking desks and file cabinets.
- If your office door automatically locks, TAKE YOUR KEY WITH YOU.
- If you are the last person to leave the area, check that all work areas are emptied of personnel, provided that circumstances and time allow you to do so.
- Personnel that work in critical areas of the process must perform the emergency shutdown procedures established for these areas.
- Use your good judgment to determine whether there is enough time to disconnect equipment without endangering yourself and the others. In case of doubt, choose your own safety first.
- **WALK, DON'T RUN**. In an emergency, move fast but don't run. Remain in control, do not panic.
- Avoid smoke-filled environments. If a space that is full of smoke is the only exit route, crawl or escape through a window.
- Don't talk, unless it is absolutely necessary so you may hear any warning or audible dangers.
- Go to the Assembly Point assigned to you, being careful of possible traffic and other dangers. Make sure that you establish contact with your supervisor (or the designated person) as soon as possible. After you reach the assembly area, stay there until you are given further instructions.
- **If you are not in your customary work area, report to the supervisor of the area where you are, giving him/her also the name of your supervisor. Do not try to return to your customary work area unless instructed to.**
- Those people who know of lost personnel should immediately inform their supervisor.
- Groups whose supervisor is not present in the assembly area must report to the most senior employee available.
- Do not re-enter the evacuated area or return to the scene of emergency to look for or offer aid, unless the Leader of the SCT specifically requests your presence.

6.2 Assembly Points In Case of Emergencies

The Assembly Points are designed to be used by personnel during an evacuation due to an emergency. In case of bad weather (storm, earthquake), buses will be sent to the evacuation zone to avoid exposure of the evacuees to the inclemency of the weather.

The following areas are designated Assembly Points in the event of an emergency:

- **920 Bench** All workers assigned to duties in the field
- **Clean Lab** All workers assigned to duties near the process plant and dryer complexes
- **Security** All workers assigned to duties near the maintenance shop/dry and admin

Generally an Assembly Point is defined as an area that is:

- A minimum of 15 meters distance from the affected facility
- Located against the wind and uphill

6.3 Accounting for Personnel - Headcount

The supervisor or most senior employee will be responsible for counting the personnel under their charge. This is done by performing the following steps:

- Ensuring that all the personnel leave their work area during the evacuation.
- When they have reached the designated Assembly Point, perform a headcount off all personnel (employees, contractors, visitors) who were in the work area at the time of the emergency.
- Once the head count has been completed, the supervisor should report to their immediate supervisor and convey any discrepancies in personnel, including any missing personnel and/or any individuals that normally work elsewhere. The use of a daily head count form should greatly assist with the accounting of personnel during emergency situations.
- In turn, each supervisor will report to their immediate supervisor until personnel information reaches the senior management person for each department at the assembly area. The senior management person for each department will account for all departmental personnel. This accounting should include all employees, contractors, delivery personnel, temporaries, and visitors under their supervision.
- Departmental management at each assembly area should communicate with each other to determine the location of any missing personnel.
- If personnel are deemed to be missing, the Incident Commander and Mine Rescue Team Captain should be contacted immediately.
- All supervisors shall keep their groups together at their respective assembly areas until the Incident Commander gives further instructions.

6.4 Search and Rescue

If a building has been evacuated, personnel shall not re-enter the building until the all clear signal is given, or directed to do so by the Incident Commander.

Members of the Mine Rescue Team are permitted to enter an area that has been evacuated to perform search and rescue before the all-clear signal is given. Search and rescue is the responsibilities of the Mine Rescue Team and will be conducted in accordance with their standard operating guidelines. The Mine Rescue Team Captain may enlist support from the Area Supervisor or their designate for knowledge of the area.

Note: There will be no search and rescue undertaken unless an adequate backup team(s) is ready and standing by.

6.5 Pit Evacuation

Notification to evacuate the will be made through radios and may only be authorized by the supervisor. Instructions will be given for the operations personnel in charge of vehicles to move to the Assembly Points that have been determined to pose no danger.

The personnel who do not have any vehicle or do not have access to one (such as operators of drills, blasting equipment, etc.) will be picked up by light vehicles. It is very important that these workers wait at the designated Assembly Point safely outside the emergency area.

6.6 Site Evacuation

The decision to conduct a full site evacuation will be made by the incident commander. The Site Crisis Team will be responsible for arranging transportation off of the property.

- The Site Manager must determine the final location of the evacuees.
- Transportation for the personnel must be coordinated.
- The headcount should be confirmed to ensure all personnel are accounted for.

6.7 End of the Emergency and Return to Work

The evacuated area must be left free of dangers. The Mine Rescue Team members will conduct a thorough inspection of the evacuated facilities. If there was a fire or if damage is found in the structures, the area must be inspected by Maintenance and Health Safety & Loss Control personnel to determine if the area is safe to be occupied.

Once the area has been declared to be safe, the On Scene Commander will notify the Mine Manger of this circumstance so that he proceeds to stop the emergency signal.

The On Scene Commander will transmit the order to stop the emergency signal through all channels. Transmission will include a description of the evacuated areas with the key phrase:
“All clear”/you can return to the area”.

This message must be repeated three consecutive times.

The employees may return to their work once the transmission of the end of the emergency has concluded.

A debriefing will be completed at the end of all emergencies. The debriefing session will be documented on the attached form. Debriefings need to address what was completed correctly and what improvements are needed. The Emergency Response Plan will be reviewed and, if necessary, updated.

7 EMERGENCY RESPONSE TEAM

7.1 Emergency Services Coordinator:

The Emergency Services Coordinator or his designate must be contactable at all times, both during office hours and after hours. During office hours, the Team Trainer must be in close proximity to a radio, or telephone. The Emergency Response Coordinator will be responsible for:

- Overseeing the actions of the Emergency Response/Mine Rescue Team
- Coordinating resources for the Emergency Response/Mine Rescue Team

As a result the Emergency Response Coordinator may not actually direct the operation of the mine rescue teams. The Team Captains will seek the coordinators approval prior to commencing any interventions that could endanger either Mine Rescue Team Members or other personnel.

7.2 Mine Rescue Team Captain

The Mine Rescue Team Captain reports directly to the Emergency Services Coordinator in an emergency. The Mine Rescue Team Captain directs the actions of the mine rescue team to rescue trapped or injured workers, protect the mine property from further damage, and rehab the affected area and equipment. The Captain has the right to refuse any task he considers an unacceptable risk to the team.

The Mine Rescue Team Captain will be responsible for:

- Knowing the Mine Recue Team Members available on site,
- Knowing the locations and status of rescue vehicles, and
- The direction and safety of team members during emergency situations.

7.3 Mine Rescue Team

In the event of an emergency, all Mine Rescue Team Members report directly to the Mine Rescue Team Captain. In the event of an emergency all members will report to the Mine Rescue Team Captain at the scene of the incident. Once assessment of the incident has been completed by the Team Captain any team members not required will be returned to their duties and remains on call until needed or the incident has been controlled.

8 INJURIES OR MEDICAL EMERGENCIES

8.1 Responsibilities

First on Scene Persons Duties

- Quickly assess the situation determining the number of injured persons, the severity of injuries and what resources may be required to deal with the emergency situation.
- Call the Site Security number. The dispatcher will dispatch the Emergency Response, Health, Safety, Loss Control and Medical Response teams to the accident scene.
- Give the dispatcher the following information:
  - Your name
  - The location of the accident
  - The number of injured persons
  - The nature of the injuries
  - The best route to be used to approach the accident location
- The dispatcher will contact the Mine Rescue Team.
- Do not move the injured unless they are in imminent danger.
- Stop passing vehicles/people and request assistance where required.

Injury or Medical Emergency on Scene Commanders Duties

- Assess the accident scene.
- Contact the Site Crisis Team to apprise them of the situation, notify them of what additional resources may be required, and update the information whenever the situation changes or additional information becomes available.
- Have someone present assist you with the communications and recording of information & times. (Assign a Log Keeper)
- Preserve evidence.
- Get the names of eyewitnesses and others who may have relevant information.

Injuries or Medical Emergencies Supervisors Duties

- Ensure that the Area Manager has been notified.
- If safe to do so, go to scene of emergency and assist with casualty management until Health & Safety representative and/or Mine Rescue Team arrives.
- Supervise safety medical responders.
- Control access to and preserve the emergency scene.
- Note and record all details of the incident as soon as possible.
- Prepare a report of the incident

Injuries or Medical Emergencies ERT

- Respond to the scene as directed by the OSC or Security
- Apply appropriate care following ERT Protocols
- The ERT Captain or Medic will keep the OSC informed of needs
- Provide medical assistance and/or evacuate the patients(s) safely and quickly

8.2 Use of STARS Helicopter Medevac Service

In the event of a single or multiple casualty emergency where patients fall into Rapid Transport Category (RTC) and transport to the Tumbler Ridge Medical Clinic will be delayed by 45 min or more the incident commander will initiate contact with the STARS Emergency Link Center. The STARS Emergency Link Center will review patient condition and help decide if Medevac via helicopter is necessary.

Contacting STARS Emergency Link Center 1-888-888-4567

- Walter Energy Incident Commander will initiate STARS call-out procedure
- Walter Energy Security will contact STARS Emergency Link Center with the following information:
  - STARS Site Number – **9229**
  - Location of Site (GPS Coordinates) **N55.04.56 W121.13.54**
  - Contact Phone Number for Site **250-242-6022**
  - Radio Frequency for Ground Personnel at Landing Zone **(WCC 1 - 151.8350 KHz)**
  - Number and status of patients

Setting Up STARS Landing Zone

- The mine rescue captain will designate a Landing Zone Officer (LZ Officer) to prepare the landing zone
- LZ Officer will retrieve the landing zone kit and hand held radio from security and receive ETA of helicopter
- The LZ Officer will proceed to the landing zone to ensure area is secured and cleared of any obstacle prior to helicopter arrival.
- The LZ Officer will monitor WWC 1 and provide the following information to the STARS pilot once communication is initiated:
  - Location of Landing Zone
  - Recommended approach route
  - Wind conditions
  - Nearby site hazards (trees, power lines, traffic, ground condition, etc)

9 FATALITIES

Personal injuries that result in fatalities require special action due to local law and conditions. If the injured party is clearly and definitely deceased, the remains are not to be moved until authorization is received from the RCMP, or the Medical Examiner. Wolverine Mine manager of Mining Legal Department or designate is responsible for notifying the Medical Examiner.

Due to the nature of fatalities, special emphasis shall be placed on investigating the accident, determining the causes and taking the necessary steps to prevent any reoccurrence.

All fatalities will be investigated by a Special Investigation Team made up of:

- The General Manager or his designate.
- The Department Manager
- The Superintendent of the Area Affected.
- The Health & Safety Superintendent
- The employee's supervisor
- Others, as determined by the General Manager / H&S and as circumstances require, e.g. technical advisors

Work Related Fatality –Supervisors Duties

- The Supervisor ensures to order the barricading of the area surrounding the accident scene to guarantee evidence is preserved.
- The Supervisor ensures that the Health & Safety personnel are notified immediately.
- The Supervisor shall notify promptly the following people:
  - His immediate Supervisor
  - The Area Manager
- The supervisor will confine the information to the facts of the accident, having made positive identification of the deceased. Radio discussions of the accident will be minimized and names will not be broadcast.
- The supervisor will preserve the accident scene and all physical information until relieved of this responsibility by the Health & Safety Representative, or employee he designated, or the Area Superintendent. Accident site visits will be limited to only necessary emergency response personnel, security personnel and managers, as required.
- The supervisor is responsible for completing a preliminary report of the accident. The Investigation Team will complete and distribute the final report as appropriate.

Work Related Fatality- Health, Safety & Loss Controls Duties

- Ensure that the scene is properly preserved, documented and evidence collected.
- Health & Safety will initiate legal reporting, to all agencies that have authorization in the case. H&S Superintendent will follow up to ensure that appropriate notifications have taken place.
- H&S Superintendent will inform Wolverine Mine's Senior Management and Corporate H&S VP.
- The Health & Safety Superintendent and other necessary management personnel will conduct a briefing session, if possible, with representatives from the local authorities prior to their inspection of the accident scene.
- The Health & Safety Superintendent will serve as a member of the Special Investigation Team.
- After all investigations have been completed, the Health & Safety Superintendent will prepare a final report of the accident in writing to the General Manager, Mine Manager and Area Managers. He will also include copies to be sent to the local authorities after approval by the Vice President, Health and Safety.
- No information will be given to any other source or agency without authorization from the General Manager.
- The Health & Safety Superintendent will return the accident site to its operational condition as soon as possible, being consistent with the requirements of the law.

Work Related Fatality – Department Manager Duties

- Advise promptly the facts of the fatality to the General Manager.
- Stand ready to act as required or directed by the General Manager.
- Serve as a member of the Special Investigation Team.

Work Related Fatality – General Manager Operations Duties

- Inform NEBC Crisis Management Team of incident so they may notify the family of the deceased as promptly as circumstances allow.
- Medical or H&S personnel will be responsible for arranging transportation of bodies off site.
- Once the emergency is under control, the General Manager will visit the accident scene to assist in the investigation.

10 HAZARDOUS MATERIALS AND CHEMICALS

10.1 Reporting of Spills

Any leak, spill, or release outside containment areas must be reported to the Environmental Department immediately. All external notification and reporting shall be conducted by the environmental department.

A spill report must be completed for every release. The form is available electronically on the intranet.

Uncontrollable spills must be reported to Environmental and Health and Safety departments:

For any Response to Emergencies involving the suspected presence of Biological Hazards, response procedures shall be in accordance with the ERT procedure dealing with Biological Hazard Emergencies.

Containment and cleanup activities shall only be performed as directed by H&S and/or Environmental personnel.

When handling chemicals, always refer to the Material Safety Data Sheets (MSDS).

10.2 Responsibilities

Supervisor's Duties

- Immediately notify the On-Call Environmental Department Representative and Security
- If safe to do so, try to identify what the chemical is.
- If people are in imminent danger, evacuate the area immediately.
- If a plume of gas is involved
  - If safe eliminate the source.
  - Determine the type and volume of material discharged
  - Notify personnel in the immediate area and those in areas which could be impacted
  - Evacuate the area to a location up-wind.
- If a fire, explosion or environmental danger exists, verify that the Emergency Response Teams have been notified.
- If safe to do so, isolate the source of the spill if possible, e.g. shut off valves, contain the spill, etc.
- Contact the other supervisors on shift and make them aware of the situation and hazards.
- Assist in the evacuation of the site, barricading, traffic control and site security.
- Conduct investigation together with an Environmental Representative and prepare report.

On-Site Commanders Duties

- Manage overall response with the Environmental Representative
- Convene the Emergency Response Team, if required.
- If the spill is reportable, contact the relevant authorities.
- Notify the Site Crisis Team of the situation.
- Security shall be assigned to control access to the affected area.
    - If a plume of gas is involved, ensure that measures have been taken to
    - Eliminate the source
    - Determine the volume of material discharged
    - Notify personnel in the immediate area and those in areas which could be impacted
    - Evacuate the area to a location up-wind.

Environmental Department Duties

- Proceed to spill area and assess situation. If possible, identify material and coordinate response efforts.
- Instruct responders as to the proper personal protection equipment to wear for the specific hazards associated with the spill.
- Take reasonable measures to prevent the release from becoming a major incident.
- Oversee ongoing containment and recovery of hazardous spill and rehabilitation of the affected area.
- Report spill to the appropriate external and internal parties as required.
- Handle, contain and dispose of all contaminated material in a proper manner, according to instructions per the provincial and federal environmental experts. (If waste is the responsibility of the mine, then all waste will be handled at the mine).

Emergency Response Teams and Team Leaders Duties

- In response to a spill, the Emergency Services Coordinator will direct the Mine Rescue Team in providing initial response and spill (land) containment efforts.
- Due to the nature of the Hazardous Chemical Spills and Releases, the Environmental Department will assume command of the emergency response for spills, and the ERT and Team leader will function under the direct supervision of Environmental personnel, for all actions other than the initial containment efforts.
- The Senior Environmental Personnel at the scene will act as technical advisor for minor spills; however they will assume direct responsibility for guiding the response team efforts in any “non-minor” spills or releases.
- The ERT supports the Environmental personnel and takes their guidance when responding to chemical spills or releases.

Note: For Detailed Spill Response See Spill Response Plan

GENERAL SPILL RESPONSE	
1. SAFETY AND DETECTION	➢ Assess safety situation to yourself and others. ➢ If you cannot identify the substance, evacuate immediately and follow step 4. ➢ If there is a risk or fire or explosion, evacuate immediately and follow step 4. ➢ Shut off ignition source(s) if safe to do so.
2. TRACE SOURCE	➢ Put on appropriate PPE. ➢ Trace the source of the spill. ➢ Determine if spill is continuing.
3. STOP or CONTROL	➢ Stop or control the leakage by shutting valves, plugging holes, moving mobile equipment – only if it is safe to do so.
4. EMERGENCY NOTIFICATION	➢ Activate the ERT via channel 1 ➢ Contact the On Call Environmental Personnel per the Environmental Internal Spill Reporting SOP. ➢ Contact Loss Control Personnel per the call out sheet. ➢ Contact site personnel per the call out sheet.
5. SECURE AREA	➢ Divert traffic and people away from the immediate area. Evacuate if necessary.
6. CONTAIN	➢ Contain the leakage using temporary berms, booms etc.
7. RECOVER PRODUCT	➢ Recover any free liquid into purpose built containers if possible. ➢ Recover absorbent booms etc.
8. CLEAN UP	➢ Clean-up the spill by pumping, absorbing, chemically treating. ➢ DO NOT SPREAD OR DILUTE SPILLS WITH DEGREASERS, DETERGENTS OR WATER.
9. DISPOSE	➢ Dispose of the spilt product as directed by the environmental department representative. ➢ Contaminated soil should be removed to an appropriate area (e.g. Hydrocarbon contaminated soil can be remediated).
10. CONFIRM CLEAN UP	➢ Clean-up all obvious contamination as directed by the environmental department representative; if contaminated area is indistinct (due to moisture, rain, etc) collect samples for analysis. ➢ All contaminated soil must be excavated or treated in place. Complete a Material Release Clean-Up Report and submit it to the ➢ Environmental Department within 24 hours of completion. ➢ Monitor the spill site to validate clean up and impact on the environment.
11. REPLACE USED EQUIPMENT	➢ Any equipment or materials consumed in the clean-up operation should be replaced as soon as possible.
12. MONITOR	➢ Monitor the spill site to validate clean up and impact on the environment.

11 GAS LEAK FROM WELL, PIPELINE OR GAS PLANT

11.1 NFPA Ratings for H_2S (see appendix B)

HEALTH 4 - deadly, even the slightest exposure to this substance would be life threatening.
FLAMMABILITY 4 - this substance is extremely flammable, volatile and explosive.

11.2 OSHA Exposure Limits

- **Permissible Exposure Limit** PEL = 20 ppm (Ceiling)
- **Time Waited Average** TWA = 10 ppm
- **Short Term Exposure Limit** STEL = 15 ppm
- **Immediate Danger to Life & Health** IDLH = 100 ppm

11.3 Locations of H_2S wells on or in proximity of Wolverine Mine

See Appendix C-E

11.4 Symptoms of H2S Exposure

The following table describes the symptoms that may occur at specific H_2S levels.

Concentration in parts per million (ppm)*	Observations and health effects
Less than 1	Most people smell “rotten eggs.”
3 to 5	Odor is strong
20 to 150	Nose and throat feel dry and irritated. Eyes sting, itch, or water; and “gas eye” symptoms may occur. Prolonged exposure may cause coughing, hoarseness, shorten
150 to 200	Sense of smell is blocked (olfactory fatigue).
200 to 250	Major irritation of the nose, throat, and lungs occurs, along with headache, nausea, vomiting, and dizziness. Prolonged exposure can cause fluid buildup in the lungs (pulmonary edema), which can be fatal.
300 to 500	Symptoms are the same as above, but more severe. Death can occur within 1 to 4 hours of exposure.
Above 500	Immediate loss of consciousness. Death is rapid, sometimes immediate.

11.5 Emergency Overview

Hydrogen Sulphide is a toxic, flammable, colorless, liquefied gas. Hydrogen Sulphide has a distinct "rotten-egg" smell. The odor cannot be relied on as an adequate warning of the presence of Hydrogen Sulphide because at high concentrations olfactory fatigue occurs. Inhalation of high concentrations of this gas can result in unconsciousness, coma, and death. Direct contact with liquid Hydrogen Sulphide can cause frostbite. Hydrogen Sulphide poses an immediate fire hazard when mixed with air. The gas is heavier than air, and may spread long distances. Distant ignition and flashback are possible. Flame or high temperature impinging on a localized area of a cylinder of Hydrogen Sulphide can cause the cylinder to explode without activating the cylinder's relief devices. Provide adequate fire protection during emergency response situations. Contact with the liquid (or, contact with rapidly expanding gases) may cause frostbite.

EMERGENCY TELEPHONE NUMBERS
(800) 523-9374 Continental U.S. and Canada

11.6 Gas Leak from Well, Pipeline or Gas Plant

The oil and gas facilities closest to the Wolverine Mine are operated by CNRL, Apache Canada and Talisman.

If you notice unusual smells, sounds or other conditions associated with the wells and pipelines in the area, notify the well owner as soon as possible at their **24 hour emergency numbers.**

CNRL 1-888-878-3700
Apache Canada Ltd 1-888-829-3449
Shell Canada 1-888-361-8040
Talisman 1-250-788-9810

The phone will be answered by an employee or their answering service. Tell them your location and how you can be contacted.

Location of Wolverine Mine Coal Mine: **Lat / Long: N55° 03' 40" / W121° 15' 05"**

Closely follow instructions, and stay off of the phone so they can call back. The gas production company's emergency response procedures will be initiated and their operators will be dispatched to the area to investigate, as appropriate.

11.7 Hydrogen Sulphide (H_2S) Gas Fugitive Emissions:

- In the event of an unexpected H_2S gas release at any of the facilities a certain risk exists. Although this risk is minimal, the well owner may request Wolverine Mine undertake certain activities to protect the safety of our employees.
- H_2S gas is heavier than air and will flow toward low-lying areas. Due to the properties of the gas, prevailing wind patterns and the location of the potential emissions, the preferred evacuation is toward higher elevations.
- The well owner will advise Wolverine Mine of the required action necessary during any H_2S gas incident.
- The Incident Command location and assembly areas for an H_2S release will be designated by the well owner emergency response coordinators.

11.8 Role of the Loss Control Officer

- Upon notification from a well owner of a gas release, the Security/First Aid attendant will notify the Mine Manager or designate and determine whether evacuation of the Mine site is required.
- When Emergency Evacuation of the mine site is required initiate Emergency Procedure as directed by the Mine Manager
- If instructed to do so, proceed directly to the Assembly Area, while maintaining contact with the well owner.
- Pick up and aid transport of employees to the designated assembly area determined by the company responsible for the H_2S fugitive gas emissions.
- Follow site evacuation procedures

12 FIRE EMERGENCIES

NOTE: Specific fire plans exist which define the response in case of an emergency. Area personnel should become familiar with these specific fire response plans as they complement the actions outlined here.

12.1 Reporting and extinguishing a small fire

The site is equipped with hand-held fire extinguishers and fire hydrants for occupant first-response use on small fires. The initial response should be as follows:

- Warn occupants in the immediate fire area.
- Activate a fire alarm if one is nearby.
- Attempt to extinguish the fire if safe to do so.
- Notify the area supervisor via the appropriate radio channel.

Other Actions

- Relevant Supervisor is responsible for making sure that their area is evacuated.
- Regardless of the size of the fire, building occupants must assemble immediately at a designated Assembly Point and stay there until further instructed.

12.2 Reporting Uncontrolled Fire

The following procedures apply to small fire that could not be extinguished or fires that pose danger to human life/property or production.

- Warn occupants in the immediate fire area.
- Activate a fire alarm if one is nearby.
- Notify area supervisor.
- Notify security of the location and extent of the fire and request Mine Rescue.

Mine Rescue Team (ERT)

- Responds to the emergency with the relevant equipment.
- Isolate the area and evacuate as many people as possible.
- Ensure rescue of trapped or injured workers.
- Provide firefighter measures within scope of training and request outside resources if required.

Security

- Informs Emergency Response and Health and Safety department immediately upon notification of an incident.
- Records all events communicated regarding the emergency situation.

12.3 Wild Land Fires:

This section covers range fires on mine property. Rangeland fires are by their nature dangerous and unpredictable events that should be treated with great respect.

Any range fire on mine property should be immediately reported to the area Supervisor. The area supervisor shall be responsible for summoning the help needed to extinguish the fire if necessary.

All responses to the fire will be coordinated by the Area Supervisor & Mine Manager.

The H&S Superintendent or his designee shall notify all landowners in the vicinity who might be affected by the fire.

The Site Manager should be notified of any major fire, or a fire that threatens life or mine property.

The main aim in responding to a Rangeland Fire is to:

- Report it to Security / dispatch
- Evaluate the danger to personnel and infrastructure.
- Continual monitoring of the fire for direction, speed, size, smoke, etc.
- Allocation of resources as needed.
- Evacuate to a safe place accounting for all persons on site.
- Help with fire in area as situation warrants and as directed by site management

13 UNSCHEDULED EXPLOSIONS

Unscheduled Explosion – First on Scene Duties

- Call the relevant supervisor, report the situation, and follow their instructions.
- Assess the situation. Evacuate the affected area. Move to a safe vantage position. Do not endanger yourself or other rescuers.
- Stop all operations in the area until it is safe to resume.
- If there is anyone injured, follow the procedures herein for Injuries / Medical Accidents.
- If there is anyone in need of rescue, identify the need for ERT.
- Remain at the safe vantage position until relieved by the Supervisor and authorized to leave.
- Ensure that the Department Manager is informed of the emergency via radio or telephone.

Unscheduled Explosion - Supervisors Duties

- In the event of an unplanned detonation, ensure that the area is evacuated and secured. DO NOT ENTER the area except to rescue an injured person and then only if safe to re-enter (If possible, efforts should be made to get the Mine Rescue Team to the scene.)
- Proceed to a safe vantage position. Confirm the assessment of the situation with the First on Scene Person.
- Co-ordinate the immediate emergency response from the safe vantage position.
- Together with the Area Manager, decide on the Level of Emergency (LOE) warranted by the situation. Be prepared to change this if the situation escalates or diminishes in severity.
- Establish controls on all roads leading to the area.
- Prepare access to the scene for emergency services vehicles when it is safe for them to enter the area, and direct them to the scene. Ensure that the following personnel have been notified: Operations Manager, Drill and Blast Superintendent, Production Superintendent, Health, Safety and Loss Control Superintendent, Drill and Blast General Foreman and the Production General Foreman.
- See that the ERT is supported in their immediate response requirements.
- With the On Scene Commander, decide if additional off-site emergency services are required.
- When the situation is stabilized, assist the Manager with the investigation of the emergency.
- Ensure the area is secured.

Unscheduled Explosion - OSC Duties

- Proceed to the scene of the emergency, if it is safe to do so, for an initial assessment.
- Consider secondary explosions, toxic gases, and structural collapses.
- Co-ordinate the response of various on-site specialists such as medical, fire, environmental, rescue teams, etc.
- Advise the Site Crisis Team with details of the emergency, the immediate response taken, and if any risks remain.
- When the situation has stabilized, conduct an investigation of the causes, effects and response to the explosion, and prepare a written report.
- Security shall be assigned to control access to the affected area.

14 SEVERE WEATHER CONDITIONS, NATURAL DISASTERS

In severe weather, seismic, or other natural disaster situations, the supervisor will keep personnel away from high risk areas created by the condition.

Examples are:

- High winds or earth movement/permafrost subsidence - Stay away from power lines, high walls, and embankments that may be affected.
- Extreme precipitation (heavy snow or rain fall) - Keep personnel and equipment out of possible voids & high drift zones or flood areas in the case of heavy rain
- Heavy snow - Maintain accessibility for personnel and emergency equipment
- Lightning - Keep personnel out of non-protected elevated areas and other high-risk situations.

In the event of any severe weather conditions or other natural disaster situations, the Shift Supervisor should notify the Department Head and/or Site Manager for instructions. Ultimately the supervisor is responsible for maintaining the safety and welfare of his crew.

The supervisors of each department will take steps to notify off-shift personnel of changes in schedules, duration of closure, and other pertinent information, as instructed by the Department Head.

15 EARTHQUAKE, LAND SLIDE, LAND SUBSIDENCE

Note: Personal Actions during and immediately after an earthquake:

- Remain calm, immediately "Duck, Cover and Hold". Get under a sturdy desk, table or doorway. Hold on to something so you can stay under cover while things are shaking. Move away from windows and avoid falling debris, such as light fixtures, heavy objects on office shelves, computers, etc.
- If in a building, do not attempt to leave the floor. Do not use stairways.
- After the initial earthquake, if in a building, wait for instructions to evacuate.
- Move to an area of relative security on the same floor and be prepared for aftershocks.
- If qualified, provide care to injured people with first aid. Do not move the injured people unless they are in danger remaining where they are.
- Extinguish any small fires.
- If you smell gas, open windows and turn off gas valves (being careful not to cause any sparks). Do not use matches, cigarette lighters, candles, or electrical switches. If it is safe to do so, turn off electrical power at the source and unplug phones. Do not use flashlights, battery-operated radios, or anything electrical, unless the item is safe to use in hazardous situations.
- If you do not smell gas, hang up all phones, and do not use them except to report emergencies.
- Avoid areas where the building may be damaged. Wait in a safe place for instructions. You could be there for several hours. Expect fire alarms and other protection systems to activate.

16 TAILINGS STORAGE FACILITY FAILURE

The Wolverine Tailings Storage Facility (TSF) is used to confine tailings - a slurry of fine coal reject, waste rock and water. The consequences of a TSF failure may be serious, with harmful effects on personnel, equipment and the environment. The following is a guide to assist on site personnel and external emergency responders in timely identification, evaluation, and responses to a TSF emergency. This document is to be used in conjunction with Walter Energy's Wolverine Mine OMS Manual.

16.1 Classification

The tailings storage facility is classified as having 'high' downstream consequences in the event of a dam breach. This is due to its close downstream proximity (within 50m) of the Wolverine FSR, BC Rail line and the Shell natural gas pipeline.

16.2 Potential Failure Modes and Warning Signs

It is important to be aware of the warning signs associated with a potential tailings facility failure mode or emergency. The monitoring program is designed to detect early warning signs of potential failure. See the Wolverine Mine Tailings Facility OMS Manual for details on initial failure modes, descriptions, warning signs and responses (Table 11 – Tailings Dyke Failure Modes and Warning Signs). The Dam Breach Inundation Study, conducted by Norwest in 2014, evaluated multiple failure modes including: deformation and settlement of the dam structure during a seismic event, cracking of the dam from settlement of the fill materials, liquefaction of the foundation, overtopping of the reservoir, piping failure and excessive surface water erosion of the dam fill.

16.3 Potential Inundation Area Due to Dyke Breach

The potential inundation area is based on a worst case scenario catastrophic failure and is the most likely **maximum** zone of contact with TSF content. This situation would have a level 3, "high", emergency response level (see section 2.1 – General Levels of Emergencies). Other emergencies of lower levels may arise resulting in content loss (such as a burst tailings pipe) causing environmental damage, but not to the extent of the inundation map presented in the Dam Breach Study. A similar procedure may be followed, based on the situation, and discretion of the initial on-scene commander and primary TSF personnel (Geotechnical Engineer).

The most credible potential failure mode was determined to be deformation and settlement of the dam structure during a seismic event leading to a rotational slip that begins in the tailings beach area. This failure will most likely run through the lower clay foundation and exit beyond the downstream toe of the dam. This would cause a local drop in the tailings facility crest leading to water and saturated tailings eroding a channel through the dam.

The breach would result in a flow of tailings material, forming a 1% slope, radiating out from the origin. At maximum capacity, the material would possibly interact with the dam toe and ditch, nearby railway embankment, and the floodplain as shown in the inundation area extents (see Figure 2 – Tailings Flowslide Inundation Area). Should the tailings flow continue to erode back into the tailings pond, water would be released through the dam into the downstream area and toward the Wolverine River. The Wolverine River, being at least 300 meters downstream from the TSF, would expect moderate flooding and temporary increase in turbidity (high sediment load). The inundation map and safety points of interest shall be posted on site near security dispatch.

In the 2014 Dam Breach Inundation Study, the following conclusions were reached:

- The maximum volume of tailings lost is 85,000m^3 (plus there is an additional 14,000m^3 of dam material) as well as 120,000m^3 of water.
- Peak discharge is estimated to be 14.5m^3/s which is approximately 22% of the Mean Annual Flood (MAF). It is expected that this peak breach flow would likely cause a negligible increase in the river level and does not appear to pose a significant risk to the public or downstream bridge structures.
- It is anticipated that the tailings flow will fan out at a 1% slope onto the Wolverine floodplain.
- The plant site is positioned on higher ground in the south and any release of water or tailings will naturally flow towards lower ground to the north.
- The railway embankment captures a portion of the flow, but the remainder spills into the Wolverine River flood plain.
- The potential inundation zone extends about 400m north of the dam toe at the north end of the facility and 300m south of the south end of the facility.
- The potential inundation zone would be covered by a tailings thickness of less than 4m between the dam and the railway, and less than 2m thick on the Wolverine floodplain.

16.4 Tailings Storage Facility Failure Response

In the event of an emergency situation relating to the Tailings Storage Facility:

1. **Follow the callout procedure outlined in Section 3: Communications.**
2. Evacuate personnel off of and away from the facility. The location of evacuation should be outside of the inundation area (see Figure 2 – Tailings Flowslide Inundation Area) at a designated muster location (security shack).
3. Conduct and document a scene assessment – determine any hazards.
4. Ensure the process plant is shut down and tailings/water has ceased discharging into the TSF.
5. Barricade all entrances to the TSF crest (southwest and northwest entries).
6. Restrict access to the crest to specific personnel (Safety, Engineering, and Environmental).
7. Block off the Wolverine FSR to limit approach to the affected area.
8. If safe, remove equipment from the TSF crest and within inundation area.
9. **DO NOT** attempt to clean up or repair the scene – only contain it, if safe to do so.
10. Containment of the outflow should be initiated to prevent environmental and infrastructure/equipment damage. This may include building emergency berms and closing Sediment Pond (SP14 and SP12) outlet valves.
11. Contact personnel knowledgeable with the TSF – Geotechnical Engineer/consultants (Norwest).
12. Contact government agencies, specifically the Ministry of Energy and Mines and PEP (see Section 3: Ministry of Energy and Mines Contact Information) as well as users of the affected area.
13. A clean up procedure will be produced once the incident has been fully investigated by Walter Energy in conjunction with the ministry.

16.5 References

- Walter Energy (2014). Wolverine Mine Tailings Facility OMS Manual. December 2014.
- Norwest Corporation (2014). Wolverine Tailings Facility - 2014 Dam Breach Inundation Study. Prepared for Walter Energy (Wolverine Coal Partnership). December 2014
- Norwest Corporation (2007). Mine Permit Amendment: Tailings and CCR Management Plan. Prepared for Walter Energy (Western Canadian Coal). April 2007
- Norwest Corporation (2005). Permit Level Geotechnical Designs for the Tailings Facility and Coarse Coal Reject Pile. Prepared for Walter Energy (Western Canadian Coal). January 2005.

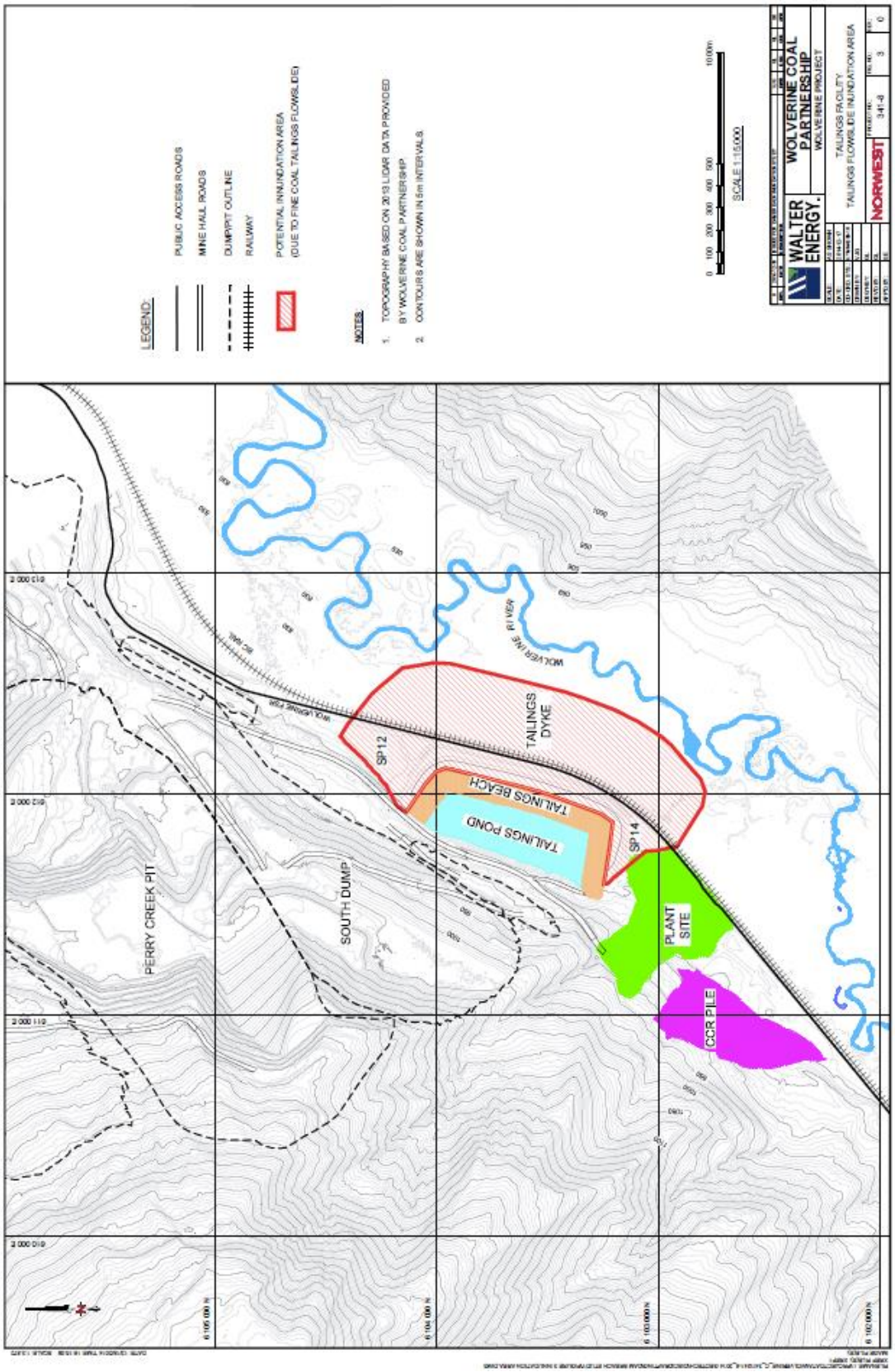


Figure 2 - Tailings Flowslide Inundation Area

17 BOMB THREAT

17.1 Bomb Threat - General Guidelines Procedures

Threat recipient:

- Make every effort to remain calm and relaxed.
- Record the call, if recording equipment is available.
- If a recording cannot be made, try to transfer the caller to the emergency number where a recording can be made.
- If unsuccessful, follow the guidelines in the Bomb/Threatening Call Record sheet to obtain as much information as possible from the person making the threat. **Attached at Appendix F**
- If the threat is in written form, put the letter and envelope in a plastic cover and refrain from unnecessary handling.
- Inform the Security advisor and Area Manager immediately after receiving the threat and wait for further instructions.
- If the caller indicates that the bomb is in the building that you are occupying, immediately start the evacuation process, taking the notes made during the threat call with you.

Observer of item suspected as a Bomb:

- Do not touch the device.
- Inform the Area manager as well as the Security Advisor
- Start the orderly evacuation of the immediate area.

17.2 Responsibilities

On-Scene Commander's Duties

- Notify Internal Security and consider advice from the RCMP.
- Assess the situation and decide the following:
  - If a full or partial evacuation, or none at all, is warranted.
  - If a search is warranted and can be safely done.
  - When it is safe to reoccupy the site or office.
- Make sure everyone is accounted for at the designated assembly point for that area.

Emergency Response Team Duties

- The ERT will respond with an ambulance, (if available) and appropriate rescue and firefighting equipment. These units will stand-by at the Incident Staging area where the On-Scene Commander (OSC) is located, at least 300 meters from the suspect device or location of threat.
- In the event of a detonation, when deemed safe to do so, normal Emergency Response procedures will be carried out.
- The ERT will provide the required fire/rescue/medical/search and recovery services and any other services as needed.
- The ERT does not participate in securing the bomb.

18 TRAINING AND DRILLS

This Plan can only be useful if a Training Program is instituted which involves the following companies and institutions. Initially, training will be focused based on and around Willow Creeks Equipment and Personnel's capabilities.

18.1 Annual Training Program

The main goal of the program is to prepare personnel in general and the members of the Mine Rescue Team (Officers and Mine Rescue Team personnel) of Wolverine Mine, to be able to act efficiently, speedily and safely during an incident.

Training for Managers and Officers (Incident Command)

- All managers/SCT/ERT members will complete the Incident Command System Orientation ICS100.

18.2 Monthly Training

The Emergency Services Coordinator will arrange monthly training for Emergency Response Team members.

18.3 Drill/Scenario Program

For the Training Program to be successful and in order to ensure an adequate response and an adequate revision of this Plan, it is necessary to establish a Drill Program. Health, Safety & Loss Control, Environmental and any other operational areas involved will take part in the drills.

- LEVEL A Once every year / Involving the Mine Rescue Team(ERT)
- LEVEL B Once every two years / Involving the ERT and Activating the Site Crisis Team (Crisis Management)

19 EXPLORATION

All exploration companies on WALTER ENERGY sites will follow the protocols listed below.

19.1 Communications

While performing exploration on Wolverine sites communication with the Loss Control Department must take place. Communication can either be by radio channel WCC 1 (frequency 151.8350) or by the direct phone line 242.6022.

Prior to entering the work site the exploration company will inform the Loss Control Department of their work location and how many workers there will be. If work is to be performed in a location where communications are not possible, the exploration company must notify the Loss Control Department from a location where communications are possible stating they will be in an area out of range of any communication.

At the end of the working day the Loss Control Department must be notified of work completed for the day and all workers are off site.

19.2 Working Within the Pit Operation Areas

If work to be performed requires access through the Wolverine Mine Security gate, all workers must sign in at the gate and sign out when they are leaving site. While working on site monitoring of radio channel WCC 2 (frequency 155.1900) must take place. If travel through the pit is required, pit driving safety orientation must be completed before access is granted.
Communication with the Pit Operations Supervisor must be made prior to entering the pit areas. Communication will include who you are and where you will be working. The pit supervisors must be aware of your location in the event of a blast in your area.

19.3 Emergency Protocols

In the event of an emergency, follow protocols outlined in this manual. If within range of communication, calls to first aid can be made on radio WCC 1 or by direct phone at 242.6022

19.4 EB Mine Assessment Work Procedures

EB Pit Permitting – Environmental/Engineering/Exploration Contractors
Walter Energy Responsibilities and Procedures for Contractor Supervision

Objective: To ensure safe conduct of contractors on site, in accordance with the Health, Safety and Reclamation Code for Mines in British Columbia (the Mine Code) requirements and optimize deployment of Wolverine Mine site, Vancouver office personnel, and 3rd Party emergency responders to achieve this objective.

Background: At present the capacity of the Wolverine Mine site first aid/emergency personnel to respond to potential emergencies in the EB area is limited due to mine area responsibilities, distance from EB, consistency of radio contact between EB and Wolverine Mine, and knowledge of EB site. Until such time as resourcing is available the following procedures will apply.

Vancouver Office Project Management/Environmental/Exploration Personnel

- Provide a description of contractors scope of work projected out 3 months that include company name, approximate schedule, location/nature of work (e.g., does it involve ground disturbance, could it affect access etc.). This information must be provided to the Wolverine Mine Safety coordinator, so site personnel can plan orientation and onsite training (e.g., onsite traffic protocol on mine site, locking gates, etc.). This will also allow the site to determine any other requirements to comply with the Mine Code and site policies.
- Provide contractors with Notification Procedures for Site Visits, NEBC Guide to FSR Roads
- If required by the Wolverine Mine Safety Coordinator instruct contractors to provide a copy of their ERP.
- Instruct contractors to complete EB Pit Safe Work Form (Attached at Appendix VI) and provide a copy to the site Safety Coordinator.
- Instruct contractors that if required, ERPs need to include a reliable contact for regular notifications throughout the day (not less frequent than every 2.5 hours if working alone), that have the capacity to respond quickly and effectively in the event of a missed call[1]. It is the responsibility of the contractor to develop their own procedure for notification that meets the requirements of the site Safety Coordinator.
- Ensure that work scope statements for contractors and/or contract terms and conditions include Mine Code safety requirements as follows:

  - **First Aid 9.3.1** In addition to complying with the emergency preparedness provisions of Part 3 of the Code, contractor field crews will demonstrate the following:
    (a) Active exploration sites of mechanical disturbance shall be equipped with a minimum Level-2 first aid kit, a stretcher and an epinephrine auto injector, and have provision made for continuous and consistent emergency communication, or provide an onsite medic,
    (b) At exploration drill sites, at least two members of the drill crew shall have a valid Worker's Compensation Board Level 1 or equivalent first aid certificate unless the work site is accessible in all weather conditions and within 5 minutes of a facility where there is a qualified first aid attendant.

  - **Training 9.3.2** All persons employed at an exploration site shall be trained in accordance with Section 1.11, including where applicable. Contractors must demonstrate training appropriate to their onsite activities. All contractors must provide proof of training in the form of documentation to the Wolverine Mine Site Safety Manager prior to site activities commencing
    (a) Safety with respect to wildlife,
    (b) Wearing of appropriate clothing,
    (c) Use of personal protective equipment,
    (d) Need for and use of suitable equipment to avoid becoming lost,
    (e) Safety procedures to be adopted for boat handling operations, and
    (f) Safe practices when working in or around aircraft, including effective communication.

- Designate a Vancouver office Project Management or Environmental contact for daily check-ins to confirm crews have safely cleared the site and to discuss any problems regarding progress of work, and potential implications to scope or work schedules. This is in addition to the requirement for regular notifications throughout the day.

[1] Contractor scope statements will reference this requirement henceforth. If existing contracts did not include the requirement, contractors will be instructed of the requirement and will make suitable arrangements with WE Procurement to cover the cost of such call-in/emergency response services (e.g., the contractor to bill the service through to WE, as a variance to the existing PO, and/or WE to procure services).

Mine Site Health & Safety Coordinator

- Review contractor scope of work to determine safety requirements for execution of work (eg. Orientation, ERP, other requirements to comply with Mine Code and site policies).
- Review Contractor ERP, if required for the execution of the work, and ensure any deficiencies in relation to the Mine Code, or site related factors (onsite contacts, responsibilities for emergency response) are addressed before the contractors arrive on site.

Mine Site Environmental Manager (or designate) and/or mine site Exploration

- Arrange contractor orientation prior to arrival.
- Review Pre-project Checklist with contractor
- Provide gate key and additional orientation as required (e.g., mine site driving protocols) to allow safe conduct of contractors through the mine site.

20 Consultants Procedures for Field Visits

PURPOSE

To ensure safety on the site, to fulfill legal requirements under the Health Safety and Reclamation Code for Mines in British Columbia and other safety regulations and to meet obligations under agreements with other stakeholders who may be affected by activity in the area.

SCOPE

This procedure applies to all employees, consultants, sub-consultants, and contractors working in the Wolverine properties.

RESPONSIBILITY

All employees, consultants, sub-consultants, and contractors shall observe this procedure.

PROCEDURE

- Ensure that any regulatory permit or approval required for visiting or working is in place. Consult with one of the following if you require more information (Contact information at end):
  - Health & Safety Coordinator - Wolverine Mine
  - Nicole Pesonen (Environmental Manager – Wolverine Group)

- Provide formal written notification to the Wolverine Mine of your intended field visit, preferably two weeks prior to your trip (and at least **5 working days** in advance of your field trip. Allow more time if regulatory approvals are known to be required).

  Copy the following Wolverine Mine personnel on the notification:
  - Mine Manager (Wolverine Mine) (notify also for EB Pit)
  - Environmental Manager (Wolverine Mine & EB Pit)
  - Chief Geologist (All properties) (notify for work at any site)
  - Manager Environment Affairs (notify for work at any site)
  - Health & Safety Coordinator (Wolverine Mine & EB Pit Must Notify)

- The General Orientation (is acceptable at all NEBC sites), Site Specific Orientation (for each site) and Area Specific Orientation (for specific areas on site) are required prior to working on the Wolverine properties. Ensure orientation is scheduled as part of time required on the site, and that it is pre-arranged with the Wolverine Mine security office.

- Provide the following written information in your notification:
  - Name of company
  - Number and names of people who will be on the property
  - Dates and times (duration) of the visit
  - Purpose of visit/program and Scope of work
  - Locations of proposed field work, including map if ground disturbance is involved
  - Mechanized equipment to be used, if any
  - Site disturbance, if any. Site Preparation work required prior to field visit (e.g. siting drill sites, clearing, survey, etc)
  - Helicopter support (to be cleared in advance of notification)
  - Known stakeholder activities or facilities in the work area. (e.g. near the Burlington pipeline, on the Terry Ranch, etc)
  - Emergency Response Plan if working at EB

- Procure and use radios in each vehicle travelling on Forestry Roads. Use correct channels (See Radio Frequency Table at the end of this document).

- Carry walkie-talkies as an added safety measure, when there is more than one field crew.

- Never work alone, unless authorized by the Site Supervisor or Mine Manager. Have at least one other person with you.

- Check in with the person responsible for the site on arrival and check out on departure, unless otherwise agreed. Currently the required check in for the Wolverine property is at the Wolverine Mine security office.

- Provide written notification of any changes to dates of intended field work.

NOTES:

- The designated Mine Manager or Site Supervisor is legally responsible for all activity on the site.

- Safety provisions of the Health, Safety and Reclamation Code for Mines in B.C require dedicated First Aid or Ambulance support after threshold limits. Walter Energy NEBC has agreements to notify the following stakeholders for certain field activities: (Burlington, Koch, owners of Terry Ranch, trappers, guide-outfitters, Talisman, First Nations).

- Walter Energy NEBC requires verbal or written authorizations for some activities, including but not limited to:
  - work on the Terry Ranch
  - work in and around pipelines and well sites (including but not limited to Talisman, Burlington, Shell, and Koch).

CONTACT INFORMATION:

Contact Person	Position	Phone	Email
Garry Holmlund	Geologist	250.242.8580	garry.holmlund@walterenergy.com
John Moberg	Mine Manager	250.257.5777	john.moberg@walterenergy.com
Alex Brissard	Environmental Manager	250.401.3019	alex.brissard@wwalterenergy.com
Derek Blackwell	Health & Safety Manager	250.242.7596	derek.blackwell@walterenergy.com

RADIO FREQUENCY TABLE

WOLVERINE MINE RADIO COMMUNICATIONS			
Radio Channel	Area	Receive	Transmit
WCC 1*	Security/First-Aid	151.835	151.835
WCC 2	Pit Operations (Repeater)	162.225	167.325
WCC 3	Process Plant	165.840	170.820
WCC 4	Drill/Blast	155.955	155.955
WCC 5	Supervisor	155.190	155.190
WCC 6	Pit Operation	162.225	162.225
WCC 7	Maintenance	155.625	155.625
RR12	Wolverine FSR	150.500	150.500
RR25	Perry Creek FSR	151.310	151.310

***Note:** Due to Wolverine's idle status, only **WCC 3** is in use for **ALL** Mine Site communications.

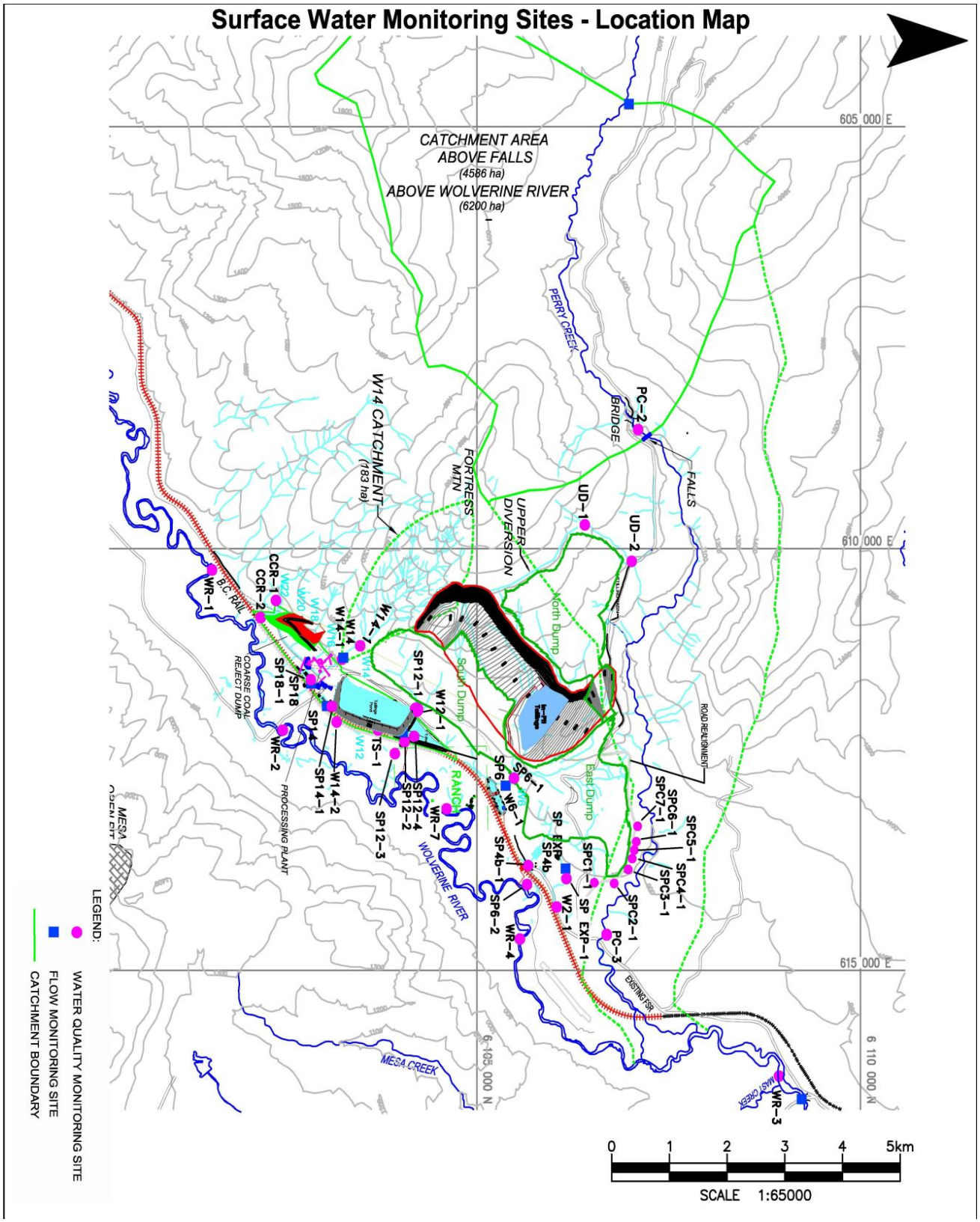
21 EMERGENCY RESPONSE PLAN MANAGEMENT

In order to evaluate and keep the Emergency Plan current, regular audits will be established to be conducted with the assistance of consultants. Develop a new plan each year, reflecting updates of all information gathered on the field as well as the results of the simulations.

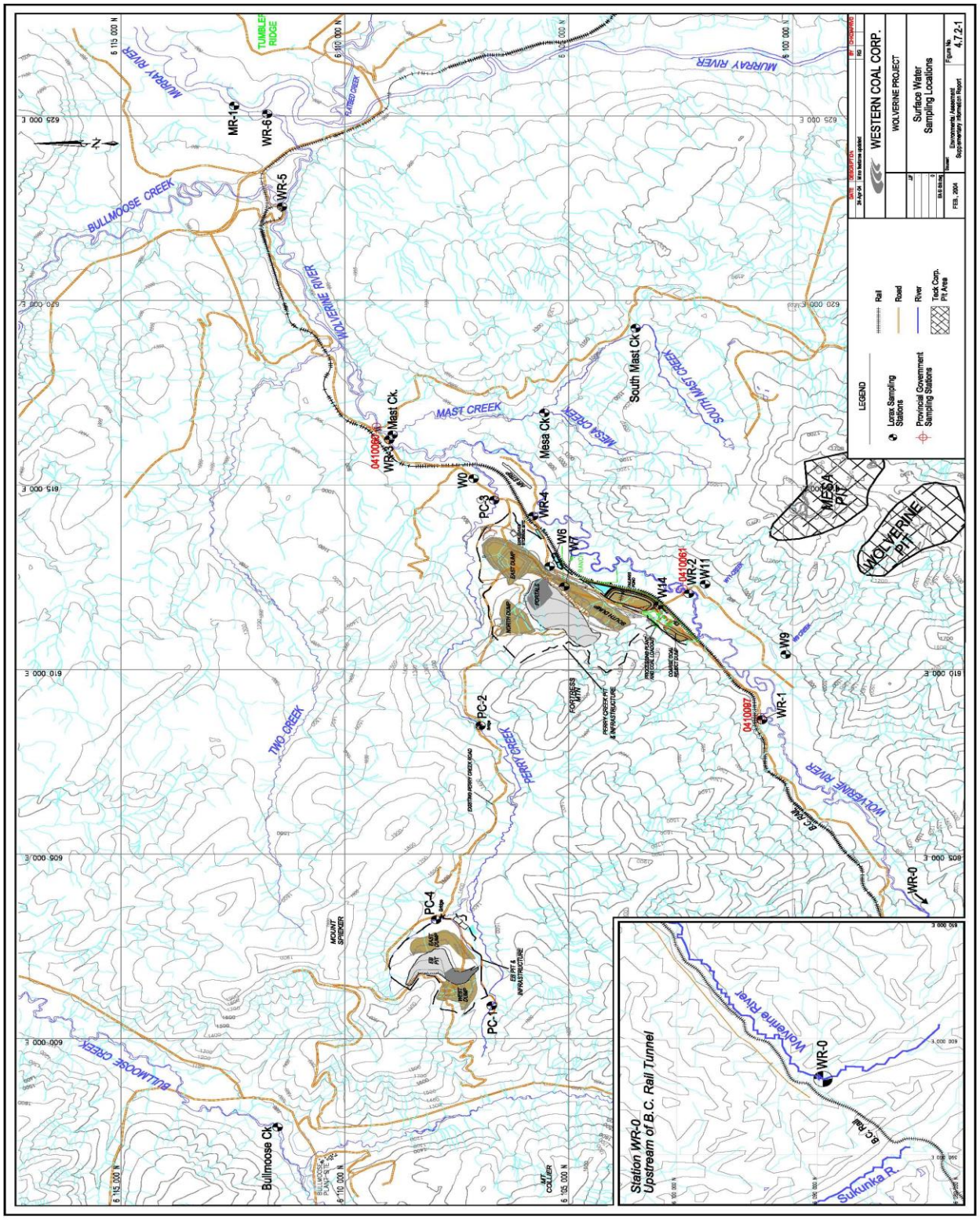
EMERGENCY RESPONSE PROGRAM REVISION HISTORY

Date	Rev. #	Revision	Originator
29 Feb 2012	1	Document Creation	Sal Bafaro
22 Oct 2012	2	Contact Numbers and Personnel Updates	Sal Bafaro
16 Jan 2013	3	Update to Contact Info and Crisis Management sections	Sal Bafaro/Lorraine Vivian
30 Aug 2013	4	Update to Contact Info and Section 19.4;19.5 Update to radio frequencies	Sal Bafaro
27 Nov 2014	5	Made a note on radio communication in Wolverine Mine Radio Channels to reflect current mine status (Section 3.3). Update to Contact info (Section 3.4) and added Ministry of Energy and Mines Contacts and Emergency Information (Sections 3.5). Added mine manager responsibility to contact the ministry in the event of any emergency (Section 4).Updated Crisis Management (Section 5).	Wayde Bosman
17 Dec 2014	5.1	Added section on Tailings Storage Facility and Inundation study	Wayde Bosman
06 Jan 2015	5.2	Updated section to include recent inundation study, added Inundation map and response to TSF breach.	Wayde Bosman

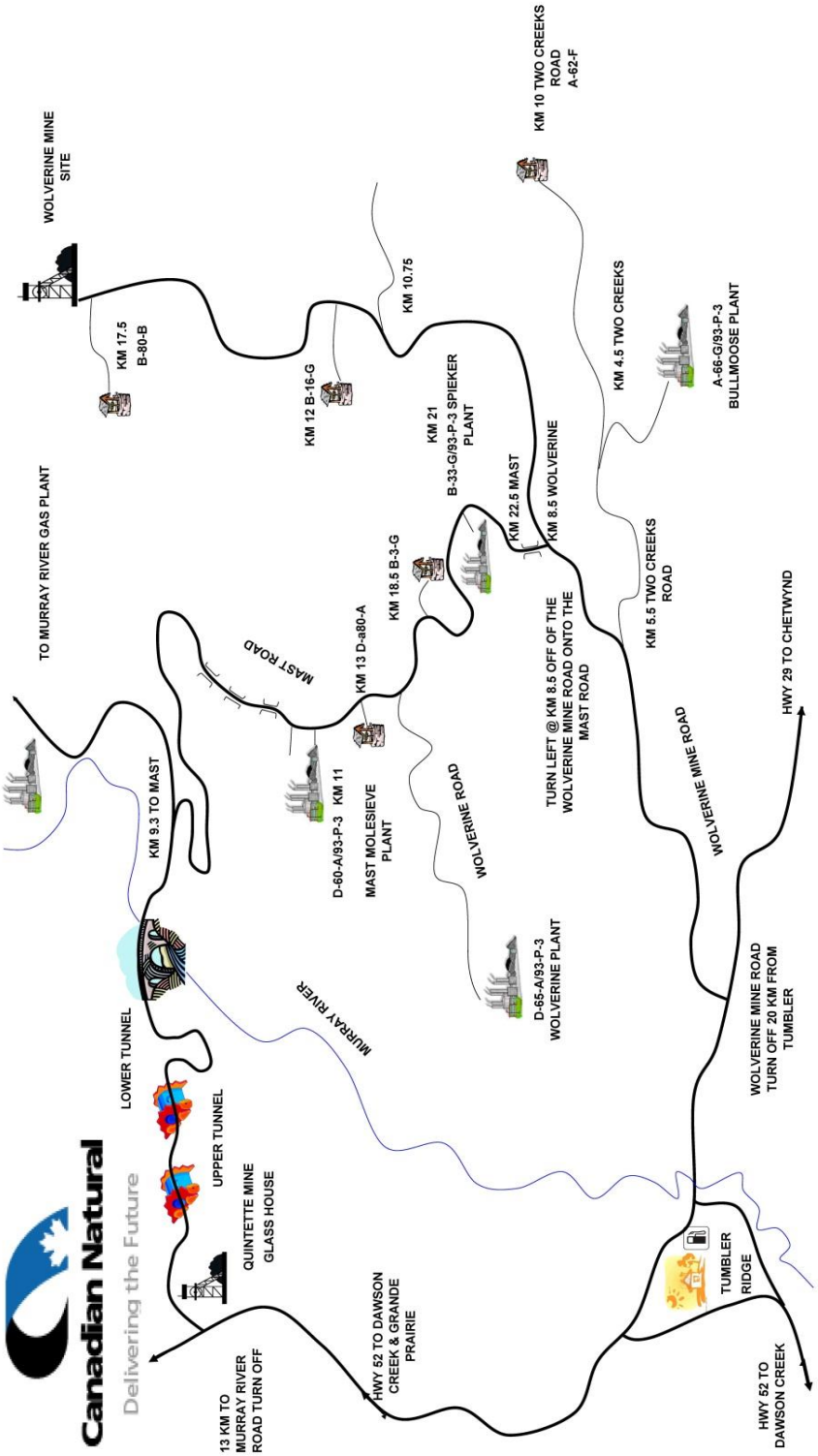
APPENDIX A – Sample Location Wolverine Mine



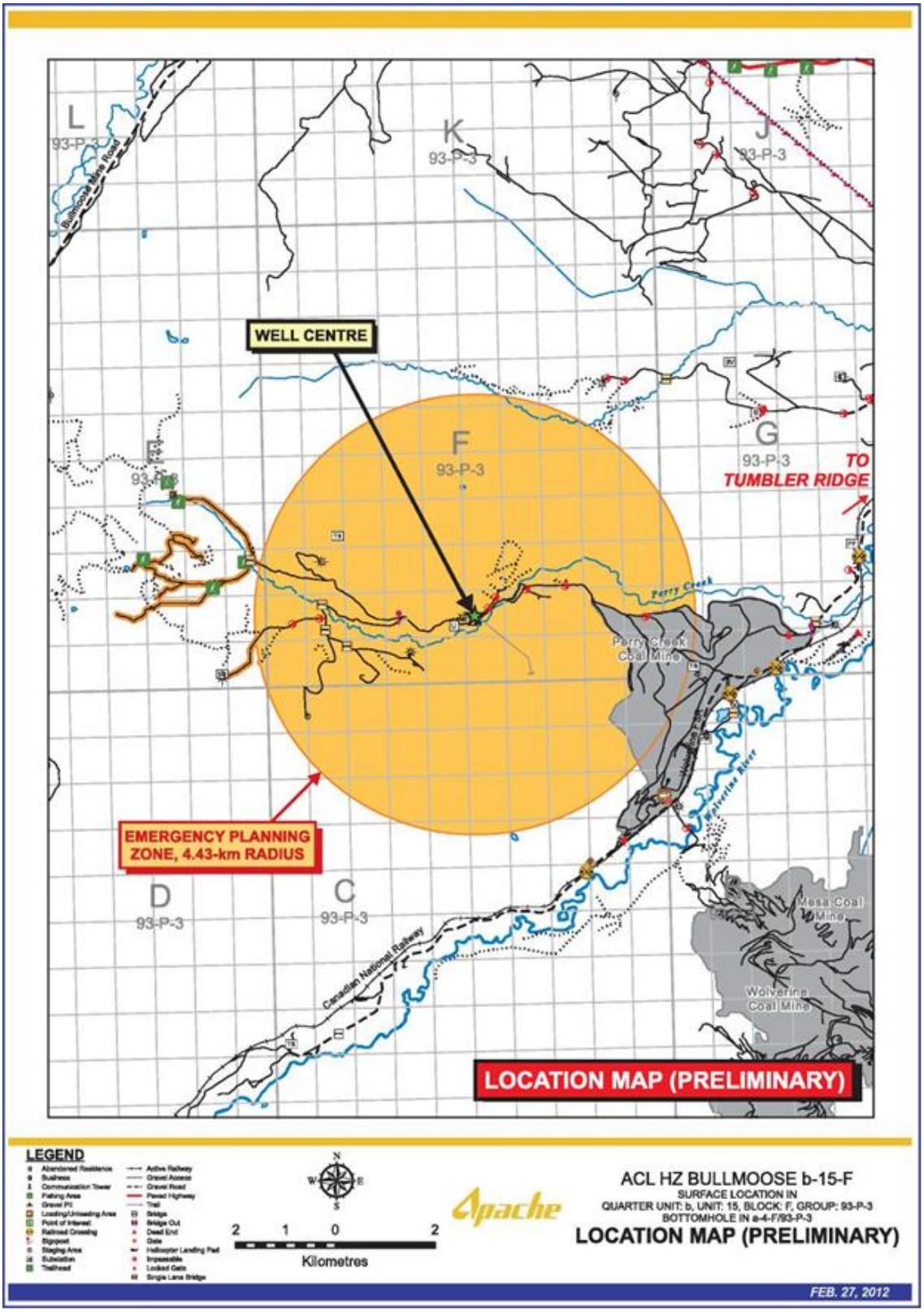
APPENDIX B – Sample Location Wolverine Mine



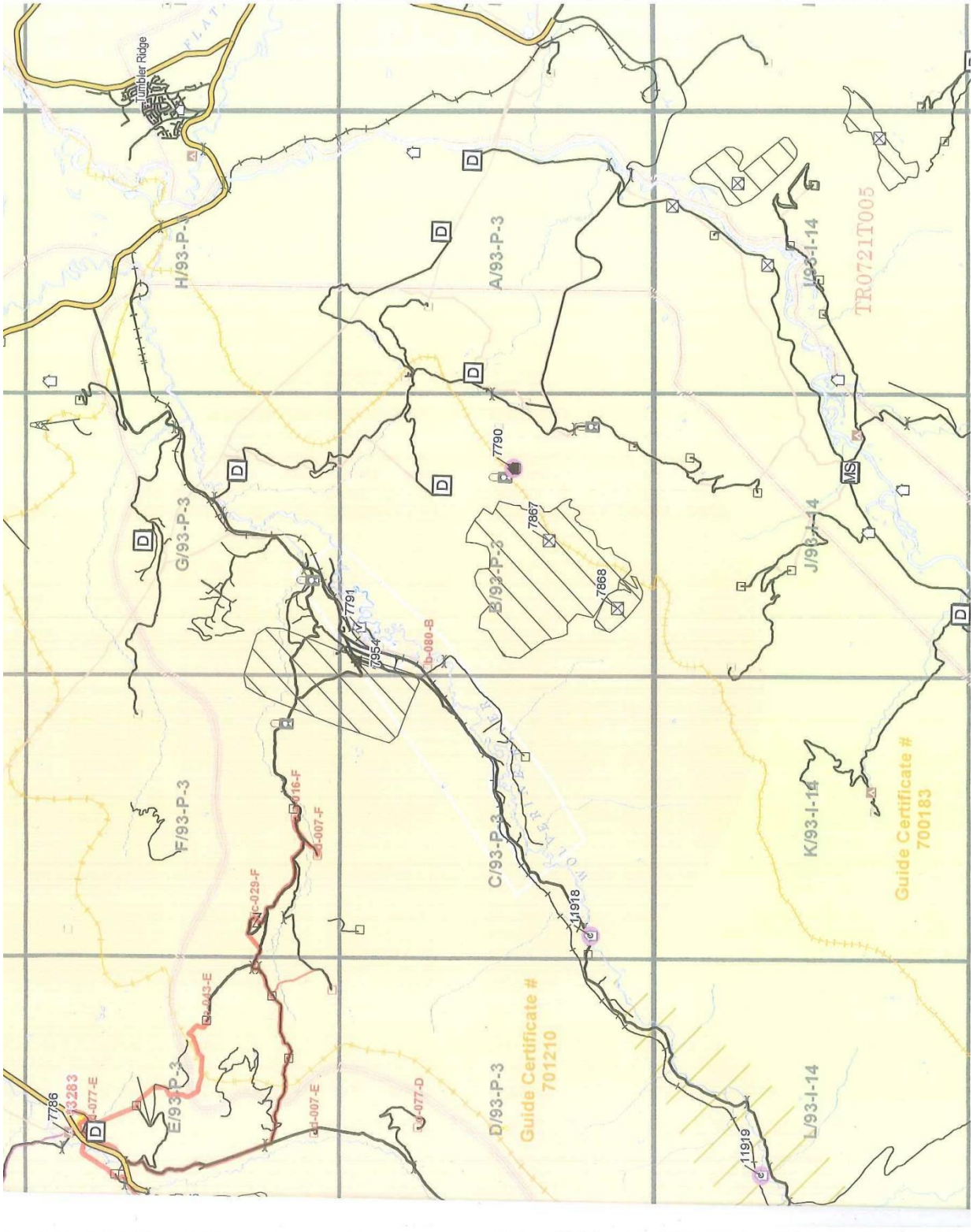
APPENDIX C – CNRL Well Locations



APPENDIX D – Apache Canada Well Site



APPENDIX E – Talisman Well Locations



APPENDIX F – Bomb/Threatening Call Record

Bomb/Threatening Call Record

DO NOT HANG UP AT THE END OF THE CALL.
REPORT THE CALL TO A SUPERVISOR IMMEDIATELY.

Call taken by:	Date:
Location & number:	

Exact wording of threat:

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

Callers

- ☐ calm
- ☐ angry
- ☐ excited
- ☐ slow
- ☐ rapid
- ☐ soft
- ☐ loud
- ☐ familiar
- ☐ laughter
- ☐ crying
- ☐ normal
- ☐ distinct
- ☐ child
- ☐ adult

Voice:

- ☐ slurred
- ☐ nasal
- ☐ stutter
- ☐ lisp
- ☐ raspy
- ☐ deep
- ☐ ragged
- ☐ clearing throat
- ☐ deep breathing
- ☐ cracking voice
- ☐ disguised
- ☐ accent

Questions to ask (bomb specific):

When will it explode? .....
Where is it right now? .....
What does it look like? .....
What kind of Bomb is it? .....
What will set it off? .....
Did you place the bomb? .....

REMAIN ON THE LINE, DO NOT HANG UP

Other questions:

Why? .....
What is your name? .....
What is your address? .....
Where are you? .....

Caller's description:

Sex: M / F ..... Race: .....

Age: ..... Other: .....

If the voice is familiar, who's is it like?

.....

Call description:

Time: .....am/pm
Duration: .....secs/min

Background sounds:

- ☐ clear
- ☐ voices
- ☐ static
- ☐ animal noise
- ☐ local
- ☐ music
- ☐ crockery
- ☐ long distance
- ☐ booth
- ☐ motor
- ☐ factory
- ☐ house noise
- ☐ office
- ☐ street noise
- ☐ public address noise

Threat delivery:

- ☐ irrational
- ☐ well spoken
- ☐ taped
- ☐ foul
- ☐ message read out

APPENDIX G – EB Safe Work Form

PROJECT INFORMATION			
Client:	Walter Energy	Project:	
Type of Work:			
Tentative Start-up Date:		Tentative Work Schedule (max 10 hrs per day)	
Specific Location(s) of Work:		Travel days:	
Crew Nickname: EB Pit - TEM			

CONTACT INFORMATION				
Name/ Crew Member	**Name**	**Phone Numbers**	**Emergency Contact**	**Emergency Contact Phone Numbers**
Crew Lead 1st Contact				
2nd Contact				
3rd Contact				
Client Rep / Contact (if in field)				
Subcontractor/Assistant				

LOGISTICS			
Main Mode Transportation	Truck	**Secondary Mode Transportation**	
Logistic Type	**Name**	**Phone Numbers**	**Descriptive Information / Details**
Accommodation			
Airline			
Crew Rental Vehicle #1			
Rental Vehicle #2 (if required)			
Helicopter Rental			

EMERGENCY CONTACTS	
On Site 24-Hour Emergency Contact	
Helicopter & Aircraft Charter	
Logging Road	
Ambulance	
Medical Facilities	
RCMP Location (DO NOT PUT 911)	
Fire Department (DO NOT PUT 911)	
Emergency Coordinator	
Fish and Wildlife Office	
Other:	

EMERGENCY PROCEDURES (attach ERP as required)		
Identify potential emergencies	**Severity Level**	**Procedure for dealing with identified emergency**
Vehicle Accident		
Slip, Trip or Fall		
Wildlife encounters		
Forest Fire		
Alarm and communication procedure: muster at truck, call emergency services as necessary (Mine Site Loss Control Dept Gate House 250-242-6022) or Pit Shifter on Channel 2, call PM as necessary, fill out appropriate paperwork in a timely fashion.		
Evacuation procedure: muster at truck, leave area by most direct route.		
Muster Point: Truck		
Allergies/Medication? None		
ADDITIONAL INFORMATION (attach extra sheet as required)		
See attached maps. All field staff must have driver's license, level 1 First Aid and Mine Site Orientation.		

EMERGENCY CALL DOWN LIST			
Name of Contact	**Position**	**Phone Numbers**	**Email**
Wolverine Mine Gate House		250-242-6022	

EMERGENCY CALL DOWN LIST			
Name of Contact	**Position**	**Phone Numbers**	**Email**

REVIEWERS		
Prepared by Crew Lead: I have prepared the hazard identification and this SWF and will work according to it in the field.		
Printed Name	Signature	Date
Reviewed by Project HSE Representative: I have reviewed this SWF for compliance with the client and project-specific H&S requirements.		
Printed Name	Signature	Date
Reviewed by Project Manager: I have reviewed this SWF in conjunction with the HASP and authorize the field crew to mobilize.		
Printed Name	Signature	Date

☐ **Mandatory supporting documents**
☐ **Map of study area**
☐ **Map to hospital**

☐ **Map of travel route to and from worksite and hotel/camp**

☐ **Copies of this SWF given to: FTP site, Project Manager, PCML/Technical Lead, Field Crew, Project File (original) WALTER ENERGY site Safety Superintendent**

APPENDIX H – Emergency Response Form

EMERGENCY RESPONSE FORM

LCO:		***DATE & TIME:***			
INCIDENT REPORTED BY:		***EMPLOYER***			
LOCATION:		***EMERGENCY LEVEL:***	☐ Low	☐ Med	☐ High
PROBLEM:					
IMMEDIATE CONCERNS:					

PEOPLE CONTACTED BY LCO:

POSITION	*NAME*	*TIME*	*COMMENTS*
Site Supervisor			
Health & Safety Coordinator			
Mine Manager			
General Manager			
Environmental Manager			

IMMEDIATE ACTIONS:

ACTION	*TIME*	*PERSON RESPONSIBLE*	*COMMENTS*

ISSUES IDENTIFIED:

Problem	*Solution*