EMERGENCY RESPONSE PLAN (ERP)

ERP for North and South of the River

ND Groups Included in This Plan Are:

- Base Production
- Construction
- Completions
- Drilling Operations

Hess North Dakota Emergency Notification
Tioga Office Control Room 1-800-406-1697

Revised February 12, 2015

Page

NOTE: It is the Plan Holder's responsibility to:

- Ensure that all changes and updates are made;
- Remove and discard obsolete pages; and
- Replace obsolete pages with the updated pages.

REVISION RECORD			
CHANGE DATE	**REMOVE**	**INSERT**	**DESCRIPTION OF CHANGE(S)**
	PAGE NUMBER(S)		
May 11, 24, 30 2012	None.	Changes to p. 3-2 and 3-3.	Add missing names and contact information. Update names and contact information.
June 10, 2014			Annual review and update.
June 18, 2014	Removed Tornado Response Checklist	Added Serve Weather Response Checklist	Update – includes Tornado Info
Sept 4, 2014		Added Internal Contact Lists for Construction, Completions and Drilling	Construction, Completions and Drilling groups added to the NOR/SOR ERP. Revised Escalation Matrix and Incident Notification Procedure.
Feb 12, 2015			Annual review and update

DISTRIBUTION LIST
PLAN HOLDERS
Managers
Superintendents
EHS Specialists
EHS Managers
Facilities Engineer

1.1 INTRODUCTION

The purpose of this Emergency Response Plan (ERP) is to provide Hess personnel and their contractors with a quick reference to emergency procedures and guidelines to assist with courses of action in the event of a non-standard event.

This Emergency Response Plan (ERP):

- Implements Company policy;
- Provides guidelines for personnel responding to releases from Hess Corporation's North Dakota Operations Function;
- Helps on-scene personnel prepare for releases;
- Ensures an effective, comprehensive response;
- Reduces chances of injury or damage to responders, the public, and the environment;
- Defines alert and notification procedures to be followed when a release occurs;
- Outlines response procedures and techniques for combating the release; and
- Is realistic, practical, and easy to use.

The sole purpose of this document is to aid local Hess personnel and their contractors in the event of any number of emergencies identified in Section 2.0.

1.2 PLAN MAINTENANCE

This ERP should undergo an annual review and update by the EHS&SR Specialist with input as appropriate from Hess Management and the ER Department. Lessons learned from training, exercises and drills or event critiques shall be taken into consideration in the review process and as such provide input in the review process. Emergency contact numbers should also be called annual to ensure accuracy.

The following are examples of changes in operating conditions that are considered to cause a significant change to the ERP.

- Change in the type of hydrocarbons handled;
- Change in the type of potential incident that may occur;
- Change in the primary contractors;
- Change in location or availability of medical facilities or resources;
- Post incident evaluation results that identify a significant deficiency in response capability;
- Change in emergency response procedures; or
- Any additional information relating to circumstances that may affect full implementation of the ERP.

Upon making revisions to the document, the dates noted on the footers should be changed and the record of revision located in the Foreword should be utilized accordingly. Updates to the plans shall then be distributed to each of the plan holders

listed on the distribution list, which is also located in the Foreword.

1.3 ASSET DESCRIPTION

This plan covers emergency procedures and resources related to the following facilities:

FACILITY LOCATIONS

Facility Name: Base Production, Construction, Completions and Drilling Operations Business Function

As of March 2015 there are over 1450 oil/gas wells in the Hess ND production field. The field is broadly broken up in to two parts, Legacy and Bakken.

The Legacy field is typically made up of a series of wells feeding a central battery with a number of central batteries feeding a larger central facility. The well sites will usually (but not always) contain a pumping unit and line heater. The central battery will contain a combination of test and production vessel (separator and/or treater), possible line heater, gas knockout, chemical and fresh water injection systems, relief tank and in some cases an additional two phase separator. The central facilities contain multiple separators (including in some cases freewater knockouts) and treaters, storage tanks, chemical and fresh water injection systems, piping and an electrical building. The well sites, central batteries and central facilities are largely interconnected with pipelines including, oil, water, emulsion and gas. In addition to oil wells, the legacy field includes a number of injection wells and salt water disposal facilities that are used to re-inject produced water into various deep underground formations.

The Bakken field is made up of both stand-alone facilities, multi-well stand-alone facilities and gathered facilities both north and south of Lake Sakakawea. A typical vertical facility will contain a two phase separator, vertical treater, high and low pressure flare and flare knockout, storage tanks, piping, an electrical building, chemical and possibly freshwater injection systems. A typical multi-well horizontal facility will include a Portable Production Unit (PPU), Portable Production Facility (PPF), piping and an electrical building, chemical and possibly freshwater injection systems. However either type of facility may contain fewer or additional types/pieces of equipment.

In addition to the production field, Hess also maintains a gas plant, train loading facility for crude oil, propane, butane and natural gasoline, a truck offload facility and multiple gathering lines for oil and gas both north and south of Lake Sakakawea.

1. ***NOR Production Operations Supt. -*** **Tioga*: Caleb Eide –Office: 701-664-6208 Mobile: 701-641-0759***

2. ***SOR Production Operations Supt. - Keene/Killdeer/Fryburg: Cody Dukart – Office: 701-764-8411 Mobile: 701-339-9000***

3. ***Construction Supt. – Minot Rotator : Brandon Littlefair – 701-389-8028***

4. ***Completions Manager – Houston/Minot: Alfred Tischler – 720-648-8599; Completions Supt. Minot Rotators: Lance Roness – 701-648-9511; Don Parker – 701-389-2194; Nathan Neiszner – 701-509-4388***

5. Drilling Operations Supt. Minot Rotators: Ricky Graham – 701-50—6401; Russell McPhail – 701-420-6924; Jim Stover – 701-509-2042

Tioga Office (701) 664-3381
10384 68th Street NW
Tioga, North Dakota, 58852

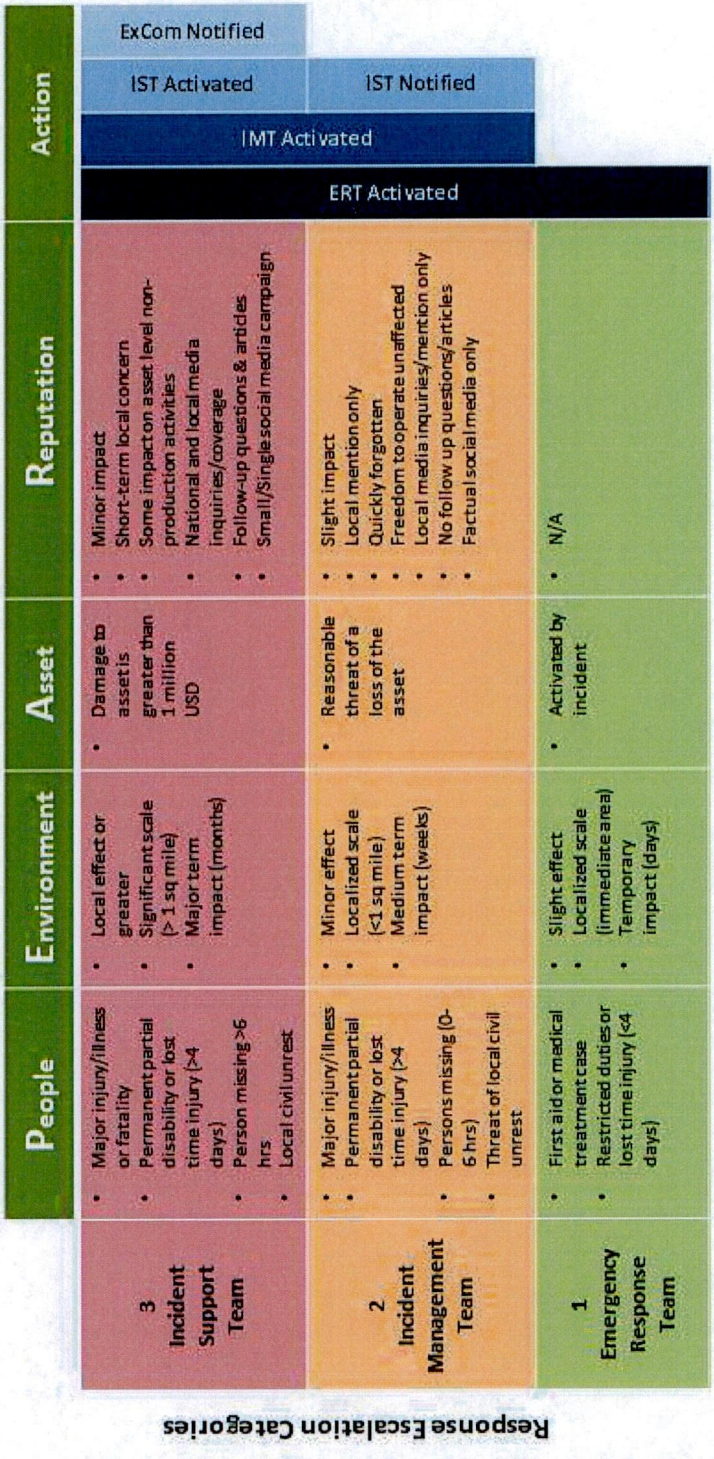
Keene Office (701) 675-2258
10892 Hwy 23
Keene, North Dakota, 58847

Killdeer Office (701) 764-8411
417 109th Ave SW
Killdeer, North Dakota, 58640

Belfield Office (701) 575-4226
905 Hwy 10 East
Belfield, North Dakota, 58622

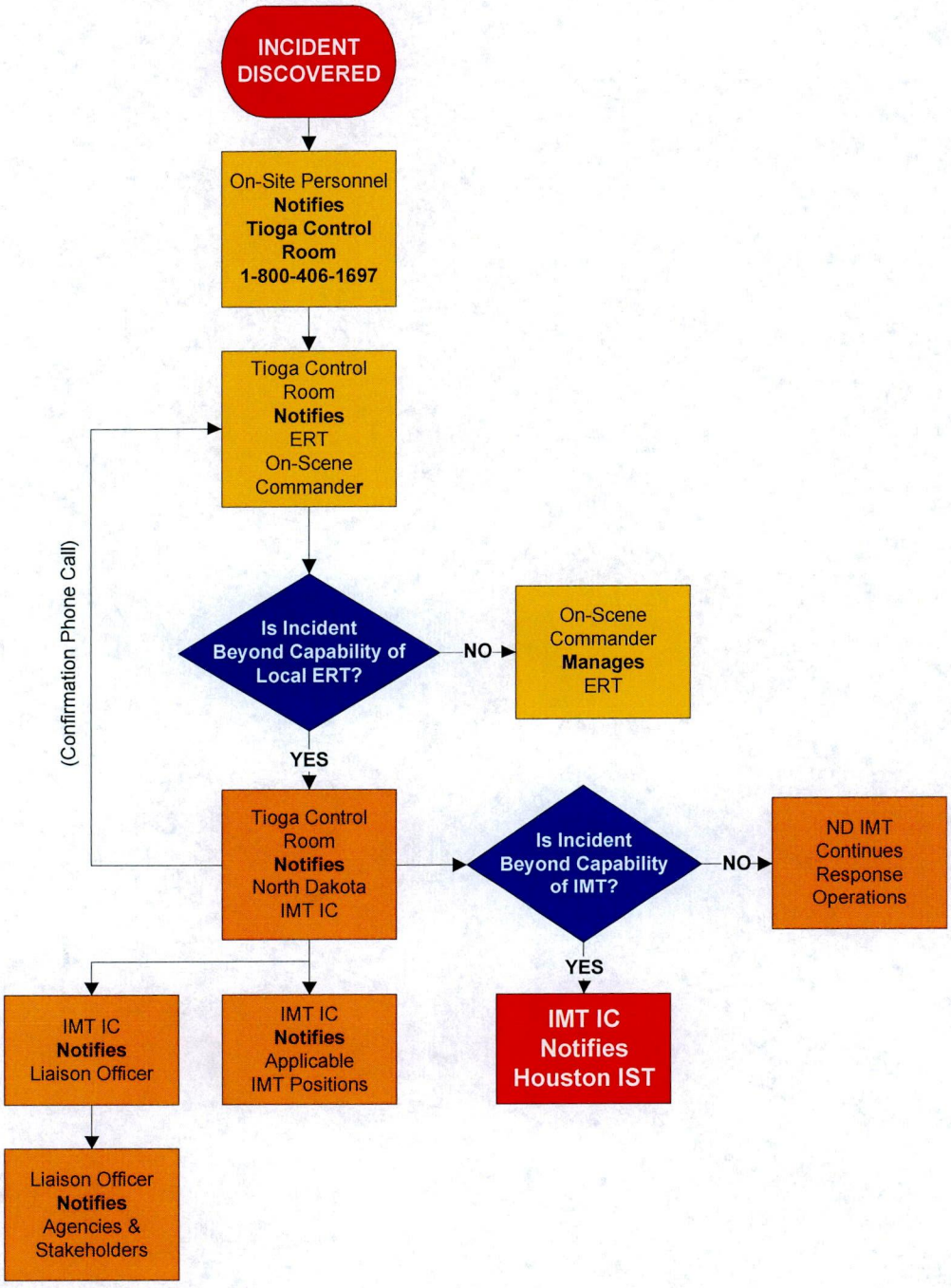
Minot Office (701) 420-6900
3015 16th Street SW Suite 20
Minot, North Dakota, 58701

Figure 1.1
Escalation Matrix



Categories 2 and 3 incidents listed above in the Escalation Matrix require immediate notification to the Tioga Office Control Room (CALL CENTER) at 1-800-4016-1697.

Figure 1.2
Incident Notification Procedure



2.1 OVERVIEW OF RESPONSE ACTIONS

Initial response actions (Fig. 2.1) are those taken by operations personnel immediately upon becoming aware of a discharge or emergency incident, before the Emergency Response Team (ERT) is formed and functioning. Timely implementation of these initial steps is of the utmost importance because they can greatly affect the overall response operation.

The pages that follow discuss initial response actions. These emergencies are discussed in the order listed below:

- Fatality;
- Medical Evacuation (MEDEVAC);
- Fire/Explosion;
- Severe Weather;
- Flood;
- Hydrogen Sulfide (H_2S);
- Injury / Illness;
- Oil / Chemical Spill;
- Security
- Acrolein Release – Beaver Lodge
- Production Tactical Response Plan - SOR SC-4WX
- Well Control Blowout

It is important to note that **these actions are intended only as guidelines**. The appropriate response to a particular incident may vary greatly depending on the nature and severity of the incident and on other factors that are not readily addressed. Note that, **without exception, personnel and public safety is always the first priority**.

The first Company person on scene will function as the person-in-charge until relieved by an authorized supervisor who will assume the position of the On-scene Incident Commander (IC). Transfer of command will take place as more senior management respond to the incident.

The person functioning as **On-scene Incident Commander** during the initial response period **has the authority to take the steps necessary to control the situation and should not be constrained by these general guidelines**.

2.2 EMERGENCY RESPONSE TEAM ACTIVITIES

Establish Site Control

- ❑ Identify Person-In-Charge (PIC) – "On Scene Commander"
- ❑ Isolate & Secure Area
- ❑ Evacuate Non-Responders
- ❑ Establish Personnel Accountability System
- ❑ Establish Isolation Zone(s)
- ❑ Identify Staging Areas & Check-In System

Establish Site Management

- ❑ Assess Incident (Including Incident Potential)
- ❑ Notify Control Room
- ❑ Implement Appropriate Contingency Plan
- ❑ Establish Operational Objectives
- ❑ Identify Tactics
- ❑ Assign Resources (Personnel/Equipment
- ❑ Monitor Operations

Establish Site Safety

- ❑ Identify Chemical/Physical Hazards & Hazard Locations
- ❑ Define Hazard Control Zones
- ❑ Establish PPE Requirements
- ❑ Establish First Aid Station(s)
- ❑ Establish Decon Area prior to entering the Exclusion (Hot) Zone
- ❑ Conduct Pre-Entry Briefings
- ❑ Continuously Monitor Site for Hazard Changes

Establish Communications

- ❑ Establish Communications Linking PIC/On Scene Commander to Tactical Responders
- ❑ Establish Communications Linking PIC/On Scene Commander to Staging Area(s)
- ❑ Establish Communications linking Staging Area to Logistics Support
- ❑ Establish Communications linking PIC/On Scene Commander to ER Support Team

2.3 EMERGENCY SHUT DOWN SYSTEM (ESD)

The Emergency Shutdown System (ESD) is designed to minimize the consequences of emergency situations, escape of hydrocarbons, or outbreak of fire in hydrocarbon carrying areas or areas which may otherwise be hazardous.

The oil gathering booster pump stations have three automated features to assist with shutdowns as well as a relief valve installed. Each pump will automatically shut down in a no flow condition and under high pressure. Relief valves are also installed should the high pressure fail to work to allow for the excess pressure to be vented into a sump below the floor of the building. The final automated system available is an Emergency Shutdown available through ICONICS.

There are single unit ESD's that specifically shutdown an individual piece of equipment and or building (i.e. Compressors, Dehydration units, Vapor Recovery Units etc.). Also there are complete station shutdown ESD's that once pushed/pulled will isolate the entire station.

The emergency shutdown system for a process control system includes an emergency shutdown (ESD) valve and an associated valve actuator. An emergency shutdown (ESD) controller provides output signals to the ESD valve in the event of a failure in the process control system. A solenoid valve responds to the ESD controller to vent the actuator to a fail state. A digital valve controller (DVC) test strokes the ESD valve. An impedance booster device enables the dc (direct current) powering of the solenoid valve and the DVC over a two wire line while still permitting digital communication over the same two wire line.

A shut down valve (also referred to as SDV or Emergency shutdown valve, ESV, ESD, or ESDV) is part of the SIS (Safety Integrated System) it's an actuated valve designed to stop the flow of a hazardous fluid or external hydrocarbons (gases) upon the detection of a dangerous event.

Actuators are designed to fail open or closed depending on its location and involvement in the process. This provides protection against possible harm to people, equipment or the environment. Shutdown valves form part of a instrumented safety system. The process of providing automated safety protection upon the detection of a hazardous event is called functional safety.

STATION ESD LOCATED AT ENTRANCE TO WELL SITE

PUMPING WELL ESD VALVE ACTUATOR LOCATED ON FLOW LINE

STATION ESD LOCATED OUTSIDE OF PPU BUILDING

FIGURE 2.1
RESPONSE CHECKLIST – FATALITY

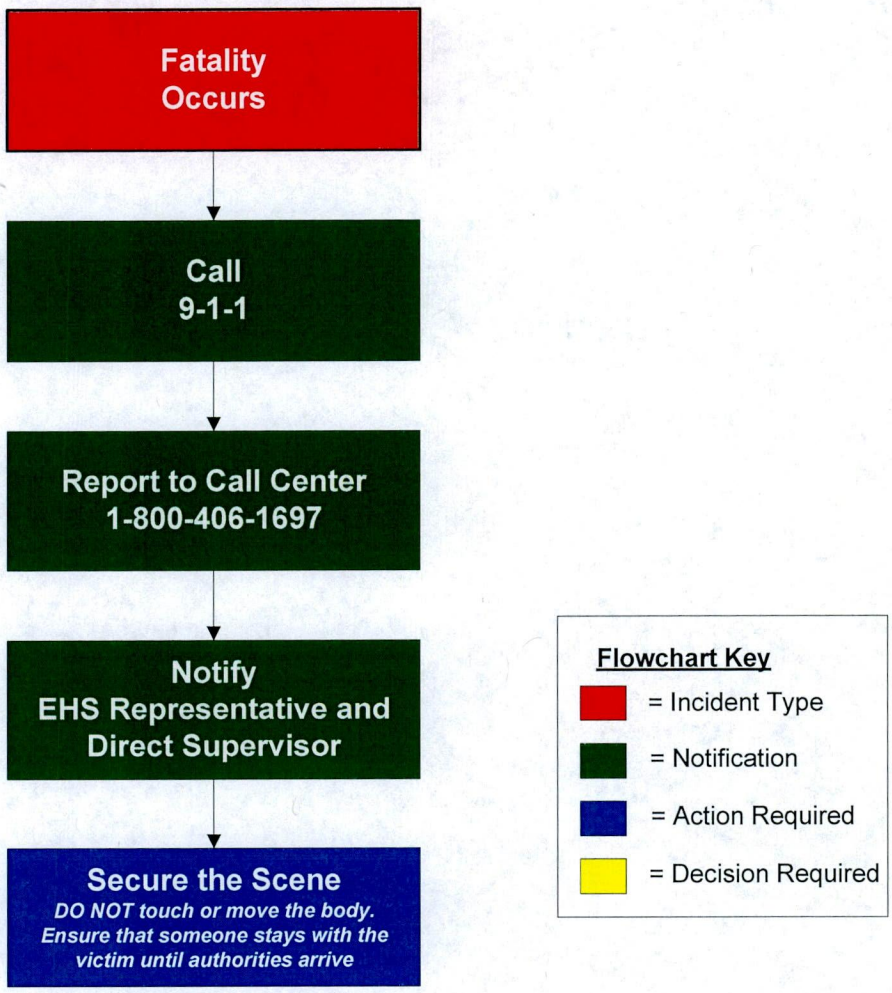
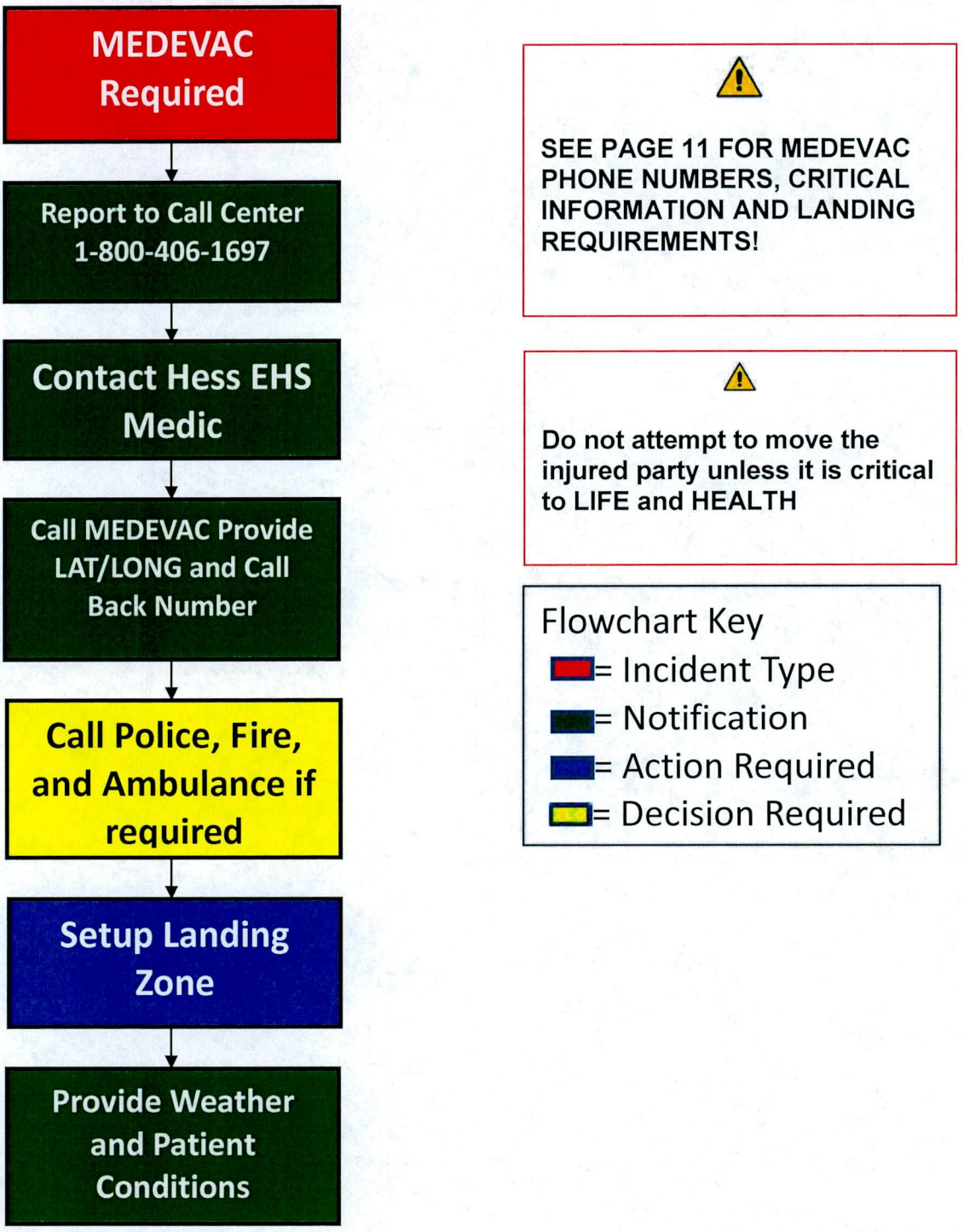


Figure 2.2

RESPONSE CHECKLIST- MEDICAL EVACUATION (MEDEVAC)

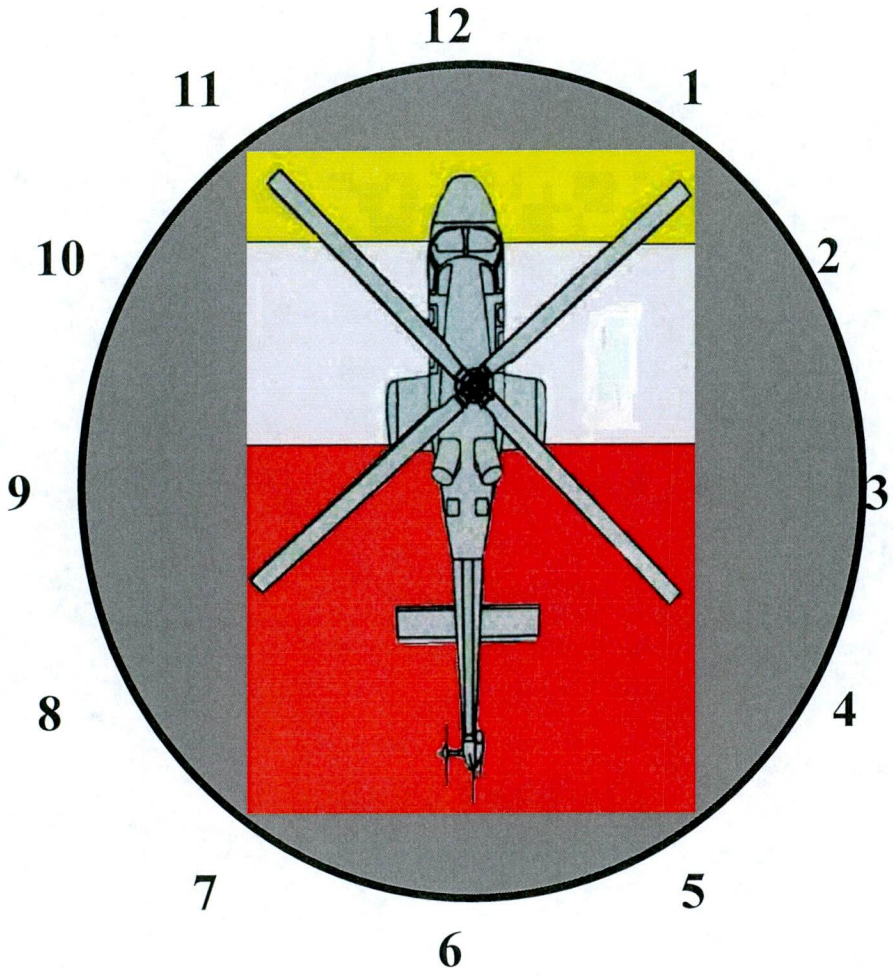


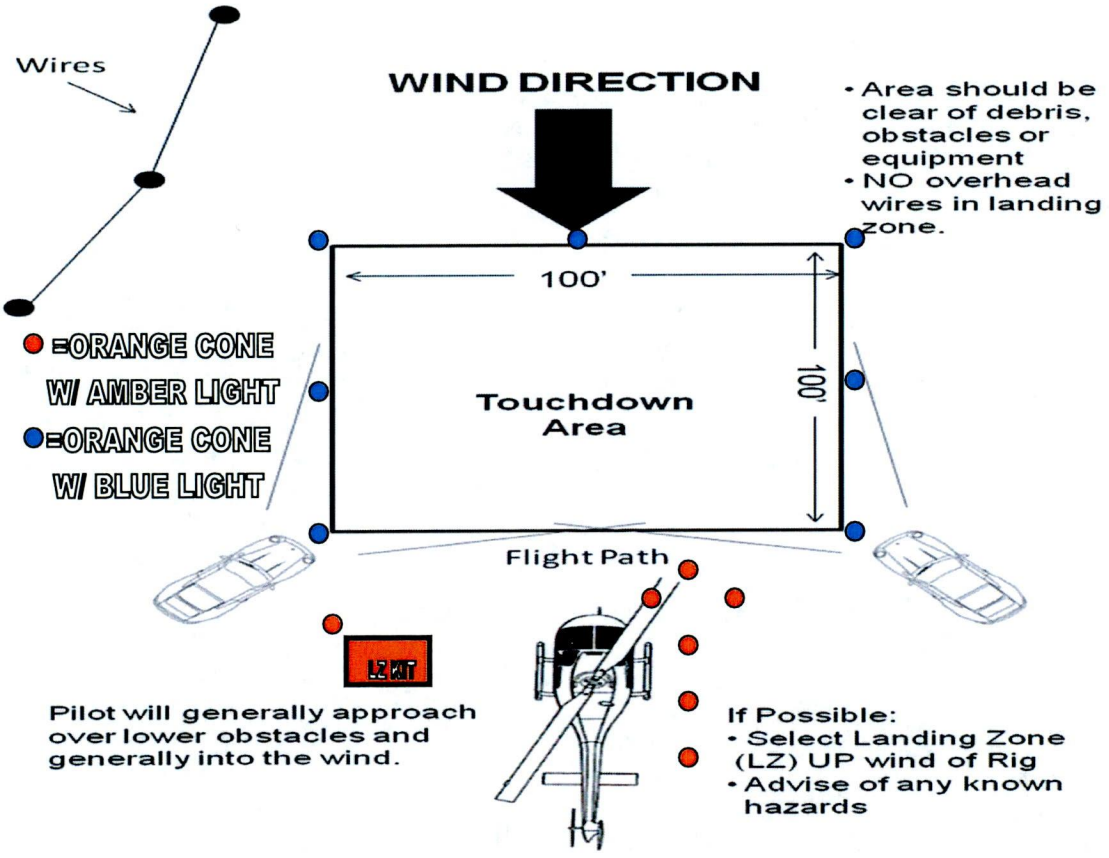
2.4 MEDICAL EVACUATION (MEDEVAC)

Setting up a Helicopter Landing Zone (LZ):

1. The Preferred Landing Zone (LZ) is:
   - 100 feet by 100 feet.
   - Level as possible (minimal slope - less than 8 degrees).
   - Hard surface, grassy area or hard packed snow. Avoid loose dirt, dust, or snow. (The pilot will blow loose dust and snow from the area prior to landing if needed). If available and asphalt road in the near vicinity may be used.
   - Free of overhead obstructions (wires, antennas, poles).
   - Area is clear of debris, large rocks, posts, stumps, vehicles, people, animals and other hazards.
   - Plan for alternate LZ's (Pilot may determine LZ to be unsafe upon arrival).
   - LZ can NOT be in the vicinity to the rigs flare stack, or the Geronimo line anchor.
   - The wind sock and aircraft approach will be deployed upon calling for a medevac.
2. HAZ-MAT- Always inform the pilot and medical crew if the victim was exposed to hazardous material and needs to be decontaminated.
3. Patient must be removed from the hot or dangerous zones. Patients must be decontaminated PRIOR to flight. Patient will not be brought to Landing Zone. Do not move patient until told to do so by EMS, unless life threatening.
4. When the Helicopter is approaching, the Pilot will establish radio contact on the assigned frequency 123.025 with LZ Command/EHS at 30 and 5 minutes out. Describe LZ location, lighting, hazards, and the location of any OVERHEAD wires, obstructions, slope, surface condition, wind direction and estimated speed. Maintain radio contact at all times until helicopter has landed, loaded, and departed the area.
5. Everyone in the landing zone before, during and after the Helicopter lands and departs MUST wear goggles and hearing protection. Hard hats and ball caps are NOT allowed in the vicinity of the Landing Zone.
6. Approach angles over obstacles should be less than 20 degrees.
7. Night LZ's REQUIRE good communications, lighting and alertness.
8. Set up night LZ with secured lights and windsock to show pilot the direction the wind is coming from.
9. Blue perimeter lights shall be constantly lighted while amber flight path lighting shall be strobes.
10. If no other portable lights are available, cross vehicle headlights **on low beams**, into the wind shining at the center of the LZ. Never shine a light at the helicopter or the pilot
11. Always keep LZ clear of people and other potential hazards upon approach and departure of Helo.
12. Approach the Helicopter from the 2 and 10 O'clock positions only!
13. Always avoid TAIL ROTOR area.
14. Flag off or alert the Pilot via radio of any hazards that may arise upon the helicopter approaching the LZ.

- Red and Yellow show DANGER zones - DO NOT APPROACH THE HELICOPTER IN THESE AREAS.
- You MUST establish visual contact with the pilot upon approaching the Helicopter.
- Only approach Helicopter from the 10 and 2 o'clock positions once visual contact has been made with the pilot.





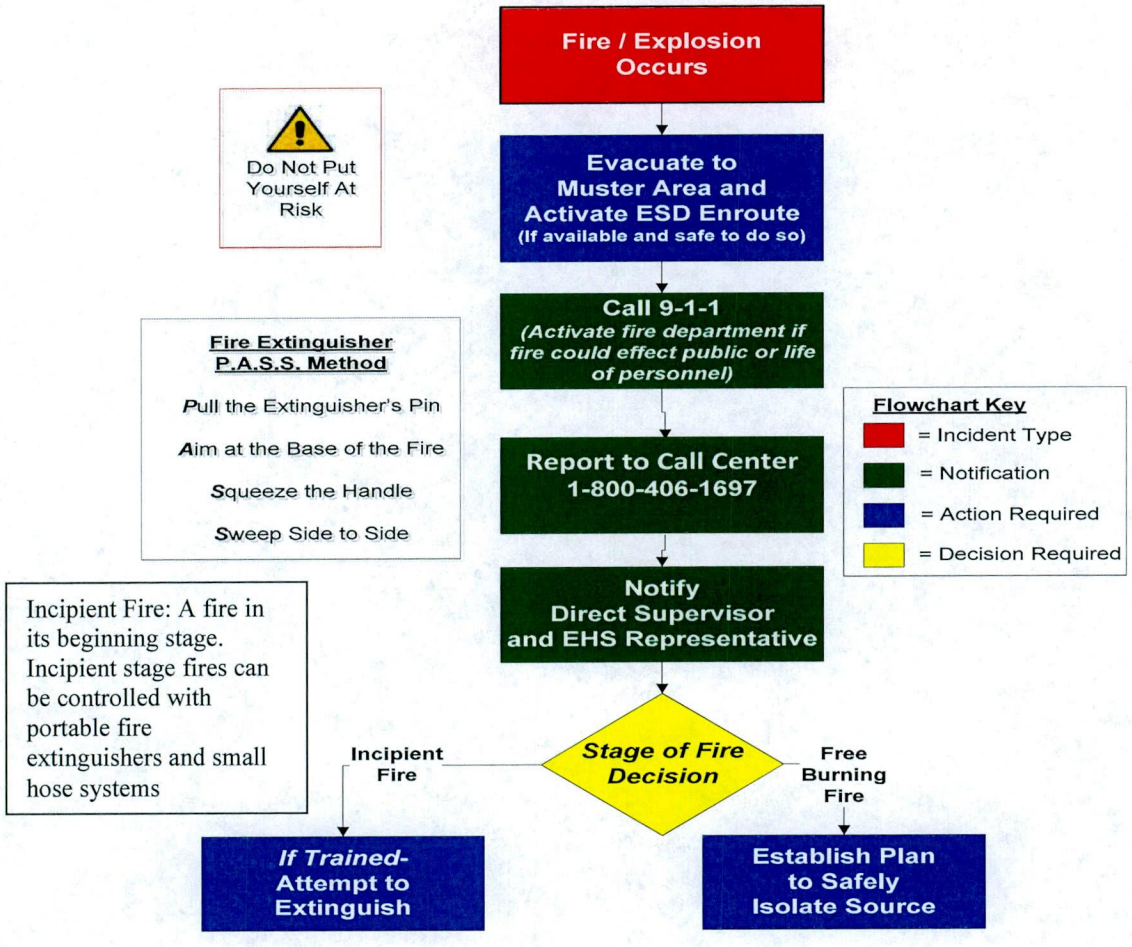
<u>Helicopter Services may be requested directly via 911 by Hess Medics or EMS.</u>

On-Scene Commanders may call Helicopter Services directly using the following numbers:

- (Minot) North Star Criticair 1-701-857-3000
- (Williston) Valley Med Flight 1-800-828-0168
- (Williston) Guardian Angel Flight 1-855-291-8989
- (Bismarck & Fargo) Sanford Air Medical 1-800-437-6886
- (Dickinson) Spirit Lifeline - Coordinates flights for 24 counties in western ND 1-701-328-9921

1. Provide your name, agency and call back number.
2. Provide nature of the incident and # of patients (age and approx. weight).
3. Provide GPS Coordinates (Degrees: Minutes: Seconds).
4. Provide Local Weather Conditions.
5. Provide Radio Frequency or Channel for Air to Ground Coms and Name of the On-Scene LZ Coordinator.

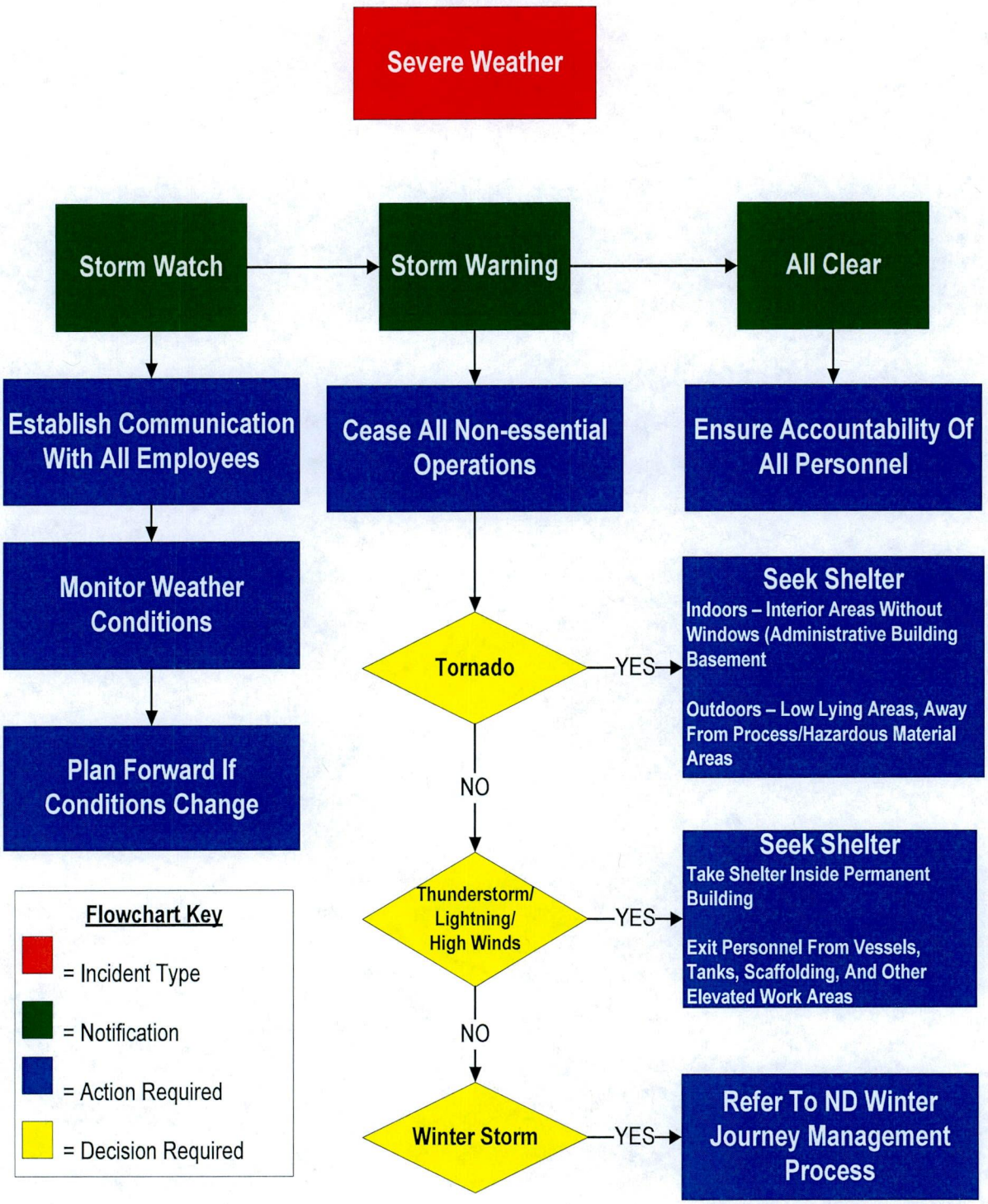
FIGURE 2.3
RESPONSE CHECKLIST – FIRE/EXPLOSION



Class A Fire – Wood, Paper, Cloth, Trash
Class B Fire – Flammable Liquids, Oil, Gas, Grease
Class C Fire – Energized Wires, Electrical Equipment
Class D Fire – Combustible Metals

Water Extinguisher	CO_2 Extinguisher	ABC Extinguisher
Use On Class A Fires	Use On Class B and Class C Fires	Use On Class A, Class B, and Class C Fires
• Pressurized Water; and • A Pressure Gauge Is Present.	• Has Large, Hard Plastic Nozzle; and • No Pressure Gauge.	• Fine Powder Under Pressure; and • A Pressure Gauge Is Present.

FIGURE 2.4
RESPONSE CHECKLIST – SEVERE WEATHER



Take Shelter!

At Home - Pick a place in the home where family can gather. One basic rule - *AVOID WINDOWS.* The safest place in the home is the interior part of a basement. If there is no basement, go to an inside room, without windows, on the lowest floor (center hallway, bathroom, or closet).

DO NOT STAY IN A MOBILE HOME DURING A TORNADO. Plan ahead and go to a nearby building, preferably one with a basement. If there is no shelter nearby, lie flat in the nearest ditch, ravine, or culvert and shield your head with your hands.

On the Road - The least desirable place to be during a tornado is in a motor vehicle. Cars, buses, and trucks are easily tossed by tornado winds. *DO NOT TRY TO OUTRUN A TORNADO IN YOUR CAR.* If you see a tornado, stop your vehicle. Do not get under your vehicle.

Outdoors - Do the following if you are caught outside during a tornado and there is no adequate shelter immediately available: - Avoid areas with many trees. - Protect your head with an object or with your arms.

Office Buildings, Schools, Hospitals, Churches, and Other Public Buildings - Extra care is required in offices, schools, hospitals, or any building where a large group of people is concentrated in a small area. The exterior walls of such buildings often have large windows.

Do the following if you are in any of these buildings: 1) Move away from windows and glass doorways. 2) Go to the innermost part of the building on the lowest possible floor. 3) Do not use elevators because the power may fail, leaving you trapped. 4) Protect your head and make yourself as small a target as possible by crouching down.

FIGURE 2.5
RESPONSE CHECKLIST – FLOOD

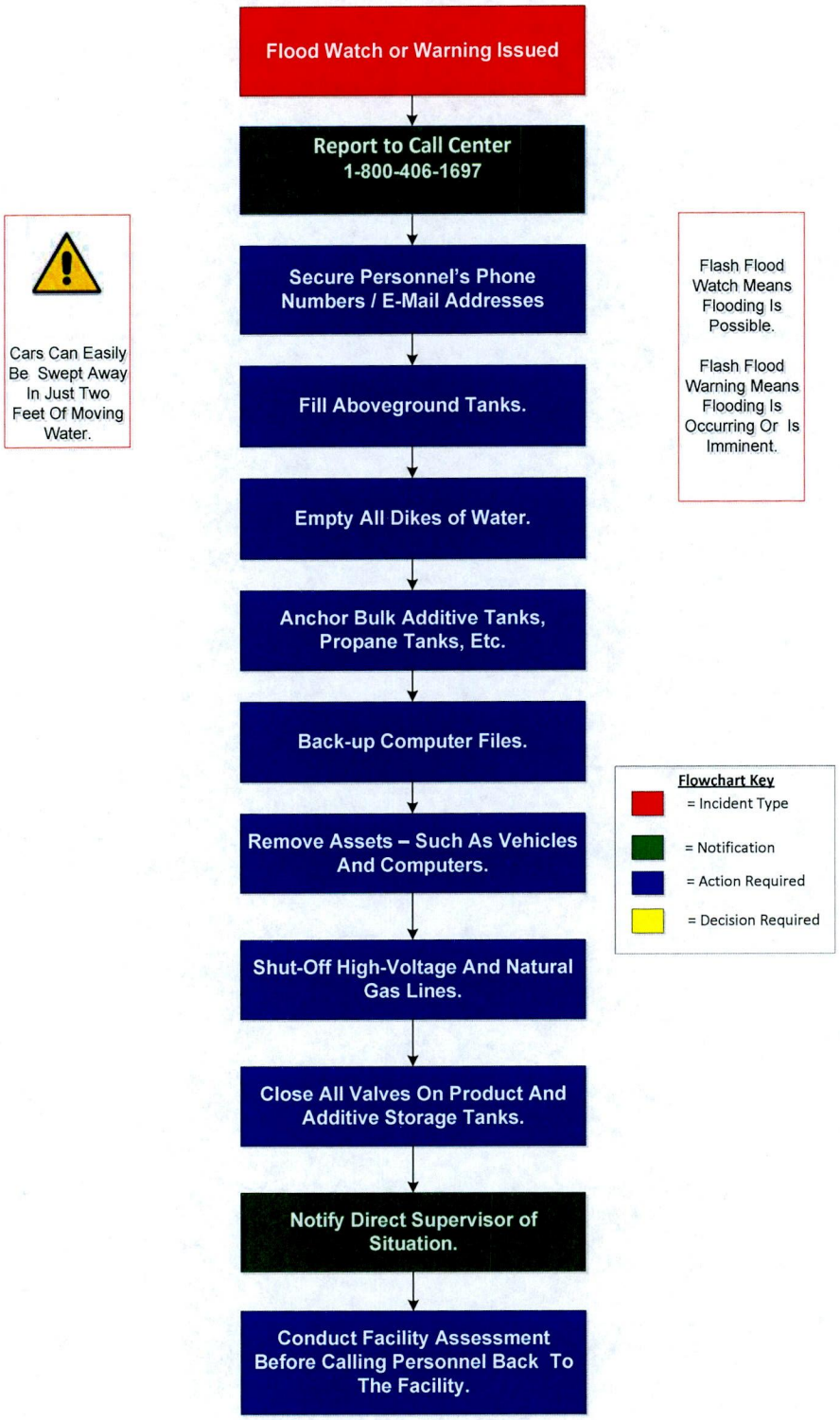
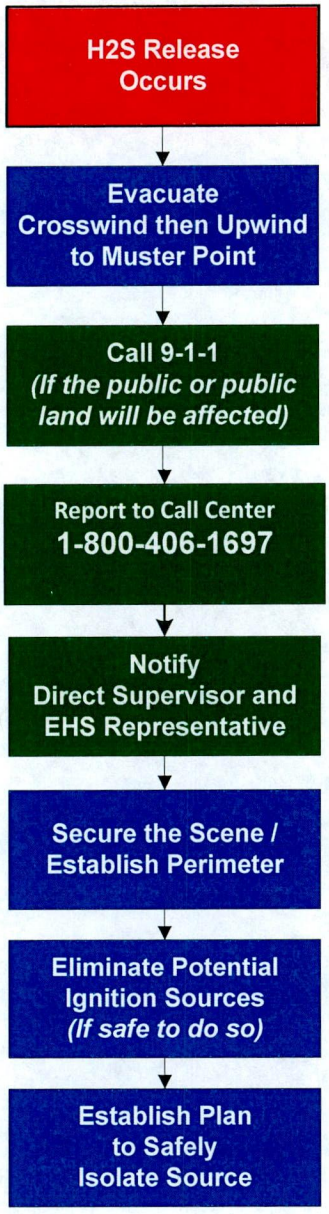


FIGURE 2.6
RESPONSE CHECKLIST – HYDROGEN SULFIDE (H_2S)



H_2S Is Extremely Flammable and Toxic.

Do Not Use The Mouth-To-Mouth Method If A Victim Ingested or Inhaled H_2S; Give Artificial Respiration With The Aid Of A Pocket Mask Equipped With A One-Way Valve Or Other Proper Respiratory Medical Device.

All Equipment Used When Handling H_2S Must Be Grounded.

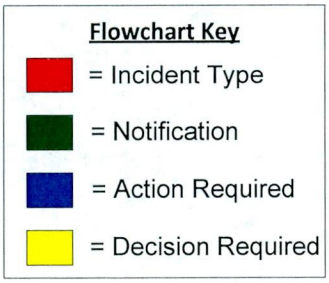
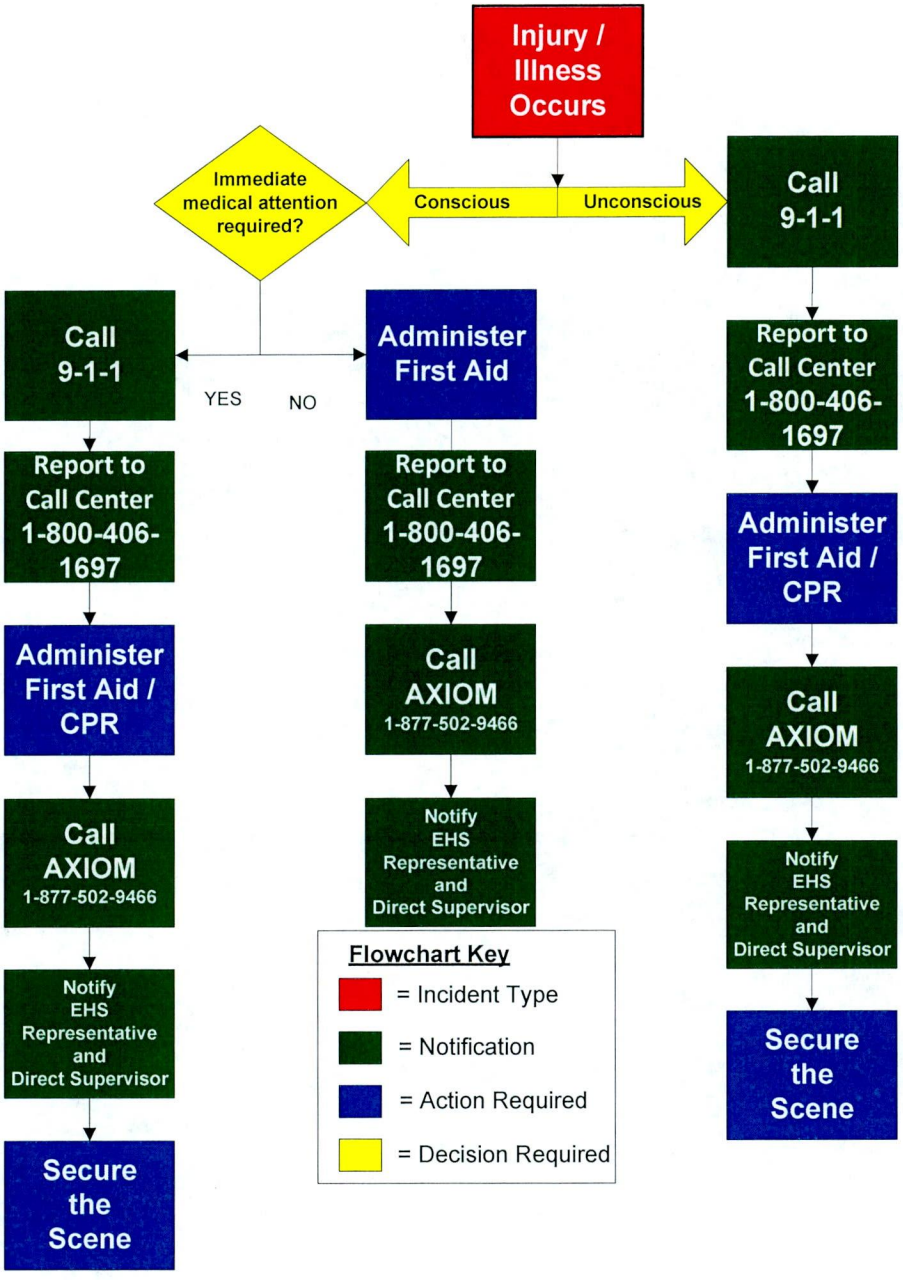


FIGURE 2.7
RESPONSE CHECKLIST – INJURY / ILLNESS



IF THE INJURY IS SERIOUS:

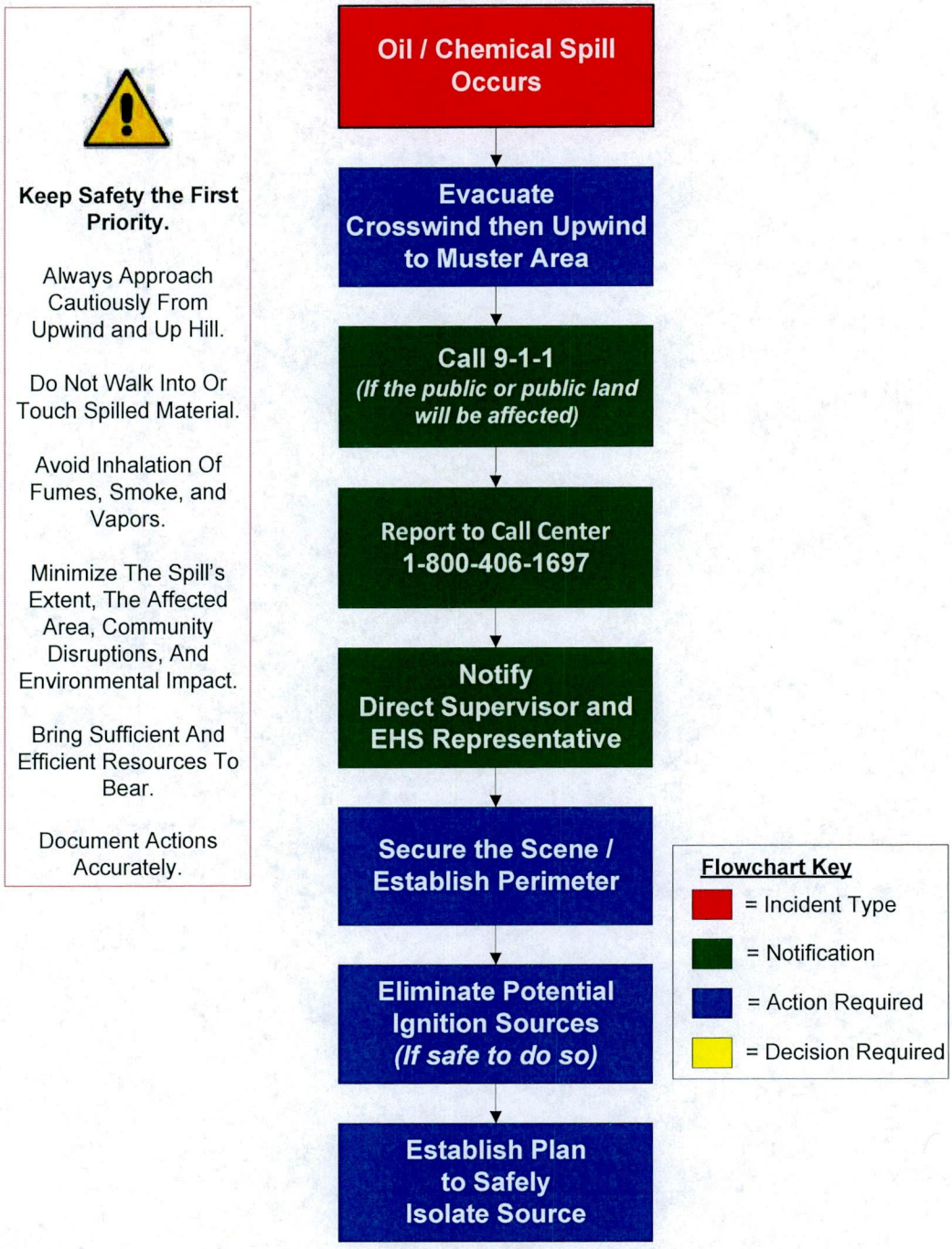
- DO NOT Move Victim Unless Surrounding Conditions are Life Threatening;
- CONTROL Bleeding;
- ENSURE Adequate Breathing;
- KEEP Injured Person Lying Down;
- GIVE NOTHING BY MOUTH;
- PREVENT Loss of Body Heat; and
- PRIORITIES ARE:

  [1] RESCUE,

  [2] STABILIZE, and

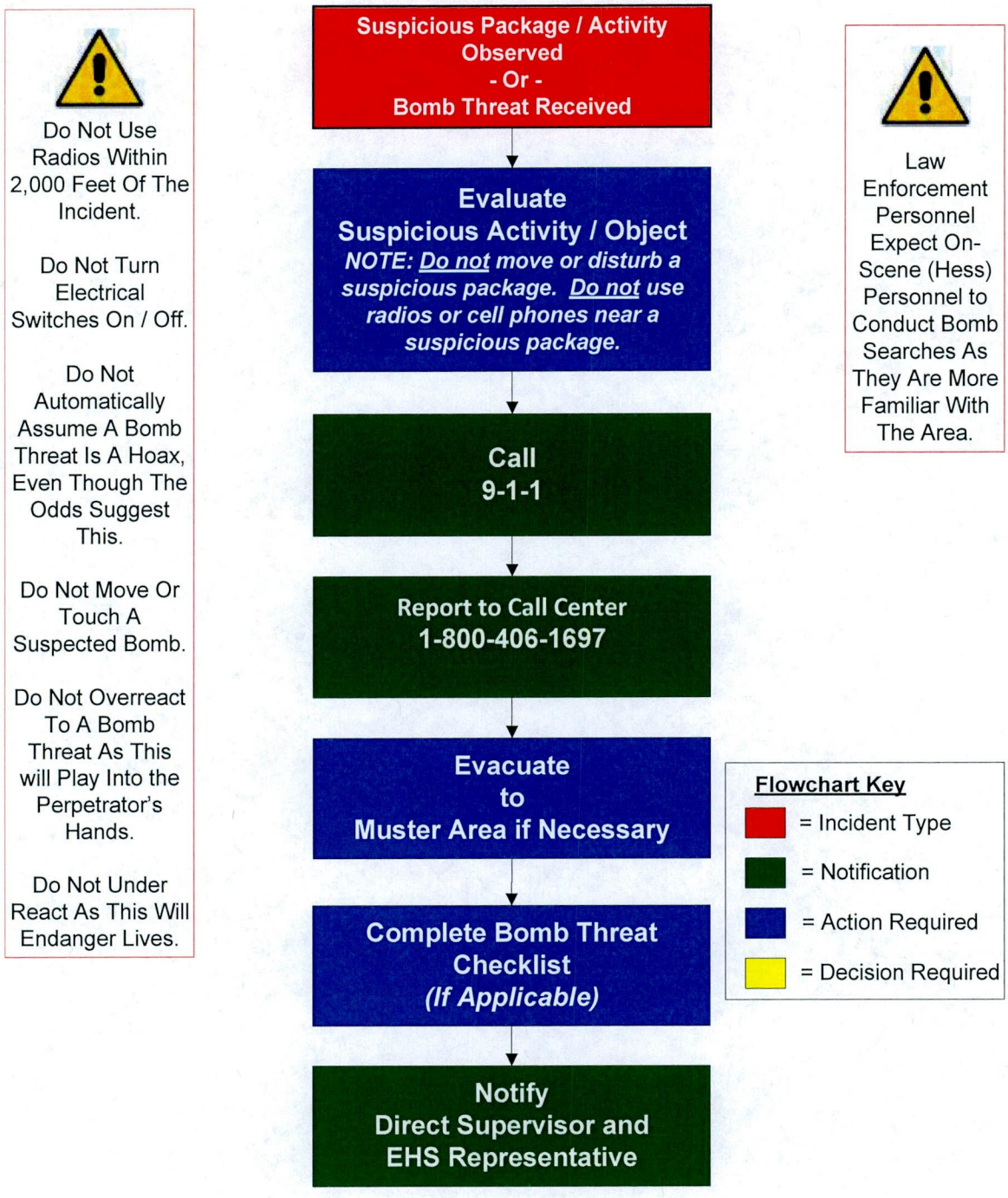
  [3] TRANSPORT to Medical Facility.

FIGURE 2.8
RESPONSE CHECKLIST – OIL / CHEMICAL SPILL



For spill incidents involving Hess ND jurisdictionally regulated (PHMSA) pipeline systems/segments reference the Hess ND Operations & Maintenance Manual for Hazardous Liquid Pipelines found at:
http://hessconnect.ihess.com/sites/unconventionals/ubuehs/DOT%20Documents/Forms/AllItems.aspx?RootFolder=%2Fsites%2Funconventionals%2Fubuehs%2FDOT%20Documents%2F11%20Documents%20and%20Data%20Control%2FSWP%2F01%20HESS%20%2D%20OM%20Books%20in%20PDF%2FHAZ%20LIQ%20PL%2FO%5FM%20Manual&InitialTabId=Ribbon%2EDocument&VisibilityContext=WSSTabPersistence

FIGURE 2.9
RESPONSE CHECKLIST – SECURITY



BOMB THREAT CHECKLIST

Exact date & time of the call: **Time call ended:**

Exact words of caller:

QUESTIONS TO ASK CALLER:

1. When is the bomb going to explode?
2. Where is the bomb?
3. What does it look like?
4. What kind of bomb is it?
5. What will cause it to explode?
6. Did you place the bomb?
7. What is your name?
8. From where are you calling?
9. What is your address?
10. Why did you place the bomb?

CALLER'S VOICE (circle)

Calm	Rapid	Deep	Angry	Accent
Excited	Slow	Squeaky	Sincere	Lisp
Nasal	Normal	Crying	Loud	Stutter
Stressed	Broken	Giggling	Disguised	Slurred

If the voice is familiar, whom did it sound like?

Was there any background noise?

What was on the Caller ID (may indicate origin of the call)?

Person receiving call:

Telephone number call received at:

Was the call recorded?

Reported call immediately to supervision/management:

FIGURE 2.10
RESPONSE CHECKLIST – ACROLEIN – BEAVER LODGE

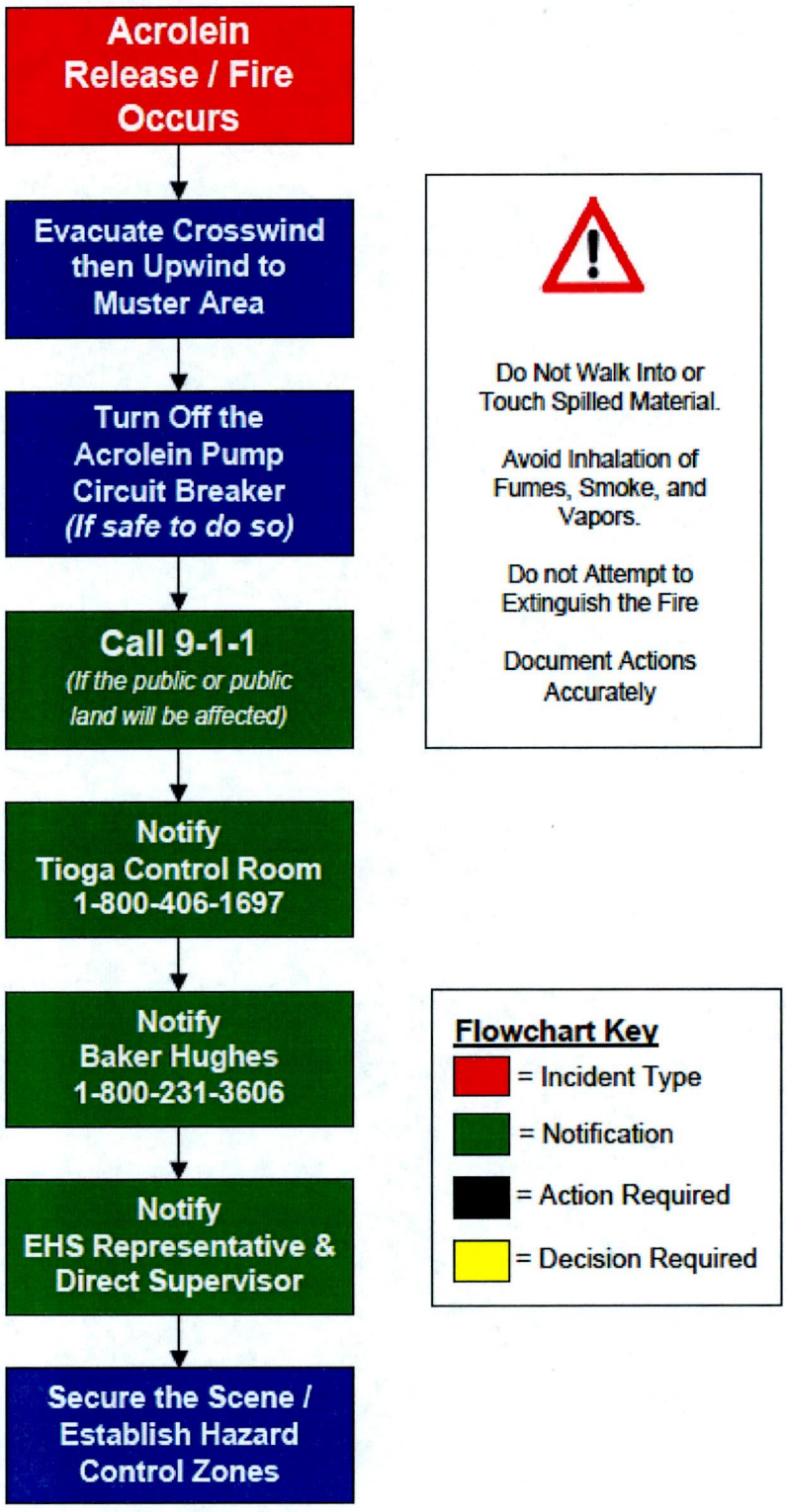


FIGURE 2.10 CONTINUED

BEAVER LODGE SITE LAYOUT

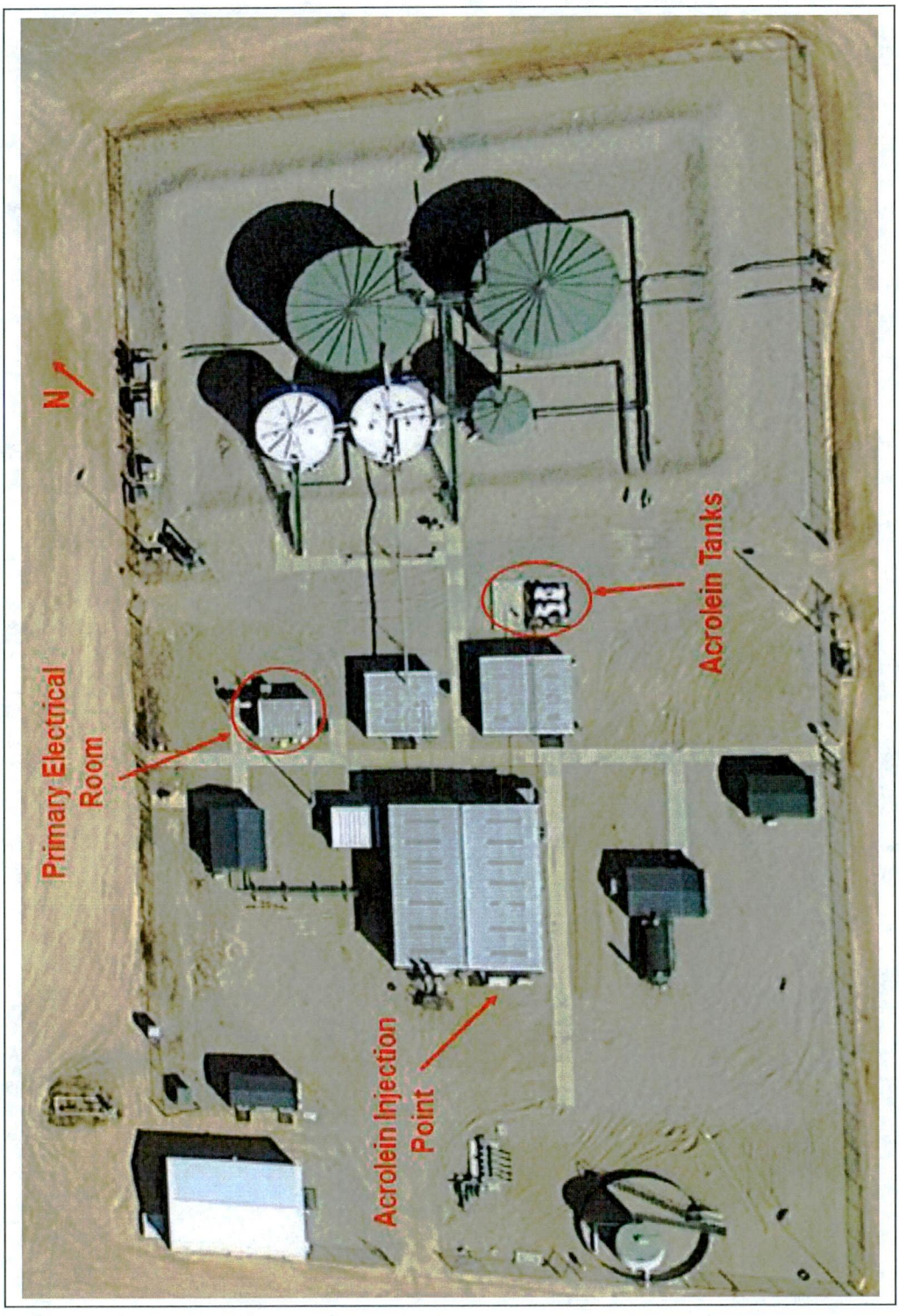


FIGURE 2.11
PRODUCTION TACTICAL RESPONSE PLAN – SOR SC-4WX

Production Tactical Response Plan For SC-4WX

Evacuation Tactics: *All personnel will muster at Muster Point 1 for Count 1. If conditions are present that do not allow for this area to be used then personnel shall muster at the alternate Muster Point (2).*

SAFETY CONSIDERATIONS: *Personnel must remain at the Muster Point until released.* **V 1.5**

Site Info

SC-4WX
LAT 48° 01' 22.80" **N**
LON -103° 20' 05.78" **W**

SITE DESCRIPTION:
The well site is located in McKenzie County, approx. 10 mi north of Watford City, ND

DIRECTIONS/SITE ACCESS:
From Watford City, ND:
East of Watford City on HWY 23, Travel North on 125th ave NW for 10 miles to a Y. Go left through Y for 100ft, turn right (there will be 3 Continental Well signs in the ditch), follow road thru two Continental well sites. Keep right when on this road (marked with yellow arrows) to our location, SC-4WX/5WX.

Hess Contact Information
Arnold Swenson (Production Supv.)
1-701-570-8728 / 1-701-675-8123
Cody Dukart (Production Supt.)
1-701-339-9000 / 1-701-764-8411
William Slagle (Drilling Supt.)
1-307-921-1438
Russell McPhail (Drilling Supt.)
1-701-340-6480 / 1-701-420-6924
Don Parker (Completions/WOR Supv.)
1-701-389-2194
Lance Roness (Completions/WOR Supv.)
1-701-648-9511 / 1-701-509-2042
Nathan Neiszner (Completions Supt.)
701-509-4388 / 1-701-420-6910

Safety Officers
Andy Larsen (Production)
701-240-6877
Jason Dalen (Production)
701-339-2732
Josh Blackaby (Drilling)
701-389-7040
Wes Frisco (Completions)
701-641-2194

FIGURE 2.11 CONTINUED
PRODUCTION TACTICAL RESPONSE PLAN – SOR SC-4WX

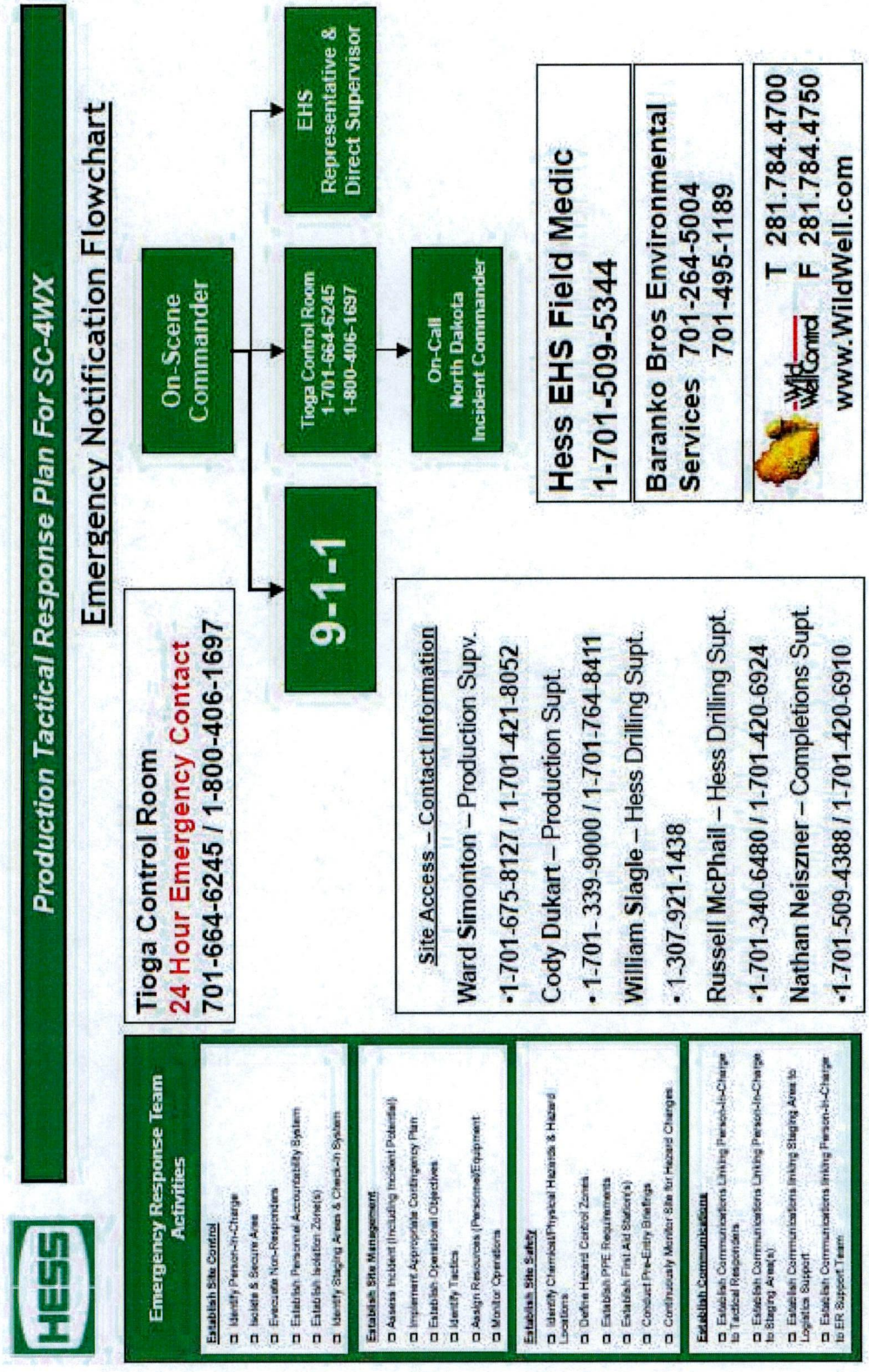
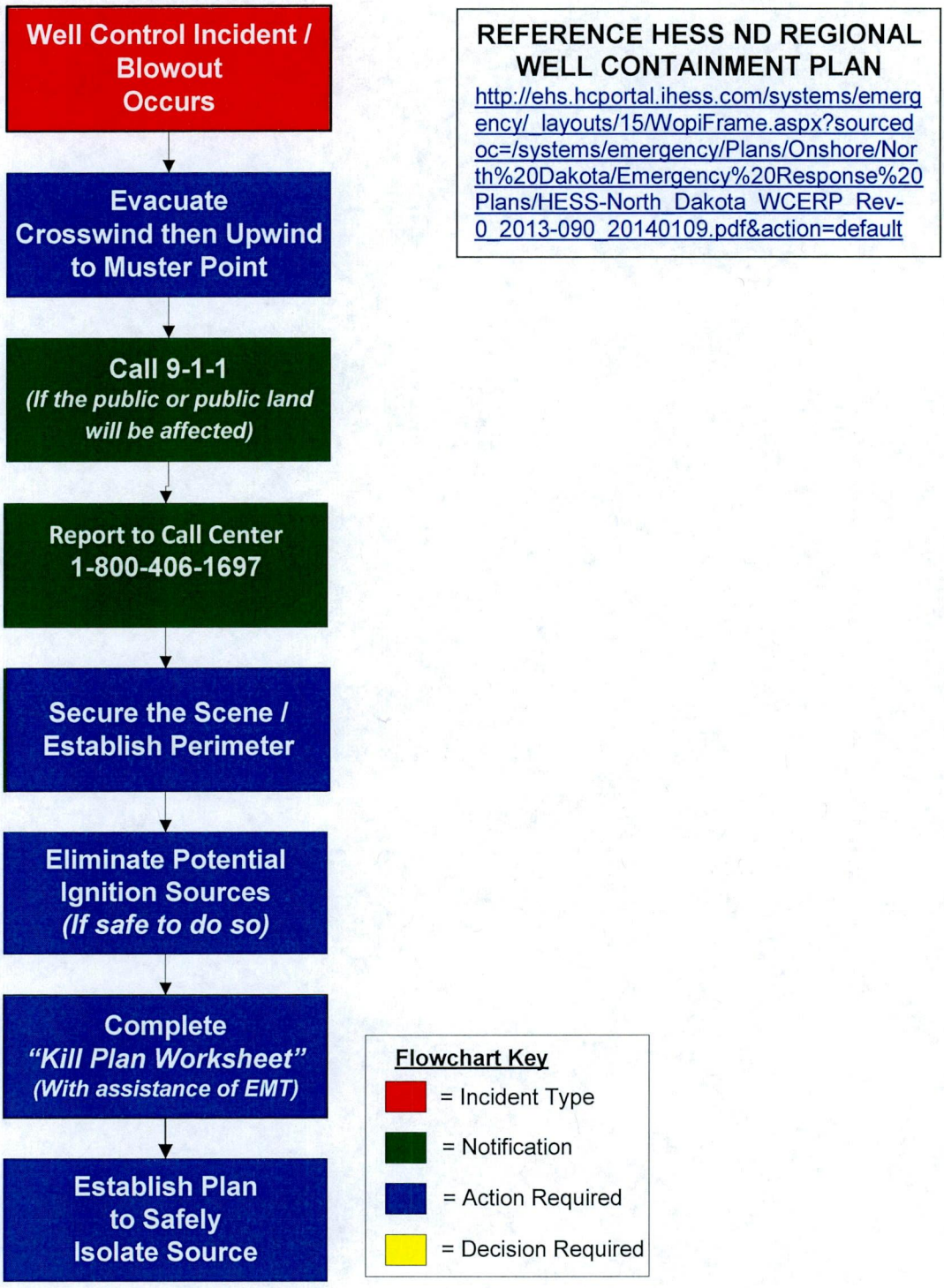


FIGURE 2.12
RESPONSE CHECKLIST – WELL CONTROL BLOWOUT



WELL KILL DATA SHEET

Kill Plan Worksheet	
Rig Name:	
Activity Prior to Blowout	
Well Type Weather Conditions	
Location Information	
Current Well Condition	
Well site Debris	
Location Description	
Fryburg Area Details	
Terrain Description	
Population Impact	
Location Hazards	
Water Supply	
Affected Operations	
Environmental Concerns	
B.O.P. - Production Tree - Wellhead Information	
Exit Point	
Flow/Fire Details	
Wellhead Size Pressure Rating	
Wellhead Status/Configuration	
Production Tree Size Pressure Rating	
Tree Description	
BOP Bore Size Pressure Rating	
BOP Status/Configuration	

WELL KILL DATA SHEET (Cont'd)

Kill Plan Worksheet (Cont'd)	
Tubular Data / Wellbore Geometry	
Casing (Schematic or Description)	
Drillstring / Workstring (Schematic or Description)	
Open Hole	
OD MD TVD Angle DLS	
Lithology/Zones	
Shoe / Liner Top Tests	
Bit information	
Bit Depth (MD) No. of Jets	
Bit Type Size of Jets (32nd)	
Downhole Tool / BHA Information	
Reservoir Data	
Reservoir Depth	
Bottom Hole Pressure	
Bottom Hole Temperature	
Reservoir Thickness	
Estimated Flow	
GOR	
GWR	
Personnel Requested	
Equipment / Materials Requested	

3.1 INTERNAL NOTIFICATIONS

The following internal notifications should be made for each emergency incident to the extent that the incident demands (telephone reference is provided in Figure 3.1). In no event shall notification be delayed because the immediate supervisor is inaccessible. Authorization is given to bypass management levels if necessary to provide timely notification to appropriate management. The typical internal notification responsibilities for each person potentially involved in the initial response are shown in the diagram below.

More detail on the process for escalating events can be found in the North Dakota Incident Management Plan (IMP)
http://houshare.ihess.com/sites/emergencycontacts/Plans/Forms/AllItems.aspx?RootFolder=%2Fsites%2Femergencycontacts%2FPlans%2FUnconventionals%2FNorth%20Dakota

FIGURE 3.1

Base Production North of the River (NOR) Internal Notifications

POSITION/TITLE	NAME	OFFICE	CELL
Tioga Office Complex Control Room		1-800-406-1697	
Tioga Gas Plant Control Room		701-664-6530	
AXIOM Medical Consulting		1-877-502-9466	
Hess Field Medic		701-509-5344	
NOR Operations Supt.	Caleb Eide	701-664-6208	701-641-0759
Production Supervisor	Ray Dean Strid	701-664-6229	701-570-3651
Production Supervisor	Kevin Nelson	701-664-6327	701-641-0090
NOR Production Maint. Superintendent	Mike Butler	701-664-6214	701-339-1831
Production Maint. Supervisor	Marlon Harry	701-334-6810	701-334-6810
Ground Disturbance. Supervisor	Charles Columbus	701-664-6401	701-339-0742
Production I & E Supervisor	Luis Sandoval	701-339-2153	701-339-2153
EHS	Emily McKinney		701-240-8563
EHS	Jeff Long	701-664-6281	701-840-3631
EHS	Sara J. Gieseke	701-664-6314	701-641-6613
EHS	Courtney Wilhelm	701-664-6400	701-334-0176

Reference the North Dakota Incident Management Plan (IMP) for an up-to-date listing of Incident Management Team (IMT) and Emergency Response Team (ERT) members.

FIGURE 3.2
Base Production South of the River (SOR) Internal Notifications

POSITION/TITLE	NAME	OFFICE	CELL
Tioga Office Complex Control Room		1-800-406-1697	
Tioga Gas Plant Control Room		701-664-6530	
AXIOM Medical Consulting		1-877-502-9466	
Hess Field Medic		701-509-5344	
SOR Operations Supt	Cody Dukart	701-764-8411	701-339-9000
Keene Production Supervisor	Ward Simonton	701-675-8127	701-421-8052
Keene Production Supervisor	Brian Horob	701-675-8127	701-570-2270
Keene I & E Supervisor	Mark Deaver	701-675-8127	701-339-1340
Killdeer Production Supervisor	Eric Lefor	701-764-8411	701-421-0707
Fryburg Production Supervisor	Curtis Fuchs	701-575-4226	701-290-8232
SOR Production Maint Superintendent	Joey Kitchens	701-664-6214	701-641-0138
Keene Production Maint. Supervisor	Robert April	701-675-8140	701-641-8736
Keene Production I & Supervisor	Mark Deaver	701-496-6031	701-339-1340
EHS	Jason Dalen	701-339-2732	701-339-2732
EHS	Andy Larsen		701-240-6877

Reference the North Dakota Incident Management Plan (IMP) for an up-to-date listing of Incident Management Team (IMT) and Emergency Response Team (ERT) members.

FIGURE 3.3
Construction Internal Notifications

POSITION/TITLE	NAME	OFFICE	CELL
Tioga Office Complex Control Room		1-800-406-1697	
Tioga Gas Plant Control Room		701-664-6530	
AXIOM Medical Consulting		1-877-502-9466	
Hess Field Medic		701-509-5344	
Construction Supt	Brandon Littlefair		701-389-8028
Project Lead	Rick Cutrer		701-389-2387
Project Lead	Marty Koopman		701-389-2519
EHS	Clint Young		713-264-2010
EHSConstruction1 @hess.com	Henry Wyatt / Ronald Ferguson		701-500-0799
EHSConstruction2 @hess.com	Jason Hinton / Rick Holland		701-389-7875

Reference the North Dakota Incident Management Plan (IMP) for an up-to-date listing of Incident Management Team (IMT) and Emergency Response Team (ERT) members.

FIGURE 3.4
Completions Internal Notifications

POSITION/TITLE	NAME	OFFICE	CELL
Tioga Office Complex Control Room		1-800-406-1697	
Tioga Gas Plant Control Room		701-664-6530	
AXIOM Medical Consulting		1-877-502-9466	
Hess Field Medic		701-509-5344	
Completions Manager	Alfred Tischler		720-648-8599
Work Over Supt.	Lance Roness		701-648-9511
Work Over Supt.	Don Parker		701-389-2194
Frac Supervisor	Marvin Romkee		701-641-0777
Frac Supervisor	Bill Sem		701-509-3195
Flowback Supt.	Nathan Neiszner		701-509-4388
EHS	Wes Frisco		701-641-2194
EHS	Rob Bates		701-421-1692
EHS Field Coord	Tony Mooney / Scott Beal		701-509-5010

Reference the North Dakota Incident Management Plan (IMP) for an up-to-date listing of Incident Management Team (IMT) and Emergency Response Team (ERT) members.

FIGURE 3.5
Drilling Operations Internal Notifications

POSITION/TITLE	NAME	OFFICE	CELL
Tioga Office Complex Control Room		1-800-406-1697	
Tioga Gas Plant Control Room		701-664-6530	
AXIOM Medical Consulting		1-877-502-9466	
Hess Field Medic		701-509-5344	
Drilling Supt.	Ricky Graham		701-509-6401
Drilling Supt.	Russell McPhail		701-340-6480
Drilling Supt.	Jim Stover		701-509-2042
Drilling Supervisor	Will Slagle		701-641-6578
EHS	Josh Blackaby		701-389-7040
EHS Field Lead – Rotator	Eddie Beckham		701-580-1718
EHS Field Lead - Rotator	Noel Lunde		701-580-1718

Reference the North Dakota Incident Management Plan (IMP) for an up-to-date listing of Incident Management Team (IMT) and Emergency Response Team (ERT) members.

3.2 EXTERNAL NOTIFICATIONS

The following external notification section outlines the requirements for contacting agencies and parties outside of Hess. Also included in this section are the phone numbers for each contact. The appropriate tables for each of the respective categories are as follows:

- Hess Agency Notification Matrix Figure 3.2
- Notifications (Federal/State/Local) Figure 3.3
- External Resources (Contractors) Figure 3.4

Those reporting a release to regulatory agencies should observe the following guidelines:

GENERAL GUIDELINES WHEN CONTACTING AGENCIES
• Do Not include information that has not been verified; • Do Not speculate as to cause of the incident or make any acknowledgment of liability; • Document persons / agencies / date / time notified and the content of the items discussed; • It is not necessary to gather all the information before making the initial notification to the regulatory agencies; • Provide as much verified information as possible; and • Provide periodic follow-up notifications to authorities on status or response actions taken, the release's location if it has changed, and (if applicable) advice on health risks.

FIGURE 3.2
AGENCY NOTIFICATION MATRIX

North Dakota: Drilling, Completions, and Operations Regulatory Required Notifications

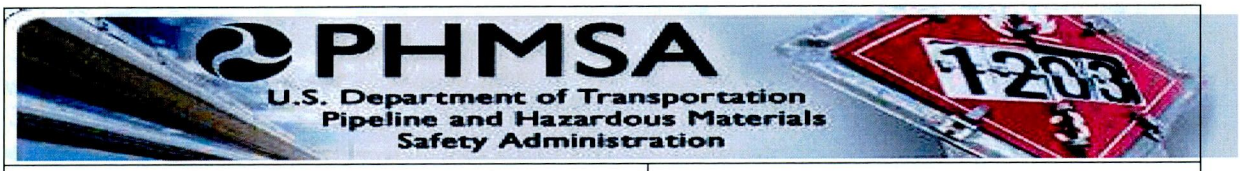
Environmental Incident Conditions Requiring Regulatory Notification	Regulatory Limits / Reportable Quantity (IES)	National Response Center (CERCLA)	Bureau of Land Management	LEPC/SERC (EPCRA)	NDDOH Department of Health	NDIC Industrial Commission	County Sheriff	ND Highway Patrol	Land Owner	AHC Contact
Upsets / Malfunctions										
(1) Venting (Non-Flare Gas Releases)	(1a) Hydrogen Sulfide From Venting Produced Gas	No	No	Yes If >100 Lbs	Yes If >100 Lbs	Yes If >100 Lbs	Notes 2 & 3	Note 4	No	*
	(1b) Hydrogen Sulfide From Venting Other Process Sources	Yes If >100 Lbs	No	Yes If >100 Lbs	Yes If >100 Lbs	Yes If >100 Lbs	Notes 2 & 3	Note 4	No	*
	(1c) Venting Produced Gas	No	Note 5	No	Note 2	Note 2	Notes 2 & 3	Note 4	No	*
	(1d) BETX (Benzene) From Venting Produced Gas	No	No	Yes If > 10 Lbs	Yes If > 10 Lbs	Yes If > 10 Lbs	Notes 2 & 3	Note 4	No	*
	(1e) BETX (Benzene) From Venting Process Sources	Yes If > 10 Lbs	No	Yes If > 10 Lbs	Yes If > 10 Lbs	Yes If > 10 Lbs	Notes 2 & 3	Note 4	No	*
(2) Emergency Flare	(2a) 60% Opacity for 6 min./hr. > 20% Opacity after 6 min.	No	No	No	Yes	No	No	No	No	*
	(2b) Sulfur Dioxide Emissions	No	No	Yes If > 500 Lbs	Yes If > 500 Lbs	Note 1	Notes 2 & 3	Note 4	No	*
Maintenance / Scheduled - Unscheduled Activities										
(1) Planned Maintenance of Pollution Control	(1a) Twenty-four (24) hours prior telephone notice	No	Yes	No	Yes	Yes	No	No	No	No
Spills / Releases										
(1) Triethylene	(1a) Any quantity on site	No	Note 5	No	**	Yes	Note 2	No	No	*
	(1b) Any quantity on site	No	Note 5	No	**	Yes	Note 2	Note 4	Note 6	*
(2) Methanol	(2a) > 5000 lbs. on site	Yes	Note 5	Yes	**	Yes	Note 2	No	No	*
	(2b) > 5000 lbs. off site	Yes	Note 5	Yes	**	Yes	Note 2	Note 4	Note 6	*
(3) Crude Oil/Petroleum	(3a) Any quantity in water	Yes	Note 5	Yes	Yes	Yes	Note 2	No	No	*
	(3b) 1 BBL or more, OR any off site	No	Note 5	No	**	Yes	Note 2	Note 4	Note 6	*
(4) Produced/Salt Water	(4a) Any quantity in water.	No	Note 5	No	Yes	Yes	Note 2	No	No	*
	(4b) 1 BBL or more, OR any off site	No	Note 5	No	**	Yes	Note 2	Note 4	Note 6	*
(5) Miscellaneous Production Chemicals	Miscellaneous production and other proprietary chemicals that are stored at sites, whether in drums or in bulk, may require Regulatory Agency notification if accidentally spilled / released. Consult each chemical's MSDS for reportable quantities of CERCLA or SARA substances, and contact the Environmental Department for assistance in determining if a Regulatory Agency should be notified.									

NOTES:
1) If flaring for an extended period of time.
2) Immediate telephonic notice of any release that may be hazardous to the public.
3) Sheriff will contact local fire department if necessary.
4) Notify if release may require control of state highway.
5) If on BLM lands (BLM is surface management agency)
   a. As soon as practical within 24 hours for > 100 bbls. Of oil, saltwater, or toxic liquid, or any combination, and venting > 500 MCF gas.
6) Notify landowner if spill/release migrates off-site
*) Notification to E & P Environmental Department Required as soon as possible after incident discovery.
**) No notification required unless spill/release has or is "likely" to impact waters (ground and surface) of the state. NDAC 33-16-02.1-11.

FEDERAL

FIGURE 3.3
EXTERNAL NOTIFICATION REFERENCES

REQUIRED NOTIFICATIONS	
NATIONAL RESPONSE CENTER	
c/o United States Coast Guard (CG-3RPF-2) 2100 2nd Street Southwest - Room 2111-B Washington, D.C. 20593-0001	800-424-8802 (24 Hrs) 202-267-2675 (24 Hrs) 202-267-1322 (Fax)
REPORTING REQUIREMENTS TYPE: All spills that impact or threaten navigable water OR for spills or releases of hazardous substances that meet or exceed their RQ. VERBAL: Immediate notification required. WRITTEN: As requested	
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)	
200 Constitution Avenue Washington, D.C. 20210	800-321-6742
REPORTING REQUIREMENTS TYPE: Fatality from a work related incident or the inpatient hospitalization of three or more employees as a result of a work related incident. VERBAL: Immediately. WRITTEN: As requested	



Department of Transportation / NRC	**800-424-8802**

The Office of Pipeline Safety ("OPS") requires an accident report for each failure in a pipeline system in which there is a release of a hazardous liquid, including oil, which results in any of the following:

(a) Explosion or fire not intentionally set by the operator.

(b) Release of 5 gallons or more of hazardous liquid, except that no report is required for a release of less than 5 barrels resulting from a pipeline maintenance activity if the release is:

(1) Not otherwise reportable under Part 195.50 (i.e. a release resulting in an explosion or fire, death of a person, personal injury necessitating hospitalization or estimated property damage in excess of $50,000);

(2) Not a release resulting in pollution of any stream, river, lake, reservoir, or other similar body of water that violated applicable water quality standards, caused a discoloration of the surface of the water or adjoining shoreline, or deposited a sludge or emulsion beneath the surface of the water or upon adjoining shorelines;

(3) Confined to company property or pipeline right-of-way; and (4) Cleaned up promptly.

(c) Death of any person.

(d) Personal injury necessitating hospitalization.

(e) Estimated property damage, including cost of clean-up and recovery, value of lost product, and damage to the property of the operator or others, or both, exceeding $50,000. See 49 C.F.R. § 195.50.

For spill incidents involving Hess ND jurisdictionally regulated (PHMSA) pipeline systems/segments reference the Hess ND Operations & Maintenance Manual for Hazardous Liquid Pipelines found at:
http://hessconnect.ihess.com/sites/unconventionals/ubuehs/DOT%20Documents/Forms/AllItems.aspx?RootFolder=%2Fsites%2Funconventionals%2Fubuehs%2FDOT%20Documents%2F11%20Documents%20and%20Data%20Control%2FSWP%2F01%20HESS%20%2D%20OM%20Books%20in%20PDF%2FHAZ%20LIQ%20PL%2FO%5FM%20Manual&InitialTabId=Ribbon%2EDocument&VisibilityContext=WSSTabPersistence

FIGURE 3.3 (Cont'd)
EXTERNAL NOTIFICATION REFERENCES

FEDERAL

FEDERAL AGENCY CONTACTS			
Agency / Entity	**Phone**	**Alternate**	**Fax**
National Response Center (USCG) c/o United States Coast Guard (CG-5335) - Stop Washington, DC 20593	800-424-8802	202-267-2675	202-267-1322
US Environmental Protection Agency EPA Region VIII Denver, CO	800-227-8914	303-312-6312	
OSHA Region VIII Area Office Bismarck, ND	701-250-4521		701-250-4520
Department of Transportation, Region VIII Bismarck, ND 58501	701-250-4324	701-250-4389	
US Forest Service Dickinson, ND	701-225-5151		
US Army Corps of Engineers Williston, ND	701-572-6494		
Bureau of Land Management Dickinson, ND	701-225-9148		

ND STATE AGENCY CONTACTS			
Agency / Entity	**Phone**	**Alternate**	**Fax**
North Dakota Division of Emergency Management Bismarck	701-328-8100		701-328-8181
ND Department of Transportation Bismarck	General Information 701-328-2500	1-855-637-6237	
ND DOT District Offices Dickinson Minot Williston	Operational Issues 701-227-6500 701-857-6925 701-774-2700	**District Addresses and Map**	
North Dakota Fish and Game Bismarck	701-328-6300		
North Dakota Industrial Commission Bismarck	701-328-8020		701-328-8022
North Dakota State Dept. of Health- Water Quality Bismarck	701-328-5210		
North Dakota Highway Patrol Bismarck	701-328-2455		701-328-1717

FIGURE 3.4
OTHER RESOURCES

HAZMAT INFORMATION RESOURCES			
COMPANY	**SERVICE**	**LOCATION**	**TELEPHONE**
CHEMTREC	Hazmat Guidance	USA	(800) 424-9300

WELL CONTROL RESOURCES			
COMPANY	**SERVICE**	**LOCATION**	**TELEPHONE**
Boots & Coots Services	Well Control	Houston, TX	(281) 931-8884 (800) 256-9688
Wild Well Control, Inc.	Well Control	Houston, TX	(281) 784-4700

OIL SPILL RESPONSE ORGANIZATIONS		
Contractor/Vendor	**Phone/Fax**	**Emergency/24hr**
Clean Harbors 2541 132nd C Ave Arnegard, ND 58835 www.cleanharbors.com	970-433-5711	Primary 800-645-8265
Baranko Bros – Environmental Services	Office: 701-483-5868 Cell: 701-495-1189	Primary 701-264-5004
EarthMovers/Strata	701-852-4560	800-373-5259
SWAT Consulting Inc – ND	269-986-5499	866-610-7928
Power Fuels / NUVERRA	701-842-3610	701-842-3618
Power Fuels	701-420-2841	701-420-2841
Power Fuels	701-577-1001	701-577-1001
Power Fuels	701-628-5151	701-628-5151
Braun Trucking	701-641-0161	701-641-0161
SASR Mutual Aid	701-456-7520	701-260-4279

FIGURE 3.4 (cont'd)
OTHER RESOURCES

EXTERNAL PRIVATE STAKEHOLDER		
Contractor/Vendor	**Phone/Fax**	**Emergency/24hr**
Energy Transfer Partners LP		1-888-844-8134 1-800-392-1965
Tesoro		1-866-283-7676
Enbridge Pipelines		1888-838-4545

Sakakawea Area Spill Response (SASR) Equipment Call Out Matrix

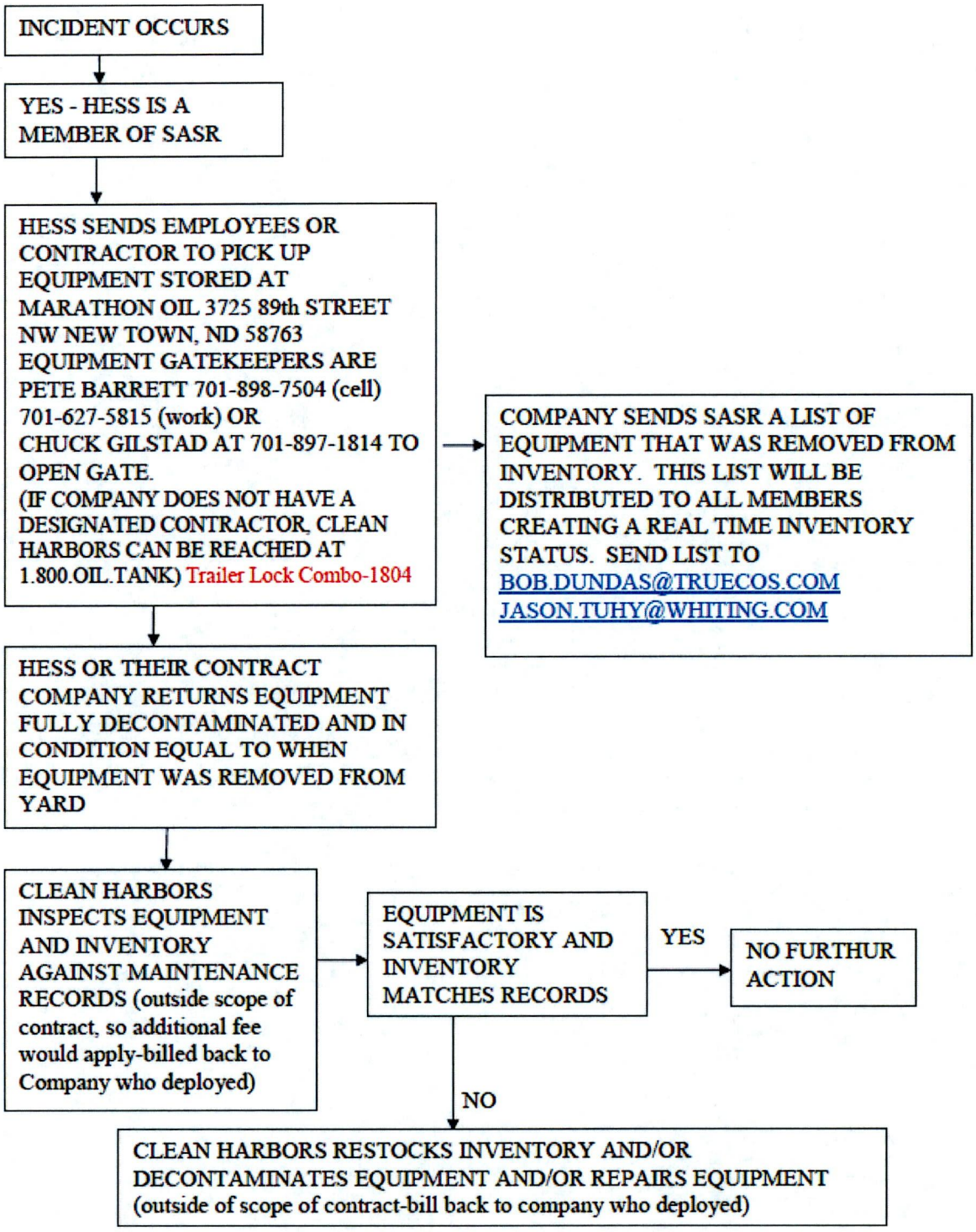


FIGURE 3.4
OTHER RESOURCES Cont'd)

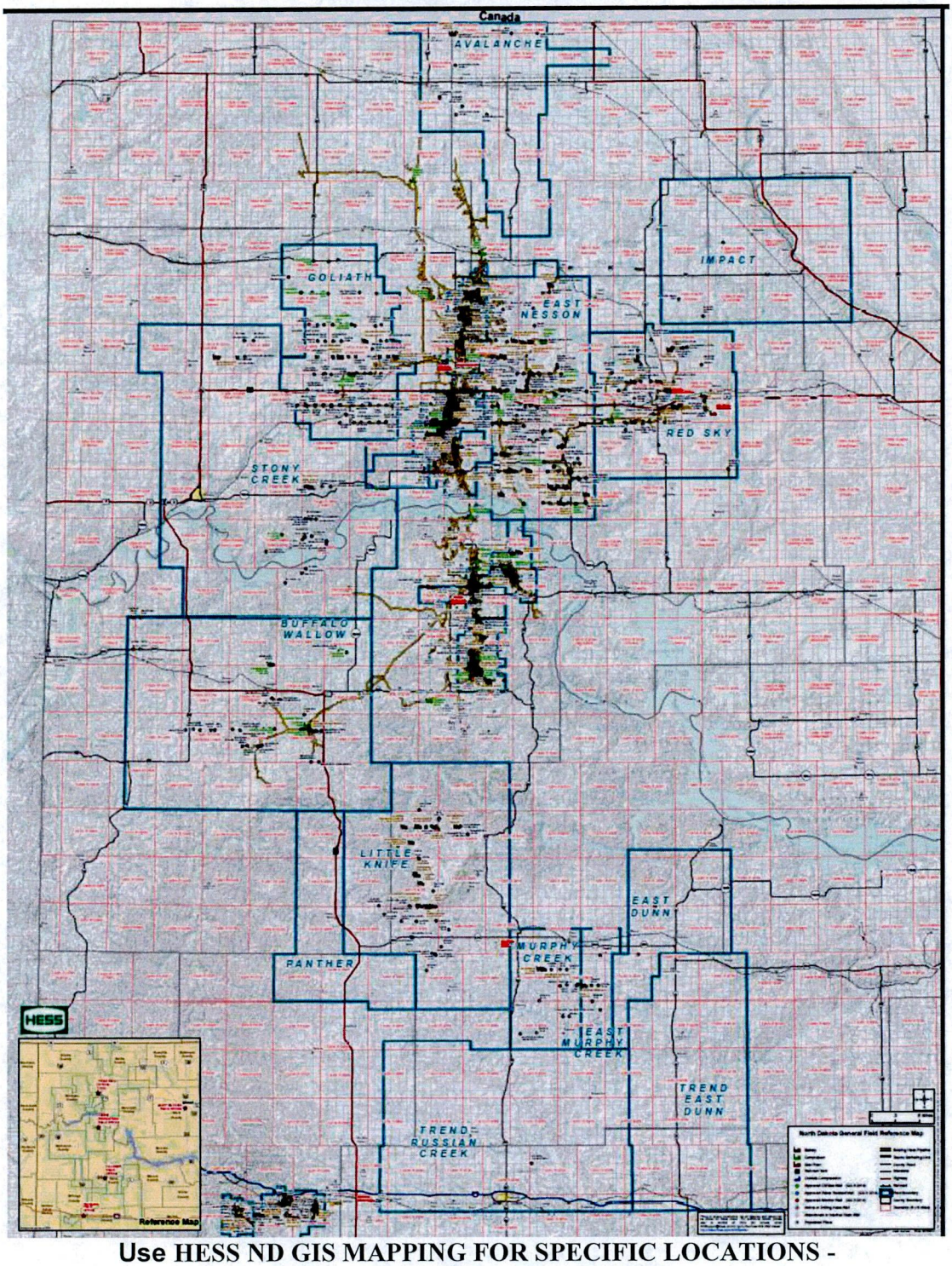
MEDICAL TRANSPORT RESOURCES			
COMPANY	SERVICE	LOCATION	TELEPHONE
911	Ambulance	North Dakota	911

Hospital/Emergency		
Entity	Phone	Fax
Crosby Clinic 112 1st Street Northwest Crosby, ND 58730	701-965-6349	
Kenmare Community Hospital 317 1st Avenue Northwest Kenmare, ND 58746	701-385-4296	
McKenzie County Hospital 516 N Main St, Watford City, ND 58854	701-774-7400	
Mercy Medical Center 1301 15th Avenue West Williston, ND 58801-3896	701-774-7400	
Mountrail Co. Medical 615 6th Street Southeast Stanley, ND 58784-4444	701-628-2424	
St. Andrews Hospital 316 Ohmer Street Bottineau, ND 58318	701-228-9300	701-228-9384
St. Joseph's Hospital 30 West Seventh Street Dickinson, ND 58601	701-456-4000	
St. Luke's Hospital) 702 1st Street South West Crosby, ND 58730	701-965-6384	
Tioga Medical Center 810 Welo Street Tioga, ND 58852	701-664-3305	701-664-2240
Trinity Community Clinic (604 1st Street North New Town, ND 58763	701-627-2990	
Trinity Medical Center 1 Burdick Expressway West Minot, ND 58701	Ask for IC or Administrator On-Call: 701-857-5000	

FIGURE 3.4
OTHER RESOURCES Cont'd)

Contractors		
Entity	**Type of Business**	**Phone**
Almers	General Pipeline Services - Construction	701-664-3429
Baranko	Blading & Excavating Services	701-290-0082
Borsheim Crane	Crane Services	701-572-6301
Braun Intertec Corp	NDE Services/Radiological Services	701-255-7180
C&J Xray	X-RAY Inspection & Stress Relieving	701-258-3881
Cascade	Tank Rental – Transportation	970-361-1447
Central Trenching Inc	Daylighting & Hydrovac	701-837-8378
Chippewa	Safety Inspection Services	701-509-7685
Clean Harbors	Spill Response / Disposal	800-645-8265
D&L Paraffin	Hot Oil Service – Production	701-664-2771
Darby's Welding	Welding	701-483-5896
Earthmovers	Spill Response	701-852-4560
Earth Systems	Environmental Remediation & Project Management	701-751-4868
KSI	Production Maint	701-664-8684
Indian Hills Electric	Electric	701-770-2275
J&L	Pit Liners	406-798-3655
MBI Energy Services	Trucking, Oil Field Support	701-575-8242
MK Weedon	Construction	406-366-3726
Rink	Roustabout Services	701-675-2458
RMR	Pit Reclaim, Fly Ash	701-570-9254
Roustabout Service	Insulation Services	701-641-3132
Stallion	Oil Field Services	307-851-0308
TechCorr	MOT Inspection Services	605-490-2427
The Response Group	Incident Management	281-880-5000
Total Safety	H2S Testing & Breathing Air Services	701-770-1955
Wood Group (PAC)	Contractor Services	701-818-0036
Wyoming Casing	Casing Services	701-225-8521

APPENDIX A - MAPS



Use HESS ND GIS MAPPING FOR SPECIFIC LOCATIONS - http://maps.ihess.com/northdakota/

and/or Bakken Maps located at:

\\minssfs001\data\TBNHD00\Bakken\Maps\FieldMaps

Emergency Response Trailers

Hess North Dakota has 3 Emergency Response Trailers and 1 Boom Trailer containing the items listed in the table below. The code for the trailer locks is 1804. The locations of the Boom and Emergency Response Trailers are as follows:

1. Tioga Office Complex 10384 68th St NW Tioga, ND 58852
2. Keene Office 10892 Hwy 23 Keene, ND 58763
3. Tioga Rail Terminal 10515 67th Street NW Tioga, ND 58852 **(Boom & ER Trailer)**
4. Keene SC-4WX Well Site - Spill Material Trailer

Emergency Spill Response Trailer(s)		
Item	**Product Description**	**QtyPer Trailer**
1	Nortech N551DC-NED 55 Gal. Drum Vacuum Unit	1
2	55 Gal Wet/Dry Vac Drum Top	1
3	115V Water Transfer Pump	2
4	115V Electric Air Compressor Ingersoll Rand IRTP1.5IU-A9	1
5	Honda Gas Generator (3-5k Watt) EB6500 w/ wheels	1
6	Manta Ray Skimmer	1
7	TDS118 - Drum Skimmer -Elastec	1
8	Floating Alpha Skimmer	1
9	Monarch Self Priming Engine Driven Pump 3.5 HP Honda	1
10	Honda WT30XK3A - 319 GPM (3") Heavy Duty Trash Pump	1
11	Pump: E-1 Double Diaphragm 1" pneumatic pump	1
12	OTS 2" GR Grey Iron Submersible Pump	1
13	Pump Hoses 2 of 3" and 2 of 4" (Suction)	4
14	Gas Pressure Washer w/wheels (3000 PSI)	1
15	Drum Dolley (Bottom Fitting)	1
16	Steel Drum Dolly (Standing)	1
17	Extension Cords (50' x 12 gauge)	6
18	Flood Lights - Try-Pod w/ Stand (3 lights)	1
19	Work Lights	2
20	14 Gallon Portable Gas Pump	1
21	Chest Waders - plain toe -one each size 10, 11, 12	3
22	Traffic Cones 28" with reflective collars	6
23	Hi-Visibility Traffic Vest - FR - Adjustable to 5X	5
24	Life Floatation Vest, Type V Dipped, Mustang	4
25	Barricade Tape, Red "Danger Hazardous Area 1,000'	2
26	Barricade Tape, Yellow "Danger Do Not Enter" 1,000'	2
27	Flashlights, Super Sabrelite Laser Spot Xenon/Yellow	5
28	Radio, 2 Way, hand held MD200TPR	4
29	Roll/Sheet of Poly (4 mil)	1

Emergency Spill Response Trailer(s) Continued		
Item	Product Description	QtyPer Trailer
30	Roll of 3 mil Trash Bags	1
31	Bales (40') of 5" Sorbent Boom = 200 Feet	5
32	Bags of loose Absorbents (Oil Gator)	4
33	Pad Absorbents - Bag	4
34	Tyvek Suits - 1 Case	1
35	Nitrile Inner Gloves, box	1
36	Chicken Boots	20
37	Chemical Gloves - Outers	6
38	Rain Suits - Case	1
39	Spade Shovels	2
40	Flat Shovels	2
41	Pitch Fork	2
42	Rake	2
43	Squeegees	2
44	Push Brooms	2
45	Gasoline Siphon kit (hose/hand pump)	1
46	Duct Tape	3
47	Dead Blow 2 lbs. Hammer	1
48	Wood Slats/Stakes - bundle	1
49	Plywood Board 2'X2' (Culvert Cover)	1
50	Plywood Board 3'X3' (Culvert Cover)	1
51	Sand Bags	25
52	Small Pool - Decon	1
53	Trailer Hitch with 2 5/16th inch ball & Hitch Pin	1
54	Portable Radios & Batteries	4

TRT Boom Trailer (This Equipment Should Not Leave the Tioga Rail Terminal)		
Item	Product Description	QtyPer Trailer
1	1800' of 18" Containment Boom	1
2	Manta Ray Skimmer	1
3	Trailer Hitch w 2-5/16th Inch Ball	1
4	Chest Waders - plain toe -one each size 10, 11, 12	3
5	Life Floatation Vest, Type V Dipped, Mustang	4
6	Hi-Visibility Traffic Vest - FR - Adjustable to 5X	5