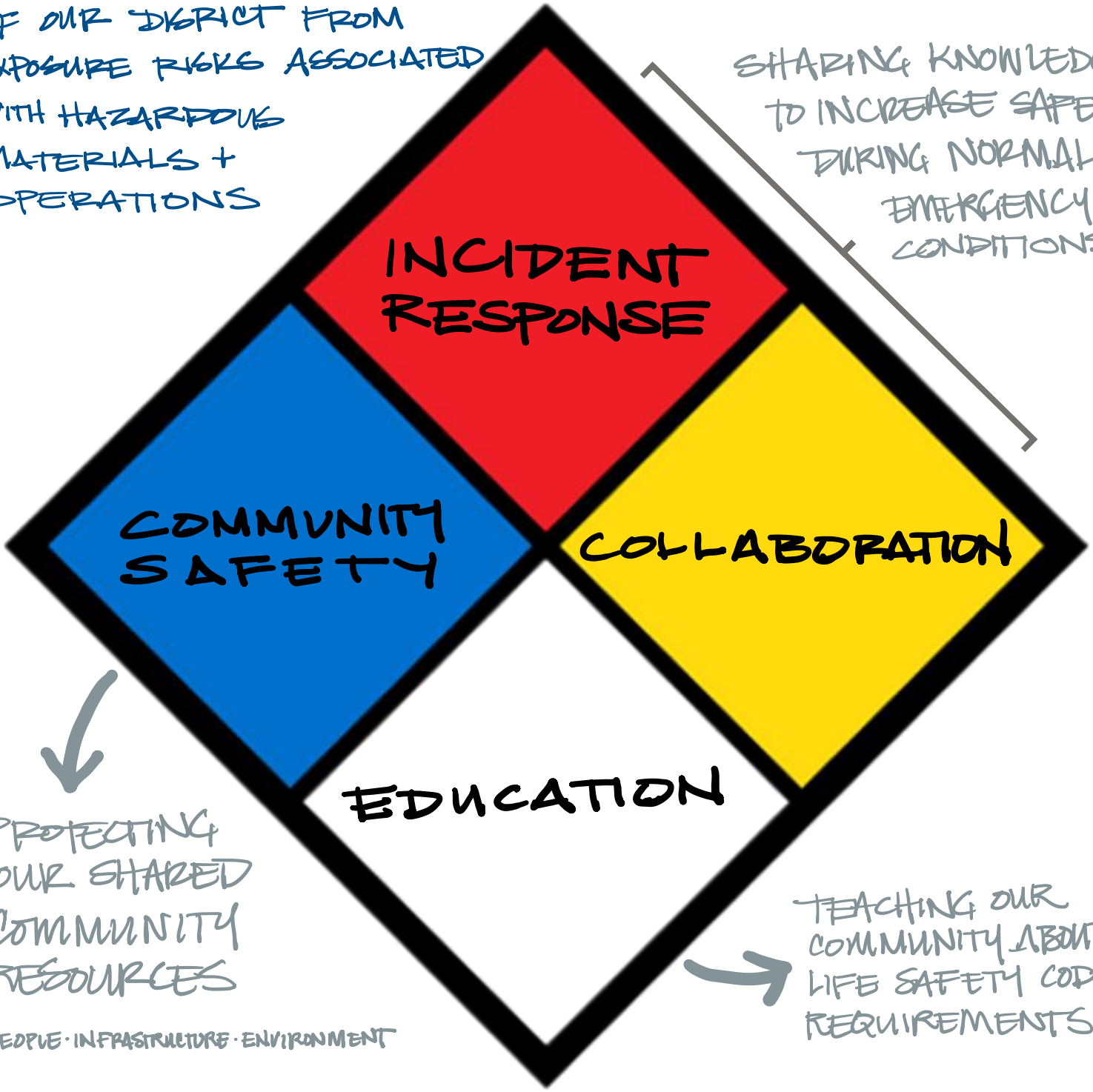
Hazardous Materials and Operations Permit Program
100 N 7th Street, Windsor, Colorado 80550
970.686.2626 x 303
inspections@wsfr.us

GOAL

TO PROTECT THE SAFETY OF OUR DISTRICT FROM EXPOSURE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS + OPERATIONS



SHARING KNOWLEDGE TO INCREASE SAFETY DURING NORMAL + EMERGENCY CONDITIONS

PROTECTING OUR SHARED COMMUNITY RESOURCES

PEOPLE · INFRASTRUCTURE · ENVIRONMENT

TEACHING OUR COMMUNITY ABOUT LIFE SAFETY CODE REQUIREMENTS

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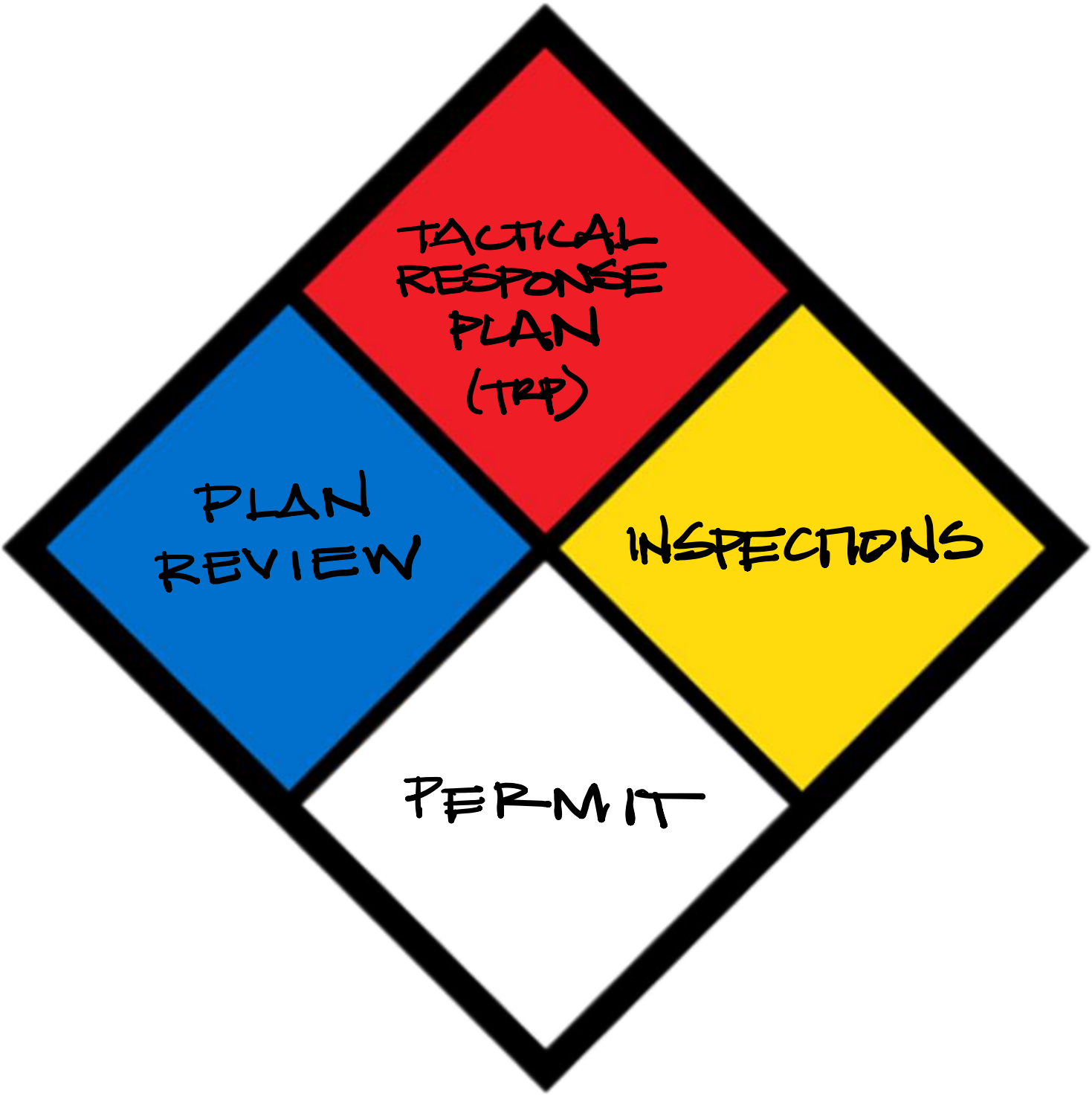
COMPONENTS



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PERMITTING PROCESS

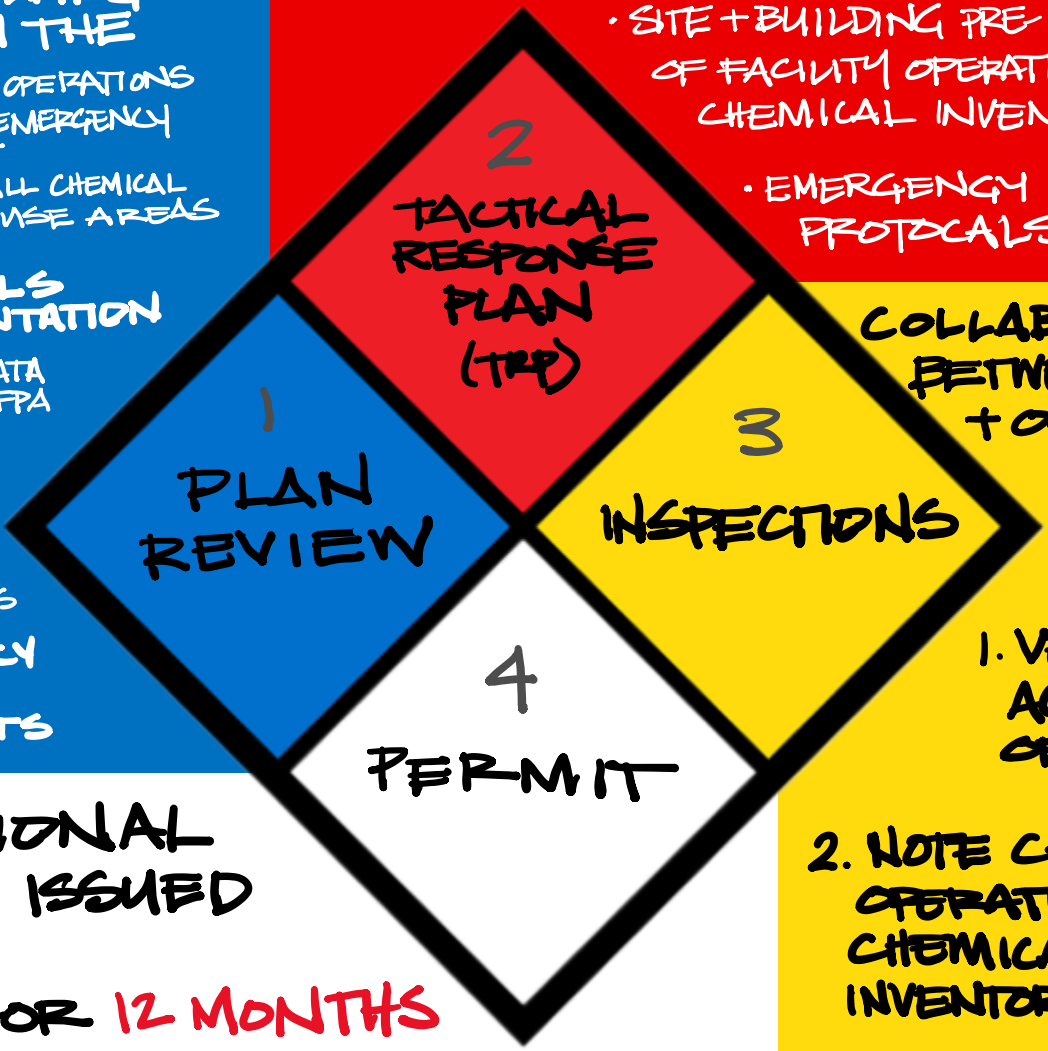
SUBMIT TO WSFR

1. SCOPE OF OPERATIONS
2. SITE + BUILDING PLANS WITH THE
   - LOCATION OF OPERATIONS
   - LOCATION OF EMERGENCY EQUIPMENT
   - LOCATION OF ALL CHEMICAL STORAGE + USE AREAS
3. MATERIALS DOCUMENTATION
   - ALL SAFETY DATA SHEETS WITH NFPA 704 RATING
   - CHEMICAL QUANTITY IN STORAGE, USE- OPEN + USE- CLOSED SYSTEMS
4. EMERGENCY PLANNING DOCUMENTS

WSFR DEVELOPS TRP FOR SITE

TACTICAL RESPONSE PLAN INCLUDES:

- SITE + BUILDING PRE-PLAN MAPS OF FACILITY OPERATIONS + CHEMICAL INVENTORY
- EMERGENCY RESPONSE PROTOCALS + INFO



COLLABORATION BETWEEN WSFR + OPERATOR

1. VERIFY ACCURACY OF TRP
2. NOTE CHANGES TO OPERATIONS + CHEMICAL INVENTORY
3. ADDRESS ANY LIFE SAFETY ISSUES PRESENT

OPERATIONAL PERMIT ISSUED

VALID FOR 12 MONTHS

- AS LONG AS NO SIGNIFICANT CHANGES TO OPERATIONS OR CHEMICAL INVENTORY OCCUR.

(WSFR WILL MAKE THIS DETERMINATION AFTER REVIEW)

COMPANY LOGO

COMPANY NAME
Street Address
City, State Zip
Latitude, Longitude

Facility operations: brief description of operations

NOTIFICATIONS

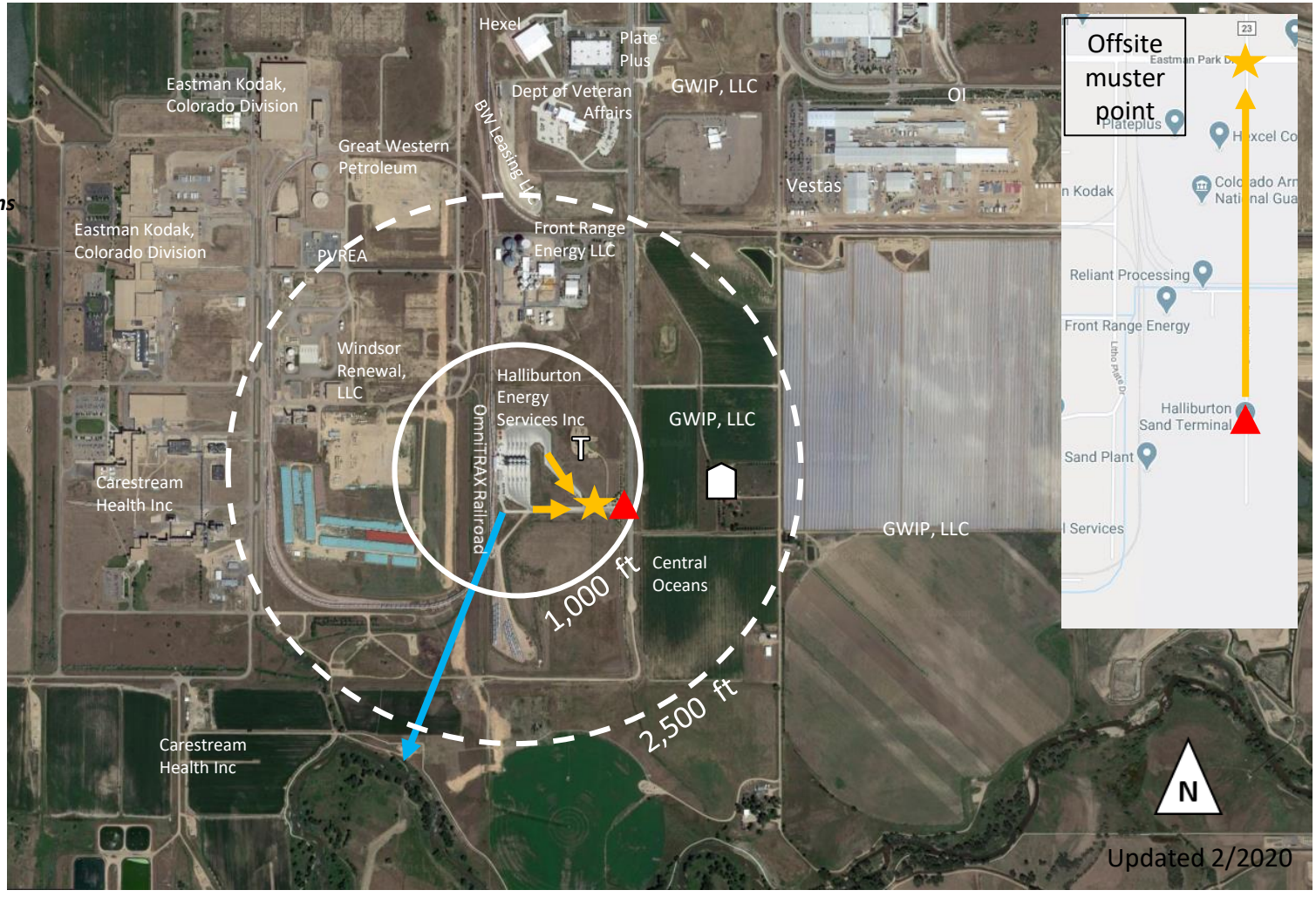
Company Name
24/7: phone number
Name-Job Title: phone number
Name-Job Title: phone number
(Your Name) County Dispatch
911/Non-Emergency: phone number
(Your Name) COUNTY OEM
general 24/7 phone number
Name-Your County LEPC
Office phone/cell phone
Emergency Response Contractor-Response Type
24/7: phone number
Utility Name-natural gas: 24/7 phone
Utility Name-electric: 24/7 phone
Utility Name-water: 24/7 phone

PERSONNEL STATS

Is this facility manned?
Hours of Operation: part day, 24/7, etc.
Shifts: shift schedule
Maximum occupants: maximum number of staff and contractors, location(s) of on-site occupant roster
Number of Employees per shift:
Mon-Fri: X , off-hours and weekends: X

CRITICAL RECEPTORS

Tenant-Company Name-*Description of facility operations*
24/7: phone number
Name-Director Safety/QC
Office phone/cell phone
Nearest Water Source: 2,788' SW
Closest residence: 1,788' to E
Street Address, City, STATE zipcode, phone
Critical infrastructure (e.g. rail, hwy, schools): direction from facility: 24/7 phone



KEY

- **Entrance location(s)**
- **Muster point**
- **Evacuation route**
- **Tenant operations**
- **Wind sock**
- **Storm water discharge to Your River**
- **1,000 ft setback**
- **2,500 ft setback**
- **Closest residence**

WSFR RESPONSE GUIDELINES

1. **Arrival and scene size up- determine if additional resources are needed immediately based on known incident and site hazards.**

2. **Enter site and make contact with security or site management personnel.**

3. **Make contact with site rep and unify IC.**

4. **CONFIRM WITH SITE REP:**
   - Are all personnel evacuated and accounted for?
   - Is medical response or rescue required?
   - *Other important questions that need immediate action upon arrival*

5. **Develop in IAP with site rep.**

6. **Identify and deploy needed resources.**

7. **Site staff will escort responders to central meeting point or incident location.**

SITE RESPONSE OBJECTIVES

(Prior to Fire Department arrival)

SAFETY – PROTECT LIFE

- Ensure the safety of all personnel involved in a spill, response, fire or medical incident.
- Reliant Processing staff (tenant operations) will be notified via radio or phone if an incident occurs.

RESPONSE & INCIDENT STABILIZATION

- Evaluate the spill area and attend to all injured persons: *if capable*
- Eliminate potential ignition sources
- Determine the immediate need for assistance from emergency response agencies (local fire, EMS and HAZMAT teams, state emergency response and environmental response contractors)
- Contact needed response teams
- Contact the VP immediately and notify about incident
- Declare central meeting point(s)
  -Plant Control Room
  -Admin Bldg Conference Room

ENVIRONMENTAL

- Identify, prioritize and protect sensitive areas.
- Implement recovery efforts of solids.
- Verify if water has been impacted
- Notify appropriate agencies

MEDIA COMMUNICATIONS

- President and VP are PIOs

FACILITY INFORMATION

(Industry Identification numbers found on Tier 2 or RCRA forms)
TTB #:
NAICS:
RMP:
SIC:

On-site water supply? Y/N, Volume (location on site)
X gpm fire pump, X hydrants, X water canons and X deluge systems
On-site foam supply? Y/N, volume and location
Nearest Foam Resources:
1. WSFR, 24/7 phone number
2. Greeley Fire, 24/7 phone number
3. Loveland Fire Rescue Authority, 24/7 phone number
4. Front Range Fire, 24/7 phone number

Specialized fire fighting instructions:
-(Does site have fire protection systems like hydrant mounted master streams?)
-(Are there any water reactive materials on site?)
-(Any other special fire fighting directions from SDS for on-site chemicals).

Non-HAZMAT facility hazards:
Physical: roof access via exterior staircases and ladders, dust/static hazard in storage/materials transfer areas and vehicle traffic (semi and railroad)

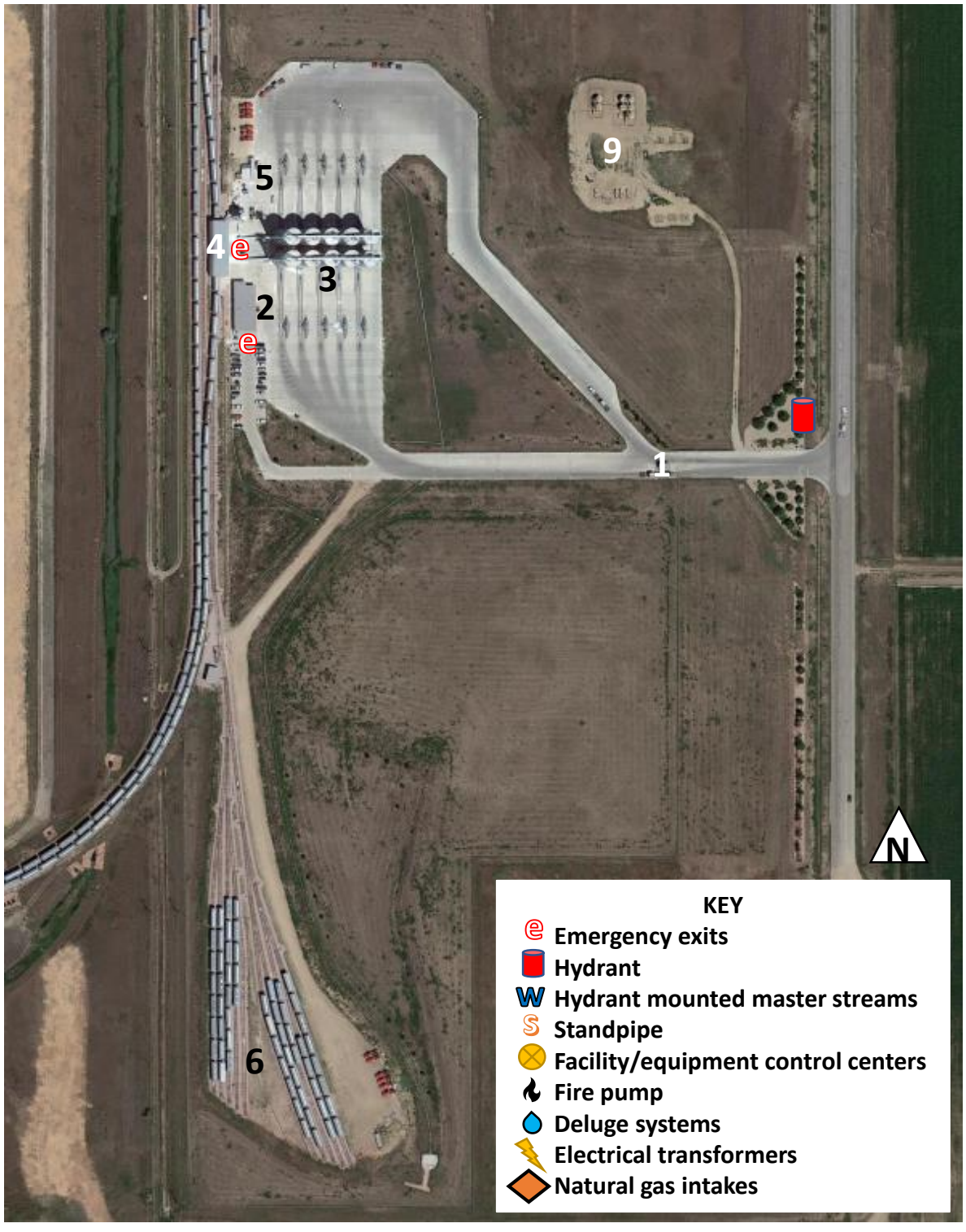
Mechanical: materials receiving and handling equipment, all sold products processing and loadout equipment throughout facility

Electrical: transformers (# pads mounted XX kV, # pad mounted XX kV and XX kV) and mechanical control center panels.

Chemical: Outdoor natural gas intakes-gas house regulator (XX psi), maintenance chemical storage and fuel storage/dispensing for industrial trucks.

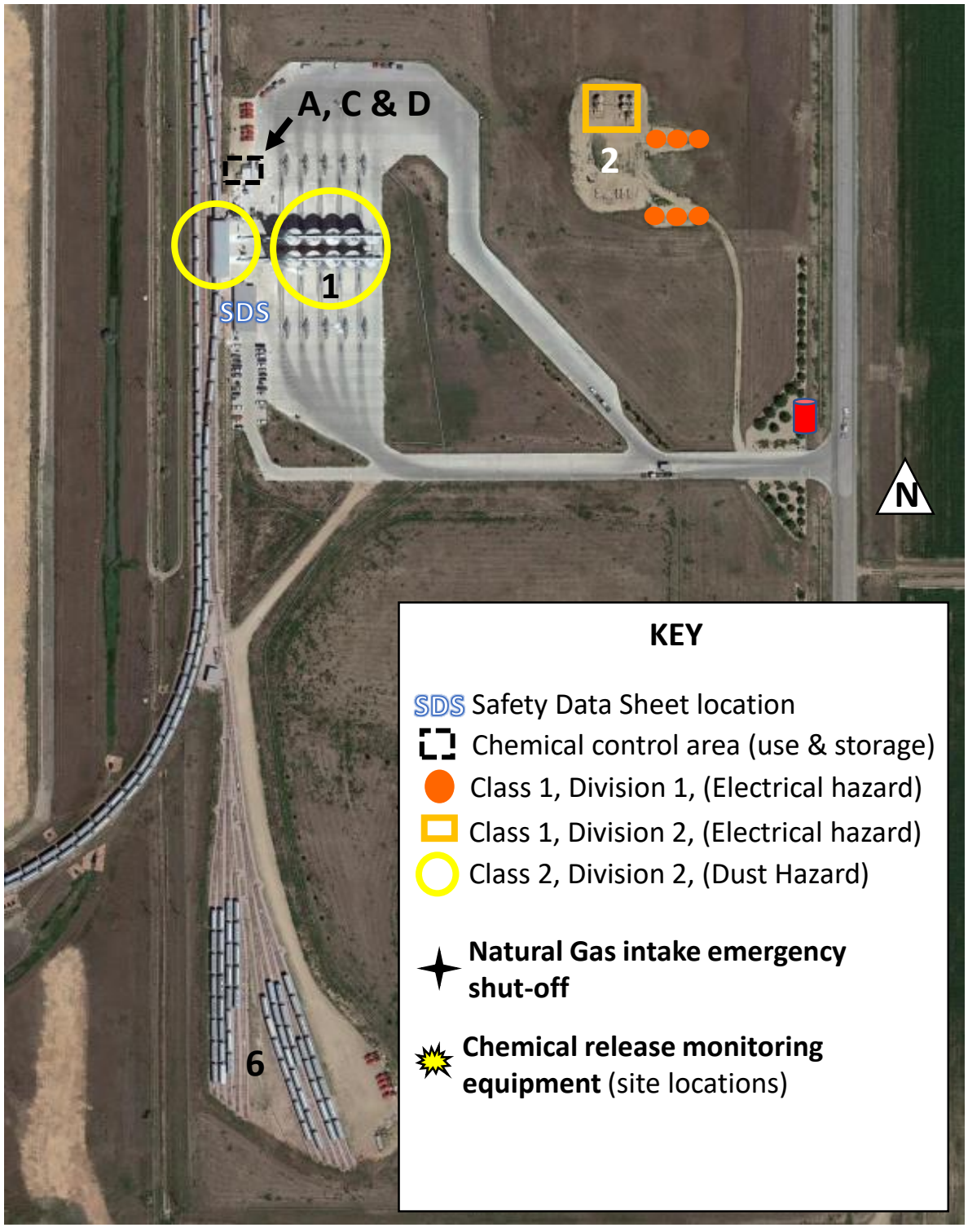
Environmental: ambient temperatures and weather.

Facility Operations Map



1. **Guard shack** (personnel roster)
2. **Administrative offices**
3. **Materials storage and truck loading area** 40 million lbs, sand
4. **Materials offloading via railcar** XX lbs/day, sand
5. **Research Lab**
6. **Railcar staging area**
7. **Electrical power supply intake to site**
8. **Natural gas supply intake to site**
9. **Tenant operations** crude oil and natural gas production site, 6 well heads, X gallons/X barrels of crude oil, X gallons/X barrels of produced water

Facility Chemical Storage Map



Large Quantity

1. Frac sand: 40 million lbs (5 million lbs per silo)
2. Crude oil and natural gas production site:
XX gallons/XX barrels of crude oil, X gallons/X barrels of produced water.

Small Quantity

Chemicals mostly stored in X Building and on-site fuel tanks.

A. Chemical A: volume
B. Gasoline and Diesel fuel for industrial trucks: volume
C. Chemical C: volume
D. Chemical D: volume

COMPANY LOGO

COMPANY NAME
Street Address
City, State Zip
Latitude, Longitude

LARGE QUANTITY CHEMICALS

SDS FORM LOCATION(S):

Chemical Map ID	UN/ DOT #	Product Name	Components	Concentration	Physical State	Hazard Class	NFPA 704	Stored volume (max)	Use Volume Use-closed (UC) Use-open (UO)	Container size(s)	Physical and Health Hazards	Special Fire Fighting Instructions
1	N/A	**Frac Sand**	-Crystalline silica, quartz	60-100%	solid			40 million lbs	Use-closed	5 million lbs silo	Reactive with strong acids, bases and oxidizers.	Don't use straight stream on large fires
2	1267	**Crude Oil**	-Petroleum -Benzene	60-100% 1-5%	liquid	-Flammable Class-IA		X gal	Use-closed	X gal tank	Reactive with oxidizers and ignition sources.	Vapors heavier than air.
3	X	**Natural Gas**	-Chem x -Chem y	X % X %	gas	-Flammable gas		X cubic feet	Use-closed	X cubic feet tank	Do not expose to ignition sources.	
4	X	**Produced Water**	-Chem x -Chem y	X % X %	liquid	-Flammable liquid		X gal	Use-closed	X gal tank	Reactive with strong acids, alkalis and oxidizers.	Water fog, NO jet/stream

COMPANY LOGO

COMPANY NAME
Street Address
City, State Zip
Latitude, Longitude

SMALL QUANTITY CHEMICALS

SDS FORM LOCATION(S):

Chemical Map ID	UN/ DOT #	Product Name	Components	Concentration	Physical State	Hazard Class	NFPA 704	Stored volume (max)	Use Volume Use-closed (UC) Use-open (UO)	Container size(s)	Physical and Health Hazards	Special Fire Fighting Instructions
A	**X**	**Chem A**		100%	liquid	-Water reactive		10 gal	Use-open	5 gal bucket	Water reactive	Don't use straight stream on large fires
B	**1203**	**Gasoline**	-Chem x -Chem y -Chem z	95% 5%	liquid	-Flammable liquid Class-IA		X gal	Use-closed	X gal tank	Reactive with oxidizers, separate from ignition sources.	Use fog or mist and foam
B	**1202**	**Diesel**	-Chem x -Chem y	95% 5%	liquid	-Combustible liquid-Class II		X gal	Use-closed	X gal tank	Reactive with oxidizers, separate from ignition sources.	Use fog or mist and foam
C	**X**	**Chemical B**	-Chem x	100%	solid	-Flammable liquid- Class IA		X lbs	Use-open	X lbs tote	Reactive with acids.	
D	**X**	**Chemical B**	-Chem x	90%	liquid	-Oxidizer -Corrosive		50 gal	Use-closed	50 gal tank	Reactive with bases, metals, reducing agents and combustible materials.	

SDS/MSDS forms
(for previously listed chemicals)

All updated, SDS/MSDS forms shall be kept on-site at facility