

H2S - 65

**H2S
CONTINGENCY
PLAN**

2019

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary Designate

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Deputy Secretary

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Oil Conservation Division



APRIL 24, 2019

Suresh Raja
Enercon Services, Inc.
15770 North Dallas Parkway, Suite 400
Dallas, Texas 75248

RE: Salt Creek Midstream, LLC, Ameredev South Gas Processing Plant and AGI Wells (H2S-065): H2S Contingency Plan (November 30, 2018) UL: L Section 21, Township 26 South, Range 36 East in Lea County, New Mexico. Leavenworth AGI #1, 32.0242°N -103.2334°W, and Folsom AGI #1, 32.0590°N -103.3066°W

Dear Mr. Raja:

The Oil Conservation Division (OCD) is in receipt of Salt Creek Midstream, LLC's "Ameredev South Gas Processing Plant and AGI Wells Facility" H2S Contingency Plan.

OCD has completed its review of the H2S Contingency Plan and finds that it appears to meet the intent of the OCD Hydrogen Sulfide Gas Regulations (19.15.11 NMAC). Therefore, OCD hereby accepts the plan for record.

Please be advised that OCD approval of this plan does not relieve Salt Creek Midstream, LLC of responsibility should its operations fail to adequately detect, investigate, and/or undertake corrective actions to prevent or stop a hydrogen sulfide release(s) that may pose a threat to groundwater, surface water, human health, public safety or the environment. In addition, OCD approval does not relieve Salt Creek Midstream, LLC of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions, please contact Carl Chavez of my staff at (505) 476-3490, mail at the address below, or email at CarlJ.Chavez@state.nm.us. Thank you.

Sincerely,

Jim Griswold
Environmental Bureau Chief

JG/cjc

cc: OCD Hobbs District Office

Chavez, Carl J, EMNRD

From: Suresh Iyer <siyer@enercon.com>
Sent: Wednesday, April 24, 2019 2:00 PM
To: Chavez, Carl J, EMNRD
Subject: [EXT] Re: Finalized H2S Plan - Salt Creek Midstream LLC: H2S-65
Attachments: RevisedPages_H2S Contingency Plan - Ameredev South 4-23-19_ReducedFileSize.pdf;
H2S Contingency Plan - Ameredev South 4-23-19_ReducedFileSize.pdf

Please attached revised pages and the full plan.

On Apr 24, 2019, at 9:47 AM, Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us> wrote:

Suresh:

Seems like Fig. 4 would be a good figure to place sign locations to the OCD. The roadways intersected by the H2S 100 ppm ROE.

From: Chavez, Carl J, EMNRD
Sent: Tuesday, April 23, 2019 5:12 PM
To: 'Suresh Iyer' <siyer@enercon.com>
Subject: RE: Finalized H2S Plan - Salt Creek Midstream LLC: H2S-65

Suresh, hi. I have a concern about the signage and footnote indicating only signs placed basically where exhibited on Map 7b. Is this correct? No other signs will be placed along roads intersecting the H2S 100 ppm ROE?

Thank you.

From: Suresh Iyer <siyer@enercon.com>
Sent: Friday, April 19, 2019 10:25 AM
To: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>
Subject: [EXT] Finalized H2S Plan - Salt Creek Midstream LLC: H2S-65

Carl,

Please see attached. The brochure is just a draft at this point and is being reviewed internally. Please do not share the brochure as of yet

Thanks,

-Suresh

Suresh Raja Iyer, Ph.D.
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15770 North Dallas Parkway, Suite 400

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H₂S CONTINGENCY PLAN



FACILITY INFORMATION

Ameredev South Gas Processing Plant and AGI Wells

PROJECT INFORMATION

ENERCON Project Number: SCM00019

H₂S Contingency Plan Effective Date: XX/XX/2019

CLIENT INFORMATION

Salt Creek Midstream, LLC
 20329 St Hwy 249, Ste 450
 Houston, TX 77070
 Attention: Mr. Mike Liebelt
 Director of Operations SCM
 Phone: (437) 247-3204
 Email: Mike.Liebelt@armenergy.com

PREPARED BY



Enercon Services, Inc.
 15770 North Dallas Parkway, Suite 400
 Dallas, TX 75248
 Phone: (972) 484-3854
 Fax: (972) 484 8835
 Attention: Suresh Raja Iyer
siyer@enercon.com

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1. INTRODUCTION

1.1 LOCATION

The locations of the 4 processes covered within this plan are as follows and are depicted in Figure 1 below.

1.1.1 Gas Processing Plant Location

Salt Creek Midstream, LLC (SCM) has constructed a new gas processing plant in southeastern New Mexico. The Ameredev South Gas Processing Plant (Ameredev South Plant) is located on land owned by SCM. Driving Directions from Bennett, New Mexico to the Plant:

Head south towards NM-205 N. Turn right at the 1st cross street on NM-205 S/Frying Pan Rd. Continue to follow Frying Pan Rd for 4.6 miles. Turn right onto Beckham Rd. In 0.6 miles, turn right. In 0.9 miles, turn right. The facility is on the left in 0.5 miles.

Coordinates for the Ameredev South Plant:

Latitude: 32.0256°N
Longitude: -103.2766°W

1.1.2 Acid Gas Injection (AGI) Well Location

In addition to the Ameredev South Gas Processing Plant, SCM will also operate acid gas injection wells (Leavenworth AGI #1), located in Section 23, T26S, R36E approximately 6.5 miles Southwest of Jal in Lea County, New Mexico, and (Folsom AGI #1), located in Section 7, T26S, R36E approximately 7.5 miles Southwest of Jal in Lea County, New Mexico. The Leavenworth AGI #1 Well is located 2.5 miles to the east of the Plant (See Figure 1). The Folsom AGI #1 Well is located 2.75 miles to the northwest of the Plant (See Figure 1). The Leavenworth AGI #1 Well is located on land leased from the State of New Mexico by SCM. The Folsom AGI #1 Well is located on land leased from the Bureau of Land Management (BLM).

Coordinates for Leavenworth AGI #1 Well Surface Location are:

Latitude: 32.0242°N
Longitude: -103.2334°W

Coordinates for Folsom AGI #1 Well Surface Location are:

Latitude: 32.0590°N
Longitude: -103.3066°W

1.1.3 Treated Acid Gas (TAG) Line Location

The treated acid gas (TAG) lines from the Ameredev South Gas Processing Plant to the Folsom AGI #1 and/or Leavenworth AGI #1 well are covered under this Contingency Plan.

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The TAG lines to the South well span 2.75 miles and the TAG lines to the North well span approximately 4 miles and are both depicted in Figure 1. The AGI Well Facilities and the TAG lines are located on land owned by a mix of entities and leased by SCM. A list of these entities are as follows: The State of New Mexico, Beckham Ranch Inc., BLM, and EOG Resources Inc.

1.1.4 Gathering Lines Location

The gathering lines from the production wells to the Ameredev South Gas Processing Plant are covered under this Contingency Plan because they are operated by SCM. The gathering lines layout is depicted in Figure 1 and the details of the gathering line segment lengths are provided in Table 1. The Plant is located on land owned by a mix of entities and leased by SCM. A list of these entities are as follows: The State of New Mexico, BLM, EOG Resources Inc., and Beckham Ranch Inc.

Segment Name	Location	ASTM Material of Construction	Depth (feet)	Pipeline Diameter (inches)	Length (miles)
Nandina and Golden Bell Lateral	Ameredev Phase IV	API 5L, FBE coated	4	16"	1.97
Lateral B	Ameredev Phase III	API 5L PSL-2, FBE Coated	4	16"	1.02
Lateral B	Ameredev Phase V	API 5L PSL-2, FBE coated	4	16"	1.69
Lateral E	Ameredev Phase II	API 5L PSL-2, FBE coated	4	16"	0.66
Central Lateral	Ameredev Phase V	API 5L PSL-2, FBE coated	4	12.75"	3.34
South Lateral	Ameredev South Lateral	API 5L, FBE coated	4	16"	0.96
Azalea Lateral	Ameredev Azalea	API 5L, FBE coated	4	8.625"	0.31

Table 1: Gathering line details in the Ameredev System.

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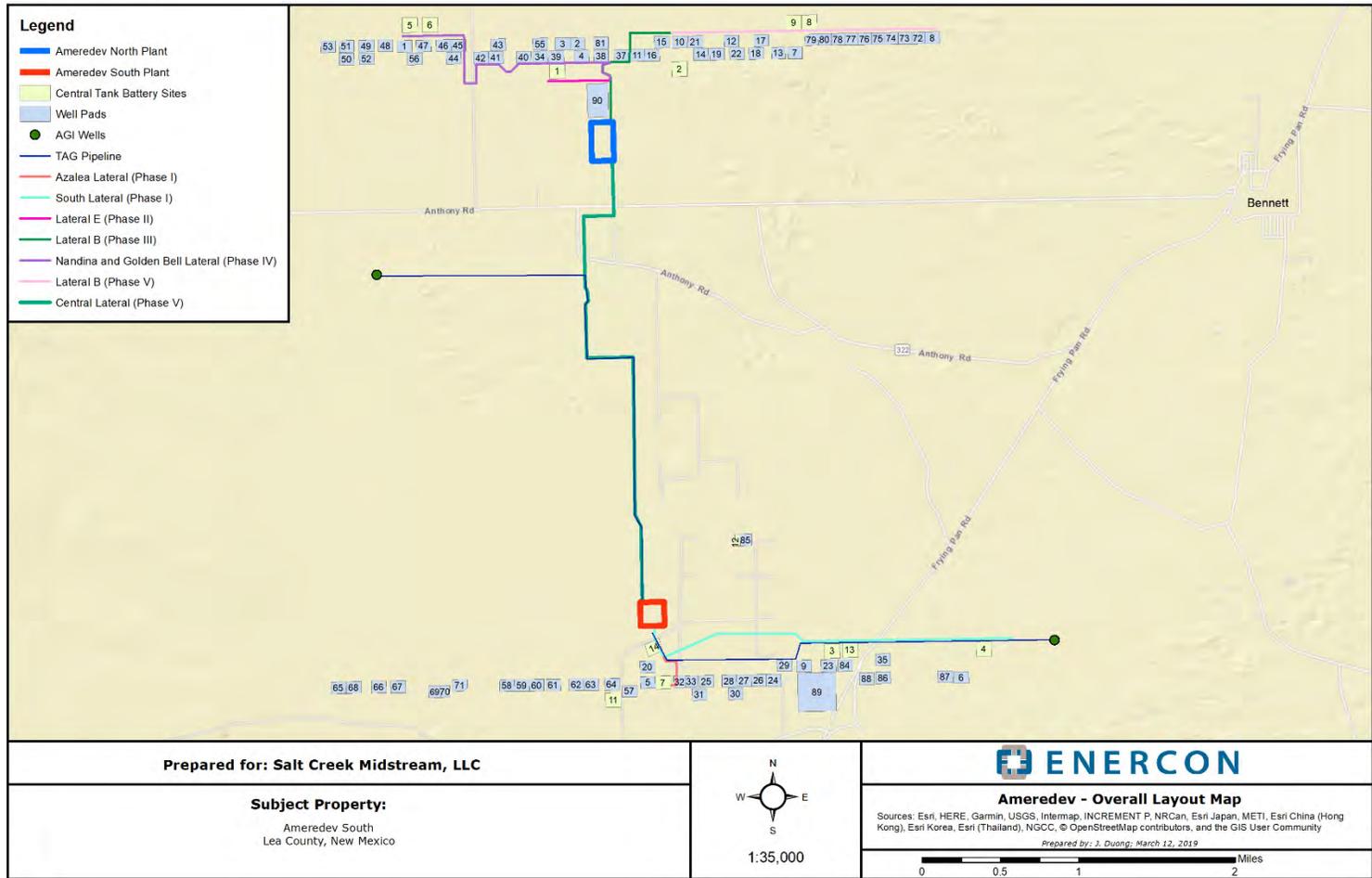


Figure 1: Ameredev Overall Layout Map

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1.2 DESCRIPTION OF OPERATIONS

[API RP-55 7.4 c.]

The Plant and AGI Wells are expected to be in operation 24-hours-a-day, 7-days-a week. Operators with remote monitoring capabilities will be stationed at the SCM Pecos Gas Processing Facility Control Room 24-hours-a-day, 7-days-a week. They are manned for normal operations approximately eight (8) hours-per-day, plus any additional maintenance. However, field operators and operations managers are on-call 24-hours-per-day, 7-days-per-week to respond to an emergency immediately and fit for duty. The Plant operations include gas compression, treating and dehydration. The Plant gathers and processes produced natural gas from well sites located in Lea and Eddy Counties in New Mexico shown in Figure 1 and named in Appendix M. The southern group of production wells in Figure 1 feed into Ameredev South Plant, while the northern group of wells feed into Ameredev North Plant. The production wells are not owned by SCM and are not covered in this Plan. The inlet gathering lines and pipelines that bring gas into the Plant are owned by SCM. Once gathered at the Plant, the produced natural gas is compressed, processed by amine units at the site and then dehydrated to remove the water content. The processed (sweet) natural gas is pipelined for further cryogenic processing at the Pecos Gas Processing Plant (Pecos Plant) in Texas.

Facilities covered by this plan will consist of four processes: sour gas gathering lines from the production wells to the Ameredev South Plant, the Ameredev South Gas Processing Plant, the treated acid gas (TAG) pipelines from the Plant to the AGI Well(s) and the Acid Gas Injection (AGI) well(s). The South AGI well is located 2.75 miles East of the Plant; and the North AGI well is located approximately 4 miles North of the Plant, all process locations are depicted in Figure 1.

The gathering lines sour gas composition is nominally 2 mol% H₂S and 10 mol% CO₂. The maximum rate of Sour Gas entering the Ameredev South Plant will be 200 million standard cubic feet per day (MMscfd) at pressures ranging between 100 and 200 psig. The sour gas compression from the gathering lines (at a pressure of about 100-200 psig) to a pressure of 1,250 psig will occur inside the Plant. The Acid Gases H₂S and CO₂ will be removed from the compressed sour gas in an amine treating unit and then sent to an Acid Gas Compressor. The Acid Gas Compressor at the Plant is an electric drive three-stage reciprocating compressor. The maximum discharge pressure from will be approximately 350 psig, with a normal operating pressure of approximately 300 psig. The compressed Acid Gas will be dehydrated in a glycol dehydration unit. The Acid Gas leaving the Plant will be considered to be Treated Acid Gas

The Treated Acid Gas (TAG) lines from the Plant to the Acid Gas Injection (AGI) well composition is nominally 20 mol% H₂S. The maximum rate of acid gas exiting the Plant will be 24 million standard cubic feet per day (MMscfd) at a pressure in the range 500 to 550 psig. The TAG from the South Gas Plant will be combined with TAG from a separate North Gas Plant with a maximum rate of approximately 36 MMscfd, for a total flow rate of 60 MMscfd. The North Gas Plant has not yet been constructed and will be covered by a separate contingency plan. The AGI well compressor is an electric drive three-stage reciprocating compressor. The maximum compressor discharge pressure will be 5000 psig. The well will be drilled after the permit is approved. The compressor near the AGI well head is designed to raise the pressure from a maximum pressure of 550 psig (expected in the TAG line) to pressures ranging between 3000 and 5000 psig for injection into the AGI wells. The

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pipeline from the compressor discharge to the well is designed to be no more than a few hundred feet. The Leavenworth AGI #1 Well proposed injection zone includes both the Devonian and Fusselman formations with potentially the top ~50 feet of the Montoya also in the open hole section. Leavenworth AGI #1 will be drilled as a vertical well to a total depth of 18,600 feet and completed as an open hole interval. The Folsom AGI Well #1 injection zone will be in the Delaware Mountain Group in the Bell Canyon and Cherry Canyon formations, from approximately 5,200’-6,700’. Folsom AGI #1 will be drilled as a vertical well to a total depth of 6,700’ feet and completed as a perforated cased hole interval. Geological studies conducted demonstrate the proposed injection zones are able to receive the proposed acid gas injection volumes within the NMOCD’s recommended injection pressures. See Appendix K for AGI Well design schematics.

1.3 PURPOSE

The purpose of this H₂S Contingency Plan is to provide a systematic process for protecting the public, through awareness, alerting and response. The Plan has been prepared to take into account engineering and administrative controls to minimize the hazards resulting from an H₂S release. The plan may be activated prior to an intentional release (e.g. purging before certain maintenance tasks), or following the accidental release of a potentially hazardous volume of H₂S.

A confirmed H₂S release that is above the plan activation concentrations, will involve response from Ameredev South personnel; and depending upon the nature and severity of the release, may also involve a response from local Fire Departments, Law Enforcement, Emergency Medical Services, SCM support personnel, and BLM. County agencies, and State agencies will be notified and may also respond. In any emergency event involving a H₂S release, delegation of duties may be made to appropriate employees and groups according to the Incident Command System (ICS) structure. Cooperation will expedite all decisions.

1.4 SCOPE

This Plan is specific to the Ameredev South Gas Processing Plant and the associated gathering lines, the TAG lines, and the AGI Well(s) for the Ameredev South Plant. It considers the severity and extent of the anticipated atmospheric concentrations and the dispersion characteristics of H₂S. It contains procedures to provide an organized immediate response to a release of H₂S from the Plant, the gathering lines, or the AGI Well(s). The procedures include the process to alert and protect any entities or residents within the radius of exposure¹ (ROE), operating personnel, and/or contractors and visitors working in or around the Plant.

1.5 RESPONSIBILITY FOR CONFORMANCE WITH THE H₂S PLAN

This plan complies with **New Mexico Oil Conservation Division (OCD) Rule 11(§ 19.15.11 NMAC)** and **OSHA requirements in 29 CFR Part 1910.120 and 29 CFR Part 1910.38, respectively, for contingency response plans and relevant emergency procedures.** The plan and operation of the SCM Ameredev South Plant adopt the standards set forth in *API RP-55 "Recommended Practice for Oil and Gas Producing and Gas Processing Plant Operations Involving Hydrogen Sulfide;"* and where

¹ Radius of Exposure (ROE) and Area of Exposure (AOE) are defined in NMAC 19.15.11.7 and are used interchangeably in regulation and in this plan.

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relevant the standards set forth in API RP 49 “Recommended Practice for Drilling and Well Servicing Operations Involving Hydrogen Sulfide” and API RP 68 “ Oil and Gas Well Servicing and Workover Operations involving Hydrogen Sulfide”, and applicable NACE standards for containment of sour gas corrosion.

The Plant and AGI well(s) do not have any storage tanks in which H₂S or other gas or gas products are stored, and thus, API recommended practices, and OCD regulations (specifically NMAC 19.15.11.12.E) relative to those types of storage are not applicable for this plant. Drilling and completion of the Plant AGI Well(s) was done in compliance with NMAC 19.15.11.11 and API RP-49.

The terms used in this Plan are used as defined in NMAC 19.15.11.7, or API RP-55 Section 3, unless otherwise defined herein.

1.6 PLAN SUBMISSION

[NMAC 19.15.11.9.D & 19.15.11.9.E]

SCM has submitted this H₂S Contingency Plan, for the new AGI Well(s) and Ameredev South Gas Processing Plant, to the OCD for review and approval prior to commencing operations. The Plan has been submitted in electronic format via electronic mail, through an Internet filing, or by delivering electronic media to the division, so long as the electronic submission is compatible with the division’s systems.

A failure to submit a H₂S Contingency Plan when required may result in denial of an application of permit to drill, cancellation of an allowable for the subject well or other enforcement action appropriate to the well, facility or operation.

1.7 REVISIONS AND UPDATES TO THE PLAN

[NMAC 19.15.9.F] [API RP-55 7.9]

The H₂S Plan will be reviewed annually and revised at that time, as necessary, to address changes to the Plant facilities, operations, or training requirements, contact information and the public areas including roads, businesses, or residents potentially affected by the operations of the Plant and AGI Wells, specifically those areas within the radii-of-exposure. The list of Emergency Telephone Contacts, included in Appendix A will be verified and updated annually by SCM to be sure any changes of occupancy, ownership or new commercial and/or residential buildings are reflected. Additionally, the plan will be reviewed any time a subject addressed in the plan is materially changed. This includes, but is not limited to, the Plan fails an emergency, the list of emergency equipment changes, or the facility changes in design, construction, operation, maintenance, or other circumstances in a way that materially increases the potential for fires, explosions, or releases of hazardous waste, or changes the response necessary in an emergency. Amendments will be made as needed.

The plan shall be kept updated to insure its current applicability.

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1.8 RETENTION AND AVAILABILITY OF THE PLAN

[NMAC 19.15.9.G] [API RP-55 7.3]

SCM shall maintain a copy of the contingency plan at the Ameredev South Plant, at the SCM Pecos operations control room and the SCM office in Midland, Texas. The plan will be readily accessible at the facility in the event of a release or for review upon request. The plan will be available for inspection at the SCM Pecos operations control room, at the Ameredev South Plant, and a copy in a 3-ring binder will be kept in each manager's truck. The remote Pecos operations control room operator is the role responsible for activation of the plan. The H₂S Plan shall be available to all personnel responsible for implementation, regardless of their normal location assignment. See Appendix B for the H₂S Plan Distribution List, which lists all the additional entities that will be provided a copy of the H₂S Plan.

As stated above, this Plan will be maintained on file at all times during the life of the Plant. All records and documentation required by this Plan will be maintained for 5 years from the date the record was created, or for the life of the Plant.

1.9 INVENTORY

[NMAC 19.15.11.9.H]

On an annual basis, SCM will file with the appropriate Local Emergency Planning Committee (LEPC) and State Emergency Response Commission (SERC), as listed in Appendix A, an inventory of wells, facilities and operations for which H₂S Contingency Plans are on file with the OCD. The inventory shall include the name, address, and telephone number of a point of contact.

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2. DESIGN CONSIDERATIONS

2.1 GAS CHARACTERISTICS

[API RP-55 7.4.a.b]

2.1.1 Hydrogen Sulfide (H₂S)

The current inlet gas streams from the production well to the gas processing plant pipeline contains a maximum of approximately 20,000 ppm (or 2 mole percent) of H₂S based on data generated from sampling the production well gas stream. The current inlet gas streams into the Plant contain approximately 20,000 ppm (or 2 mole percent) of H₂S based on data generated from the sampling of the combined inlet gas stream. The current inlet to the AGI pipeline, and injection well are estimated to be 200,000 ppm (or 20 mole percent) H₂S based on plant equipment design simulations. H₂S is a colorless, toxic and flammable gas; it is noxious at low concentrations and has the odor of rotten eggs. It is heavier than air and presents a significant health hazard by paralyzing the respiratory system resulting in serious injury or death. H₂S is also known by names, such as: Sour Gas, Poison Gas, Rotten Egg Gas, Acid Gas, Sewer Gas, Sulfur Gas. Hydrogen Sulfide is almost as toxic as Hydrogen Cyanide and is between five-six times more toxic than Carbon Monoxide. The properties and characteristics of H₂S are covered in Table 2 below:

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Hydrogen Sulfide Properties and Characteristics		
CAS No.	7783-06-4	
Molecular Formula	H ₂ S	
Molecular Weight	34.082 g/mol	
Ceiling Concentration	20 ppm (OSHA)	
Ceiling Peak	50 ppm (OSHA)	
Threshold Limit Value	15 ppm (ACGIH)	
Time Weighted Average	10 ppm (NIOSH)	
Short Term Exposure	15 ppm (ACGIH)	
Immediately Dangerous to	100 ppm	
Specific Gravity Relative to	1.189	
Boiling Point	-76° F	
Freezing Point	-121.8° F	
Vapor Pressure	396 psia	
Auto-ignition Temperature	518F	
Lower Flammability Limit	4.3%	
Upper Flammability Limit	46.0%	
Stability	Stable	
pH in water	3	
Corrosivity	Reacts with metals, plastics, tissues and nerves	
Physical Effects of Hydrogen Sulfide		
Concentration		Physical Effects/Exposure Limits
Ppm	%	
1	0.00010	Can be smelled (rotten egg odor)
10	0.0010	Obvious & unpleasant odor; Permissible exposure level; safe for 8-hour exposure
20	0.0020	Acceptable ceiling concentration for an 8-hour exposure
50	0.0050	Loss of sense of smell in 15 minutes
100	0.0100	Immediately dangerous to life and health (IDLH); loss of sense of smell in 3-15 minutes; stinging in eyes & throat; Altered breathing
200	0.0200	Kills smell rapidly; stinging in eyes & throat
250	0.0250	Hazardous limit concentration that may cause death within an hour
500	0.0500	Dizziness; breathing ceases in a few minutes; unconscious after short exposure; Need prompt
600	0.0600	Lethal concentration that will cause death with short-term exposure
700	0.0700	Unconscious quickly; death will result if not rescued
1000	0.1000	Instant unconsciousness; followed by death within minutes

Table 2: Hydrogen Sulfide Properties and Characteristics

2.1.2 Sulfur Dioxide (SO₂)

SO₂ is produced as a by-product of H₂S combustion. The waste gas stream consisting of H₂S and CO₂ is routed to the plant acid gas flare during abnormal conditions when the acid gas injection

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equipment is out of service. Waste gas is routed to the acid gas flare at the AGI Well sites during maintenance operations when equipment needs to be blown down. It is colorless, transparent, and is non-flammable, with a pungent odor associated with burning sulfur. SO₂ is heavier than air but can be picked up by a breeze and carried downwind at elevated temperatures. It can be extremely irritating to the eyes and mucous membranes of the upper respiratory tract. The properties and characteristics of SO₂ are covered in Table 3 below:

Sulfur Dioxide Properties & Characteristics	
CAS No.	7446-09-5
Molecular	SO₂
Molecular	64.07 g/mol
Permissible	5 ppm(OSHA)
Time Weighted	2 ppm(ACGIH)
Short Term	5 ppm(ACGIH)
Immediately	100 ppm
Specific Gravity	2.26
Boiling Point	14° F
Freezing Point	-103.9° F
Vapor Pressure	49.1 psia
Auto-ignition	N/A
Lower	N/A
Upper	N/A
Stability	Stable
Corrosivity	Could form an acid rain in aqueous solutions
Physical Effects of Sulfur Dioxide	
Concentration	Effect/Exposure Limit
1 ppm	Pungent odor, may cause respiratory changes
2 ppm	Permissible exposure limit; Safe for an 8-hour exposure
3-5 ppm	Pungent odor; normally a person can detect SO₂ in this range
5 ppm	Short Term Exposure Limit (STEL); Safe for 15 minutes of exposure
12 ppm	Throat irritation, coughing, chest constriction, eyes tear and burn
100 ppm	Immediately Dangerous to Life & Health (IDLH)
150 ppm	So irritating that it can only be endured for a few minutes
500 ppm	Causes a sense of suffocation, even with first breath
1,000 ppm	Death may result unless rescued promptly.

Table 3: Sulfur Dioxide Properties and Characteristics

2.1.3 Carbon Dioxide (CO₂)

The inlet gas stream from the production well to the gas processing pipeline contains approximately 10 mole % CO₂, or approximately 100,000 ppm. The projected inlet gas streams to the Plant contain approximately 10% CO₂. The inlet to the AG pipeline and injection well is projected to contain approximately 78-80 mole percent of CO₂. CO₂ is a colorless, odorless and non-flammable. It is heavier than air. The properties and characteristics of CO₂ are covered in Table 4 below:

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Carbon Dioxide Properties & Characteristics	
CAS No.	124-38-9
Molecular Formula	CO ₂
Molecular Weight	44.010 g/mol
Time Weighted Average (TWA)	5,000 ppm
Short Term Exposure Level (STEL)	30,000 ppm
Immediately Dangerous to Life and Health	40,000 ppm
Specific Gravity Relative to Air (Air = 1.0)	1.5197
Boiling Point	-109.12°F
Freezing Point	-69.81°F
Vapor Pressure	830 psia
Auto-ignition Temperature	N/A
Lower Flammability Limit	N/A
Upper Flammability Limit	N/A
Stability	Stable
pH in Saturated Solution	3.7
Corrosivity	Dry gas is relatively inert & not corrosive; can be corrosive to mild steels in aqueous solutions
Physical Effects of Carbon Dioxide	
Concentration	Effect
1.0 %	Breathing rate increases slightly
2.0 %	Breathing rate increases to 50% above normal level. Prolonged exposure can cause headache, tiredness
3.0 %	Breathing rate increases to twice normal rate and becomes labored. Weak narcotic effect. Impaired hearing, headache, increased blood pressure and pulse rate
4 – 5 %	Breathing increases to approximately four times normal rate, symptoms of intoxication become evident, and slight choking may be felt
5 – 10 %	Characteristic sharp odor noticeable. Very labored breathing, headache, visual impairment, and ringing in the ears. Judgment may be impaired, followed within minutes by loss of consciousness
10 – 100 %	Unconsciousness occurs more rapidly above 10% level. Prolonged exposure to high concentrations may eventually result in death from asphyxiation

Table 4: Carbon Dioxide Properties and Characteristics

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2.2 RADII OF EXPOSURE (ROE)

2.2.1 Worst Case Scenario [NMAC 19.15.11.8.C.2]

See Appendix C for actual ROE calculations. The basis for worst case scenario calculations is as follows:

There are a total of five potential volume sources at Ameredev South Facilities. This includes (1) a release of the treated acid gas flow within the Ameredev South Plant, AGI Wells, or TAG pipeline, (2) a failure of the flare located at the Ameredev South Plant and (3), (4), and (5) a release of the gas flow into the site from the gathering lines. The details of the five volume sources are listed in Table 5 below. Acid gas flow rates for each of the three sources are on a 24-hour basis flowing through each source.

Volume Source Name	Acid Gas Flow Rate (Mscfd)	Acid Gas H₂S Conc. (mol%)	H₂S (ppm)
Ameredev South Plant, AGI Well, or TAG Pipeline	24,000	20	200,000
Ameredev South Flare (flameout)	66,000	20	200,000
Gathering Lines (18" Pipe Diameter)	200,000	2	20,000
Gathering Lines (12" Pipe Diameter)	112,500	2	20,000
Gathering Lines (8" Pipe Diameter)	50,000	2	20,000

Table 5: Five Worst Case Scenarios

The worst-case ROE for this plan was calculated using the maximum incoming gas flowrate (into the plant) and TAG flow rates (outgoing to the AGI Well via the TAG pipeline) shown above and highest H₂S concentration anticipated in each of the three volume sources. The worst-case scenario ROE assumes an uncontrolled instantaneous release of a 24-hour volume of gas at the Plant. Because the Plant is a throughput process plant, it is impossible that the entire 24-hour throughput volume of the Plant could be released instantaneously as is assumed in the worst-case scenario calculations of the ROE.

The Plant's ESD systems would be activated in the event of a catastrophic emergency and would prevent the flow of gas into the Plant. This would isolate any of the volume sources listed in Table 5 including the AGI compressors and equipment at the Plant and route the existing acid gas safely to the acid gas flare located at the Plant. In such a situation, the acid gas may be vented to the atmosphere from any section of the gathering line, TAG line, the gas plant or the AGI Well.

For the gathering lines, the impact radius (for 500 ppm and 100 ppm H₂S Concentration) are calculated using the volume flowing in each section of the gathering line that vary by pipeline

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diameter, as noted in Table 5. Similarly, the release of H₂S from the treated acid gas pipeline from the Plant to AGI Well Facility and the AGI well are included as a volume source of H₂S using a maximum flowrate of 24,000 MSCFD as shown in Table 5.

The ROE calculations also consider the dual failure scenario of acid gas routed to the flare in combination with a flare failure (flameout). The “flameout” scenario would only occur when acid gas routed to the flare during emergency scenarios (i.e., malfunctioning of the AGI well or other related AGI Well blockage) combined with an unexpected flameout situation. This unlikely event could result in the acid gas being vented out of the flare without being combusted. Therefore, the flare is being treated as a potential volume source with a flowrate of 66,000 MSCFD and 20 mole percent.

For all operations subject to this section, the radius of exposure (ROE) shall be determined, except in the cases of storage tanks, by the following Pasquill-Gifford equations:

100 ppm ROE Calculation [NMAC 19.15.11.7.K.1]:

$$X=[(1.589)(\text{mol fraction H}_2\text{S})(Q)]^{(0.6258)}$$

500 ppm ROE Calculation [NMAC 19.15.11.7.K.2]:

$$X=[(0.4546)(\text{mol fraction H}_2\text{S})(Q)]^{(0.6258)}$$

Where:

X = radius of exposure in feet “mol fraction H₂S” = the mole fraction of hydrogen sulfide in the gaseous mixture available for escape

Q = maximum volume determined to be available for escape expressed in cubic feet per day (corrected for standard conditions of 14.65 psi absolute and 60 degrees Fahrenheit)

2.2.2 ROE for Ameredev South Plant Worst-Case Scenario [NMAC 19.15.11.8.C.2]

The worst-case scenario ROE calculations (assuming an instantaneous release of the 24-hour processing and/or TAG pipeline volume) are shown in the Table 6 below. The ROE for the Ameredev South Plant, incoming gas from gathering lines, AGI Well and TAG pipeline from the Plant to the AGI Well are shown in Figure 2. This ROE pattern is designed to include the 100 ppm and 500 ppm radii for a potential worst-case failure at any point in the system.

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Volume Source Name	Acid Gas Flow Rate (Mscfd)	Acid Gas H₂S Conc. (mol%)	100 ppm Radius (feet)	500 ppm Radius (feet)	100 ppm Radius (miles)	500 ppm Radius (miles)
Ameredev South Plant, AGI Well, or TAG Pipeline	24,000	20	20,276	9,265	3.840	1.755
Ameredev South Flare	62,650	20	36,962	16,890	7.000	3.199
Gathering Lines (18" Pipe Diameter)	200,000	2	18,090	8,266	3.426	1.566
Gathering Lines (12" Pipe Diameter)	112,500	2	12,620	5,767	2.390	1.092
Gathering Lines (8" Pipe Diameter)	50,000	2	7,597	3,472	1.439	0.658

Table 6: Worse Case Scenario Calculated ROE

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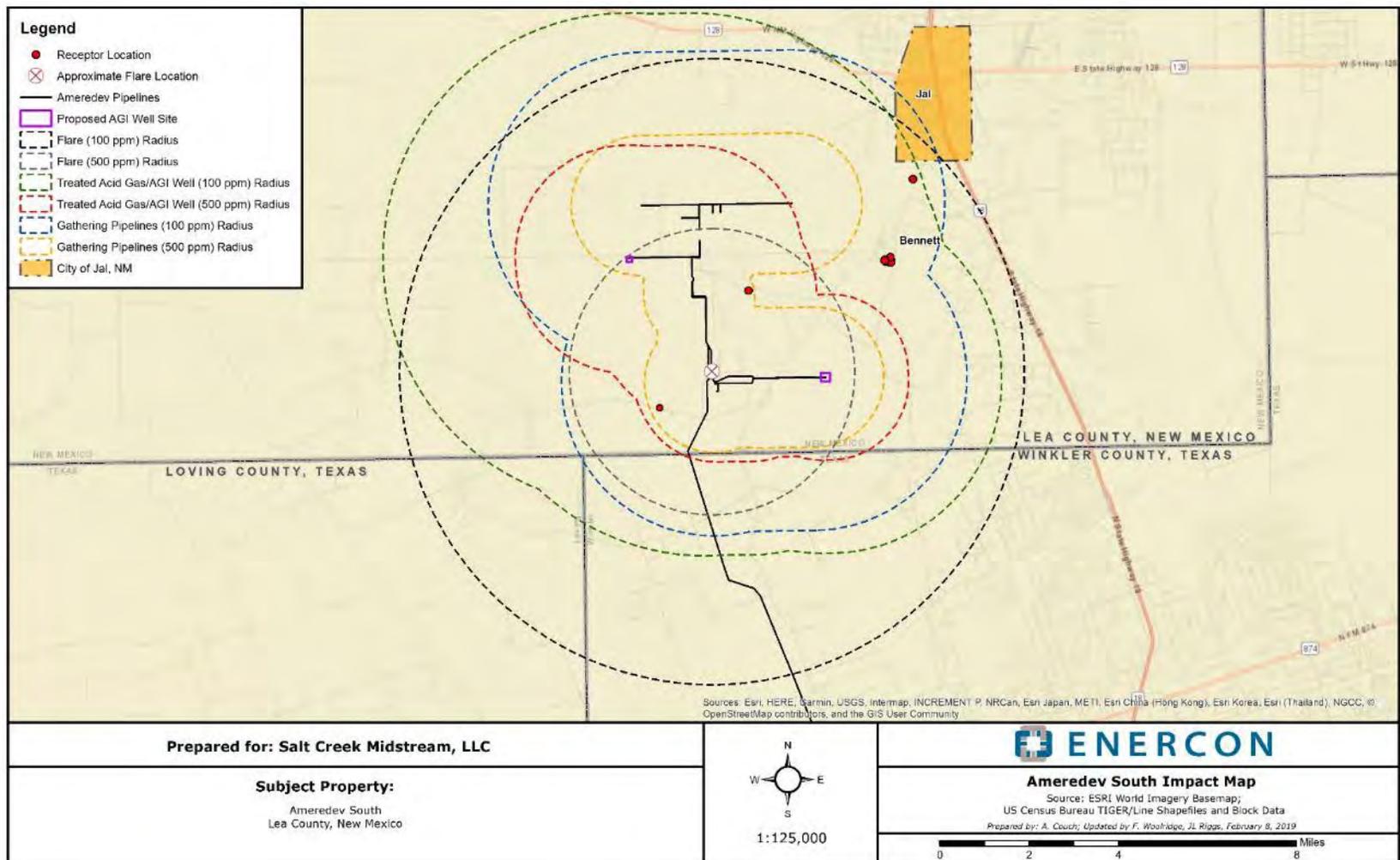


Figure 2: Impact maps at the Ameredev South Facility.

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2.3 MATERIALS SELECTION

[NMAC 19.15.11.14] [API RP-55 8.1.4 & 13.4]

All new construction or modification of the Ameredev South systems included in this plan, metal components will be selected and manufactured so as to be resistant to hydrogen sulfide stress cracking under the operating conditions for which their use is intended. The Ameredev South facility supervisors will ensure the use of NACE Standard MR0175 and API RP-14E (latest editions) for selection of metallic equipment or, if applicable, use adequate protection by chemical inhibition or other methods that control or limit hydrogen sulfide's corrosive effects. The handlings and installation of materials and equipment used in hydrogen sulfide service are to be performed in such a manner so as not to induce susceptibility to sulfide stress cracking. Other materials which are non-susceptible to sulfide stress cracking, such as fiberglass and plastic, may be used in H₂S provided such materials have been manufactured and inspected in a manner which will satisfy the latest published applicable industry standard, specifications, or recommended practices listed above.

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3. EMERGENCY ACTION PROCEDURES

3.1 ROLES AND RESPONSIBILITIES

[NMAC 19.15.11.9.B(2)(a)] [API RP-55 7.5]

It is the responsibility of all personnel on-site to follow the safety and emergency procedures outlined in this H₂S Contingency Plan as well as the following documents:

- SCM Ameredev South Emergency Response Plan (ERP);
- SCM Environmental Policies and Programs;
- SCM Health and Safety Policies and Programs;
- SCM HSE Management System Plan;
- SCM HSE Policy; and
- Ameredev South ESD Procedures.

The Plant uses the Incident Command System (ICS) for emergency response. The SCM and Ameredev South Incident Command Structure Diagram can be found in Appendix D. The ICS structure used is based on the National Incident Management System (NIMS) and is consistent with the National Contingency Plan (NCP). All Plant employees shall be prepared to respond to an H₂S emergency at SCM treated acid gas (TAG) line, gathering lines, the Plant, and AGI Well. Refer to Section 6.1.1 for training requirements of Ameredev South personnel.

3.1.1 Incident Commander (IC)

In the event of an accidental release that results in the activation of the H₂S Plan, the Operations Manager, or designee, will be the on-scene Incident Commander (IC). The IC will ensure the initial plan activation actions are taken appropriate to the response level and oversee the emergency response; he/she will define incident goals and operational objectives, and delegate duties to employees, as needed. The IC will contact and coordinate with SCM's management, the control room, and local emergency responders.

The IC, shall ensure the following items are met, as needed:

- Emergency Shutdowns / Isolation of pipeline segments
- Notification of emergency responders
- Making recommendations on road blocks, shelter in place, and evacuations
- Implementing notification of appropriate governing agencies at Level 1 or 2 plan activation
- Repairs, tests or restarts
- Upgrading the Level activation²
- Initiating SCM internal reporting

² The IC, based on communications with the responding operator(s), may elevate the activation level due to lower response level not effectively protecting personnel, the public, or the environment. The IC is the only authorized individual to make this final determination.

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3.1.2 Control Room

The Control Room (CR) operator(s) will establish a strategy and specific tactics to accomplish the goals and objectives set by the IC. The CR is a remote facility in Pecos, Texas, that with the use of a remote Supervisory Control and Data Acquisition (SCADA) system, will monitor alarms and the affected processes, and H₂S concentrations and communicate these with the responding operator(s) and the IC to allow an adequate response to the release. The CR will coordinate the flow of information from the responding operator to the IC, and vice-versa, to execute strategies and tactics to achieve response objectives.

3.1.3 Designated Responding Operator

[29 CFR 1910.38(c)(5)]

The designated responding operator is a facility employee adequately trained to respond in emergency situations, as according to Section 6.1 of this Plan. They will don the proper PPE, depending on the plan activation level, the current concentration of H₂S, and specific instructions given by the IC prior to responding to the event. They are the first responders to alarms and are to investigate and verify alarm concentrations reported to the control room with hand-held monitors. During their investigation of the area, if the responding operator is to come upon personnel in distress, their immediate plan of action will be to assist said personnel and remove them from the affected area. They are to relocate the individual to a first aid station at the designated Emergency Assembly Area and perform First Aid/CPR until local emergency responders arrive on the scene. As required by the IC, the designated responding operator may need to perform repairs, test, restarts, or Emergency Shutdown Procedures in coordination with the CR and IC. It is inherent that the responding operator regularly update and keep the CR informed on what is occurring in the field.

As designated by the IC, responding operators will make a visual inspection of the area of exposure to ensure that no individuals are seen inside. If any are observed, they will be advised to evacuate immediately to the designated Emergency Evacuation Area.

Ameredev South Plant Operators are advised to recommend elevating the level of response based on observed conditions, and if they feel a lower level response may not be effective in protecting personnel, the public, or the environment.

3.1.4 Security Coordinator/Team

Upon plan activation, the IC, or designee, will designate a security coordinator and/or a security team to be established. This Site Security team will monitor facility entry and exit points and restrict access to the job site. The only personnel who will be allowed entry after Plan activation will be Emergency Responders. Personnel will only be admitted exit to the facility Emergency Assembly Area to complete a head-count. This role will also be tasked with overseeing and completing the facility head-count.

3.1.5 SCM Crisis Management Team

[29 CFR 1910.38(c)(6)]

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The list of SCM Internal Contacts, as seen in the List of Emergency Contacts of Appendix A, compromises the SCM Crisis Management Team. This team will be initiated by the IC and will take over all external notifications and communications, so that the IC, CR, and responding operators can focus on emergency response activities within the facility.

The Crisis Management Team, includes the Safety Officer, Information Officer, Senior Liaison, and Senior Advisors from the SCM ICS. The Safety Officer's function on the command staff is to develop and recommend measures for assuring personal safety, and to assist and/or anticipate hazardous and unsafe situations. The Safety Office will also be the point of contact for employees who need more information or clarification of their duties under the plan. Only one Safety Officer will be assigned for each incident. The Information Officer is responsible for developing and releasing information about the incident to the news media, to incident personnel, and to the public. Only one Information Officer will be assigned for each incident. The Liaison Officer is the point of contact for multijurisdictional agency representatives assigned to the incident.

3.1.6 Contractors/Visitors

Visitors and other non-essential personnel are prohibited from remaining in or entering an area contaminated by H₂S exceeding a concentration of 10 ppm.

3.2 EMERGENCY RESPONSE

3.2.1 Objective

The primary safety objective of SCM is to protect the general public, company employees, and contractors; the secondary objective is to minimize damaging effects of any safety incident to the environment and/or property. No individual should place the protection of the Plant property above his or her own personal safety.

3.2.2 Discovery and Internal Reporting [29 CFR 1910.38(c)(1)]

Facility field operations and maintenance crew personnel must carry a personal H₂S detection unit at all times. These units alert personnel if 10 ppm or greater of H₂S gas is detected. If any facility personnel, while performing work at the Plant, gathering lines, or AGI Well, discovers a leak or emission release, they are to notify the Control Room immediately and attempt to resolve the issue, as long as H₂S levels remain below 10 ppm. The personal monitoring devices will give off an audible alarm at 10 ppm or greater H₂S concentration. If their personal monitor alarms at any point during the corrective action, they are to evacuate the area using their SCBA rescue packs and immediately update the Control Room.

Fixed monitors are located strategically throughout the Ameredev South Plant and AGI wells sites and along the fence line. These fixed monitors will send a LOW Level alarm to the Pecos Control Room in the SCADA in the event H₂S concentrations are equal to or greater than 10 ppm but than 90 ppm; a HIGH Level alarm at H₂S concentrations equal to or greater than 90 ppm but less than 100 ppm; and HIGH HIGH Level alarm at H₂S concentrations greater than or equal to 100 ppm.

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The facility will implement a method to detect leaks from the TAG and gathering lines through Programmable Logic Controls (PLC) to the SCADA. The Control Room will monitor pressures for all lines. A HIGH HIGH Level alarm on the SCADA will signal there has been a shift in line pressure at a value significant enough to warrant an inspection of the line by SCM responding operators in full-face respirators with handheld detectors. A HIGH HIGH Level alarm on the SCADA will signal a shift in pressure at a value significant to assume catastrophic failure (Level 3 Plan activation). SCADA PLC's will trigger automatic shutdown, as described in the Ameredev South ESD Procedures, and SCM responding operators in SCBA respirators with handheld detectors to verify the failure condition.

Once the Control Room becomes aware of an H₂S alarm, either by SCADA alarms or an internal report of a personal or handheld monitor, the CR will notify the Operations Manager and initiate Plan activation. The Operations Manager will take the role of IC and initiate and maintain a chronologic Record of Events Log, found in Appendix E, which records the time, date and summary of events, and convey, at a minimum, the following information:

- Name, telephone number, and location of person reporting the situation;
- Type and severity of the emergency;
- Location of the emergency and the distance to surrounding equipment and/or structures;
- The cause of the spill or leak, name and quantity of material released, and extent of the affected area including the degree of environmental hazard; and
- Description of injuries and report of damage to property and structures.

All non-essential persons shall be notified of the release and evacuated from the area. The CR operator is responsible for notifying the Operations Manager or his designee so that the H₂S Contingency Plan can be activated, if necessary.

Once the Operations Manager/IC is contacted, he or his designee is to contact Plant emergency response personnel and notify them of the existing situation. Local emergency response providers will also be contacted as deemed necessary by the IC, or based on the Plan activation level. The IC, or designee, will then notify SCM internal contacts by initiating the SCM Crisis Management chain. The IC, or designee, shall be notified first, and that individual shall notify the SCM field operations office in Pecos, TX. This office will initiate coordination of the SCM Crisis Management Team. If any person in this chain of command is unavailable, the SCM employee shall elevate the communication to the next level. The intention of this process is to allow the IC to make one phone call and then be able to focus on the incident response.

The Senior Liason Officer, designated from the SCM Crisis Management Team, will then make notifications, as required, to regulatory agencies according to Section 3.6.1 of this Plan. SCM operations personnel are to advise any contractor or visitor on-site, or attempting to enter the Plant, that the H₂S Plan has been activated.

3.2.3 Plan Activation

[NMAC 19.15.11.9.B.2.f] [API RP-55 7.4 d]

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The plan will be implemented as described in the Immediate Action Plan in Section 3.2.5 of this plan. **The Plan will be activated upon the detection of a release of a potentially hazardous volume of H₂S, as defined in each level's activating conditions.**

3.2.3.1 Activation Levels

The Plan has three activation levels that are to be implemented in the Immediate Action Plan Section, see Section 3.2.5. SCM commits, that at a minimum, this Plan will be activated whenever a release may create a H₂S concentration of more than 100 ppm in a public area, 500 ppm at a public road, or 100 ppm 3,000 feet from the site of the release, as included in Level 3 activating conditions. Table 7 below demonstrates the activating conditions and associated audible and visible alarms for plan activation level:

Plan Level	Activating Conditions	Alarms and Beacons
Level 1	<ul style="list-style-type: none"> • H₂S of ≥ 10 ppm at any fixed or personal monitor 	<ul style="list-style-type: none"> • Flashing yellow lights or beacons • Intermittent horn
Level 2	<ul style="list-style-type: none"> • Corrective actions from Level 1 are unsuccessful; • H₂S of ≥ 90 ppm detected at any fixed or personal monitor; or • Operators Activate Emergency Shutdown Devices (ESD). 	<ul style="list-style-type: none"> • Flashing yellow lights or beacons • Continuous horn
Level 3	<ul style="list-style-type: none"> • Corrective actions from Level 2 are unsuccessful; • H₂S ≥ 10 ppm at Level 2 Emergency Assembly Areas and/or designated roadblocks; • A catastrophic release, fire, or explosion; • A flare-out during a Level 2 emergency occurs; • Operators Activate Emergency Shutdown Devices (ESD); • A continuous release of maximum volume for 24 hours occurs; or • There is H₂S ≥ 100 ppm at any public area, H₂S ≥ 500 ppm at any public road, or H₂S ≥ 100 ppm at a distance greater than 3,000 feet from the site release. 	<ul style="list-style-type: none"> • Flashing red lights or beacons • Continuous distinguished siren

Table 7: Plan Activation Level Description

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Level 1 – An intermittent horn is sounded and flashing yellow beacons are activated for H₂S concentrations greater than or equal to 10 ppm, but less than 90 ppm, at personal or fixed monitor.

Level 2 – A continuous horn is sounded and flashing yellow beacons are activated for H₂S concentrations greater than or equal to 90 ppm, but less than 100 ppm; OR when corrective actions at Level 1 have been unsuccessful; OR when Operators activate ESD.

Level 3 – A distinguished continuous siren is sounded and flashing yellow beacons are activated for H₂S concentrations greater than or equal to 100 ppm, 500 ppm at any public road; OR when corrective actions at Level 2 have been unsuccessful; OR there is a H₂S concentration of greater than or equal to 10 ppm at any Level 2 Emergency Assembly Area or designated roadblock; OR a catastrophic release, fire, or explosion occurs; OR a flare-out during a Level 2 emergency occurs; OR Operators activate ESD; OR a continuous release of maximum volume for 24 hours; OR H₂S concentrations greater than 100 ppm in any defined public area; 500 ppm at any public road; or 100 ppm at a distance greater than 3000 feet from the site or the release.

As soon as the Plan has been activated, based on the criteria above, the Operations Manager, or his designee will be notified and assume the role of IC.

3.2.3.2 Events that Could Lead to a Release

[NMAC 19.15.11.9.C]

Sources that could lead to a release include the following:

- Inlet and plant piping failure;
- Amine still failure (This would be a leak in the amine process equipment, or amine still utilized to separate methane from H₂S and CO₂);
- Flange/gasket leaks on inlet and plant piping;
- Flange/gasket leak on the acid gas compressors;
- Flange/gasket or valve packing leak at the AGI Well or associated piping;
- Valve packing failure;
- Seal failure on acid gas compressors;
- Failure of flare to ignite during Plant emergency blow down; or
- Damage to AGI Wellhead.
- Vents from low-pressure tanks
- Total failure of piping or equipment due to corrosion is possible and potentially more catastrophic but very low probability. Flange or valve stem leaks are much more likely but lower impact.

Engineering controls to reduce or mitigate a release include the following:

- High-reliability shutdown valves are provided to limit the volume of gas that can be released when a leak is detected.
- Compressor components, valves, and fittings are NACE MR0175 compliant to reduce the risk of leakage due to material corrosion.

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- Pressure relief valves to prevent equipment overpressure.
- Vent low-pressure tanks to flare.
- Flare is equipped with auto pilot ignition and detection.

Administrative controls to reduce or prevent a release include the following:

- Pressure testing with inert fluids prior to introduction of H₂S-containing fluids.
- Operator checklists for valve car seal positions.

3.2.4 Evacuation Routes, Emergency Assembly Areas, Media Site, and Roadblocks [NMAC 19.15.11.9.B.2.a] [API RP-55 7.4.a.5] [29 CFR 1910.38(c)(2)]

In the event of Plan activation, it may be necessary, according to the Immediate Action Plan covered in Section 3.2.5, for plant and ROE evacuations and the barricading of roads into the ROE.

3.2.4.1 Evacuation Routes and Emergency Assembly Areas

[29 CFR 1910.38(c)(3)] [29 CFR 1910.38(c)(4)]

Figure 3 below shows internal plant evacuation routes and Level 1 Plan Activation designated Emergency Assembly Areas (EAA). Figure 4 below shows the locations of Level 2 and 3 Primary and Alternate Emergency Assembly Area(s), recommended evacuation routes out of the area of exposure, and recommended road block locations. The Level 2 and Level 3 primary Emergency Assembly Area is collocated with the Level 3 roadblock location adjacent to the primary evacuation route along Frying Pan Rd. The Level 2 and Level 3 alternate Emergency Assembly Area is collocated with the Level 3 roadblock location adjacent to the alternate evacuation route along Battle Axe Rd.

Evacuation for all visitors and contractors begins upon the H₂S Contingency Plan activation. Additionally, all other personnel, without a Plan role or responsibility, as designated in Section 3.1 of this plan, in the Plant are to stop work, check the prevailing wind direction (using visible windsocks) and immediately proceed along designated Plant evacuation routes to the pre-designated Emergency Assembly Areas shown in Figure 3 and Figure 4. Each Emergency Assembly area is pre-designated to ensure it is located outside the current activation level ROE. A wind rose plot for 2017 is shown in Figure 5 using data from the nearest meteorological station at the Hobbs Lea County Airport in New Mexico.

As shown in the Windrose plot in Figure 5, prevailing winds for the area are from the south blowing predominantly to the north. Personnel should evacuate along the designated route unless that route is directly downwind of the release (based on observance of the windsocks). If this is the case, all evacuees should proceed perpendicular to the release, and then upwind, to the designated upwind Emergency Assembly Area.

Personnel with a designated Role or Responsibility, see Section 3.1, are to remain at the site and continue emergency response until objectives are met. At any time, the IC may excuse additional employees to evacuate to safety in the case the situation cannot be contained.

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A facility head-count shall be conducted at the Emergency Assembly Area to ensure all personnel (including contractors and visitors) are accounted for and have evacuated safely. The sign-in sheet, as seen in Appendix I, will be used by the designated Security Coordinator/Team at the Emergency Assembly Areas to account for all personnel and visitors.

At each Emergency Assembly Area, the ambient air quality will be monitored by the Control Room to ensure H₂S concentrations in the area remain at less than 10 ppm. If the H₂S concentration rises to 10 ppm or greater, the assembly area will be relocated and the plan activation level increased, as detailed in the Immediate Action Plan.

3.2.4.2 Media Site

The Media Site will be located adjacent to the active Emergency Assembly Area (see Figure 4). The IC will designate a Media Site adjacent to the Emergency Assembly Area. The IC will also designate an individual to assume the duties of Media Liaison Officer. The Media Liaison Officer is only to direct the media to the correct muster point. Direct all questions to the Information Officer within the SCM Crisis Management Team.

Under no circumstances will media personnel be allowed in areas with H₂S above 10 ppm. Media personnel shall not be allowed to enter SCM property without the approval of the SCM Asset Manager or his designee and shall be escorted by Ameredev South personnel at all times.

3.2.4.3 Road Block Locations

Pre-planned road block locations (which would be utilized in the event of a Level 2 or Level 3 response) are shown in Figure 4. Each road block location is pre-designated to ensure it is located outside the current activation level ROE to prevent entry into the area. Each location will have portable barricades, flashing lights, and warning signs. The IC will designate facility representatives to assemble and staff each of the roadblocks. The person manning the barricade must be equipped with a protective breathing apparatus, a handheld H₂S measuring device, and a VRF two-way radio. If deemed necessary by the IC, the State or Local Police will be asked to assist with maintaining the roadblocks.

In the event of Level 2 or 3 activation of this Plan, and as deemed necessary by the IC in Level 1 activation, the IC will dispatch designated facility representatives to establish roadblocks on these roads to prevent entrance into the 500 and/or 100 ppm ROE, depending on the response level and as designated by the IC (see Figure 4). Roadblocks will be established at the designated locations regardless of wind direction, in anticipation that variations in wind conditions can occur.

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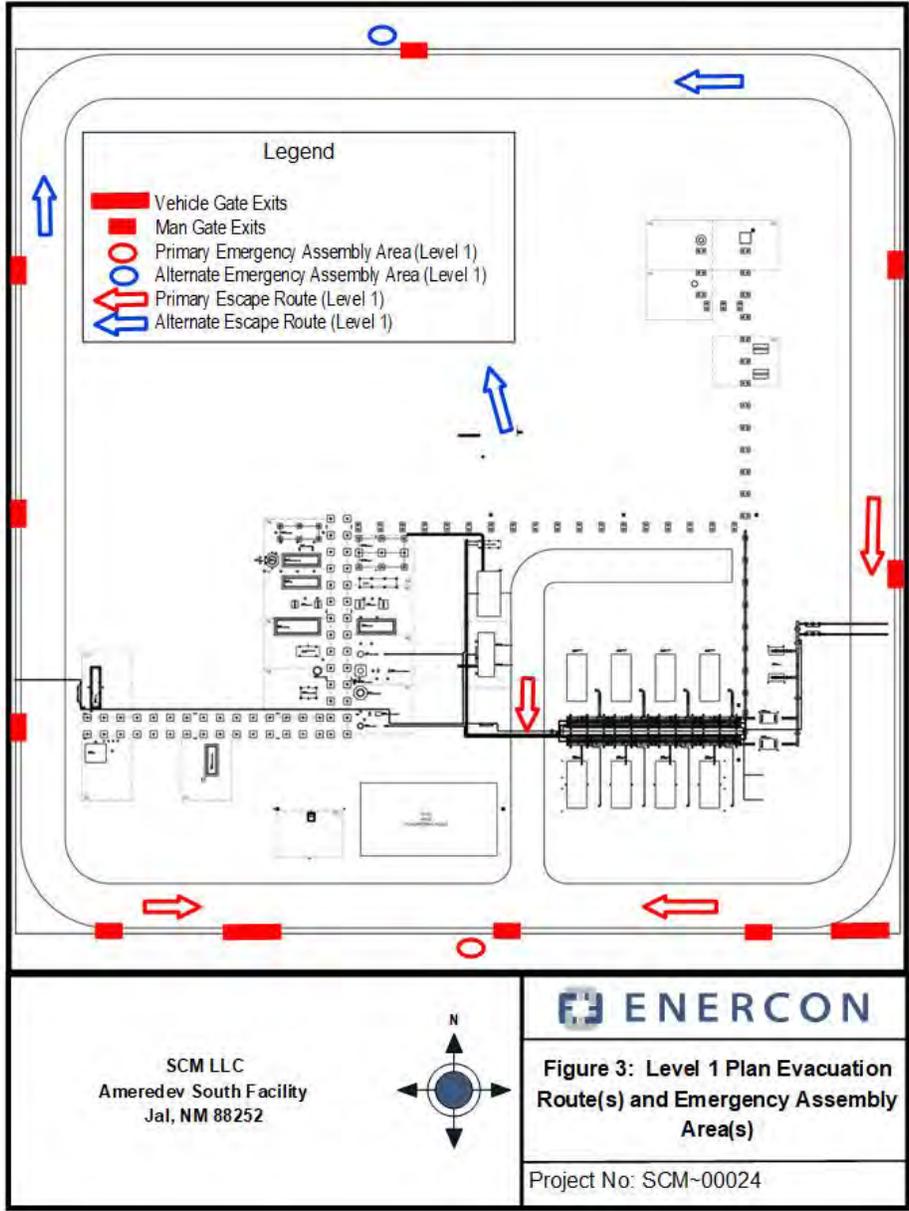


Figure 3: Internal Plant Evacuation Routes and Level 1 Emergency Assemble Area



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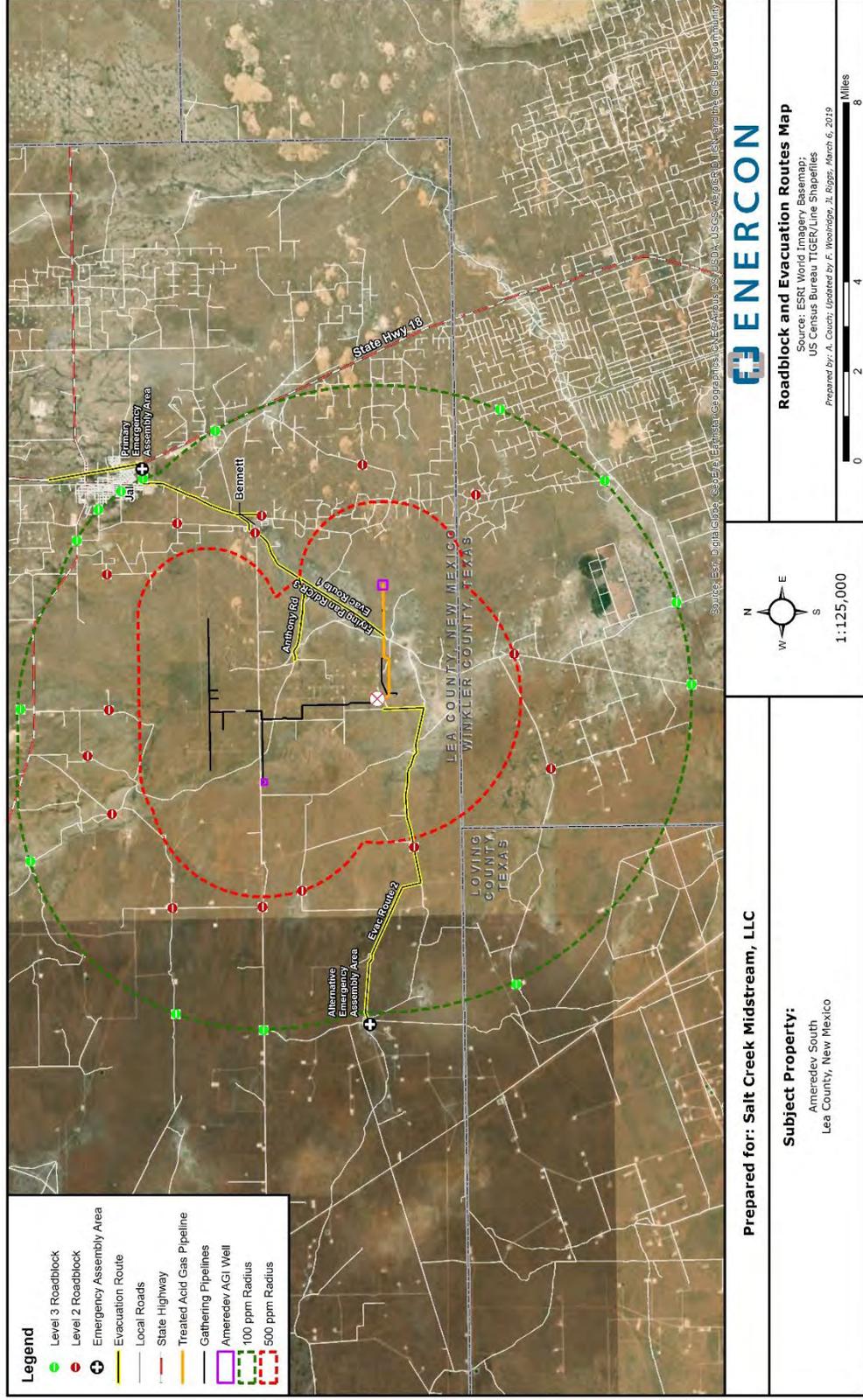


Figure 4: Emergency Evacuation Areas, External Evacuation Routes and Road Block Locations. Level 3 Roadblocks will also include H₂S Signage.

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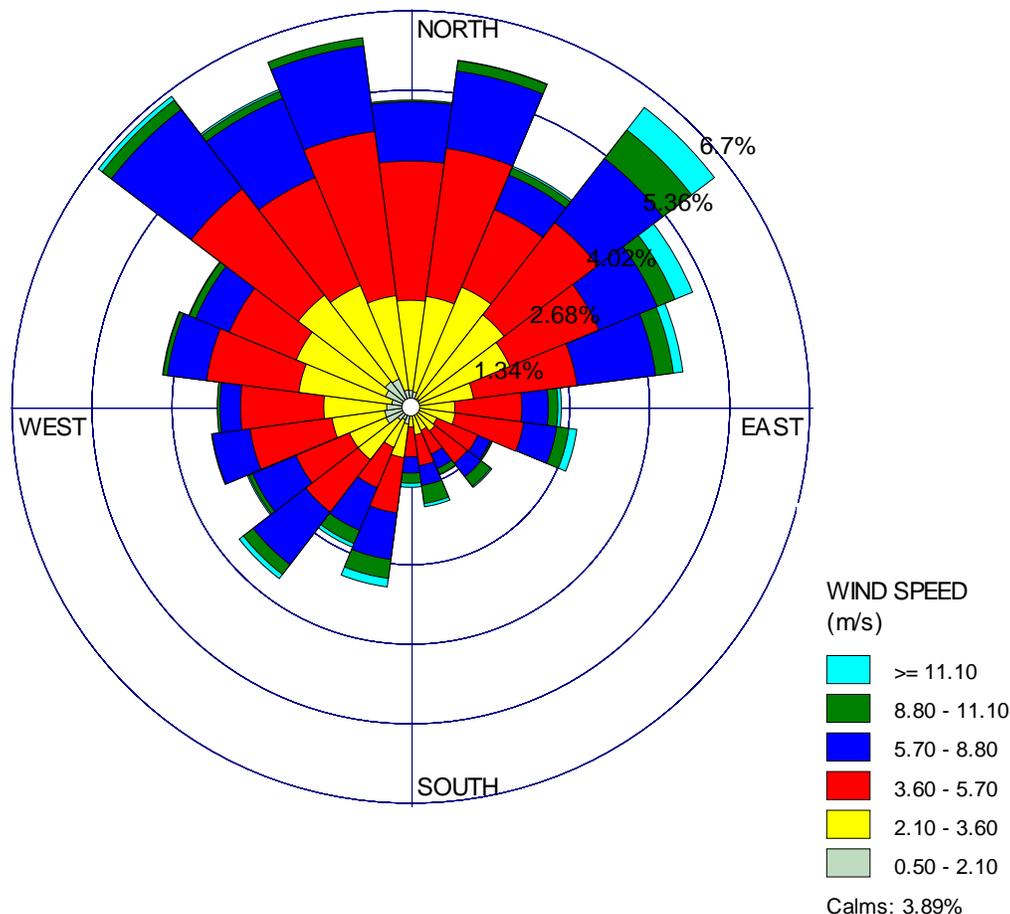


Figure 5: Windrose Plot from Hobbs Lea County Airport, New Mexico

3.2.5 Immediate Action Plan

[NMAC 19.15.11.9.B.2.a] [API-55.7.6]

This plan contains a condensed ‘Immediate Action Plan’ to be followed by designated personnel any time an alarm of a potentially hazardous concentration of H₂S is received. The Immediate Action Plan Checklist and Response Flow Diagrams are contained in Appendix F and Appendix G. These procedures and decision processes have been designed to ensure a coordinated, efficient and immediate action plan for alerting, accounting for, and protecting operating personnel, the general public; as well as, to take immediate action to minimize or abate the discharge.

There are various conditions that could activate or elevate Plan activation. The Plan is activated in progressive levels (Levels 1, 2 and 3), based on the conditions of the emergency or the concentration and duration of the H₂S release. Plan Activation is covered in Section 3.2.3 of this

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Plan.

3.2.6 Communication on Immediate Action Plan Implementation

3.2.6.1 Alerting the Public of the Emergency

[NMAC 19.15.11.9.b.d.a]

Notify the general public (residents and public areas) within the 500 and 100 ROE of the existence of an emergency according to Level 1, 2, and 3 Immediate Action Plan Checklist and Response Flow Diagrams, contained in Appendix F and Appendix G. If required to notify public areas and residents, it can either be done through direct telephone notification using the telephone lists in Appendix A, as described below, or by means of mass notification. Notification of the public shall be made by the fastest possible means to ensure public safety. All entities contacted will be advised of the following:

- The nature and extent of the release/emergency at the Plant and recommendations for protective actions, such as evacuation or shelter-in-place;
- Any other event-specific information that is necessary to protect the public; and
- Updated status of the release and continued safety measures to be taken, including but not limited to when to evacuate and/or when it is safe to return to the area.

3.2.6.2 Requesting Assistance and Follow-up for the General Public

[NMAC 19.15.11.9.b.d.a]

Any member of the public who requires assistance to evacuate an area of exposure is to contact local emergency response dispatch by dialing 911. The member of the public should provide the following information to the dispatcher to allow emergency responders to locate and remove him/her as quickly as possible:

- Full name(s);
- Physical Address and/or business name;
- How many members of the public need rescue or evacuation;
- Whether they are currently in distress; and
- A phone number to call back on.

3.2.6.3 Communicating Evacuation and Shelter-In-Place Plans with the Public

Safety precautions in the event of a release could include instructions for evacuation or shelter-in-place. When the term “shelter-in-place” is used in this Plan, it means that individuals should go inside homes, businesses, etc., turn off heating and air conditioning systems, close windows and doors and wait for further instruction. In the unlikely event that facility control measures do not adequately control the H₂S release, evacuations of the public within the area of exposure will be conducted. Evacuations will consist of emergency responders removing persons from residences or public areas, to a location outside of the area of exposure.

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3.2.7 Post-Emergency Actions

When the release has been controlled and the ambient air H₂S concentrations are less than 10 ppm at all monitors, the IC will make a determination as to whether the emergency event is no longer posing a hazard. If the IC deems the emergency as no longer posing any hazards to life, property, or the environment, the IC will give the “All Clear”. This will be communicated internally to the Plant and SCM contacts, to outside emergency responders, to the general public within the ROE (as applicable), and to outside regulatory agencies (as applicable).

Facility personnel will return to work, roadblocks will be removed and traffic restored (as applicable), and the IC will ensure all notifications are made according to Section 3.6.1 of this plan.

3.3 MONITORING, EMERGENCY, AND SAFETY EQUIPMENT

[API RP-55 7.4.a.6]

3.3.1 Emergency Shutdown Systems

[NMAC 19.15.11.12.D(1)]

SCM has installed an emergency shutdown (ESD) system at the Ameredev South Plant and corresponding AGI Well. The ESD automatic system is a fail-safe hardwired system that provides a programmable logic control (PLC) based safety shutdown system. Operators, in coordination with the Control Room and IC, will determine if an H₂S release situation warrants ESD of the Plant. When activated the ESD System is designed to isolate out-going gas and product streams that contain H₂S in hazardous concentrations and safely depressurize equipment to flares. As described above, these ESD can either be automatic or manually activated. *Reference the Ameredev South ESD Procedure for the list of ESD valves that will close upon activation of the ESD system.* Activation of the Ameredev South facility ESD will also de-energize all motors in affected process unit.

In the case of abnormal pressures or any other situation requiring immediate action, the acid gas injection process can be stopped at the compressor, and the wellhead can be shut in using a hydraulically operated wing valve on the Christmas tree. The Plant operator or IC may also shut the SSV. In addition, the well has profile nipples which provide the ability to insert a blanking plug into the base of the well below the packer which would allow for the safe reentry of the well. These safety devices provide for downhole accessibility and reentry under pressure for permanent well control. The SSV provides a redundant safety feature to shut in the wells in case the wing valves do not close properly. The above mentioned safety devices are depicted in the AGI well schematics figure in Appendix K.

Block valves on incoming lines can be closed where they enter the Plant perimeter. Additional isolating block valves outside the Plant perimeter on the incoming lines can be closed to prevent further gas flow into the Plant. The block valves furthest upstream can isolate the entire system from the field gathering lines coming into the Plant. At the discretion of the IC, operations

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personnel may be designated to close manual valves at field locations on inlet gas pipelines to ensure that incoming gas is shut off.

The Plant ESD can be activated at any time by the Ameredev South Plant Operators and is to be activated if efforts to control the release have failed or if a catastrophic release has occurred.

3.3.2 Alarms, Visible Beacons, and Wind Indicators

[NMAC 19.15.11.12.C] [29 CFR 1910.38(d)] [29 CFR 1910.165(b)(3)] [API RP-55 6.7]

Upon detection of hydrogen sulfide at 10 ppm or greater at any detector, visible beacons are activated, and an intermittent alarm is sounded. Upon detection of hydrogen sulfide at 90 ppm but less than 100 ppm at any detector a continuous evacuation horn is sounded throughout the Plant and/or AGI well facilities. Upon detection of hydrogen sulfide at greater than or equal to 100 ppm at any detector a distinguished continuous evacuation siren is sounded throughout the facility. Wind direction indicators, which are visible from all principal working areas at all times, are installed throughout the Plant as shown in Figure 6. At least one wind direction indicator can be seen from any location within the Plant, as well as, from any point on the perimeter of the Plant whether it is night or day. Similarly, the wind direction indicators will be installed at all AGI well facilities.

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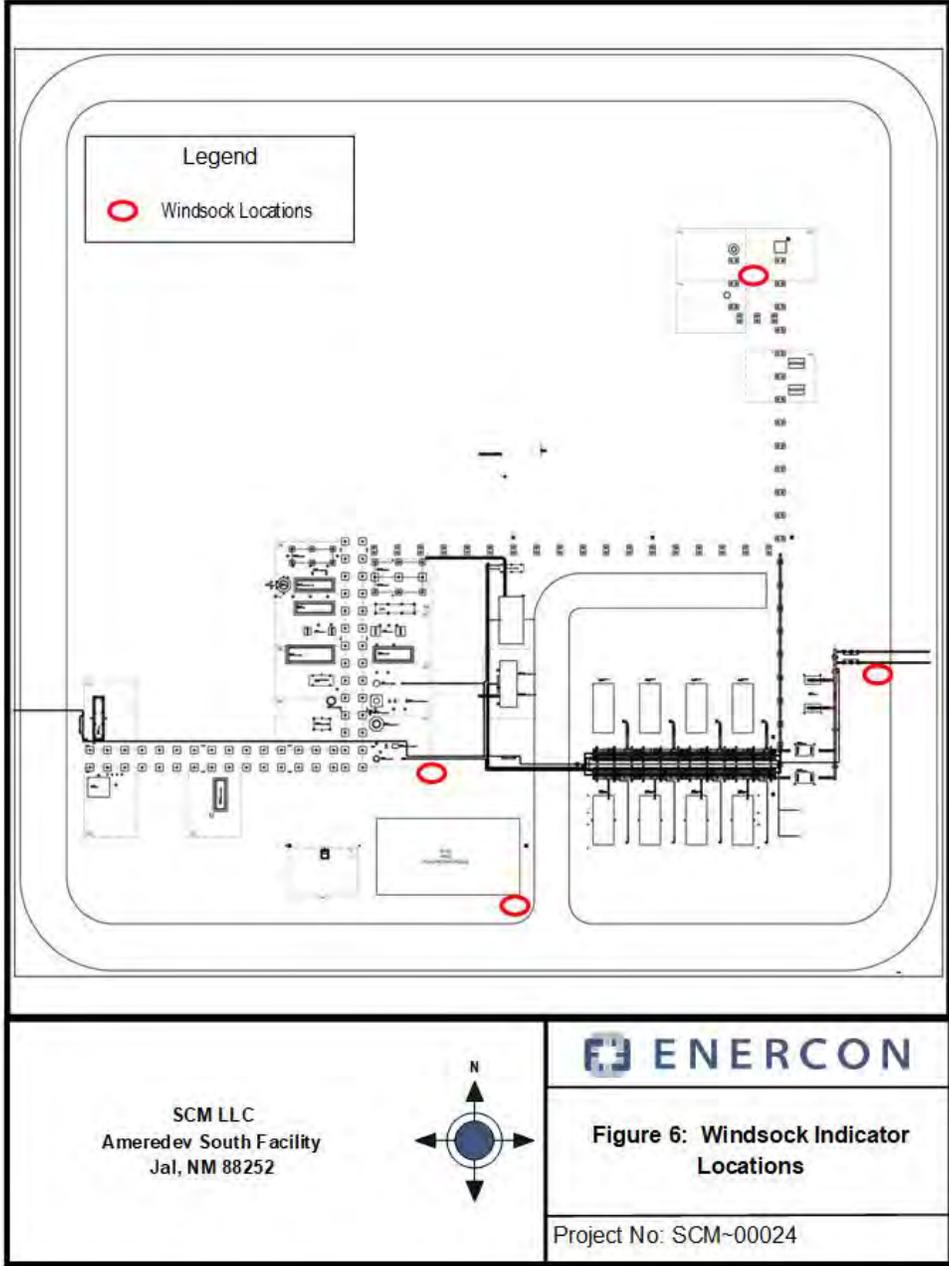


Figure 6: Location of wind indicators

3.3.3 Signs and Markers
 [NMAC 19.15.11.10] [API RP-55 6.8]

The Plant and AGI Wells have installed readily readable warning, caution and notice signs, which conform to the current ANSI standard Z535.1-2002 (Safety Color Code). These signs contain

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language warnings about the potential presence of H₂S/Poisonous Gas. The signs are of sufficient size to be readable at a distance of 50 feet and contain the words “Caution Poison Gas” and other information sufficient to warn the public that a potential danger exists. Signs warning of the potential presence of H₂S have been installed where the 100 ppm ROEs of the Plant intersect a public road, an access road, or public streets which provide direct access to the Plant within the area of exposure; at entrance points to the Plant or the AGI Well facility fence lines; and in populated areas, such as townsites and cities. Signs posted along road crossings are co-located with Level 2 roadblock locations and/or Emergency Assembly areas, as designated in Figure 4 of this Plan. Signs posted near the city of Jal, NM are posted in locations shown in Figure 7b. See Figure 4 for specific locations of all other signage. Placement of this signs, inside the 100 ppm impact area, will include public areas including schools, libraries, hospitals and government buildings.

The gathering and TAG lines signs and markings must comply with DOT requirements; the signs contain the same language and conform to the ANSI standard referenced above. The signs and markings are installed at public road crossings and along the line in public areas or along public roads, in an interval frequent enough as to provide warning to avoid accidental rupture by excavation. The gathering line signs shall contain sufficient information to establish ownership and existence of the line

See Figure 7a below for a photograph of the proposed signage.



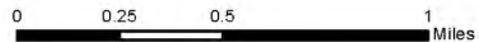
Figure 7a: Photograph of H₂S Warning Sign

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H2S Warning Sign Locations Near Jal, NM

Prepared for: Salt Creek Midstream, LLC



Subject Property:
Ameredev South
Lea County, New Mexico

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community

Figure 7b: H₂S Warning Sign Locations Near Jal, NM

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3.3.4 Gas Detection Equipment

All H₂S sensors and monitors are maintained in a "ready to use" state and have calibration checks performed in accordance with manufacturer's instructions.

3.3.4.1 Fixed Monitors

The Plant and AGI well locations utilize fixed-point monitors to detect the presence of H₂S in ambient air. SCM has installed sixteen (16) to twenty (20) fixed ambient hydrogen sulfide detectors strategically throughout the Plant and AGI wells to detect possible leaks. The Plant and AGI wells maintain a fixed H₂S Detection System consisting of ten (10) additional sensors in high risk areas of the amine treating plant. The sensors are connected to the Control Room alarm panel's Programmable Logic Controllers (PLCs), and then to the Ameredev South SCADA.

The Plant operators are able to monitor the concentration (ppm) level of H₂S of all Plant and AGI Well sensors on the SCADA located at the Pecos control room.

All sensor alarms require immediate action for any occurrence or malfunction and must be acknowledged (they will not clear themselves).

3.3.4.2 Personal H₂S Sensors

Field operators and service team working at the Ameredev South Plant are to wear personal H₂S monitors at all times. The personal monitors are to be set to alarm and vibrate at 10 ppm.

3.3.4.3 Handheld H₂S Sensors

Handheld gas detection monitors shall be co-located with the SCBAs so that Plant personnel can check specific areas and equipment for leak detection and control and use prior to initiating maintenance or work on the process or equipment. The handheld gas detectors have sensors for oxygen, LEL (explosive hydrocarbon atmospheres), H₂S and carbon dioxide (CO₂).

3.3.5 Safety Equipment

[NMAC19.15.11.9.B.2.a] [API RP-55 7.4.a.6]

3.3.5.1 First Aid Kits

The first aid station is located near the front entrance man gate, as seen in Appendix L. First aid kits are also provided in Ameredev South Operations Manager vehicles.

3.3.5.2 Personal Protective Equipment (PPE)

[API RP-55 6.6]

Each SCM field operations and maintenance crew personnel are provided a full-face positive-pressure, self-contained breathing apparatuses (SCBA). These are to be used

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during Level 1, 2 or 3 Plan activation emergency response. There are up to three (3) 30-minute SCBA respirators and air bottles strategically located throughout the Plant and AGI Well locations in PPE storage boxes, as seen in Appendix L. Additionally, four (4) SCBAs and oxygen tanks are located in Ameredev Operations Manager vehicles, one in each vehicle. The system is equipped with a low-pressure alarm to allow workers to safely exit the hazardous area with plenty of reserve air capacity.

In addition, emergency escape respirators are strategically located throughout the Plant and AGI well facilities in PPE storage boxes, as seen in Appendix L. They are to be used only for evacuation purposes.

All Plant personnel are to be medically cleared, trained, and fit tested on the specific make and model of the respirator annually.

3.3.5.3 Fire Extinguishers

Plant personnel are trained only for incipient stage fire-fighting. Refer to SCM's ERP for firefighting requirements and capabilities.

3.3.5.4 Eyewash/Shower Stations

Due to the nature of facility operations, eyewash/shower stations are placed strategically near piping and equipment where there is a potential exposure to corrosive material. The eyewash/shower station locations can be found in Appendix L.

3.3.5.5 Fixed H₂S Monitors at Ameredev South Facility

Appendix L shows the locations of the fixed H₂S monitors placement at the Ameredev South Facility. Four monitors will be placed at the facility, one monitor at the first aid building, one near the amine unit (D block), and two monitors on the corners of the facility boundary.

All Plant personnel are to be trained on how to use the eyewash stations and safety showers.

3.4 LOCATION OF NEARBY PUBLIC AREAS, RESIDENCES, AND PUBLIC ROADS

[NMAC 19.15.11.9.B(2)(c)] [API RP-55 7.4.a.4]

SCM has compiled a list of residences, public areas (such as schools, business locations, churches, medical facilities), and public roads and mapped their location with the area of exposure. Figure 2 contains a detailed plot with the 500 and 100 ROE from each volume sources at the Ameredev South system. These volume sources include the flare, TAG pipeline, AGI wells and the gathering lines feeding into the Ameredev South facility. In Figure 7, the impact radius from each of these individual volume sources were merged to create two impact circles, with the 500 ppm and 100 ppm exposure areas. The map in Figure 8 includes the locations of each residence, public area, and public roads (referred to as receptors) as discussed below.

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3.4.1 Location Public Roads

There are three public roads located within the 500 ppm ROE: Anthony Rd, Beckham Rd and Frying Pan Road (CR 3). All three of these roads also have sections within the 100 ppm ROE. Figure 8 includes a map that depicts the area of exposure and public roads within the 500 and 100 ROE.

3.4.2 Location of Residents

There are two residences within the 500 ppm. One around two miles north of the treated acid gas pipeline and one around 1.3 miles to the Southwest of the treated acid gas pipeline. There are nine residences in Bennett, NM (based on 2010 US Census Bureau block group data) around 2.75 miles to the Northeast of the pipeline, within the 100 ppm ROE.

3.4.3 Location of Public Areas and Nearby Businesses

The Plant and AGI wells are located on land leased from the State Land Board (SLB) by SCM. Additionally, there is a small settlement of Bennett, NM about 2.75 miles to the Northeast of the pipeline within the 100 ppm ROE. 8 includes a map that depicts the area of exposure and public areas and public roads within the area of exposure.

3.4.4 Medical Facilities

There are no medical facilities located within the ROE.

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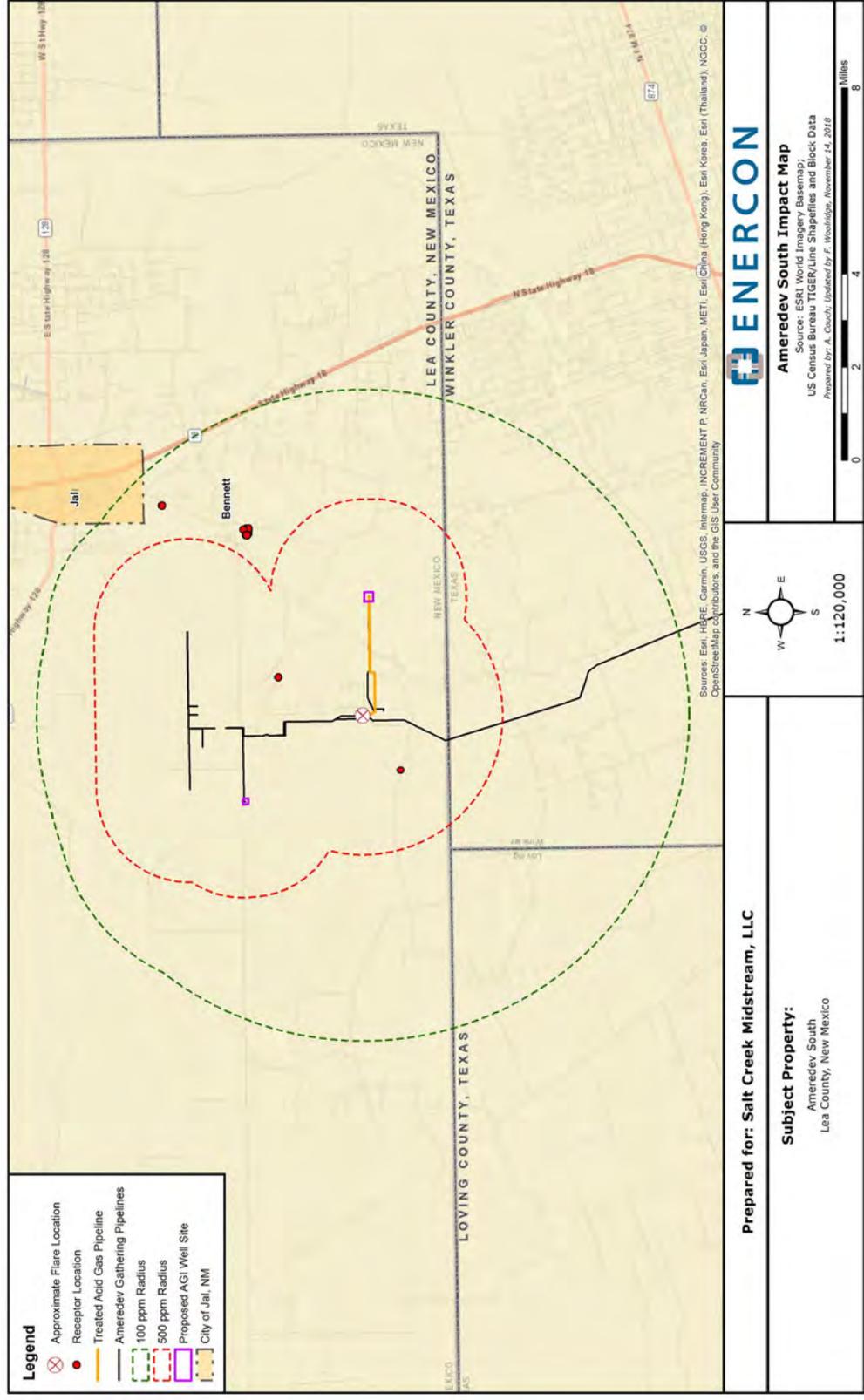


Figure 8: 500 ppm and 100 ppm Radius of Impact (ROE)

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3.5 EMERGENCY TELEPHONE LISTS AND COMMUNICATION METHODS [NMAC 19.15.11.9.B.2.a] [API RP-55 7.7]

In an emergency situation, all non-emergency telephone and radio traffic will cease immediately. Any delay in communicating with emergency site personnel could be critical. This communications restriction will continue until the emergency has ended and the facility has received the “All Clear”.

In the event of activation of the Plan, emergency responders, public agencies, local government, BLM, SCM internal contacts, residents, and responsible parties for public areas may need to be contacted. Telephone contact information for those public areas and residents within the 500 and 100 ROE are included in Appendix A. Appendix A also contains a listing of all producers with wells within the 500 ppm and 100 ppm ROE who will be contacted in the event of activation of the H₂S Plan. SCM will inform all state and local response organizations if the H₂S Plan is activated; contact information for them is also contained in Appendix A.

The emergency responders, Control Room, and IC will communicate by VHF mobile two-way radios during the emergency. Channel 1 is the normal plant operations channel. However, during an emergency, all emergency response communications will be conducted on Channel 2. When the H₂S Contingency Plan is activated, the Control Room will notify the facility, over Channel 1, activation of the Plan. All personnel with an emergency response role at the facility will then switch to Channel 2. When the IC has deemed the emergency as no longer posing any hazards to life, property, or the environment, the IC will give the “All Clear” over the radio on Channel 2.

3.6 NOTIFICATION AND REPORTS

3.6.1 Notifications

The Plant has various notification and reporting obligations, including state and federal spill reporting obligations. In addition, Plant personnel have internal and external notification and reporting obligations associated with the activation of this Plan. Reporting obligations are as follows:

3.6.1.1 New Mexico Oil Conservation Division (OCD) [NMAC 19.15.11.16]

As soon as possible, but no later than four hours after Level 2 or 3 Plan activation, the OCD will be notified by the Senior Liaison Officer via email or fax to the District Office of the activation of the H₂S Contingency Plan. In the event of a power failure, a phone call will be made within four hours.

3.6.1.2 Bureau of Land Management (BLM)

The BLM will also be contacted in the event of activation of the plan since the associated Ameredev North gathering lines are located on land leased from BLM by SCM.

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3.6.1.3 Reportable Quantity (RQ) Notifications

[40 CFR 355.43] [40 CFR 302.6]

The reportable quantity (RQ) threshold for H₂S is 100 lbs. If the H₂S release is greater than or equal to the RQ, the Senior Liaison Officer must make the following notifications.

National Response Center (NRC)

According to the Comprehensive Emergency Response, Compensation, and liability Act (CERCLA), to the National Response Center (NRC) must be notified immediately by phone. In general, immediately means within 15 minutes that it is known, or should be known, that the RQ has been exceeded. Appendix A lists the phone number for the NRC.

Local Emergency Planning Committee (LEPC)

According to the Emergency Planning and Community Right-to-know Act (EPCRA), to the County Local Emergency Planning Committee (LEPC) must be notified immediately by phone. Appendix A lists the phone number for the LEPC. A written follow-up emergency notification must be provided, in writing, as soon as practical after the release. The EPA has no specific formatting for the follow-up notification and is dependent on the LEPC.

State Emergency Response Center (SERC)

According to the Emergency Planning and Community Right-to-know Act (EPCRA), to the State Emergency Response Center (SERC) must be notified immediately by phone. Appendix A lists the phone number for the SERC. A written follow-up emergency notification must be provided, in writing, as soon as practical after the release. The EPA has no specific formatting for the follow-up notification and is dependent on the SERC.

3.6.2 Reports

3.6.2.1 Release and Incident Reporting

[NMAC 19.15.11.16]

SCM will submit a full report utilizing OCD Form C-141 within fifteen (15) days following a release of H₂S requiring activation of this plan (see Appendix H).

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4. SITE SECURITY

[NMAC 19.15.11.12.B]

The AGI wells and Ameredev South Gas Plant are fixed surface facilities and may be unattended for periods of time. To protect from public access, these sites will be provided fencing with locking gates. For the purpose of this section, any surface gathering lines shall not be considered a fixed surface facility, and therefore, do not require protection from public access.

In order to have an accurate listing of all personnel on-site in the event of an emergency, a daily sign-in log sheet shall be utilized, as seen in Appendix I. All personnel, including Ameredev South facility personnel, contractors, and visitors must sign-in and sign-out each time they enter or exit the Plant. In the event of plan activation, this daily sign-in log will be used in the facility wide head-count.

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5. COORDINATION WITH STATE EMERGENCY PLANS

[NMAC 19.15.11.9.B(2)(e)]

Arrangements have been made with local emergency response actions with the division, the State Police, local Police Departments, local fire departments, hospitals, contractors, the State Emergency Response Commission (SERC), and the Local Emergency Planning Commission (LEPC), as listed in Appendix A, to coordinate emergency services, pursuant to this Plan. A copy of this Plan has been distributed according Appendix B. If the Plan is amended, as necessary, the plan will be redistributed to the above emergency teams, and according to Appendix B.

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6. TRAINING/DRILLS/EDUCATION

6.1 TRAINING

[NMAC 19.15.11.9.B(2)(d)] [API RP-55 7.8]

6.1.1 Ameredev South Personnel

Annual training for SCM and Ameredev South personnel shall include field operators and service team (mechanics, instrument and electrical technicians, and measurement) support personnel. Control Room Operators will be responsible for initiating and implementing the Plan. An annual Plant Orientation will be required for all visitors and contractors prior to entering the site.

Initial and annual refresher awareness training on the H₂S Contingency Plan will be provided to Plant personnel. The contents of this H₂S awareness training will include:

- Hazards and characteristics of H₂S;
- Safety precautions;
- Operation of safety equipment and life support system(s), including the proper use of respirators, annual fit tests, and a medical clearance for respirator use.;
- PPE requirements during the activation of this plan, including at a minimum, a review of all the types and levels of personal protective equipment and how to select the correct equipment for the job;
- An overview of the Ameredev South Plant and AGI operations;
- A review of the roles and responsibilities, specific to their job description, in responding to this Contingency Plan;
- Detecting a release, activating and implementing this Contingency Plan, including notifying the control room and evacuating safely;
- Hazard Communication, including, at a minimum, the use of safety data sheets (SDS) for those materials that are present at the Plant;
- HAZWOPER for field operators and service team; Location of the Radii of Exposure and how to protect the public within the Radii of Exposure; and
- Potential roadblock locations, potential evacuation routes, and shelter-in-place implementation.

Designated emergency responders, as detailed in Section 3.1.3 of this Plan, will receive the above initial and annual awareness training, in addition to, initial and triennial refresher Hazardous Materials (HAZMAT) and First Aid/CPR certification training.

On-site supervisory personnel will be additionally trained in the following: effect of H₂S on metal components in the system; corrective action and shutdown procedures and must have full knowledge of the requirements of this Plan.

The Roles and Responsibilities of SCM and Ameredev South personnel during an emergency are described in Section 3.1 of this plan, and in accordance with the SCM ICS structure included in Appendix D. These duties will be reviewed on an annual basis to ensure complete understanding and facilitate a well-coordinated response by all personnel during the emergency event.

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6.1.2 Visitors and Contractors

All visitors and contractors must attend a Plant overview orientation prior to obtaining permission to enter the Plant. A refresher course on this training is required annually for visitors and contractors. A training card will be provided when the training is complete. The individual should keep this training record with them while on facility property. Included as part of this orientation is how to respond and evacuate safely in the event of a H₂S alarm or release.

All contract personnel are required to have received annual refresher training on H₂S and other hazards or OSHA programs relevant to their work on locations covered by this plan. Each contract employee is required to provide the Plant a copy of their certification card(s) prior to obtaining permission to enter the Plant.

6.1.3 Advanced Briefings of the Public and Public Officials

The training of residents and public officials will be conducted by providing advanced briefings on an annual basis. The training will be conducted by sending a brochure mailing to residents listed in Appendix A. SCM will also provide a one to two (1-2) hour session of training for residents, invitations to attend resident training sessions will be included with the mailed brochure. These public briefings will cover proper protective measures to be taken in the event of a release and will include:

- Hazards and characteristics of H₂S;
- The necessity for an emergency action plan;
- The possible sources of hydrogen sulfide within the area of exposure;
- Instructions for reporting a gas leak;
- The manner in which the public will be notified of an emergency;
- Evacuation and shelter-in-place plans; and
- Steps to be taken in case of an emergency.

6.2 EMERGENCY RESPONSE DRILLS

[NMAC 19.15.11.9.B(2)(d)] [API RP-55 7.8]

SCM will also conduct, at a minimum, one annual tabletop drill simulating a release, and involve the local Public Officials and Emergency Response Organizations. Multiple drills during the year may be scheduled at the discretion of the Operations Manager.

Annual drills will include making contact with the entities that are identified as being within the 500 ppm and 100 ppm ROE (see Appendix A) to ensure contact information for them is current. At a minimum, the drill or exercise should cover activation and implementation of the Ameredev South Plant H₂S Contingency Plan.

6.3 TRAINING AND ATTENDANCE DOCUMENTATION

[NMAC 19.15.11.9 G]

Training and drills will be documented and maintained at the Plant for the lifetime of the facility. The

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Training Documentation log, as seen in Appendix J, is utilized to log the training schedules and attendee rosters. A complete record of required documentation shall include, at a minimum, the following:

- Training schedules and course outlines;
- Description or scope of the drill;
- Date, time, and attendees or participants in the drill or training;
- Summary of activities and responses; and
- Post-drill debriefing and reviews.

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APPENDIX A
EMERGENCY TELEPHONE CONTACTS

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APPENDIX A

Emergency Telephone Contacts

BUSINESSES/PUBLIC RECEPTORS/RESIDENCES WITHIN THE ROE

RECEPTOR NAME	ADDRESS/LOCATION	PHONE NUMBER
500 ppm ROE		
Dinwiddie Cattle Company LLC	309 West Highway 28 Jal, NM 88252- Office address Coordinates: 32.065765°N 103.161237°W	575-354-2489 – Tommy Dinwiddie
Fulfer Oil & Cattle Company, LLC	205 South Highway Jal, NM 88252-	575-631-0522- Greg Fulfer
Beckham Ranch, Inc.	236 Beckham Rd Jal, NM 88252	575-395-3230- Brad Beckham
EOG Resources	No physical address for land Coordinates are: 32.053894°N 103.140927°W	737-300-4700- Houston Office
Dinwiddie Cattle Company LLC	309 West Highway 28 Jal, NM 88252- Office address Coordinates: 32.065765°N 103.161237°W	575-354-2489 – Tommy Dinwiddie
Ameredev (Washington Crossing Field Services, LLC)	No physical address for land Coordinates are: 32.011384°N 103.153594°W	737-300-4775 – Zach Boyd Zboyd@ameredev.com Shane McNeely Smcneely@ameredev.com
100 ppm ROE		
Andrade, Elvia	3 Benson St Jal, NM 88252	No phone information available
Webster, Wayne W.	14 Gasoline Alley Rd Lots 3, 8, 9, 20, 21, 31, 34, 23, 24, 26, 28, 37, 30, 48-50, 52, 59, 60-62, 64, 67, 68, 79, 89, 97, 98 Jal, NM 88252	575-395-2439

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RECEPTOR NAME	ADDRESS/LOCATION	PHONE NUMBER
100 ppm ROE (Continued)		
Taylor, Velma Y.	14 Gasoline Alley Rd Lots 40, 51, 55-58, 63, 65, 78 Jal, NM 88252	575-395-2188
Ramos, Erasmo T.	126 5 th Bennett St Lot 6 Jal, NM 88252	432-381-9033- Mobile 505-910-3385- Mobile 575-885-1269
Hernandez, Melina Flores De	10 5 th Bennett St Lot 7 Jal, NM 88252	No phone information available
Gonzales, Mary	13 5 th Bennett St Lots 30 and 35 Jal, NM 88252	No phone information available
Sanchez, Juan Tapia	14 Benson St Lots 41, 42, 33 Jal, NM 88252	602-388-0653- Mobile
Hill, William E. Jr Hill, Eddie	14 5 th Bennett St Lots 36, 47 Jal, NM 88252	941-626-4898- Mobile 575-395-2737
Emerson, Billy Ralph	5 th Bennett St Lots 4, 5 Jal, NM 88252	575-395-2398 575-631-0235- Mobile
Meza, Armando Meza, Maria	18 Gasoline Alley Lots 94, 95 Jal, NM 88252	575-631-6533 505-395-3401- Mobile (Maria)
Franco, Apolinar Etal	16 Benson St. Jal, NM 88252	No phone information available
Nunez, Delores	216 Main Red Line St Lots 58, 66 Jal, NM 88252	575-395-7024
Gomez, Elisa	Main Line Red St Lot 69 Jal, NM 88252	No phone information available
Juarez, Humberto	Main Line Red St Lots 70, 71 Jal, NM 88252	575-395-3148
Cahill, Mark	Main Line Red St Lots 72-74, 85-87 Jal, NM 88252	No phone information available
Immel, Karla	Marshall St Lots 18, 19 Jal, NM 88252	575-395-2401
Fulfer, Gregory H.	22 Fulfer Ln Jal, NM 88252	575-395-3530

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100 ppm ROE (Continued)		
Moore, Mary Ann	104 S 10 th St Jal, NM 88252	575-395-2166
Peugh, Roy S	137 S 7 th St Jal, NM 88252	505-395-2409
Valdez, Jesus Trejo	103 S 8 th St Jal, NM 88252	575-942-3119
Hammons, David L	106 S 8 th St Jal, NM 88252	575-395-3327
Lujan, Clotilde	115 S 8 th St Jal, NM 88252	575-395-2271
Rodriguez, Ricardo Revocable Trust	223 S 8 th St Jal, NM 88252	No Phone information available
Shaffer, Twyligh E	319 S 8 th St Jal, NM 88252	575-395-2283
Fulfer, Rowdy R	109 S 9 th St Jal, NM 88252	575-395-2216
Sledge, Bill	201 S 9 th St Jal, NM 88252	432-263-7010
Carrillo, Juan D	210 S 9 th St Jal, NM 88252	303-576-9329
Fulfer, Billie	213 S 9 th St Jal, NM 88252	575-257-1355
Locklar, Craig	311 S 9 th St Jal, NM 88252	432-570-7431
Huddleston, J C (Harlan)	619 W Colorado Ave Jal, NM 88252	575-395-3301
Nieto, Victor	623 W Colorado Ave Jal, NM 88252	575-395-9908
Garrison, Beecher L	503 W Idaho Ave Jal, NM 88252	No Phone information available
Reed, Garland Darrell Jr	505 W Idaho Ave Jal, NM 88252	No Phone information available
Morales, Marciano	507 W Idaho Ave Jal, NM 88252	505-395-3424
Valeriano, Alvaro	516 W Idaho Ave Jal, NM 88252	No Phone information available
Juarez, Dulces N	602 W Idaho Ave Jal, NM 88252	575-395-2145
Rodriguez, Gabriela Yadira	610 W Idaho Ave Jal, NM 88252	No Phone information available
Hernandez, Melina Flores De	611 W Idaho Ave Jal, NM 88252	No Phone information available

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100 ppm ROE (Continued)		
Valdez, Melissa	618 – 622 W Idaho Ave Jal, NM 88252	575-395-2432
Briggs, Wilmer M	623 W Idaho Ave Jal, NM 88252	No Phone information available
Moody, Whitney Ann	707 W Idaho Ave Jal, NM 88252	575-397-9304
Ramirez, Pilar Sr	323 W Nebraska Ave Jal, NM 88252	575-395-2103
Dinwiddie, John Thomas	504 W Utah Ave Jal, NM 88252	No Phone information available
Ramirez, Miguel A	506 W Utah Ave Jal, NM 88252	No Phone information available
Tuten, Sandra L	508 W Utah Ave Jal, NM 88252	575-397-7068
Arriaga, Armando	510 W Utah Ave	575-395-9952
Obenhaus, Clarissa G	418 S 7 th St Jal, NM 88252	843-644-1987
Harpham, Helen A	422 S 7 th St Jal, NM 88252	575-395-2775
First B Church	423 S 7 th St Jal, NM 88252	575-395-2706
Salinas, Jesusita O	425 S 7 th St Jal, NM 88252	575-395-3242
Samaniego, Jimmy Jr	429 S 7 th St Jal, NM 88252	575-395-2945
Church of God, Jal	432 S 7 th St Jal, NM 88252	No Phone information available
Guinn, Kevin R	433 S 7 th St Jal, NM 88252	575-395-3232
Harrison, Doug W	435 S 7 th St Jal, NM 88252	575-395-2494
Chapman, Johnny W	438 S 7 th St Jal, NM 88252	575-395-3342
Hunter, Randy C	439 S 7 th St Jal, NM 88252	575-395-2669
Knight, Gerald W	451 S 7 th St Jal, NM 88252	505-395-3235
Houston, Craig	401 S 8 th St Jal, NM 88252	575-395-9978
Herrera, Armando	407 S 8 th St Jal, NM 88252	505-885-9042

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100 ppm ROE (Continued)		
Rodriguez, Humberto	411 S 8 th St Jal, NM 88252	505-395-2800
Green, Judy	419 S 8 th St Jal, NM 88252	580-367-2496
Burns, Larry D	420 S 8 th St Jal, NM 88252	505-395-3297
Walter, Keith Alan	422 S 8 th St Jal, NM 88252	575-395-3077
Rodriguez, Humberto	430 S 8 th St Jal, NM 88252	505-395-2800
Henneke, Sarah B	438 S 8 th St Jal, NM 88252	575-395-2508
Hammons, Larry	441 S 8 th St Jal, NM 88252	575-395-3327
Simmons, Horace S	442 S 8 th St Jal, NM 88252	No Phone information available
Anderson, Kenneth G	450 S 8 th St Jal, NM 88252	575-395-3076
Ramirez, Pilar Sr	423 W Panther Ave Jal, NM 88252	575/395-2103
Fulfer Investments LLC	1179 S 3 rd St Jal, NM 88252	575/395-2038
Vargas, Lorenzo Jr	1203 S 3 rd St Jal, NM 88252	575/395-9964
Broom, Thomas G	1220 S 3 rd St Jal, NM 88252	575/395-2442
Navarrete, Pedro B	1300 S 3 rd St Jal, NM 88252	No Phone information available
Jal Lake Park/ City of Jal	Whitworth Dr Jal, NM 88252	Contact Jal
Signor Lodging	218 Whitworth Dr Jal, NM 88252	512/608-8620
C K Supply LLC	518 S 3 rd St Jal, NM 88252	575/395-2240
Armstrong, Wanliss E II	537 S 3 rd St Jal, NM 88252	575/395-3284
Rodriguez, Norma L	601 S 3 rd St Jal, NM 88252	No Phone information available
Fulfer, Gregory H	603 S 3 rd St Jal, NM 88252	575/395-3530
Franco, Jorge	605 S 3 rd St Jal, NM 88252	No Phone information available

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100 ppm ROE (Continued)		
Fuentes, Guadalupe	607 S 3 rd St Jal, NM 88252	575-395-2295
Ramos, Ruben M	611 S 3 rd St Jal, NM 88252	575-395-2368
Ortega, Maria	615 S 3 rd St Jal, NM 88252	575-395-3452
Ramos, Mike Torres	617 S 3 rd St Jal, NM 88252	575-395-2792
Sauceda, Roberta	619 S 3 rd St Jal, NM 88252	No Phone information available
Soto, Juan Duron	501 S 4 th St Jal, NM 88252	No Phone information available
Greene, Crystal L	502 S 4 th St Jal, NM 88252	575-395-2427
Dawson, Brenda	503 S 4 th St Jal, NM 88252	575-395-7014
Goodwin, Jason D	504 S 4 th St Jal, NM 88252	No Phone information available
Chavez, Randy Paul	506 S 4 th St Jal, NM 88252	575-395-2963
Aldridge, Stephen	507 S 4 th St Jal, NM 88252	575-395-3315
Trevino, Raul C	508 S 4 th St Jal, NM 88252	575-395-2214
Aldridge, Stephen	510 S 4 th St Jal, NM 88252	575-395-3315
Aldridge, Stephen	517 S 4 th St Jal, NM 88252	575-395-3315
Cooper, W K	524 S 4 th St Jal, NM 88252	575-395-3030
Brown, Jake W	525 S 4 th St Jal, NM 88252	575-395-2115
Terrell, Joshua C	527 S 4 th St Jal, NM 88252	575-395-3241
Armstrong, Wanliss E II	528 S 4 th St Jal, NM 88252	575-395-3284
Hagan, Tom	530 S 4 th St Jal, NM 88252	No Phone information available
Nash, Thomas Christopher	535 S 4 th St Jal, NM 88252	575-395-3122
Boehm, Ronny J	602 S 4 th St Jal, NM 88252	575-395-2411
Fowler, James Franklin	604 S 4 th St Jal, NM 88252	575-397-4169

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100 ppm ROE (Continued)		
Nieto, Jose Luis	608 S 4 th St Jal, NM 88252	623-566-4100
Ward, Coy J Trust	609 S 4 th St Jal, NM 88252	575-395-2623
Cooper, W K	612 S 4 th St Jal, NM 88252	575-395-3030
Pittam, Richard S	613 S 4 th St Jal, NM 88252	575-395-2083
Ramos, Mike Torres	616 S 4 th St Jal, NM 88252	575-395-2792
Ward, Stacy T	617 S 4 th St Jal, NM 88252	575-395-3427
Arroyo, Aide N	620 S 4 th St Jal, NM 88252	No Phone information available
Dunn, Alton L	621 S 4 th St Jal, NM 88252	575-395-3592
Newton, Joanne	624 S 4 th St Jal, NM 88252	505-395-2337
Carrasco, Ramona R	625 S 4 th St Jal, NM 88252	575-393-3557
Rodriguez, Heraclio	629 S 4 th St Jal, NM 88252	No Phone information available
Sota, Bertha Aguilar	630 S 4 th St Jal, NM 88252	No Phone information available
Butler, Dennis Harrell	632 S 4 th St Jal, NM 88252	575-395-3425
MC Manes, Joseph M	633 S 4 th St Jal, NM 88252	No Phone information available
St Cecilia Catholic Church/ Catholic Diocese of Las Cruces	503 S 5 th St Jal, NM 88252	575-395-2431
Juarez, Rosalinda	518 S 5 th St Jal, NM 88252	830-774-2906
Warren, Sonya	519 S 5 th St Jal, NM 88252	575-395-3220
Cooper, Wilmer K	520 S 5 th St Jal, NM 88252	575-395-3030
Castillo, Rosa Marie	521 S 5 th St Jal, NM 88252	No Phone information available
Jimenez, Guadalupe J	522 S 5 th St Jal, NM 88252	No Phone information available
Porras, Martin	523 S 5 th St Jal, NM 88252	575-395-3038
Porras, Martin	524 S 5 th St Jal, NM 88252	575-395-3038

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100 ppm ROE (Continued)		
Jennifer Villarreal	525 S 5 th St Jal, NM 88252	575-395-2439
Calvary Baptist Church	526 S 5 th St Jal, NM 88252	575-395-2497
Herrera, Luis D	527 S 5 th St Jal, NM 88252	575-395-2292
Webb, Doyle R	528 S 5 th St Jal, NM 88252	575-395-2225
Montez, Alfred	529 S 5 th St Jal, NM 88252	No Phone information available
Hicks, William L	601 S 5 th St Jal, NM 88252	No Phone information available
Hernandez, Tito P Sr	603 S 5 th St Jal, NM 88252	575-395-2074
Aguero, Christopher	605 S 5 th St Jal, NM 88252	575-395-2155
Juarez, Andres	607 S 5 th St Jal, NM 88252	575-392-4050
Ragain, Leroy W	608 S 5 th St Jal, NM 88252	575-395-3179
Castillo, Socorro O	609 S 5 th St Jal, NM 88252	505-508-0469
Alexander, Enola Gaye	610 S 5 th St Jal, NM 88252	575-395-3165
StJohn, Roger	611 S 5 th St Jal, NM 88252	575-395-9931
Ortega, Gumercindo	614 S 5 th St Jal, NM 88252	505-395-2004
Pender, Jackie	615 S 5 th St Jal, NM 88252	No Phone information available
Kristi Hennessey Group Inc	616 S 5 th St Jal, NM 88252	No Phone information available
Ramos, Jacob	619 S 5 th St Jal, NM 88252	806-220-2885
Saenz, Armando	636 S 5 th St Jal, NM 88252	575-395-2667
St Cecilia Parish Inc	500 S 6 th St Jal, NM 88252	575-395-2431
Boehm, Randy J	501 S 6 th St Jal, NM 88252	No Phone information available
Taylor, Barbara J	505 S 6 th St Jal, NM 88252	No Phone information available
Newman, Amelia Kay	510 S 6 th St Jal, NM 88252	No Phone information available

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100 ppm ROE (Continued)		
O'Neal, Larry Dewayne	512 S 6 th St Jal, NM 88252	575-395-2091
Thompson, Tommy	521 S 6 th St Jal, NM 88252	806-656-0168
Langston, Vera Haning	524 S 6 th St Jal, NM 88252	575-395-2768
Henderson, Richard D	525 S 6 th St Jal, NM 88252	575-395-2702
Thompson, Steven	526 S 6 th St Jal, NM 88252	575-395-2341
Syron, Derek	529 S 6 th St Jal, NM 88252	575-395-2361
Sandvig, Scott Edward	530 S 6 th St Jal, NM 88252	575-395-2906
Beckham, Keith	534 S 6 th St Jal, NM 88252	575-395-2270
Armendaris, Roberto N	537 S 6 th St Jal, NM 88252	No Phone information available
Beckham, Keith	538 S 6 th St Jal, NM 88252	575-395-2270
Bentle, Billy L	601 S 6 th St Jal, NM 88252	575-395-2919
Carrillo, Jose Manuel	602 S 6 th St Jal, NM 88252	No Phone information available
Blake, Curtis O	603 S 6 th St Jal, NM 88252	No Phone information available
Green, Christopher H	604 S 6 th St Jal, NM 88252	575-395-2712
Mendez, Rosalinda	605 S 6 th St Jal, NM 88252	575-395-3513
Aldridge, Stephen	606 S 6 th St Jal, NM 88252	575-395-3315
Rodriguez, Victor G	607 S 6 th St Jal, NM 88252	817-645-7968
Hernandez, Cynthia	608 S 6 th St Jal, NM 88252	No Phone information available
Samaniego, Jimmy	609 S 6 th St Jal, NM 88252	575-395-2945
Vargas, Velia Velasquez	610 S 6 th St Jal, NM 88252	No Phone information available
Lujan, Dulces N	611 S 6 th St Jal, NM 88252	No Phone information available
Hill, William E Jr (Eddie)	612 S 6 th St Jal, NM 88252	575-395-2737

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100 ppm ROE (Continued)		
Douglas, William C	613 S 6 th St Jal, NM 88252	No Phone information available
Jamison, Skylar Chase	614 S 6 th St Jal, NM 88252	No Phone information available
Abeyta, Fonzy J	615 S 6 th St Jal, NM 88252	575-395-3294
Chance, Ben H	616 S 6 th St Jal, NM 88252	575-395-3240
Ramos, Ruben M	617 S 6 th St Jal, NM 88252	575-395-2368
Snider, Elsie F	618 S 6 th St Jal, NM 88252	No Phone information available
Abeyta, Susie	619 S 6 th St Jal, NM 88252	575-395-3294
Jimenez, Edgar M	620 S 6 th St Jal, NM 88252	575-395-3450
Cooper, W K	601 W California Ave Jal, NM 88252	575-395-3030
Jal Playground	206-298 W California Ave Jal, NM 88252	575-395-3340
May, Andrea L	109 W Merryman Dr Jal, NM 88252	No Phone information available
Melancon, Henry B	207 W Merryman Dr Jal, NM 88252	575-395-2663
Juarez, Humberto	322 W Minnesota Ave Jal, NM 88252	575-395-3148
Thompson, Danny	400 W Minnesota Ave Jal, NM 88252	505-395-2002
Brame, Dorothy M	519 W Minnesota Ave Jal, NM 88252	575-395-2245
Savoie, John A	622 W Minnesota Ave Jal, NM 88252	575-395-3336
Salazar, Mary	821 W Minnesota Ave Jal, NM 88252	No Phone information available
EOG Resources Inc	900-1200 S 3 rd St Jal, NM 88252	575-395-2213
Jal Waste Water Treatment Plant	W Missouri Ave Jal, NM 88252	575-395-2393
Hiebert, Matt R	500 S 7 th St Jal, NM 88252	575-395-2904
Post, David Allen	501 S 7 th St Jal, NM 88252	432-523-3984
Harrison, Doug W	503 S 7 th St Jal, NM 88252	575-395-2494

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100 ppm ROE (Continued)		
Pagen, Roy Lee	516 S 7 th St Jal, NM 88252	No Phone information available
Doom, Jo Ann H	520 S 7 th St Jal, NM 88252	575-395-2825
Beckham, Brad	523 S 7 th St Jal, NM 88252	575-395-3230
Winn, Robert W	524 S 7 th St Jal, NM 88252	575-395-2128
Estrada, Jennifer Grace	529 S 7 th St Jal, NM 88252	575-395-9947
Belcher, Jackie L	530 S 7 th St Jal, NM 88252	No Phone information available
Allen, John D	536 S 7 th St Jal, NM 88252	575-395-2624
Pearce, Mike R	537 S 7 th St Jal, NM 88252	575-395-2420
Luttrell, Ashley Orene	601 S 7 th St Jal, NM 88252	575-942-3199
Powell, Keith	602 S 7 th St Jal, NM 88252	No Phone information available
Kelley, Louella	603 S 7 th St Jal, NM 88252	No Phone information available
Gallegos, Marcos	604 S 7 th St Jal, NM 88252	No Phone information available
Ibarra, Candelario	605 S 7 th St Jal, NM 88252	No Phone information available
Gallaway, Misty	606 S 7 th St Jal, NM 88252	No Phone information available
Cervantes, Bertha	607 S 7 th St Jal, NM 88252	No Phone information available
Walls, Gayland L	608 S 7 th St Jal, NM 88252	575-395-3103
Verschueren, Ron D	609 S 7 th St Jal, NM 88252	575-395-3422
Ramirez, Eutimio	610 S 7 th St Jal, NM 88252	505-395-2710
Lemmons, Danny C	611 S 7 th St Jal, NM 88252	785-448-6287
Portillo, Felipe Gallegos	612 S 7 th St Jal, NM 88252	No Phone information available
Juarez, Abel	613 S 7 th St Jal, NM 88252	575-395-2107
Abeyta, Fonzy J	614 S 7 th St Jal, NM 88252	575-395-3294

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SCM - Ameredev South H₂S Contingency Plan	Revised:	April 19, 2019

RECEPTOR NAME	ADDRESS/LOCATION	PHONE NUMBER
100 ppm ROE (Continued)		
Anderson, Stacy	615 S 7 th St Jal, NM 88252	No Phone information available
Little, Richard D	616 S 7 th St Jal, NM 88252	575-395-3325
New, Carolyn	617 S 7 th St Jal, NM 88252	No Phone information available
Kimball, Bobby	618 S 7 th St Jal, NM 88252	No Phone information available
Kelley, Louella	619 S 7 th St Jal, NM 88252	No Phone information available
Snider, Elsie F	620 S 7 th St Jal, NM 88252	No Phone information available
Lewallen, Bill C	604 S 8 th St Jal, NM 88252	575-395-2028
Jennings, James D	606 S 8 th St Jal, NM 88252	575-395-2369
Lujan, Andres	608 S 8 th St Jal, NM 88252	No Phone information available
Hammons, David L	610 S 8 th St Jal, NM 88252	575-395-3327
Salinas, Jesusita O	612 S 8 th St Jal, NM 88252	575-395-3242
Green, Don W	614 S 8 th St Jal, NM 88252	575-395-3251
Monarrez, Elisa	619 S 8 th St Jal, NM 88252	No Phone information available
Jal Hospital District	703 W Minnesota Ave Jal, NM 88252	---
Cooper, Wilmer K/ Cooper, Patsy A	1104 Mesquite Dr Jal, NM 88252	575-395-3030
Hosking, John W	802 S 3 rd St Jal, NM 88252	575-395-3579
Goldstein, Sandra J	807 S 3 rd St Jal, NM 88252	No Phone information available
H&P Rv Park	569-581 S 3 rd St Jal, NM 88252	No Phone information available
Presbyterian Church	708 S 4 th St Jal, NM 88252	No Phone information available
MC Bee, Thomas A	711 S 4 th St Jal, NM 88252	No Phone information available
Estrada, Juan	723 S 4 th St Jal, NM 88252	575-395-2818
Assembly of God Church	724 S 4 th St Jal, NM 88252	575-395-2143

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RECEPTOR NAME	ADDRESS/LOCATION	PHONE NUMBER
100 ppm ROE (Continued)		
Branin, Edna M	734 S 4 th St Jal, NM 88252	575-395-3247
Ely, Steve S	800 S 4 th St Jal, NM 88252	No Phone information available
Fulfer, Perry M	801 S 4 th St Jal, NM 88252	575-395-2634
Montez, Mary	805 S 4 th St Jal, NM 88252	No Phone information available
Carrell, Donald L	808 S 4 th St Jal, NM 88252	575-395-2041
Cole, Victor	809 S 4 th St Jal, NM 88252	No Phone information available
Tavarez, Luis	813 S 4 th St Jal, NM 88252	No Phone information available
Baeza, Joaquin	814 S 4 th St Jal, NM 88252	575-395-3464
Lizarraga, Adrian C	816 S 4 th St Jal, NM 88252	No Phone information available
Snow, James D	817 S 4 th St Jal, NM 88252	No Phone information available
Baeza, Joaquin	820 S 4 th St Jal, NM 88252	575-395-3464
Parker, Kenneth J	821 S 4 th St Jal, NM 88252	575-395-2718
Amaro, Reynaldo	822 S 4 th St Jal, NM 88252	No Phone information available
Adams, James A	825 S 4 th St Jal, NM 88252	505-395-2069
Thompson, Tommy	722 S 5 th St Jal, NM 88252	806-656-0168
Rodriguez, Melissa	740 S 5 th St Jal, NM 88252	No Phone information available
Jal Elementary School	301 W Minnesota Ave Jal, NM 88252	505-395-2101
Crawford, Jaqueta A	701 W Minnesota Ave Jal, NM 88252	No Phone information available
Merryman, John C (Jake)	801 Iowa St Jal, NM 88252	575-395-2688
Swain, George A	802 Iowa St Jal, NM 88252	575-395-2661
Acosta, Elizabeth	803 Iowa St Jal, NM 88252	432-218-6331
Fuller, Donnie June	804 Iowa St Jal, NM 88252	575-395-2610

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
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RECEPTOR NAME	ADDRESS/LOCATION	PHONE NUMBER
100 ppm ROE (Continued)		
Frankfather, Larry R	805 Iowa St Jal, NM 88252	575-395-2774
Ellison, Jimmie L	806 Iowa St Jal, NM 88252	575-395-2266
Seifts, Frederick C	807 Iowa St Jal, NM 88252	575-395-2237
Crawford, Russell D	808 Iowa St Jal, NM 88252	575-395-2805
Crawford, Russell D	816 Iowa St Jal, NM 88252	575-395-2805
Miller, Ricky D	701 W Easy St Jal, NM 88252	575-395-2094
Shelton, Helen M	702 W Easy St Jal, NM 88252	575-395-2234
Loftis, Dustin Cody	703 W Easy St Jal, NM 88252	No Phone information available
Herrera, Gregory	704 W Easy St Jal, NM 88252	575-395-2782
Seifts, Frederick C	705 W Easy St Jal, NM 88252	575-395-2237
Tipton, Gary Wayne Jr	706 W Easy St Jal, NM 88252	505-395-3210
Myers, Michael E/ Camunez, Nidia S	707 W Easy St Jal, NM 88252	432-247-5941
Ballenger, Tommie R	708 W Easy St Jal, NM 88252	No Phone information available
Bayes, Gail	710 W Easy St Jal, NM 88252	No Phone information available
Parker, Kenneth J	602 W Minnesota Ave Jal, NM 88252	575-395-2718
Valeriano, Jose	604 W Minnesota Ave Jal, NM 88252	No Phone information available
Moya, Trey	606 W Minnesota Ave Jal, NM 88252	No Phone information available
Howell, Krisana U	608 W Minnesota Ave Jal, NM 88252	No Phone information available
Zavala, Mario F	610 W Minnesota Ave Jal, NM 88252	575-395-7009
Zavala, Mario F	612 W Minnesota Ave Jal, NM 88252	575-395-7009
Foutz, Steve E	614 W Minnesota Ave Jal, NM 88252	505-632-0116
Messimer, Kyle D	616 W Minnesota Ave Jal, NM 88252	575-395-2887

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
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RECEPTOR NAME	ADDRESS/LOCATION	PHONE NUMBER
100 ppm ROE (Continued)		
Armstrong, Wanliss E II	618 W Minnesota Ave Jal, NM 88252	575-395-3284

SCM LLC INTERNAL NOTIFICATIONS

NAME	TITLE	CMT ROLE	OFFICE	CELL
Reagan Register	Field Operations Manager	Safety Officer		432-250-5888
Mike Liebelt	Director of Operations	Senior Advisors	432-247-3245	307-231-6021
Reagan Register	Field Manager	Information Officer		432-250-5888
Randy Lewis	PSM Coordinator	Senior Liaison Officer		832-593-2563
Robert Sarellano	Technical Services Manager	Legal Officer		832-593-2580
Lynn Windham	Lead Operator	Operations Section		832-593-2508
Porfirio Zamora	Lead Operator	Operations Section		832-593-2086
Colvin Robinson	Lead Operator	Operations Section		832-593-1274
Timothy Grable	Lead Operator	Operations Section		832-593-2346

EMERGENCY RESPONDERS

AGENCY	PHONE NUMBER
Emergency Dispatch	911
Jal Fire Department	(575) 395-2221
Jal Police Department	(575) 395-2501
Lea County Sheriff's Office	(575) 396-3611
City of Jal Ambulance Service	(575) 441-2251
New Mexico State Police (Hobbs)	(575) 885-3138
Lea Regional Medical Center	(575) 492-5000
New Mexico Poison Control	(800) 222-1222

COUNTY, LOCAL, AND PUBLIC EMERGENCY AGENCIES

AGENCY	PHONE NUMBER
Oil Conservation Division Santa Fe Office District 1 Office – Lea County	(505) 476-3440 (575) 370-3186
Local Emergency Planning Committee (LEPC) Lea Emergency Planning Committee	(575) 391-2983 (432) 940-7934 (432) 527-8856

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
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Loving County LEPC ³ Winkler County LEPC ³	
State Emergency Response Commission (SERC) NM Department of Homeland Security & Emergency Management	(505) 476-9600
National Response Center (NRC)	(800) 424-8802
NM Environmental Department (NMED)	(505) 827-9329
NM Bureau of Land Management (BLM) (Hobbs Field Station)	(575) 234-5989

³ Enercon spoke to TxRRC Midland District Coordinator, Tom Fouts, who stated that if no public receptors or roadblock locations are within TX ROE, include TX county LEPC's on contact list for emergency plan activation; however, TxRRC has no jurisdiction. This applies to Loving and Winkler County LEPCs.

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**APPENDIX B
PLAN DISTRIBUTION LIST**

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
	Title:	H2S Contingency Plan
SCM - Ameredev South H₂S Contingency Plan	Revised:	April 19, 2019

APPENDIX B

H₂S Plan Distribution List

Intended Recipient	Mailing Address
SCM Pecos Operations Control Room	1369 I-20 Pecos, TX 79772
SCM Midland Facility	6 Desta Drive, Suite 6400 Midland, TX 79706
SCM, LLC Houston Office	20329 St. Hwy. 249, Ste. 450 Houston, TX 77070
Lea County LEPC/Emergency Manager	1019 E. Bender Road Hobbs, NM 88260
NM SERC - Department of Homeland Security & Emergency Management (DHSEM)	PO Box 27111 Santa Fe, NM 87502
NM OCD (Santa Fe Office)	1220 South St. Francis Dr. Santa Fe, NM 87505
NM OCD (District 1)	1625 N. French Drive Hobbs, NM 88240
TX Railroad Commission (Midland District Office)	Tom Fouts 10 Desta Dr., Suite 500 E Midland, TX 79705
Ameredev South Operations Manager vehicles	

*Note: Lea County LEPC Emergency Manager will make and send copies of this plan to appropriate entities within his jurisdiction, including the local responding Police and Fire Departments.

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	Title:	H2S Contingency Plan
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APPENDIX C
ROE CALCULATIONS

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
	Title:	H2S Contingency Plan
SCM - Ameredev South H₂S Contingency Plan	Revised:	April 19, 2019

Radius of Exposure Calculations Template

Enter H2S mole percent	Mole Percent	ppm	
	2	20,000	
<p>The radius of exposure is calculated using the following equations 100 ppm ROE calculation (as per 19 NMAC 15.11.7.K.1) $X_{100\text{ppm}} = [(1.589)(\text{Conc}_{\text{H}_2\text{S}})(Q)]^{0.6258}$ 500 ppm ROE calculation (as per 19 NMAC 15.11.7.K.1) $X_{500\text{ppm}} = [(1.589)(\text{Conc}_{\text{H}_2\text{S}})(Q)]^{0.6258}$</p>			
<p>Where: X = Radius of Exposure (ft) Conc_{H₂S} = the decimal equivalent of the mole or volume fraction of H₂S in the gas Q = daily plant throughput corrected to standard conditions (SCFD)</p>			
Emissions Parameters:			
Q =	200 MMCFD	200000 MSCFD	
Conc _{H₂S} =	20000 ppm		
ROE Calculation:			
X _{100ppm} =	(1.589*H ₂ S (ppm)*(Q(MSCFD)/1000))^0.6258		
X _{100ppm} =	18,089.75	(feet)	3.4 (miles)
X _{500ppm} =	(0.4546*H ₂ S (ppm)*(Q(MSCFD)/1000))^0.6258		
X _{500ppm} =	8,266.35	(feet)	1.6 (miles)

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
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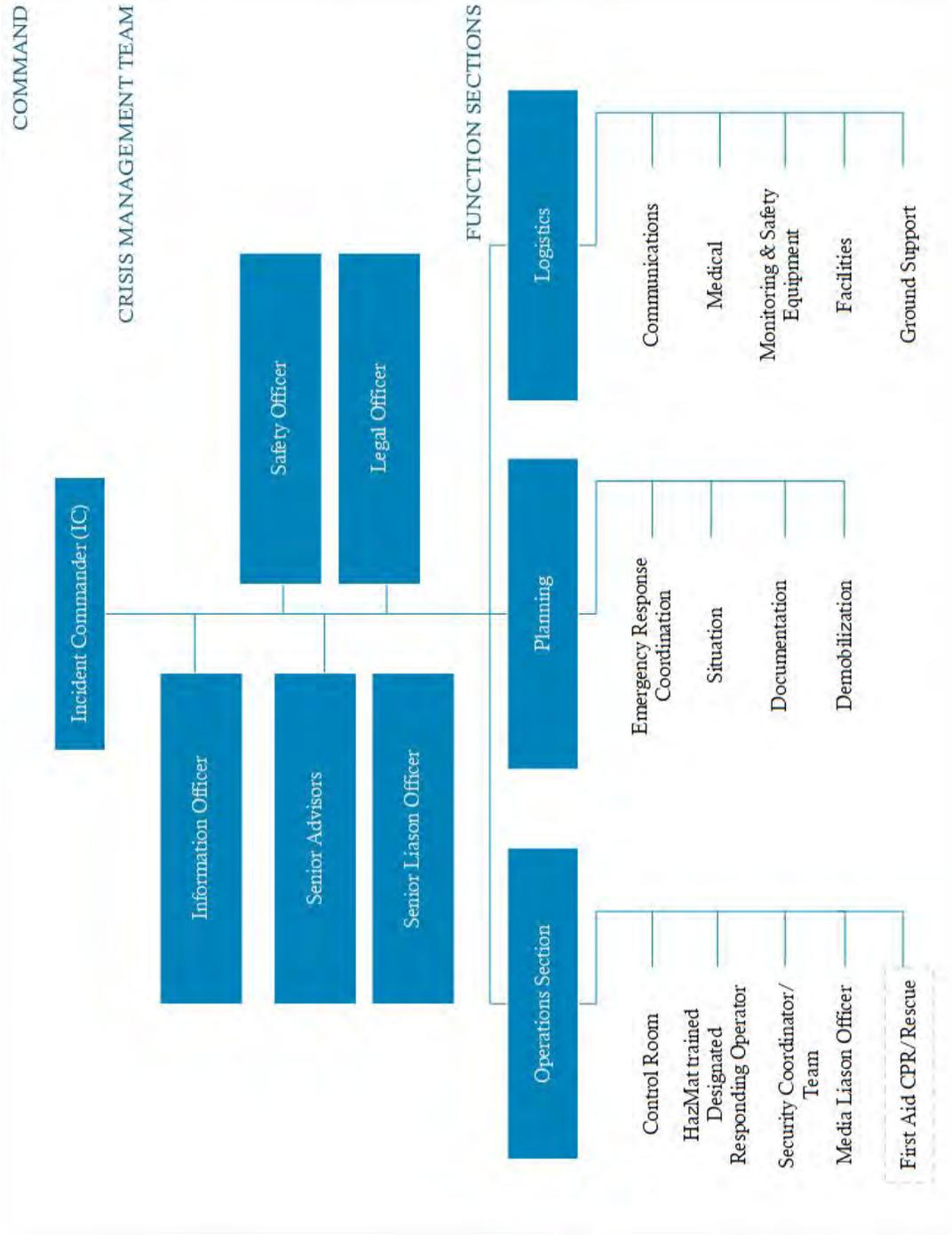
APPENDIX D
SCM ICS CHAIN OF COMMAND



SALT CREEK MIDSTREAM

Number:	H2S Contingency Plan
Title:	H2S Contingency Plan
Revised:	April 19, 2019

SCM - Ameredev South H₂S Contingency Plan



 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
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APPENDIX E
RECORD OF EVENTS LOG

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
	Title:	H2S Contingency Plan
SCM - Ameredev South H₂S Contingency Plan	Revised:	April 19, 2019

APPENDIX F
IMMEDIATE ACTION PLAN CHECKLIST

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
	Title:	H2S Contingency Plan
SCM - Ameredev South H₂S Contingency Plan	Revised:	April 19, 2019

Level 1 Plan Activation	
Activating Conditions:	
<ul style="list-style-type: none"> H₂S Concentration of greater than or equal to 10 ppm detected at any fixed or personal monitors 	
Visible and Audible Alarms:	
<ul style="list-style-type: none"> Flashing yellow beacons Intermittent horn 	
Level 1 Procedures:	
	Initial Plan Activation:
	1. Evacuate the affected area and notify the Control Room (either by fixed monitor alarms or internal communication)
	2. Designated responding operators* will don a full-face respirator with specialized cartridges for H ₂ S and investigate the scene (are handheld monitors verifying concentrations ≥ 10 ppm H ₂ S?). <ul style="list-style-type: none"> Responding Operator will assist any personnel in distress, as needed
	3. Upon H ₂ S concentration verification, the Control Room will sound the Level 1 Plan Activation alarm and notify the Incident Commander
	4. All facility personnel will report to the designated Level 1 Emergency Assembly areas; and a facility-wide head-count will be conducted
	Immediate Measures that will be conducted congruently with the above items:
	1. Incident Commander or designee will take control of the Emergency Response coordination
	2. Emergency shutdown procedures will be initiated, as deemed necessary by the IC
	3. The Control Room operator will monitor alarms, affected processes, and H ₂ S concentrations and communicate with responding operator(s) and the IC
	Emergency Response Actions:
	4. If Emergency Shutdown Devices/Procedures are activated: STOP, Initiate Level 2 Plan activation
	5. If any perimeter monitor is alarming at greater than or equal to 30 ppm H ₂ S: <ul style="list-style-type: none"> Notify all residences, entities, and public areas within the 500 ppm ROE and advise instructions on evacuations, shelter-in-place, etc. Notify local emergency responders, and make recommendations on assistance in public road blocks, evacuations, shelter-in-place, etc. IC will initiate SCM internal chain of command Roadblocks will be set up, according to IC instruction, and as deemed necessary by the IC
	6. If any Emergency Assembly area or implemented road block monitor alarms at 10 ppm or greater H ₂ S: <ul style="list-style-type: none"> Facility personnel in the Control Room will don an SCBA and continue to respond/monitor the release The affected assembly area will evacuate to the next closest Emergency Assembly area A facility-wide head count will be re-conducted
	7. Responding Operators* will investigate the source of the release and take corrective action, as able, to stop and/or abate the release
	8. If ambient air H ₂ S concentrations are below 10 ppm, the corrective action was successful, and the follow items are to be completed: <ul style="list-style-type: none"> IC will give the facility the 'All Clear' Personnel can return to work Notify outside parties of the 'All Clear' Notify the OCD within four (4) hours of plan activation

*Responding operators will re-enter in 15-minute shifts at the direction of the IC until the problem is resolved.

If corrective actions are not successful and ambient air concentrations do not go below 10 ppm H₂S: **Activate Emergency Shutdown of effected equipment and/or processes AND initiate Level 2 Plan activation**

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
	Title:	H2S Contingency Plan
SCM - Ameredev South H₂S Contingency Plan	Revised:	April 19, 2019

Level 2 Plan Activation	
Activating Conditions:	
<ul style="list-style-type: none"> • Corrective actions at Level 1 are unsuccessful; • H₂S Concentration of greater than or equal to 90 ppm, but less than 100 ppm, detected at any fixed or personal monitors; or • Emergency shutdown is activated or IC elevates the plan level 	
Visible and Audible Alarms:	
<ul style="list-style-type: none"> • Flashing yellow beacons • Continuous horn 	
Level 2 Procedures:	
	Initial Plan Activation:
	1. Evacuate the affected area and notify the Control Room (either by fixed monitor alarms or internal communication)
	2. Designated responding operators* will don a full SCBA with service life of thirty (30) minutes and investigate the scene (are handheld monitors verifying concentrations >90 ppm H ₂ S?)
	a. Responding Operator will assist any personnel in distress, as needed
	3. Upon H ₂ S concentration verification, the Control Room will sound the Level 2 Plan Activation alarm and notify the Incident Commander (IC)
	4. All facility personnel will report to the designated Level 2 Emergency Assembly areas; and a facility-wide head-count will be conducted
	Immediate Measures that will be conducted congruently with the above items:
	1. IC or designee will take control of the Emergency Response coordination
	2. Emergency shutdown procedures will be initiated, as deemed necessary by the IC
	3. The Control Room operator will monitor alarms, affected processes, and H ₂ S concentrations and communicate with responding operator(s) and the IC
	4. IC will initiate internal chain of command reporting
	Emergency Response Actions:
	5. If Emergency Shutdown Devices/Procedures are activated: STOP, Initiate Level 3 Plan activation
	6. If any monitor within the fenced AGI Well site is alarming at greater than or equal to 90 ppm H ₂ S, follow emergency shutdown procedures for shutdown of the AGI compressor
	7. If any perimeter monitor is alarming at greater than or equal to 30 ppm H ₂ S:
	a. Notify all residences, entities, and public areas within the 500 ppm ROE and advise instructions on evacuations, shelter-in-place, etc.
	b. Notify local emergency responders, and make recommendations on assistance in public road blocks, evacuations, shelter-in-place, etc.
	c. Notify appropriate governing agencies, if deemed necessary by IC
	d. Dispatch personnel to set up designated Level 2 roadblocks
	8. If any Emergency Assembly area or implemented road block monitor alarms at 10 ppm or greater H ₂ S:
	a. For Emergency Assembly areas:
	i. Facility personnel in the Control Room will don an SCBA and continue to respond/monitor the release
	ii. The affected assembly area will evacuate to the next closest Emergency Assembly area
	iii. A facility-wide head count will be re-conducted
	b. For Roadblocks:
	iv. Notify all entities and individuals within the 500 ROE and advise instructions on evacuations, shelter-in-place, etc.
	v. Update Local Emergency Responders on the status
	vi. Notify state and government agencies, as required
	9. Responding operators* will investigate the source of the release and take corrective action, as able, to stop and/or abate the release
	10. If ambient air H ₂ S concentrations are below 10 ppm, the corrective action was successful, and the following items are to be completed:
	a. IC will give the facility the 'All Clear'
	b. Personnel can return to work
	c. Notify outside parties of the 'All Clear'
	d. Notify the OCD within four (4) hours of plan activation

*Responding operators will re-enter in 15 minute shifts at the direction of the IC until the problem is resolved.

If corrective actions are not successful and ambient air concentrations do not go below 10 ppm H₂S: **Initiate Level 3 Plan activation**



SALT CREEK MIDSTREAM

	Number:	H2S Contingency Plan
	Title:	H2S Contingency Plan
SCM - Amerdev South H₂S Contingency Plan	Revised:	April 19, 2019

Level 3 Plan Activation	
Activating Conditions:	
<ul style="list-style-type: none"> • Corrective actions at Level 2 are unsuccessful; • H2S Concentration of greater than or equal to 100 ppm detected at any fixed or personal monitors; • H2S Concentration of greater than or equal to 10 ppm detected Level 2 Emergency Assembly areas and/or designated roadblocks; • A catastrophic release, fire, or explosion; • A flare-out during a Level 2 emergency occurs; • Emergency shutdown is activated or IC elevates the plan level; • A continuous release of maximum volume for 24 hours occurs; or • H2S concentration of greater than or equal to 100 ppm at any public area, H2S concentrations greater than or equal to 500 ppm at any public road, or H2S concentrations at greater than or equal to 100 ppm at a distance greater than 3,000 feet from the site release. 	
Visible and Audible Alarms:	
<ul style="list-style-type: none"> • Flashing yellow beacons • Continuous horn 	
Level 3 Procedures:	
Initial Plan Activation:	
1.	Evacuate the affected area and notify the Control Room (either by fixed monitor alarms or internal communication)
2.	Designated responding operators* will don a full SCBA with service life of thirty (30) minutes and investigate the scene <ul style="list-style-type: none"> a. Responding Operator will assist any personnel in distress, as needed
3.	Upon H2S concentration verification, the Control Room will sound the Level 3 Plan Activation alarm and notify the Incident Commander (IC)
4.	All facility personnel will report to the designated Level 3 Emergency Assembly areas; and a facility-wide head-count will be conducted
Immediate Measures that will be conducted congruently with the above items:	
1.	IC or designee will take control of the Emergency Response coordination
2.	Emergency shutdown procedures will be initiated to correct or control the specific situation
3.	The Control Room operator will monitor alarms, affected processes, and H2S concentrations and communicate with responding operator(s) and the IC
4.	IC will initiate internal chain of command reporting
Emergency Response Actions:	
5.	IC will ensure proper notifications are made: <ul style="list-style-type: none"> a. Notify all entities and individuals within the 100 ppm ROE of release and advise instructions on evacuation, shelter-in-place, etc. b. Notify local emergency responders, and make recommendations on assistance in public road blocks, evacuations, shelter-in-place, etc. c. Notify appropriate governing agencies d. Dispatch personnel to set up designated Level 3 roadblocks
6.	If any Emergency Assembly area or implemented road block monitor alarms at 10 ppm or greater H2S: <ul style="list-style-type: none"> a. For Emergency Assembly areas: <ul style="list-style-type: none"> i. Facility personnel in the Control Room will don an SCBA and continue to respond/monitor the release ii. The affected assembly area will evacuate to the next closest Emergency Assembly area iii. A facility-wide head count will be re-conducted b. For Roadblocks: <ul style="list-style-type: none"> i. Notify/Update all entities and individuals within the 100 ROE and advise instructions on evacuations, shelter-in-place, etc. ii. Update Local Emergency Responders on the status iii. Update state and government agencies
7.	Responding Operators* will investigate the source of the release and take corrective action, as able, to stop and/or abate the release
8.	If ambient air H2S concentrations are below 10 ppm, the corrective action was successful, and the following items are to be completed: <ul style="list-style-type: none"> a. IC will give the facility the "All Clear" b. Personnel can return to work c. Notify outside parties of the "All Clear" d. Notify the OCD within four (4) hours of plan activation

*Responding operators will re-enter in 15-minute shifts at the direction of the IC until the problem is resolved.

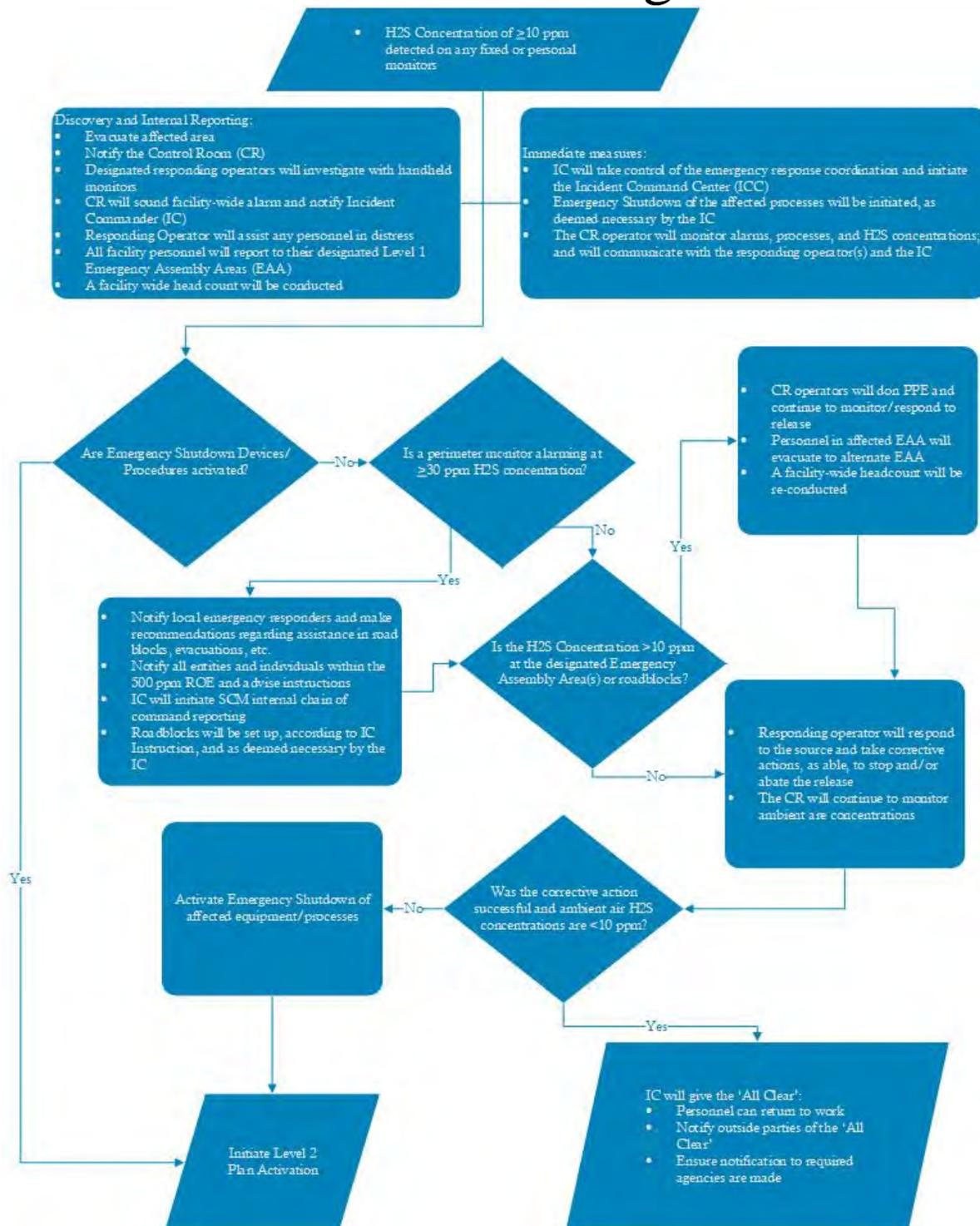
If corrective actions are not successful, the facility will continue to work with emergency responders to control and/or abate the release until item 8 is reached.

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
	Title:	H2S Contingency Plan
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APPENDIX G
IMMEDIATE ACTION PLAN FLOW DIAGRAM

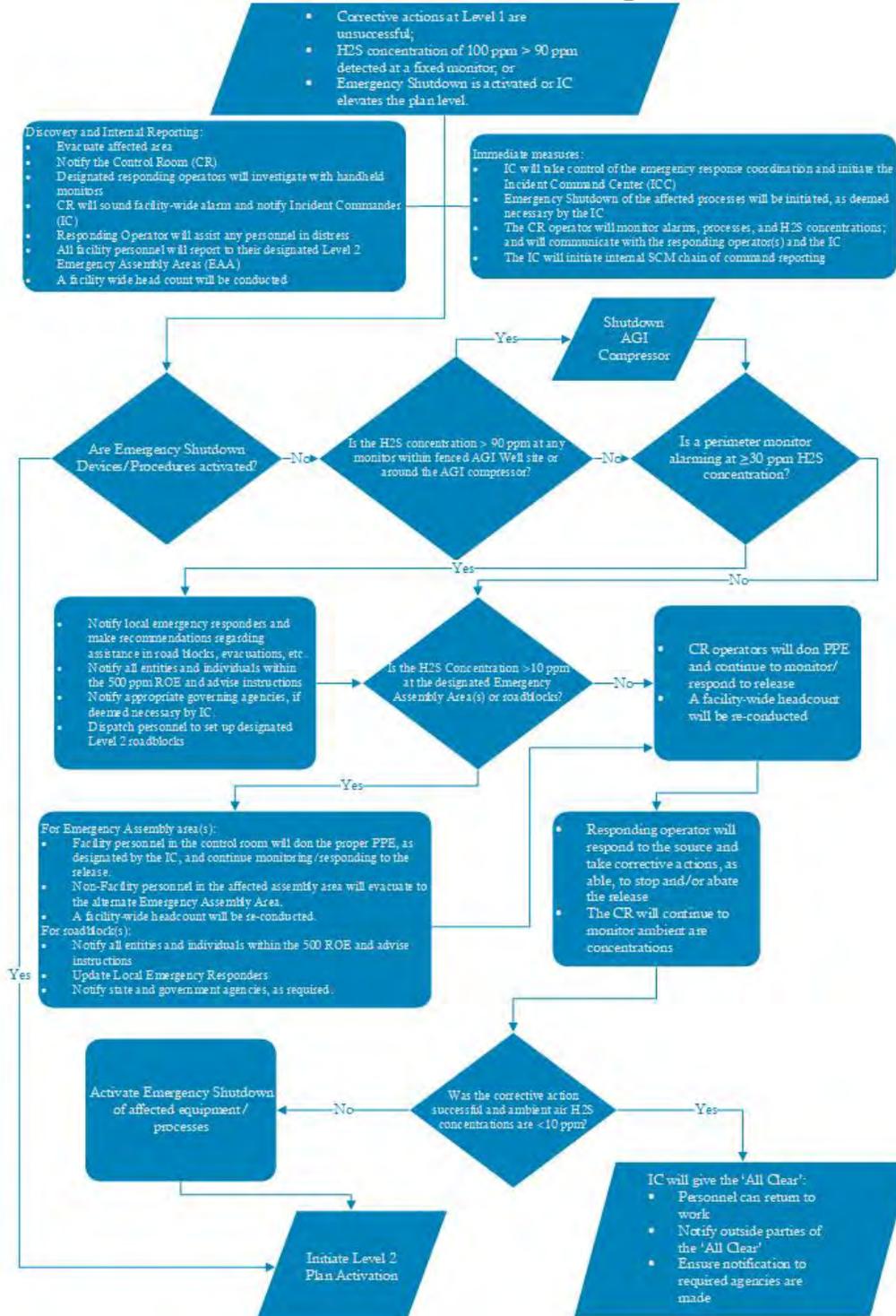
 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
	Title:	H2S Contingency Plan
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Level 1 Flow Diagram



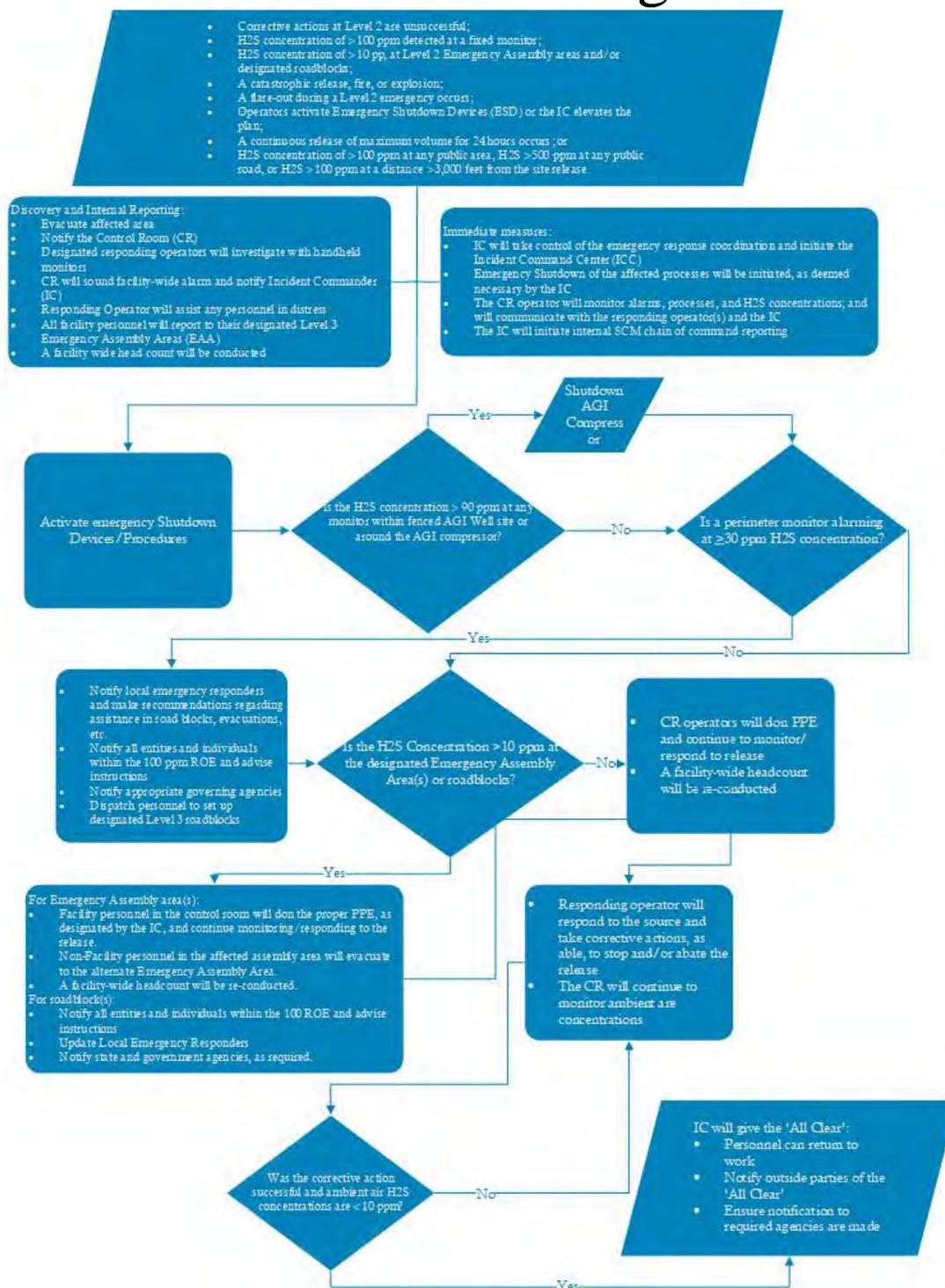
 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
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Level 2 Flow Diagram



 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
	Title:	H2S Contingency Plan
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Level 3 Flow Diagram



 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
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**APPENDIX H
REPORTING/REGULATORY FORMS**

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
	Title:	H2S Contingency Plan
SCM - Ameredev South H₂S Contingency Plan	Revised:	April 19, 2019

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
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Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B, (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: _____ Title: _____ Signature: _____ Date: _____ email: _____ Telephone: _____
<u>OCD Only</u> Received by: _____ Date: _____

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
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Page 3

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved
 Approved with Attached Conditions of Approval
 Denied
 Deferral Approved

Signature: _____ Date: _____

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Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

<p>Closure Report Attachment Checklist: <i>Each of the following items must be included in the closure report.</i></p> <p><input type="checkbox"/> A scaled site and sampling diagram as described in 19.15.29.11 NMAC</p> <p><input type="checkbox"/> Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)</p> <p><input type="checkbox"/> Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)</p> <p><input type="checkbox"/> Description of remediation activities</p>

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____
Signature: _____ Date: _____
email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____
Printed Name: _____ Title: _____

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APPENDIX I
SECURITY DAILY LOG-IN SHEET

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APPENDIX J
TRAINING DOCUMENTATION

	Number:	H2S Contingency Plan
	Title:	H2S Contingency Plan
SCM - Ameredev South H ₂ S Contingency Plan	Revised:	April 19, 2019

APPENDIX J

H₂S Training Schedule Documentation

Scheduled Training Date	Scheduled Topics	Scheduled Employee Group
Initial and Annual thereafter	H ₂ S Awareness	Field Operators, service team, Operations Manager, and Control Room operators
Initial	H ₂ S and Material Selection	Operations Manager
Initial and Annual thereafter	Corrective Actions	Operations Manager
Initial and Annual thereafter	Shutdown Procedures	Field Operators, Operations Manager, and Control Room operators
Initial and Annual thereafter	Plant Overview Orientation	All visitors and contractors
Annual	Advanced Briefings of Public and Public Officials	Public Receptors within the 500 and 100 ppm ROE and Public Officials
Annual	Tabletop Drill	Public receptors and entities within the 500 and 100 ppm ROE and Local Emergency Responders

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APPENDIX K
AGI WELL SCHEMATICS



SALT CREEK MIDSTREAM

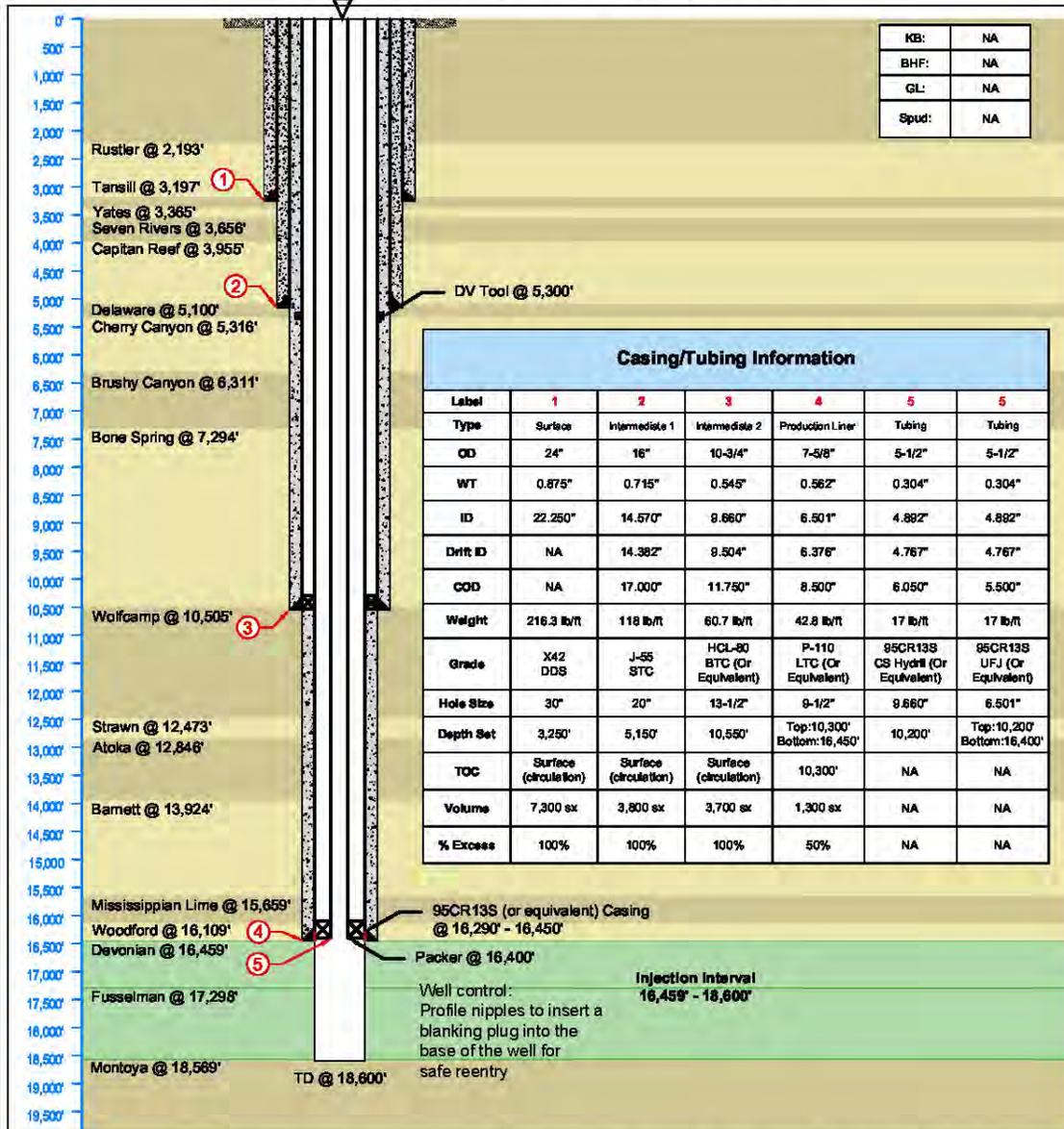
Number: H2S Contingency Plan

Title: H2S Contingency Plan

SCM - Amerdev South H2S Contingency Plan

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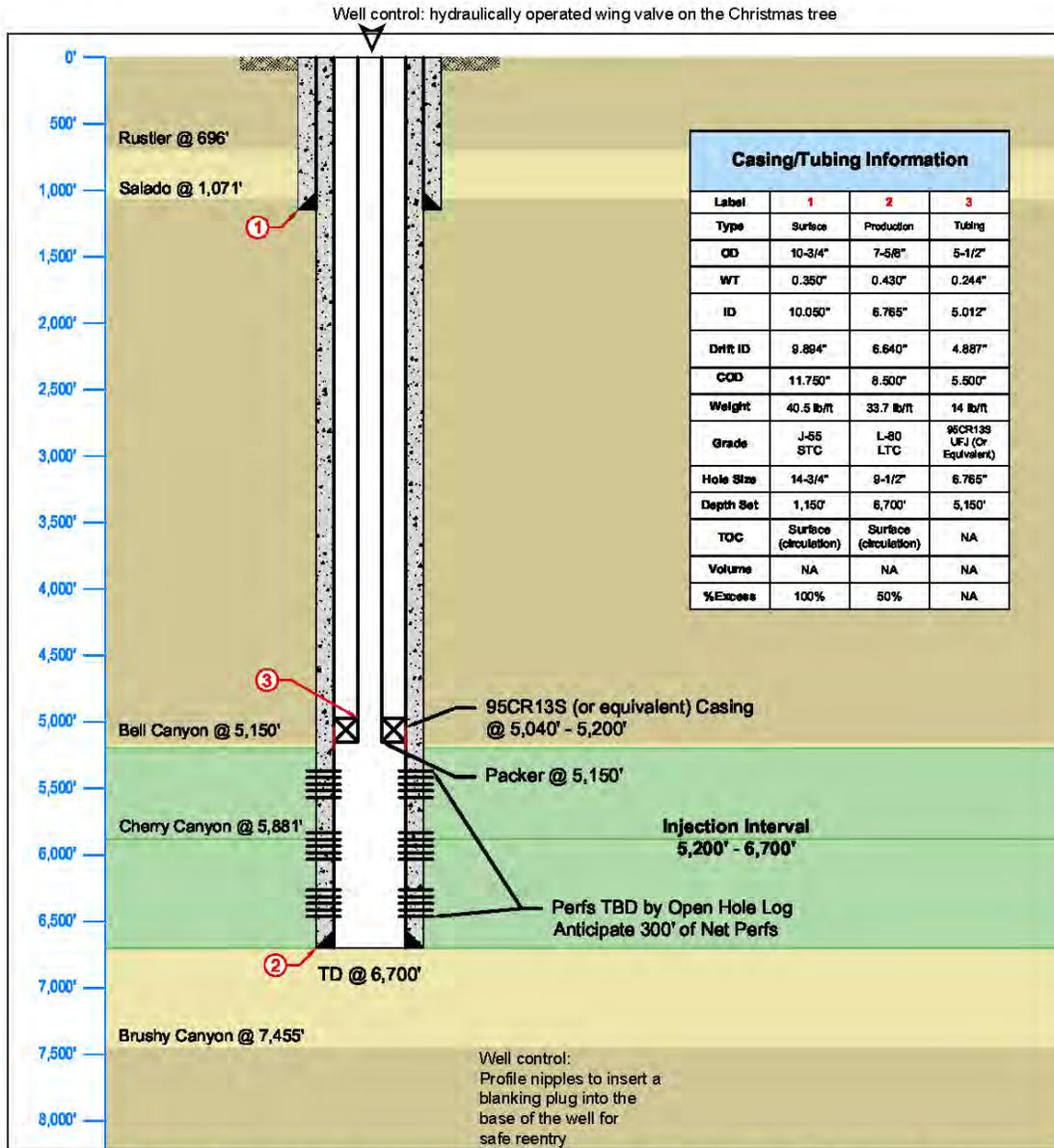
Well control: hydraulically operated wing valve on the Christmas tree



LONQUIST & CO. LLC PETROLEUM ENGINEERS ENERGY ADVISORS HOUSTON CALGARY AUSTIN WICHITA DENVER Texas License F-9147 12812 Hill Country Blvd. Ste F-200 Austin, Texas 78738 Tel: 512.732.9812 Fax: 512.732.9818	Salt Creek Midstream		Leavenworth AGI No. 1	
	Country: USA	State/Province: New Mexico	County/Parish: Lea	
	Location:	Site:	Survey:	
	API No: NA	Field:	Well Type/Status: AGI / New Drill	
	RRC District No:	Project No: 1624	Date: 8/20/2018	
Drawn: WHG	Reviewed:	Approved:		
Rev No: 7	Notes:			

\\CLIENTS\SLCO\PROJECTS\SALT CREEK MIDSTREAM\1624 - AMERDEV LEASE\OLD\LEAVENWORTH AGI No. 1\WELL DESIGN\WDS_LEAVENWORTH AGI No. 1_V7.DWG, 8/20/2018 4:20:15 PM, W6R0RGE, AUTOCAD PDF (GENERAL DOCUMENTATION).PDS

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LONQUIST & CO. LLC PETROLEUM ENGINEERS ENERGY ADVISORS HOUSTON CALGARY AUSTIN WICHITA DENVER	Salt Creek Midstream		Folsom AGI No. 1	
	Country: USA	State/Province: New Mexico	County/Parish: Lea	
Location:	API No: NA	Field:	Survey:	
Texas License F-9147	State Gas ID No:	Project No: 1624	Date: 8/30/18	
12912 Hill Country Blvd. Ste F-200 Austin, Texas 78739 Tel: 512.732.9612 Fax: 512.732.9616	Drawn: WHG	Reviewed: SLP	Approved: RSC	
Rev No: 1	Notes:			

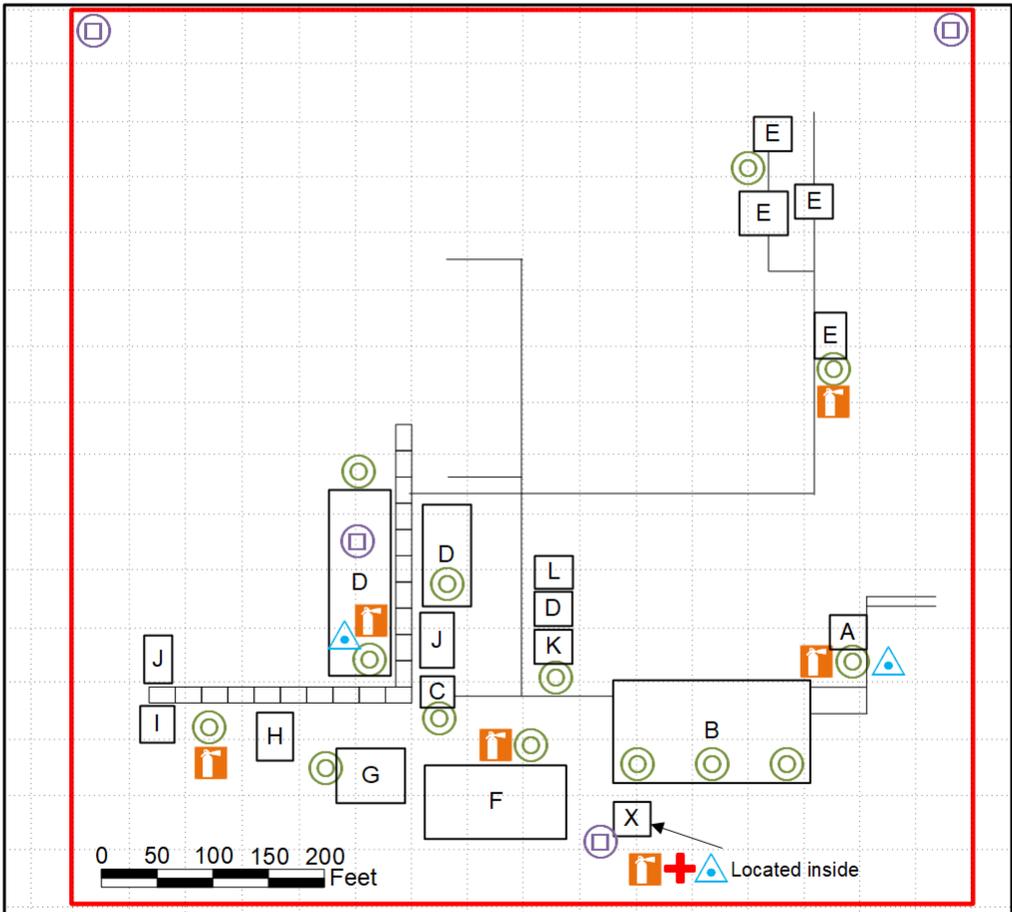
CLIENT\SLCO PROJECTS\SALT CREEK MIDSTREAM\024 - AMEREDV LEASEHOLD\FOLSOM AGI No. 1\WELL DESIGN\WRS - SALT CREEK MIDSTREAM\FOLSOM AGI\20180830.DWG, 8/30/2018 12:56:21 PM, WGEORGE, AUTOCAD PDF (GENERAL DOCUMENTATION).PC3

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APPENDIX L LOCATIONS OF SAFETY EQUIPMENT

	Number:	H2S Contingency Plan
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LEGEND					
	Eyewash/Shower Stations		H ₂ S Stationary Monitor	G	Tanks
	SCBA, Air Bottles and Emergency Escape Respirators	A	Slug Catcher	H	HMO Expansion Skid
	First-Aid Station	B	Gas Compressors	I	HMO Heater
	Fire Extinguishers	C	Inlet Gas Scrubber	J	TEG Dehydration Unit
	Facility Boundary (Approx.)	D	Amine Unit	K	Generator
X	First-Aid Station Building	E	Flare Unit	L	MCC Building
		F	LP Gas Sweetening Package		



Salt Creek Midstream, LLC Ameredev South Plant Lea County, New Mexico 88252 32.0256 °N -103.2766 °W		
		Locations of Safety Equipment Project No: SCM-00019

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APPENDIX M
NAME OF WELL PADS AND
CENTRAL TANK BATTERY SITES

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
	Title:	H2S Contingency Plan
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Central Tank Battery Sites			
Label ID	Name	Label ID	Name
1	REDBUD CTB	8	PIMENTO CTB
2	FIRETHORN CTB	9	JUNIPER CTB
3	AMEN CORNER CTB	10	JUNIPER VERT CTB
4	NELSON BRIDGE CTB	11	GREEN JACKET CTB
5	NANDINA CTB	12	CAMELIA 1M CTB
6	GOLDEN BELL CTB	13	AMEN CORNER CTB
7	AZALEA CTB	14	CAMELLIA CTB

Well Pad Sites					
Label ID	Name	Label ID	Name	Label ID	Name
1	NAN/GB #6N	16	TO/FIR #2S	31	AZE/CAM #5XS
2	RB/HOL #7N	17	TO/FIR #9N	32	AZE/CAM #3S
3	RB/HOL #6N	18	TO/FIR #9S	33	AZE/CAM #4S
4	RB/HOL #7S	19	TO/FIR #6S	34	RB/HOL #5S
5	AZE/CAM #1S	20	AZE/CAM #1N	35	MAG/AC #6N
6	HB/NB #1S	21	TO/FIR #5N	36	JUNIPER VERT
7	JUN/PIM #1S	22	TO/FIR #7S	37	RB/HOL #10S
8	JUN/PIM #8N	23	MAG/AC #3N	38	RB/HOL #9S
9	MAG/AC #1N	24	AZE/CAM #9S	39	RB/HOL #6S
10	TO/FIR #4N	25	AZE/CAM #5S	40	RB/HOL #4S
11	TO/FIR #1S	26	AZE/CAM #8S	41	RB/HOL #2S
12	TO/FIR #7N	27	AZE/CAM #7S	42	RB/HOL #1S
13	TO/FIR #10S	28	AZE/CAM #6S	43	RB/HOL #2N
14	TO/FIR #5S	29	AZE/CAM #10N	44	NAN/GB #9S
15	TO/FIR #3N	30	AZE/CAM #7XS	45	NAN/GB #9N

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Well Pad Sites, continued					
Label ID	Name	Label ID	Name	Label ID	Name
46	NAN/GB #8N	61	GJ #5S	76	JUN/PIM #NEW
47	NAN/GB #7N	62	GJ #7S	77	JUN/PIM #NEW
48	NAN/GB #5N	63	GJ #8S	78	JUN/PIM #NEW
49	NAN/GB #3N	64	GJ #9S	79	JUN/PIM #NEW
50	NAN/GB #2S	65	OAK #1S	80	JUN/PIM #NEW
51	NAN/GB #2N	66	OAK #4S	81	RB/HOL #9N
52	NAN/GB #3S	67	OAK #5S	82	HERKIMER BQF PAD
53	NAN/GB #1N	68	OAK #2S	83	HERKIMER BQF CTB
54	HILLSTONE - RISER	69	OAK #7S	84	MAG/AC #4N
55	RB/HOL #5N	70	OAK #8S	85	CAMELIA V PAD
56	NAN/GB #6S	71	OAK #9S	86	MAG/AC #5S
57	GJ #10S	72	JUN/PIM #NEW	87	MAG/AC #10S
58	GJ #1S	73	JUN/PIM #NEW	88	MAG/AC #4S
59	GJ #2S	74	JUN/PIM #NEW	89	AMEREDEV 40 ACRE SITE
60	GJ #4S	75	JUN/PIM #NEW	90	DESOTO SPRINGS POND

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APPENDIX N ACRONYMS

 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
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Acronym	Acronym Expansion	Acronym	Acronym Expansion
ACGIH	<i>American Conference of Governmental Industrial Hygienists</i>	NIMS	<i>National Incident Management System</i>
AGI	acid gas injection (well)	NIOSH	<i>National Institute for Occupational Safety and Health</i>
ANSI	<i>American National Standards Institute</i>	NM	New Mexico
API	<i>American Petroleum Institute</i>	NM OCD	<i>New Mexico - Oil Conservation Division</i>
BLM	<i>Bureau of Land Management</i>	NMAC	<i>New Mexico Administrative Code</i>
CFR	<i>Code of Federal Regulations</i>	NMED	<i>New Mexico Environmental Department</i>
CO ₂	carbon dioxide	NRC	<i>National Response Center</i>
CR	Control Room	OSHA	<i>Occupational Safety and Health Administration</i>
DCS	Distributed Control System	PLC	programmable logic controller
DHSEM	<i>Department of Homeland Security & Emergency Management</i>	PPE	personal protective equipment
EAA	emergency assembly areas	ppm	parts per million, molar basis
EPA	<i>Environmental Protection Agency</i>	PSM	Process Safety Manager
EPCRA	<i>Emergency Planning and Community Right-to-know Act</i>	ROE	radius/radii of exposure
ERP	emergency response protocol	RQ	reportable quantity (100 lbs of H ₂ S)
ESD	emergency shutdown devices	SCADA	Supervisory Control and Data Acquisition
H ₂ S	hydrogen sulfide	SCBA	self-contained breathing apparatus
HAZWOPER	<i>Hazardous Waste Operations and Emergency Response</i>	SCM	<i>Salt Creek Midstream</i>
HSE	Health, Safety and Environment	SDS	safety data sheets
IC	Incident Commander	SERC	<i>State Emergency Response Center</i>
ICS	Incident Command System	SLB	<i>State Land Board</i>
LEPC	<i>Local Emergency Planning Committee</i>	SO ₂	sulfur dioxide
MMscfd	million standard cubic feet per day	SSV	safety shutdown valve
Mscfd	thousand standard cubic feet per day	TAG	treated acid gas
NACE	<i>National Association of Corrosion Engineers</i>	VHF	very high frequency

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APPENDIX O
SCM H₂S Safety Brochure

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 SALT CREEK MIDSTREAM	Number:	H2S Contingency Plan
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Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Friday, January 11, 2019 3:47 PM
To: 'Suresh Raja'
Cc: Goetze, Phillip, EMNRD
Subject: RE: Carl Chavez has shared files with you

Suresh,

Good afternoon.

No, I haven't been able to review the H2S Contingency Plan (Plan) yet. However, I do notice that you conveniently responded to the H2S CP "Checklist" items with verification of their inclusion in the Plan.

Therefore, I will prioritize the OCD Plan review for completion or comments requiring responses within the next couple of weeks or by 1/25.

Thank you for the follow-up.

Mr. Carl J. Chavez, CHMM (#13099)
New Mexico Oil Conservation Division
Energy Minerals and Natural Resources Department
1220 South St Francis Drive
Santa Fe, New Mexico 87505
Ph. (505) 476-3490
E-mail: CarlJ.Chavez@state.nm.us

“Why not prevent pollution, minimize waste to reduce operating costs, reuse or recycle, and move forward with the rest of the Nation?” (To see how, go to: <http://www.emnrd.state.nm.us/OCD> and see “Publications”)

From: Suresh Raja <sraja@enercon.com>
Sent: Friday, January 11, 2019 3:10 PM
To: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>
Cc: Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>
Subject: [EXT] RE: Carl Chavez has shared files with you

Carl,

Have you had a chance to review the H2S plan? Do you have any comments?

Thanks,

-Suresh

Suresh Raja, Ph.D.
Senior Air Quality Engineer
Enercon Services, Inc.
15770 North Dallas Parkway, Suite 400

Dallas, TX 75248
972/484-3854
972/484-8835 (fax)
315/261-1722 (cell)
Email: sraja@enercon.com

From: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>
Sent: Tuesday, December 04, 2018 2:56 PM
To: Suresh Raja <sraja@enercon.com>; Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>
Subject: RE: Carl Chavez has shared files with you

Suresh:

Ok, I'll get copies to Phil. Thank you.

From: Suresh Raja <sraja@enercon.com>
Sent: Tuesday, December 4, 2018 1:54 PM
To: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>; Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>
Subject: [EXT] RE: Carl Chavez has shared files with you

Thanks, Carl. I have uploaded the files. There are two files, one is the PDF of the plan and the second is an excel sheet of the OCD checklist.
-Suresh

From: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>
Sent: Tuesday, December 04, 2018 2:02 PM
To: Suresh Raja <sraja@enercon.com>; Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>
Subject: RE: Carl Chavez has shared files with you

Suresh,

OCD is unable to open the link due to our security software.

I will resend you a secure PIN through Varonis again, but this time I will activate all access to see if this allows you to securely upload the doc(s).

Thank you.

From: Suresh Raja <sraja@enercon.com>
Sent: Friday, November 30, 2018 10:13 AM
To: Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>
Cc: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>
Subject: [EXT] RE: Carl Chavez has shared files with you

Phillip,

I missed to list you email address in the previous email, please download the H2S Plan from the link below. As discussed yesterday, the PDF file in the link below contains the overall layout and provides process description and other details that you may find essential.

<https://www.dropbox.com/sh/r7ds1fn5ovd99og/AACVkf2XP2h6FnIN3te5QeyJa?dl=0>

Thanks,

-Suresh

From: Suresh Raja
Sent: Friday, November 30, 2018 11:08 AM
To: 'Carl Chavez' <Carlj.Chavez@state.nm.us>
Cc: David Martinkewiz <David.Martinkewiz@armenergy.com>
Subject: RE: Carl Chavez has shared files with you

Carl,

I was unable to upload in the link below. It appears that the link is only for file sharing and not for external organizations to upload files to. In any case, I am sending you a dropbox link to download the H2S Plan and the Excel Checklist. Can you please see if you are able to download the files from the link below?

<https://www.dropbox.com/sh/r7ds1fn5ovd99og/AACVkf2XP2h6FnIN3te5QeyJa?dl=0>

Thanks,

-Suresh

Suresh Raja, Ph.D.
Senior Air Quality Engineer
Enercon Services, Inc.
15770 North Dallas Parkway, Suite 400
Dallas, TX 75248
972/484-3854
972/484-8835 (fax)
315/261-1722 (cell)
Email: sraja@enercon.com

From: Carl Chavez <Carlj.Chavez@state.nm.us>
Sent: Friday, November 30, 2018 10:22 AM
To: Suresh Raja <sraja@enercon.com>
Subject: Carl Chavez has shared files with you



Carl Chavez has shared files with you

via DatAnywhere

Suresh:

Hi. Please let me know once you have placed doc(s) into Enercon Folder.

Thank you.