

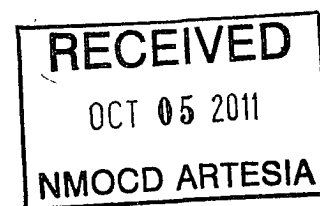
HYDROGEN SULFIDE (H₂S) CONTINGENCY PLAN

30-015-39480

Assumed 100 ppm ROE = 3000'

100 ppm H₂S concentration shall trigger activation of this plan.

Emergency Procedures



In the event of a release of gas containing H₂S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H₂S monitors and air packs in order to control the release.
- Use the "buddy system" to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
- Have received training in the
 - Detection of H₂S, and
 - Measures for protection against the gas,
 - Equipment used for protection and emergency response.

Ignition of Gas source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO₂). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever this is an ignition of the gas.

Characteristics of H₂S and SO₂

| Common Name | Chemical Formula | Specific Gravity | Threshold Limit | Hazardous Limit | Lethal Concentration |
|------------------|------------------|------------------|-----------------|-----------------|----------------------|
| Hydrogen Sulfide | H ₂ S | 1.189 Air = 1 | 10 ppm | 100 ppm/hr | 600 ppm |
| Sulfur Dioxide | SO ₂ | 2.21 Air = 1 | 2 ppm | N/A | 1000 ppm |

Contacting Authorities

BOPCO L.P. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. (Operator Name)'s response must be in coordination with the State of New Mexico's "Hazardous Materials Emergency Response Plan" (HMER).

H₂S CONTINGENCY PLAN EMERGENCY CONTACTS

BOPCO L.P. Midland Office

432-683-2277

Key Personnel

| <u>Name</u> | <u>Title</u> | <u>Cell Phone Number</u> |
|------------------|-----------------|--------------------------|
| Stephen Martinez | Drilling Supt. | 432-556-0262 |
| Buddy Jenkins | Assistant Supt. | 432-238-3295 |
| Bill Dannels | Engineer | 432-638-9463 |
| Brian Hammit | Engineer | 432-638-9460 |
| Charles Warne | Engineer | 432-894-1392 |

| | |
|--------------------------------------|--------------|
| Ambulance | 911 |
| State Police | 575-746-2703 |
| City Police | 575-746-2703 |
| Sheriff's Office | 575-746-9888 |
| Fire Department | 575-746-2701 |
| Local Emergency Planning Committee | 575-746-2122 |
| New Mexico Oil Conservation Division | 575-748-1283 |

Carlsbad

| | |
|------------------------------------|--------------|
| Ambulance | 911 |
| State Police | 575-885-3137 |
| City Police | 575-885-2111 |
| Sheriff's Office | 575-887-7551 |
| Fire Department | 575-887-3798 |
| Local Emergency Planning Committee | 575-887-6544 |
| US Bureau of Land Management | 575-887-6544 |

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|---|--------------|
| New Mexico Emergency Response Commission (Santa Fe) | 505-476-9600 |
| 24 Hour | 505-827-9126 |
| New Mexico State Emergency Operations Center | 505-476-9635 |
| National Emergency Response Center (Washington, DC) | 800-424-8802 |

Other

| | |
|--|------------------------------|
| Boots & Coots IWC | 800-256-9688 or 281-931-8884 |
| Cudd PressureControl | 432-580-3544 or 432-570-5300 |
| Halliburton | 575-746-2757 |
| B. J. Services | 575-746-3569 |
| Flight For Life – 4000 24 th St. Lubbock, Texas | 806-743-9911 |
| Aerocare – R3, Box 49F, Lubbock, Texas | 806-747-8923 |
| Med Flight Air Amb – 2301 Yale Blvd SE #D3, Albuquerque, NM | 505-842-4433 |
| S B Air Med Service – 2505 Clark Carr Loop SE, Albuquerque, NM | 505-842-4949 |