



TOOELE COUNTY CORPORATON
DEPARTMENT OF THE ARMY 11-07-18
US ARMY CHEMICAL MATERIALS AGENCY
DESERET CHEMICAL DEPOT
11500 Stark Road
STOCKTON, UT 84071-9711

REPLY TO
ATTENTION OF:

MEMORANDUM OF UNDERSTANDING AMSCM-OPDC-RS-E12
BETWEEN
DESERET CHEMICAL DEPOT AND TOOELE COUNTY

SUBJECT: Information Exchange

1. PURPOSE

This Memorandum of Understanding (MOU) by and between Deseret Chemical Depot (DCD) and Tooele County outlines a cooperative, coordinated and pro-active information exchange process. It is designed by the parties to include planning considerations, hazard assessment and mitigation, coordinated emergency response, and effective protective actions. Its purpose is to achieve an enhanced state of emergency response readiness by providing the earliest possible hazard assessment and mitigation, and timely notification for protective action implementation, if required, for a chemical event or other type of emergency.

2. OBJECTIVES

a. The mutual objectives of the information exchange process outlined in this MOU are to: (1) Define specific chemical emergency categories; (2) Identify and display hazard predictions for chemical operations having the potential of producing chemical agent effects beyond the installation boundary; (3) Provide advance protective action recommendations for the potential emergency(s); and (4) Exercise daily activities that will mimic and reinforce emergency activities, thereby enhancing the notification and response capabilities of DCD and Tooele County.

b. To facilitate coordinated on-post and off-post emergency planning and response proficiency for a chemical event or other type of emergency, the parties agree to continuing information exchange, using specified chemical event classification definitions; and following routine and emergency notification procedures as set forth herein.

3. COORDINATED DAILY INFORMATION EXCHANGE

a. DCD agrees to provide Tooele County with a work plan, prior to beginning daily chemical operations. The work plan will include an outline of the chemical tasks to be conducted, the estimated times that the operations will be in progress, agent and munition types, and current meteorological data. The work plan will specify tenant activities, even if there are no chemical operations scheduled. Hazard plots for every operation will be calculated with Webpuff modeling program and the maximum credible event (MCE) plot provided with a protective action recommendation (PAR) to Tooele County. PAR/PADS will be based on the Acute Exposure Guideline Levels (AEGLE) 2 and 3. DCD will not allow a chemical operation to be conducted when the projected

SUBJECT: Information Exchange

AEGL 3 distance extends beyond the depot boundary. DCD will provide updates to hazard plots if the wind shifts 30 degrees or more, or if the stability category changes.

b. Tooele County agrees to review DCD's daily chemical operations work plans, the hazard plots and the PARs from DCD at least once daily. After review of the PAR from DCD, and giving consideration to off-post weather station readings and other community conditions, Tooele County will make an appropriate protective action decision (PAD). If the PAD requires a protective action such as evacuation or in-place sheltering, Tooele County will provide DCD and Utah Division of Emergency Management (DEM) with the final PAD, including communities that would be instructed to evacuate or in-place shelter, specific evacuation routes, designated reception centers, etc. If the PAR indicates that no action is required, no PAD will be produced and forwarded.

c. Major differences between PARs and PADs should be reviewed and discussed between Tooele County and DCD EOC personnel to achieve mutual understanding of the situation at hand, and to facilitate coordinated emergency response activities, when required. Consensus regarding the final PAD is preferred, where possible.

4. Chemical event categories

The following terms and emergency classification definitions are hereby agreed to by the parties, some of which are detailed in the Army Regulation 50-6, DCD Chemical Accident/Incident Response and Assistance Plan and Tooele County Emergency Operations Plan.

a. Category I.

- (1) A situation that has received or is expected to receive negative public attention and in the assessment of the commander/director has impacted or will likely impact the chemical surety mission (The intent of this report is to provide details and the commander's/director's assessment to the Army leadership for use in answering queries on the situation.)
- (2) Explosion, fire, or release involving chemical surety operations, where there is no exposure to personnel and agent remains within engineering controls.
- (3) Worker claims of exposure to chemical agent with or without exhibiting signs and/or symptoms consistent with exposure, and without confirmation by clinical or laboratory evaluation.
- (4) Confirmed detection of chemical agent exceeding the Short Term Exposure Limits (STEL), outside of the primary engineering controls but within secondary engineering controls or the igloo.
- (5) As requested by Headquarters Department of the Army, Office of the Deputy Chief of Staff, G-3/5/7 (Department of Army MO-SSD).

b. Category II.

- (1) Confirmed presence of liquid chemical agent outside piping, or vessels or in an area where agent presence was not expected. A second means of detection will be used to confirm, and, if it is negative, a third test will be the deciding factor. (If a reliable means

of confirmation is used and does not confirm the presence of liquid chemical agent, this is not a chemical event.)

SUBJECT: Information Exchange

- (2) Any confirmed detection of chemical agent outside of engineering controls or the igloo and into the environment, exceeding the STEL for the chemical agent.
- (3) Any known release of chemical agent above the STEL for the chemical agent for unmasked workers where unprotected or inadequately protected personnel have been present or are likely to have been present at the time of release.
- (4) Personnel exhibiting any sign or symptom of chemical agent exposure that has been confirmed by clinical or laboratory evaluation.
- (5) A deliberate attempt to release Army chemical agents that is unauthorized or during the commission of a criminal act.

c. Category III.

- (1) Explosion, fire, or spill where chemical agents are involved, resulting in personnel injury or substantial structural damage.
- (2) Actual theft of chemical surety material.
- (3) Any release of chemical agent into the atmosphere that approved downwind hazard projection methods indicate will create a hazard greater than the appropriate Acute Exposure Guideline Levels (AEGLs).
- (4) Any release of chemical agent into the atmosphere, confirmed by an approved detection method, which exceeds the AEGL in the operating agreement and may extend beyond the installation boundary.

5. NOTIFICATION PROCEDURES

a. DCD agrees that notification shall be made within 10 minutes when agent is detected in the atmosphere, i.e., outside engineering controls, or when other similar unusual circumstances occur. [Examples include agent detected outside an igloo or in an incinerator stack; personnel reported "down" or exhibiting symptoms of agent exposure, etc].

b. Suspected but not confirmed agent releases outside of primary engineering controls, but within secondary engineering controls, need not be reported until agent presence is confirmed. However, DCD should provide a courtesy "heads up" call when agent readings are detected outside primary engineering controls and are awaiting confirmation or non-confirmation. Updated information will be provided to Tooele County upon notification of final disposition. Agent detection in storage igloos will be reported when initially identified. Upon placement of operational filters subsequent daily monitoring results need not be reported. Leaking munitions discovered during first entry monitoring/leaker isolation will be reported.

c. DCD agrees to use the dedicated "Chemical Notification Hotline" phone, as the primary means of notification for routine leakers and other occurrences of chemical agent detection outlined above, as well as for events falling into the defined chemical event classifications. The information provided by DCD to Tooele County and Utah

County shall follow the Chemical Notification Form. (See Attachment A.) A facsimile copy of the completed Chemical Notification Form will be provided by DCD as a verification of data communicated verbally. A facsimile for a "heads up" call will be provided only after the final disposition of the agent detection is determined. DCD will SUBJECT: Information Exchange provide Tooele County and Utah County updated information as soon as it becomes available.

d. For Category II, Limited Area, Post Only, and Category III, post only, and Community level emergencies, DCD will also provide, as soon as possible, a "Webpuff Event Notification", as well as updated hazard plots and revised protective action recommendations as required. Until updated protective action recommendations are prepared and transmitted, the most recent work plan hazard plot and protective action recommendation will be implemented. Tooele County will provide notification to Utah DEM, according to established procedures.

e. As a result of an unusual occurrence, upset condition during transportation of agent to or from DCD, or if the potential exists for a chemical event beyond DCD's daily work plan, DCD agrees that "heads up" notification shall be made at the earliest possible opportunity, even if all the information needed to complete a Chemical Notification Form is not available. Frequent updates will be provided, communicating new information as soon as it becomes available.

f. Tooele County agrees to provide reciprocal information regarding the PAD made by Tooele County officials, including traffic access and control, evacuation routes, designated reception centers and other evacuee support, etc. Periodic updates will be provided, along with available information on any activities that could affect safe evacuation from the installation and surrounding off-post communities, such as train derailments, major traffic accidents, hazardous materials spills, etc.

6. TERMS

This agreement shall take effect upon signature and shall continue until amended or terminated, in writing, with thirty days notice.



MARK B. POMEROY
Colonel, Chemical Corps
Commanding
Deseret Chemical Depot

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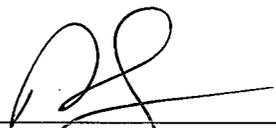
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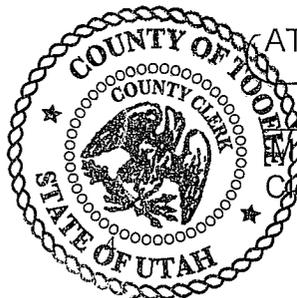
COLLEEN JOHNSON
Tooele County Commissioner

July 19, 2011

(Date)



DOUG HOGAN
Attorney, Tooele County



ATTEST



MARILYN GILLETTE
Clerk, Tooele County

CHEMICAL NOTIFICATION FORM
(Proponent is Office of the Commander)
(Prescribing Directive is DCD-R 50-2)

ACTUAL EVENT HEADS UP DRILL/EXERCISE
For Use by County
Received by _____ Initial Report Update

Received On: County Hotline Commercial Phone Other _____

PART I – REPORT SOURCE INFORMATION

References: (1) AR 50-6 (2) SB 742-1

1. Reported to County by: _____ Date _____ Time _____

PART II – EMERGENCY CLASSIFICATION LEVEL

2. Leaker Report CAT I Non-Surety Emergency: Non Chemical Chemical
CAT II Limited Area Emergency Post-Only Emergency
CAT III Community Emergency Post-Only Emergency

PART III - ESSENTIAL ELEMENTS OF INFORMATION

3. Date Discovered: _____ Time of Detection: _____

4. Installation: DCD TOCDF CAMDS

Igloo # _____ Station # _____ Station# _____
Bldg # _____ Bldg# _____ Bldg# _____
Igloo# _____

5. Munitions Type _____ Number of Munitions _____

6. Agent: GA H L Type: Vapor Liquid Haz Waste VX GB H

7. How Event Occurred: Leak Spill Fire Explosion

8. Quantity of Agent Spilled/Released: _____

9. Operation Being Performed: _____

10. Detectors Used to Find: _____ Readings: _____

Detectors Used to Confirm: _____ Readings: _____

11. Patients/Injuries (Explain): _____

12. Assistance Required (Explain): _____

13. Corrective Action Taken: _____

14. Other: _____

PART IV – PROTECTIVE ACTION RECOMMENDATION (PAR)

(Wind Direction From _____ degrees)

15. PAR for populations/communities affected: _____

CHEMICAL NOTIFICATION FORM
(Proponent is Office of the Commander)
(Prescribing Directive is DCD-R 50-2)

PART V – NOTIFICATIONS BY DCD MISSION SUPPORT (SAFETY)

A. ENVIRONMENTAL: 833-4198 Name: _____ Time: _____

B. CMA:

Duty Hours: DSN 584-4484
Com. (410) 436-4484 Name: _____ Time: _____

Non-Duty: DSN 584-4484
Com. (410) 436-4484 Name: _____ Time: _____

C. AOC: DSN 227-0218
Com. (703) 697-0218 Name: _____ Time: _____

D. IF NON-DUTY HOURS OR NON-WORKDAY, FAX MESSAGE TO:

1. DA AOC: (Primary Number) Commercial only (703) 693-6289

DA: (Alternate) Commercial Only (703) 693-5570 Time: _____

2. CMA: Commercial Only (410) 436-4496 Time: _____