9

Item #4

User ID	: fcpofcr9
Reported By	: EOC
OK'd By	: LMK
Incident Date/Time	: 05/08/2000 13:03:43
Subject	: LIGHTNING
Location	: DCD
Incidents, Messages, Orders, etc.	: LIGHTNING DETECTED WITHIN 5 MILE EOC ADVISED TOCDF, CAMDS, CFO AND AREA 10 CREWS.
User ID Out	: fcpofcr9
status	: open
Action Taken	: DETECTOR CLEARED ...EOC NOTIFIED TOCDF AND CAMDS.

Item #5

User ID : fcpofcr3
Reported By : CONTROL ROOM
OK'd By : JRS
In Date/Time : 05/08/2000 23:29:38
Subject : ACAMS ALARM
Location : TOCDF
Incidents, Messages, Orders, etc. : CONTROL ROOM REPORTED AN ACAMS ALARM IN PAS 701C @ .63 ASC... AND AN ACAMS ALARM IN PAS 701A @ 1.57 ASC....

MONITORING IS RESPONDING AND WILL PULL DAAMS TUBES FOR CONFIRMATION....

User ID Out : fcpofcr
status : open
Action Taken : 23:42...CONTROL ROOM UPDATED READING IN PAS 701C @ 3.64 ASC AND PAS 701A @ 3.40 ASC...

ALSO REPORTED AN ALARM AT THIS TIME IN PAS 702 @ 1.45 ASC...
WILL CONTINUE TO MONITOR AND KEEP EOC UPDATED...

23:55....ACAMS CLEARED IN BOTH 701C & A...STILL HAVE READINDS IN 702....

00:25....ALL ACAMS HAVE CLEARED AT THIS TIME...DAAMS PENDING...

00:32...REPORTED 701C BACK INTO ALARM @ .56 ASC..ALSO 701B NOW IN ALARM @ .39 ASC...

01:17...DAAMS TUBES FOR 701A/B/C CONFIRMED @ 2.74 ASC....(COMMON DAAMS FOR ALL PAS 701 STATIONS)...

02:14...PAS 702 DAAMS NON-CONFIRMED...

02:18...CONTROL ROOM CALLED REQUESTING ARCHIVED WIND SPEED AND DIRECTION DATA FOR 22:00 AND 22:30 HRS...

02:25...NOTIFIED SMO...

03:34....NOTIFIED COUNTY...LIMITED AREA EVENT...

04:30 NOTIFIED SBCCOM AND AOC...

DAILY ACTIVITIES	8 MAY 2000 1830-0700
DCD OPERATIONS: NO PLANNED OPERATIONS	**STRUCTURES:**
CAMDS OPERATIONS: (17) VX AGENT SAMPLES IN THE SAF NO PLANNED OPERATIONS	**CHIEF OF FIELD OPERATIONS (CFO):** T. DAUWALDER 4236 / 4271 / 830-2415 **SENIOR MANAGEMENT OFFICIAL (SMO):** D. LISH 4851 / 830-7562 / 756-6974 **PUBLIC AFFAIRS OFFICER:** J. PETTEBONE 4575 / 830-2019 / 833-0956
TOCDF OPERATIONS: (91) PROCESSING AGENT, SPNT DECON LIC #1 PROCESSING ROCKETS LIC#2 DOWN FOR PLANNED MAINT. DPE AND LEVEL B ENTRIES FOR SUPPORT RDTE CAL LAB OPERATIONS **RRS**: NO PLANNED OPERATIONS **MCE:** TOCDF UNPACK AREA **WEATHER** : FEW LNGRNG SHWRS EARLY EVNG, THEN PTLY CLDY **HIGH TEMP**: 72 DEG **LOW TONIGHT**: 32-37 **WINDS: A.M.** SE-SW @ 0-10 MPH **P.M.** W-N @ 4-14 MPH **MIXING HEIGHT**: 50 METERS @ 07:30. STAB E **WIND CHILL: N/A**	**ENVIRONMENTAL:** R. RASMUSSEN 4033 **SAFETY:** R. WILLIAMS 4433 / 840-0729 **WEATHER:** S. CHIPMAN 4320 **VISITORS / CONTRACTORS:** NONE PLANNED **EOC ASSIGNMENTS** EVENT CLOCK/PLOT – R. SCHOW SIREN / RECORDER – R. MCFARLAND INITIAL NOTIFICATIONS - R. MCFARLAND ADD'L NOTIFICATIONS - R. SCHOW

Appendix G

TOCDF DAILY WORK PLAN

Prepared by: J. SAFRANS

Date: 08MAY00 (Day/Month/Year) Time: 1733

Processing ☑ Non-Processing ☐

Processing Schedule: From 1733 Hours, to 0533 Hours

Actual ☑ (Agent) Simulated ☐ (Seth) Furnace Testing Only ☐

Campaign: GB ☑ VX ☐ H ☐ HD ☐

Munitions:

Rockets	M-55	☑	Bulk	Tons	☐
	MRC	☐		Spray Tank	☐
	M-67	☐		Wet Eyes	☐
	Tube	☐		Bombs	☐
	Cardboard	☐			
Projectiles	105	☐		Mines	☐
	155	☐			
	4.2	☐			

Furnaces In Operation:

LIC	1	☑	DFS	☑
LIC	2	☐	MPF	☐
DUN		☐		

Staffing (To be furnished toTooele County byEOC):

Number of Personnel on Site (inside and outside fence) 91

Narrative of Today's Processing Activities: LIC#1 - AGENT/DECON, LIC#2 - SHUTDOWN, MPF - SHUTDOWN, DFS - MSS ROCKETS, MDM - PMD - SHUTDOWN, RSM - MSS ROCKETS, DPE ENTRIES, OTHER THAN DPE ENTRIES, CAL RTP + RE

Plant Shift Manager (PSIC) Cory Christiansen PH: 833-7721
Name

OPS Shift Superintendent (AIOSIC) Steve Lawrey PH: 833-7724
Name

TRANSMIT TO EOC BY 0700 OR 1900

DESERET CHEMICAL DEPOT

72 HOUR FORECAST

VALID: 6:00 PM MAY 8, 2000 - 6:00 PM MAY 11, 2000

PERIOD	WEATHER	HIGH TEMP	LOW TEMP	WIND DIR. & SPEED	STABILITY
MONDAY NIGHT	A few lingering showers early evening, otherwise partly cloudy skies.		32-37	W-N @ 4-14 mph bcmg SE-SW @ 0-10 mph by late evening	E
TUESDAY	Increasing high clouds.	72		SE-SW @ 2-12 mph bcmg S-W @ 5-15 g/20 mph by mid afternoon	C/B
TUESDAY NIGHT	A few showers over the mountains, clearing after midnight.		33-38	SW-NW @ 7-17 g/24 mph bcmg N-E 4-14 mph by midnight	E/D
WEDNESDAY	Mostly sunny in the morning, increasing high clouds during the afternoon.	77		E-S @ 3-13 mph bcmg S-W @ 6-16 g/22 mph by afternoon	C/B
WEDNESDAY NIGHT	Becoming mostly cloudy with scattered showers developing.		42	SW-NW @ 6-16 g/22 mph bcmg W-N @ 8-18 g/26 mph late	D
THURSDAY	Scattered morning showers, partial afternoon clearing.	57		W-N @ 8-18 g/26 mph	D

Item #1

User ID	: fcpofcr9
Reported By	: DECON 1
OK'd By	: LMK
Incident Date/Time	: 05/09/2000 05:46:57
Subject	: ACCESSED
Location	: 2106
Incidents, Messages, Orders, etc.	: ACCESSED FOR FIRST ENTRY PRIOR TO THE START OF SHIPPING WARHEADS.
User ID Out	: fcpofcr9
status	: open
Action Taken	: 8:35 - COMPLETED ENTRY AND BEGAN TO LOAD ONCS. 10:15 - SECURED THE IGLOO FOR LUNCH AFTER LOADING 9 ONCS. ANOTHER ONC WILL BE LOADED AFTER LUNCH. 12:15 - REACCESSED IGLOO 2106 TO CONTINUE SHIPPING.

Item #2

User ID	: fcpofcr3
Reported By	: TOBY
OK'd By	: EFL
In Date/Time	: 05/08/2000 10:35:17
Subject	: SPRAYIING
Location	: AREA 10, TOCD
User ID Out	: fcpofcr9
status	: open
Action Taken	: CONTRACTOR ADVISED EOC THAT HE HAS ARRIVED AT DCD TO SPRAY FOR WEEDS AROUND THE PERMITER OF AREA 10, TOCDF AND CAMDS. HE CAN BE REACHED ON HIS CEL PHONE # 801-362-2584. EOC GAVE A HEADS UP TO TRACY, HAROLD, SAFETY, TOCDF AND CAMDS. 13:08 - CONTACTOR STATED THAT WINDS HAD INCREASED AND THAT HE IS UNABLE TO CONTINUE SPRAYING. HE IS DEPARTING THE AREA.

Item #3

User ID : fcpofcr9
Reported By : EOC
OK'd By : LMK
Incident Date/Time : 05/08/2000 12:20:24
Subject : SIREN TEST
Location : DCD
Incidents, Messages, Orders, etc. : TESTS OF THE DEPOT SIREN SYSTEM AND DEPOT HOT LINE WERE CONDUCTED.

THE OLD SIREN SYSTEM AT BLDG 5108 DID NOT SOUND WHEN SECURITY SWITCHED ON THE SYSTEM AT SSCC. PROBLEM WAS REPORTED TO LUCICH AND LEAE MESSAGE FOR LISH.

ALL OTHER SYSTEMS WORKED.

User ID Out : fcpofcr9
status : open

Item #4

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OK'd By : LMK
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UNCLASSIFIED

0 1 dtg: _____ 00 pp uuuu AA Zyuw 2021515Z

NO

CDR DCD STOCKTON UT//AMSSB-ODC-CO//

HQ DA WASH DC//DAMO-ODC-AOC/DAMO-SSD/DALO-SMA-DCD//

DACS-SF/DAMO-ODL/SGPS-PST/SAIG-ID/SAILE-CD//

SAILE-ESOH/SAPA-PC/SALL-P//

INFO CDR SBCCOM APG MD//AMSCB-OC/OP/PA/RA//

PM CHEM DEMIL APG MD//SFAE-CMZ/CMSH

DIR USANCA FT BELVOIR VA//ATNA-OP/ATNA-CM//

CDR AMC ALEXANDRIA VA//AMCCB/AMCSF/AMCLG-RO//

UNCLAS

SUBJ: TMS IS A CHEMICAL EVENT REPORT, RCS: _____

I DATE AND TIME OF EVENT/EVENT CONTROL NUMBER: 08 May , 2000 23:29 TOCDF 00 04

2. LOCATION: DESERET CHEMICAL DEPOT, STOCKTON, UT, TOCDF

. QUANTITY AND TYPE OF MUNITION(S) OR CONTAINER(S) AND CHEMICAL AGENTS INVOLVED: GB AGENT, NO MUNITIONS WERE INVOLVED...

4. DESCRIPTION OF WHAT HAPPENED: DURING A 26 MIN. PERIOD, (BETWEEN 23:29 & 23:55) THE COMMON STACK WENT INTO ALARM....THERE WAS NO AGENT PROCESSING TAKING PLACE AT TIME OF ALARM. THE ACAMS READING WERE CONFIRMED WITH DAAMS TUBES @ 2.87 ASC...THERE IS NO HAZARD... CONTINUING EVALUATION OF DATA TO DETERMINE CAUSE....

5. EMERGENCY NOTIFICATION LEVEL: (I. E., NON-SURETY EMERGENCY, LIMITED AREA EMERGENCY, DEPOT ONLY EMERGENCY, COMMUNITY EMERGENCY. (IF NOT-APPLICABLE, SO STATE: LIMITED AREA EMERGENCY

6. DESCRIPTION OF PROPERTY DAMAGE: N/A

7. PERSONNEL CASUALTIES AND/OR INJURIES: NO!

SAFETY DIVISION, 4576

WALTON W. LEVI, DIR RISK MGMT

UNCLASSIFIED 211429ZJULOO

02 0 2 dtg: _____ pp uuuu AA z YUW 2021515Z

.O

8. WHETHER OFF DEPOT MEDICAL SERVICES AND/OR FACILITIES ARE REQUIRED: NO

9. STATE IF SRF COMMANDER IS REQUIRED: NO

10. ASSISTANCE REQUIRED (E.G., AUGMENTATION FORCES OF ANY TYPE, EOD, SECURITY FORCES, EQUIPMENT AND MATERIAL): NO

ii. ANY OTHER PERTINENT INFORMATION (E.G., IF NEWS RELEASE WAS ISSUED, SAFETY AND SECURITY MEASURES TAKEN): NEW RELEASE PENDING!!

12. COMMANDER'S ASSESSMENT OF THE SITUATION:

THERE WAS NO PROCESSING OF AGENT AT TIME OF ALARM...EVALUATION OF DATA WILL CONTINUE TO DETERMINE CAUSE...

IN REPORTING EMERGENCY DISPOSAL OF HAZARDOUS MUNITIONS (E. G., USPECTED CHEMICAL MUNITIONS OR MATERIALS), REPORTING AGENCIES MUST ADD THE FOLLOWING: NA

A. TYPE OF AIR SAMPLES AND TEST KITS USED AND THE RESULTS OBTAINED: N/A

B. TYPE AND AMOUNT OF EXPLOSIVE USED TO DESTROY EACH MUNITION: N/A

14. ELEMENTS OF MEDIA RELEASE: PENDING

15. NOTIFICATION OF SENIOR GOVERNMENT OFFICALS: TOOELE COUNTY...

16. DCD POC THIS ACTION, HAROLD OLIVER

SAFETY DIVISION, 4576

WALTON W. LEVI, DIR RISK MGMT

APPENDIX II (CHEMICAL NOTIFICATION FORM) TO ANNEX S (REPORTING REQUIREMENTS) TO DCD-CAIRAP

CHEMICAL NOTIFICATION FORM

Actual Event _____ **Drill/Exercise** _____

Received by: _____ Initial Report _____ Update _____

PART I - REPORT SOURCE INFORMATION

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

1. Reported by R. Schow Time 03:32 Date May 9, 00
2. Received by: Dedicated Telephone____ Commercial Telephone____ Other____

PART II - ESSENTIAL ELEMENTS OF INFORMATION

3. Date Discovered MAY 8, 00 Time of Detection: 23:29
4. Installation: Deseret Chemical Depot Igloo Number/Location: TOCDF
5. Munition Type N/A Number of Munitions N/A
6. Agent: GB X VX___ H___ L___ Type: Vapor X Liquid ___
7. How Event Occurred: Leak ___ Spill ___ Fire ___ Explosion ___ N/A
8. Quantity of Agent Spilled/Released: N/A
9. Operation Being Performed: Furnace Stack
10. Detectors Used to Find/Confirm: DAAMS Readings: 2.87 ASC
11. Item(s) were: Deconned ___ Overpacked ___
    Placed in leaker structure ___ Igloo/Area being filtered ___
12. Personnel Injuries (Explain): N/A
13. Assistance Required (Explain): N/A
14. Corrective Action Taken:
15. Other: Confirmed @ 2.87 ASC —
16. Weather Data: Wind Direction (from) SW Degrees 316
    Wind Speed ___ m/s 1.45 mph
    Temperature ___ C 42 F Stability A B C D (E) F

PART III - EVENT CLASSIFICATION LEVEL

17. Routine Emergency
    Leaker(s) ___ Non-Surety Event ___ Limited Area Event X
    Post- Only Event ___ Community Event ___

PART IV - PROTECTIVE ACTION RECOMMENDATION (PAR)

18. PAR for populations/communities affected:
    For a period of 25 min. The Common Stack was in alarm — There was no agent processing at time of alarm — Reading was confirmed @ 2.87 ASC - There is no hazard - Continued evaluation of data to determine cause -

8-9 May 00
P.1

2326 ACAMS Alarm Common Stack
#701C @ 0.67# Safety - Env Notified
2327 CAMS - Monitoring - Env. Notified
2328 701A @ 1.57 ASC
2329 701C @ 1.32 ASC next cycle
2331 701A @ 2.52 ASC next cycle
Monitoring updated / Perimeter Lights Activated
2332 701C @ 1.82 ASC Next Cycle
2333 Notifications Complete
2334 701A @ 2.84 ASC Next cycle
2335 701C @ 2.30 ASC next cycle
2337 701A @ 3.24 ASC Next Cycle
2338 701C @ 2.90 ASC Next Cycle
Monitoring update
2340 701A @ 3.40 ASC Next cycle
2341 702 @ 1.45 ASC - first Alarm
701C @ 3.64 ASC next cycle
J.T Thorpe to Lunch room
2343 701A @ 3.38 ASC
2344 702 @ 0.61 ASC
701C @ 2.06 ASC
2346 701A @ 1.31 ASC
2347 701C @ 0.69 ASC
702 @ 0.69
2348 J.T Thorpe Accounted for

2349 701A @ 0.37 ASC
2350 702 @ 0.75 ASC
701C @ 0.24 ASC
2352 701A @ 0.16 ASC Clear ##
Safety / Env / CAMS Notified
2353 701C @ 0.07 Clear ##
702 @ 0.65 ASC - CAMS - Env & Safety
updated
2355 EOC update
2356 102 @ 0.55 ASC
2359 702 @ 0.40 ASC
0002 702 @ 0.28 ASC
0005 702 @ 0.23 ASC
0008 702 @ 0.18 ASC Clear ##
0011 702 @ 0.13 - Still Clear
0014 702 @ 0.11 - Still Clear
0017 702 @ 0.09 Still Clear
0018 Unannounced Exit.

9 May 00
P. 1

0029 ACAMS Alarm Comm Stack
701B @ 0.39 / 702 @ 0.39 ASC
0030 701C @ 0.36 Safety - ENV - QASAS
& EOC Notified
0031 701B @ 0.79 ASC
0032 701C @ 0.81 ASC
0034 701B @ 0.61 ASC
0035 701C @ 0.30 ASC
702 @ 0.31 ASC
J.T. Moore @ Lunchroom
0037 701B @ 0.20 ASC
0038 701C @ 0.02 Clear **
702 @ 0.20 ASC
0040 701B @ 0.05 Clear **
0041 702 @ 0.23 ASC
0044 702 @ 0.25 ASC
0047 702 @ 0.24 ASC
0050 702 @ 0.24 ASC
0053 702 @ 0.21 ASC
0056 702 @ 0.18 ASC Clear **
0059 702 @ 0.17 Clear
0102 702 @ 0.15 Clear
0103 PSM - Reclassified Fire Notification
To AL 4 - QASAS Notified
0104 702 @ 0.11 Clear
0107 702 @ 0.09 Clear
Unmask Site

DESERET CHEMICAL DEPOT

PRESS RELEASE

May 9, 2000
STACK ALARM
(1-1-1)
FOR IMMEDIATE RELEASE

TOOELE CHEMICAL AGENT DISPOSAL FACILITY (TOCDF), DESERET CHEMICAL DEPOT, STOCKTON, UT. – A chemical agent alarm sounded in the common stack of the Tooele Chemical Agent Disposal Facility at 11:26 p.m. yesterday.

Following standard procedures the site immediately masked as a precautionary measure at the sound of the alarm.

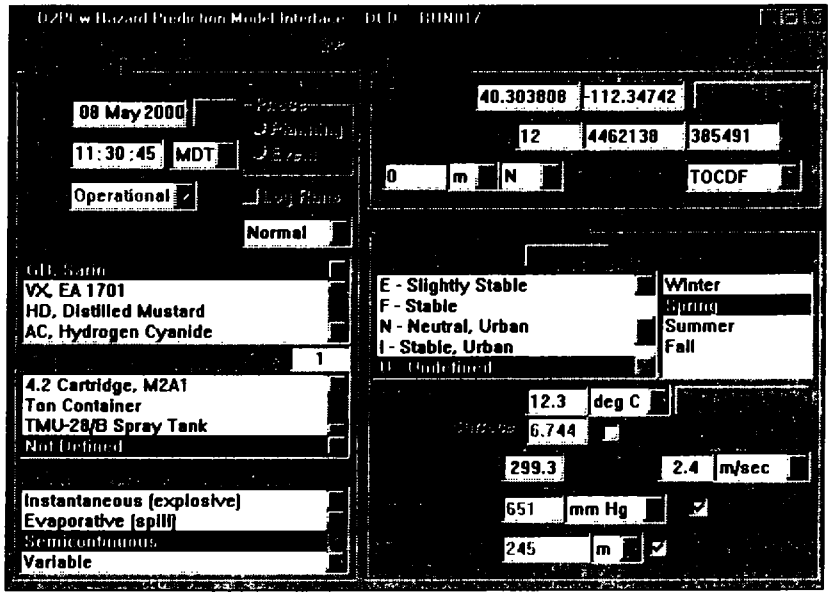
No agent was being processed and furnace temperature was sufficient to destroy any agent that might have been present in the system. No processing will occur until the cause of the alarm is determined.

There was no danger to the surrounding communities.

~~Cause of the alarm is under investigation.~~

-30-

For more information call Jon Pettebone, Deseret Chemical Depot Public Affairs Office, at 833-4575.


08 May 2000
11:30:45
MDT
Operational
Normal
VX, EA 1701
HD, Distilled Mustard
AC, Hydrogen Cyanide
1
4.2 Cartridge, M2A1
Ton Container
TMU-28/B Spray Tank
Not Defined
Instantaneous (explosive)
Evaporative (spill)
Variable
40.303808
-112.34742
12
4462138
385491
0
m
N
TOCDF
E - Slightly Stable
F - Stable
N - Neutral, Urban
I - Stable, Urban
Winter
Spring
Summer
Fall
12.3
deg C
6.744
299.3
2.4
m/sec
651
mm Hg
245
m

EMIS 3.1
IBM-PC VERSION

Event ID: 004
Run ID: 017
Plume ID: GB NON-1 2.4m/s@299.3 SEM stb:U

Event Site: DESERET CHEMICAL DEPOT
Date/Time of Event: Mon May 8 11:30:45 MDT 2000
Date/Time of Model Run: Tue May 9 06:54:17 MDT 2000

Agent: GB
Release: NON 1 SEM
Location: 40 18 13.71 N 112 20 50.71 W
Igloo: TOCDF
Igloo Distance: 0 meter(s) N

Wind Direction: 299.3 deg (from)
Wind Speed: 2.4 m/s (5.37 mph)
Stability Class: U (auto stability calculates F)
Auto Stb Method: Temp Gradient/Solar Radiation
Wind Sigma: 7.5 degrees
Air Temp: 12.3 C (54.1 F)
Surface Temp: 6.7 C (44.1 F)
Met Change: None
Wedge Angle: +/- 33 deg

Dosages:
Distance to "1% LETHALITY": 0.00 mi (1.7 m)
Distance to "NO DEATHS": 0.00 mi (2.4 m)
Distance to "NO EFFECTS": 0.01 mi (13.2 m)
Concentrations:
Distance to "DAAMS": 0.01 mi (23.8 m)

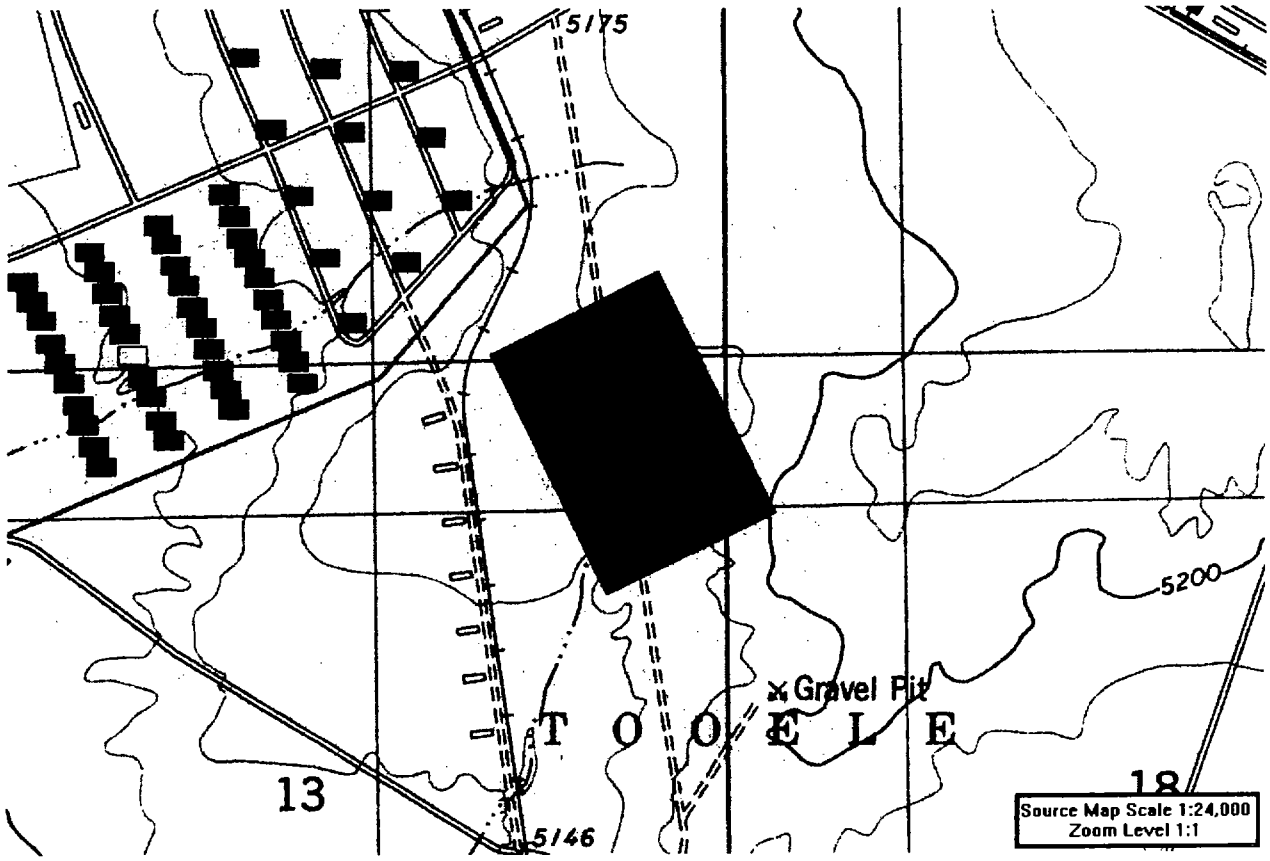
The PARDOS model cannot be run for this plume.
The D2PC plume is shorter than the minimum length (100m)
that PARDOS can work with.

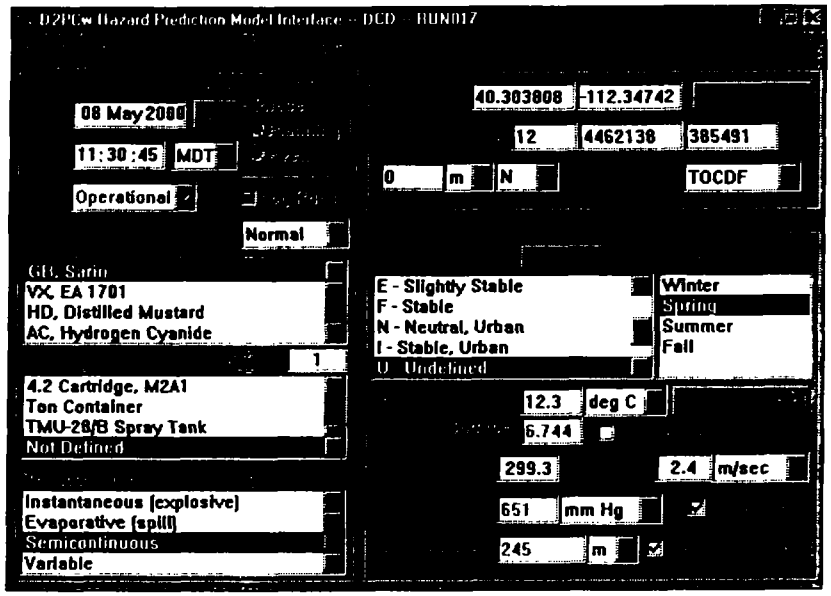
```
            ---------------------------------------
            | DOWNWIND HAZARD PROGRAM D2PC V2.0.8 |
            ---------------------------------------
     TYPE ? FOR DEFINITIONS

  1. YOUR NOVICE LEVEL: 3,2,1 OR 0 NOV
  INPUT: 0

   . LOCATION                          LOC
  INPUT: DPG

  3. SEASON                            SEA
  INPUT: SPR

  5. MUNITION TYPE                     MUN
  INPUT: NON

  6. AGENT TYPE                        AGN
  INPUT: GB

  8. RELEASE TYPE                      REL
  INPUT: SEM

  9. STABILITY TYPE                    STB
  INPUT: U

 10. WINDSPEED (M/SEC)                 WND
  INPUT: 2.4000001

 11. ALF, SYR(M), BTA, SZR(M)
  INPUT: 0.69999999    13.08997      0.75          2.5
 BRT=25. DI=       .5      6.0     10.0

 13. Q()(MG), TQ()(MIN)
  INPUT: 1
  .394000E+03    .260000E+02
 ALL OTHER INPUT
 NMU 1
    ' 12.3
 ...J 3
 ALL
  2. LOCATION                          LOC  DPG
  3. SEASON                            SEA  SPR
  5. MUNITION TYPE                     MUN  NON
  6. AGENT TYPE                        AGN  GB
  8. RELEASE TYPE                      REL  SEM
  9. STABILITY TYPE                    STB  U
 10. WINDSPEED (M/SEC)                 WND      2.40
 11. ALF, SYR(M), BTA, SZR(M)                    .70     13.09        .75       2.50
 BRT=25. DI=       .5      6.0     10.0
 13. Q()(MG), TQ()(MIN)                3.940E+02 2.600E+01

 ALL OTHER INPUT
 SYR 13.08997
 2MC 0
 HLD 2MC
 ALL


    1 MUN:NON  AGN:GB  REL:SEM  WND= 2.4(M/S)  TMP=12.3(C)  DPG-SPR STB:U

    Q(MG)    TS(MIN)  HTS(M)    HML(M)    SXS(M)    SYS(M)    SZS(M)
 3.940E+02 2.60E+01 0.00E+00 2.45E+02 0.00E+00 0.00E+00 0.00E+00  U

    ALF    SYR    BTA    SZR         XY(M)    XZ(M)     U(M/S)
    .70 13.09    .75   2.50        0.0E+00 0.0E+00     2.40

      DOSAGE CONTOURS     1.     6.    10.

       X        DP    CONTOUR HALF-WIDTH
         1. 2.114E+01     1.     1.     1.

         2. (M) IS DISTANCE TO 1% LETHALITY
```

```
         2. (M) IS DISTANCE TO NO DEATHS

        10. 7.501E-01    2.

        13. (M) IS DISTANCE TO NO EFFECTS


   DOSAGE     AREA
 1.000E+01 1.275E+01
 6.000E+00 1.654E+01
 5.000E-01 7.557E+01
ALL OTHER INPUT
RST
    TYPE ? FOR DEFINITIONS

 1. YOUR NOVICE LEVEL: 3,2,1 OR 0 NOV
 INPUT: 0

 2. LOCATION                        LOC
 INPUT: DPG

 3. SEASON                          SEA
 INPUT: SPR

 5. MUNITION TYPE                   MUN
 INPUT: NON

 6. AGENT TYPE                      AGN
 INPUT: GB

 8. RELEASE TYPE                    REL
 INPUT: SEM

 9. STABILITY TYPE                  STB
 INPUT: U

    WINDSPEED (M/SEC)               WND
 INPUT: 2.4000001

11. ALF, SYR(M), BTA, SZR(M)
 INPUT: 0.69999999    13.08997      0.75          2.5
BRT=25. DI=      .5     6.0    10.0

13. Q()(MG), TQ()(MIN)
 INPUT: 1
 .394000E+03   .260000E+02
ALL OTHER INPUT
IMA 1
 DEFINE NCI
NMU 1
TMP 12.3
OPO 3
ALL
 2. LOCATION                        LOC  DPG
 3. SEASON                          SEA  SPR
 5. MUNITION TYPE                   MUN  NON
 6. AGENT TYPE                      AGN  GB
 8. RELEASE TYPE                    REL  SEM
 9. STABILITY TYPE                  STB  U
10. WINDSPEED (M/SEC)               WND      2.40
11. ALF, SYR(M), BTA, SZR(M)                  .70     13.09       .75      2.50
13. Q()(MG), TQ()(MIN)               3.940E+02 2.600E+01

ALL OTHER INPUT
NCI 1
 INPUT: CI()S  (ASCENDING)
 0082
  . OTHER INPUT
SYR 13.08997
2MC 0
HLD 2MC
```

ALL

```
  1 MUN:NON  AGN:GB  REL:SEM  WND= 2.4(M/S)  TMP=12.3(C)  DPG-SPR STB:U

   Q(MG)     TS(MIN)    HTS(M)     HML(M)       WND
 3.940E+02 2.600E+01 0.000E+00 2.450E+02 2.400E+00      U

  ALF   SYR   BTA   SZR        SYS(M)  SZS(M)  XY(M)   XZ(M)   XC(M)
  .70 13.09   .75  2.50       0.0E+00 0.0E+00 0.0E+00 0.0E+00 2.0E+04

     CONCENTRATIONS    0.

      X       CP    CONTOUR HALF-WIDTHS
       1. 8.131E-01    2.
      10. 2.885E-02    4.
      20. 1.056E-02    3.

      24.*  8.200E-03
      30. 5.866E-03


   C        AREA
8.200E-03 1.748E+02

ALL OTHER INPUT
STP
```


5175
5200
Gravel Pit
T O O E L E
13
18
5146
Source Map Scale 1:24,000
Zoom Level 1:1


D2PCw Hazard Prediction Model Interface - DCD - RUN017
08 May 2000
11:30:45
MDT
Operational
Normal
40.303808
-112.34742
12
4462138
385491
0
m
N
TOCDF
GB, Sarin
VX, EA 1701
HD, Distilled Mustard
AC, Hydrogen Cyanide
1
4.2 Cartridge, M2A1
Ton Container
TMU-28/B Spray Tank
Not Defined
Instantaneous (explosive)
Evaporative (spill)
Semicontinuous
Variable
E - Slightly Stable
F - Stable
N - Neutral, Urban
I - Stable, Urban
U - Undefined
Winter
Spring
Summer
Fall
12.3
deg C
6.744
299.3
2.4
m/sec
651
mm Hg
245
m

EMIS 3.1
IBM-PC VERSION

Event ID: 004
Run ID: 017
Plume ID: GB NON-1 2.4m/s@299.3 SEM stb:U

. ıt Site: DESERET CHEMICAL DEPOT
Date/Time of Event: Mon May 8 11:30:45 MDT 2000
Date/Time of Model Run: Tue May 9 06:54:17 MDT 2000

Agent: GB
Release: NON 1 SEM
Location: 40 18 13.71 N 112 20 50.71 W
Igloo: TOCDF
Igloo Distance: 0 meter(s) N

Wind Direction: 299.3 deg (from)
Wind Speed: 2.4 m/s (5.37 mph)
Stability Class: U (auto stability calculates F)
Auto Stb Method: Temp Gradient/Solar Radiation
Wind Sigma: 7.5 degrees
Air Temp: 12.3 C (54.1 F)
Surface Temp: 6.7 C (44.1 F)
Met Change: None
Wedge Angle: +/- 33 deg

Dosages:
Distance to "1% LETHALITY": 0.00 mi (1.7 m)
Distance to "NO DEATHS": 0.00 mi (2.4 m)
Distance to "NO EFFECTS": 0.01 mi (13.2 m)
Concentrations:
Distance to "DAAMS": 0.01 mi (23.8 m)

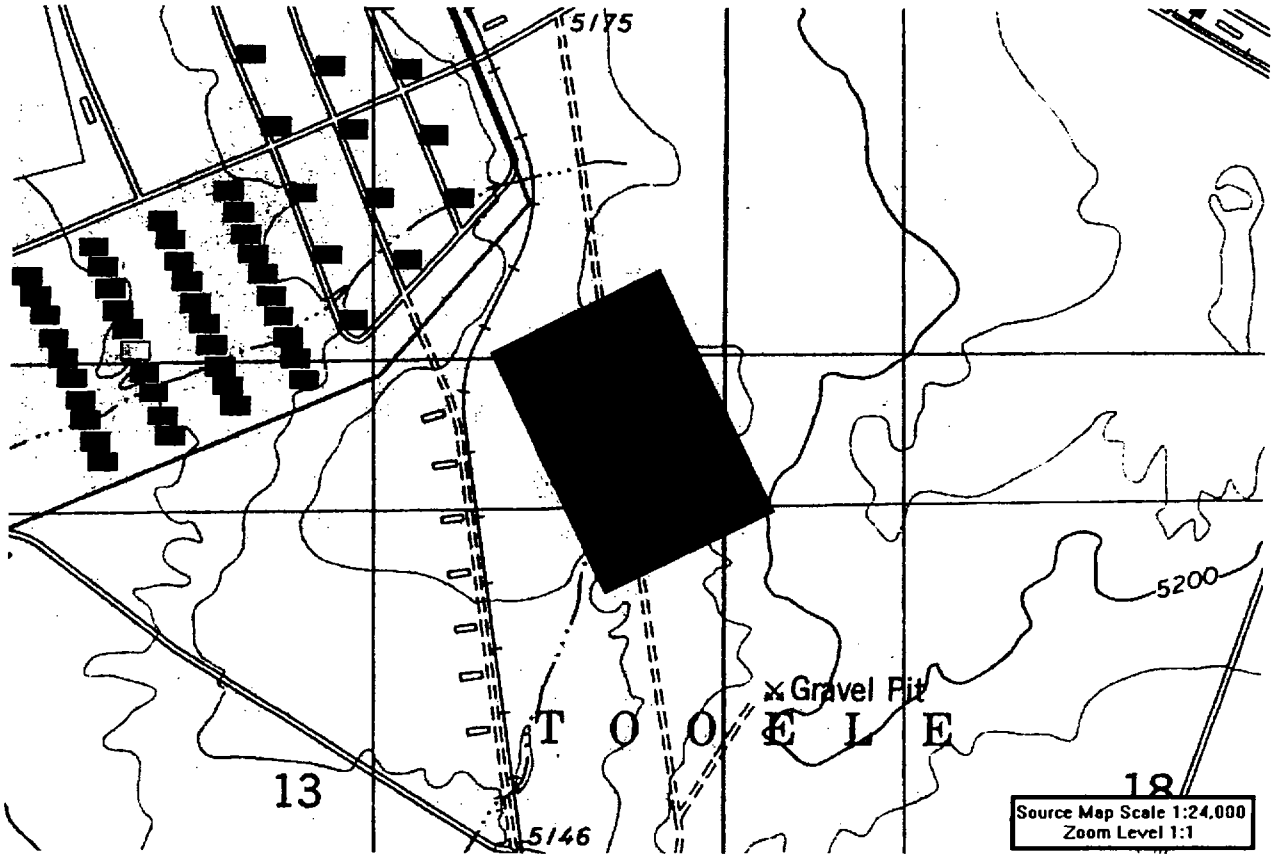
The PARDOS model cannot be run for this plume.
The D2PC plume is shorter than the minimum length (100m)
that PARDOS can work with.

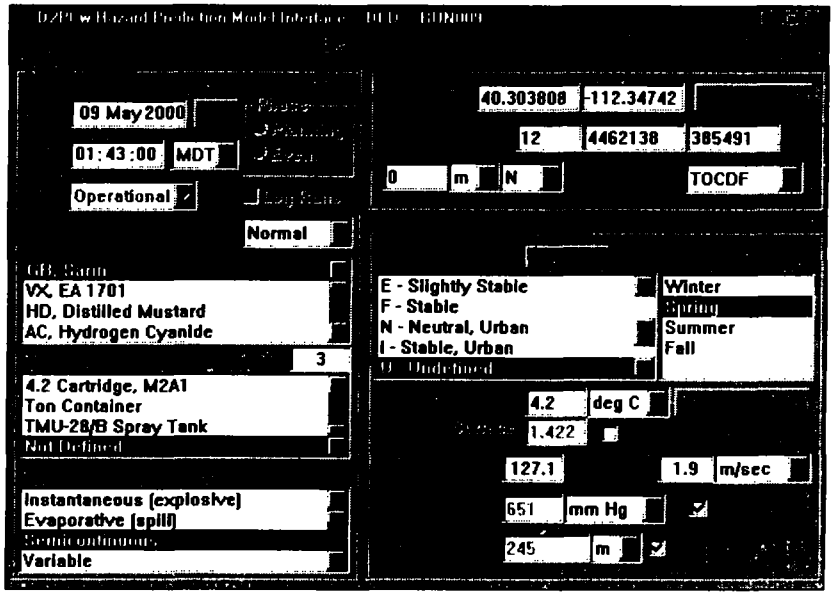
```
            ----------------------------------------
            | DOWNWIND HAZARD PROGRAM D2PC V2.0.8 |
            ----------------------------------------
     TYPE ? FOR DEFINITIONS

  1. YOUR NOVICE LEVEL: 3,2,1 OR 0 NOV
   INPUT: 0

  2. LOCATION                          LOC
  INPUT: DPG

  3. SEASON                            SEA
  INPUT: SPR

  5. MUNITION TYPE                     MUN
  INPUT: NON

  6. AGENT TYPE                        AGN
  INPUT: GB

  8. RELEASE TYPE                      REL
  INPUT: SEM

  9. STABILITY TYPE                    STB
  INPUT: U

 10. WINDSPEED (M/SEC)                 WND
  INPUT: 2.4000001

 11. ALF, SYR(M), BTA, SZR(M)
  INPUT: 0.69999999    13.08997      0.75          2.5
 BRT=25. DI=       .5      6.0     10.0

 13. Q()(MG), TQ()(MIN)
  INPUT: 1
  .394000E+03    .260000E+02
 ALL OTHER INPUT
     1
 12.3
 OPO 3
 ALL
  2. LOCATION                          LOC  DPG
  3. SEASON                            SEA  SPR
  5. MUNITION TYPE                     MUN  NON
  6. AGENT TYPE                        AGN  GB
  8. RELEASE TYPE                      REL  SEM
  9. STABILITY TYPE                    STB  U
 10. WINDSPEED (M/SEC)                 WND      2.40
 11. ALF, SYR(M), BTA, SZR(M)                    .70     13.09        .75       2.50
 BRT=25. DI=       .5      6.0     10.0
 13. Q()(MG), TQ()(MIN)                3.940E+02 2.600E+01

 ALL OTHER INPUT
 SYR 13.08997
 2MC 0
 HLD 2MC
 ALL


    1 MUN:NON  AGN:GB  REL:SEM  WND= 2.4(M/S)  TMP=12.3(C)  DPG-SPR STB:U

    Q(MG)    TS(MIN)   HTS(M)    HML(M)    SXS(M)    SYS(M)    SZS(M)
 3.940E+02 2.60E+01 0.00E+00 2.45E+02 0.00E+00 0.00E+00 0.00E+00   U

    ALF    SYR    BTA    SZR          XY(M)    XZ(M)     U(M/S)
    .70 13.09    .75   2.50         0.0E+00 0.0E+00     2.40

      DOSAGE CONTOURS     1.     6.    10.

      X        DP     CONTOUR HALF-WIDTH
        1. 2.114E+01     1.     1.     1.

        2. (M) IS DISTANCE TO 1% LETHALITY
```

```
         2. (M) IS DISTANCE TO NO DEATHS

        10. 7.501E-01    2.

        13. (M) IS DISTANCE TO NO EFFECTS


    DOSAGE     AREA
  1.000E+01 1.275E+01
  6.000E+00 1.654E+01
  5.000E-01 7.557E+01
 ALL OTHER INPUT
 RST
     TYPE ? FOR DEFINITIONS

  1. YOUR NOVICE LEVEL: 3,2,1 OR 0 NOV
  INPUT: 0

  2. LOCATION                        LOC
  INPUT: DPG

  3. SEASON                          SEA
  INPUT: SPR

  5. MUNITION TYPE                   MUN
  INPUT: NON

  6. AGENT TYPE                      AGN
  INPUT: GB

  8. RELEASE TYPE                    REL
  INPUT: SEM

  9. STABILITY TYPE                  STB
  INPUT: U

 . . WINDSPEED (M/SEC)               WND
  INPUT: 2.4000001

 11. ALF, SYR(M), BTA, SZR(M)
  INPUT: 0.69999999    13.08997      0.75          2.5
 BRT=25. DI=      .5     6.0    10.0

 13. Q()(MG), TQ()(MIN)
  INPUT: 1
  .394000E+03   .260000E+02
 ALL OTHER INPUT
 IMA 1
  DEFINE NCI
 NMU 1
 TMP 12.3
 OPO 3
 ALL
  2. LOCATION                        LOC  DPG
  3. SEASON                          SEA  SPR
  5. MUNITION TYPE                   MUN  NON
  6. AGENT TYPE                      AGN  GB
  8. RELEASE TYPE                    REL  SEM
  9. STABILITY TYPE                  STB  U
 10. WINDSPEED (M/SEC)               WND      2.40
 11. ALF, SYR(M), BTA, SZR(M)                  .70     13.09        .75       2.50
 13. Q()(MG), TQ()(MIN)               3.940E+02 2.600E+01

 ALL OTHER INPUT
 NCI 1
  INPUT: CI()S   (ASCENDING)
  )82
 ALL OTHER INPUT
 SYR 13.08997
 2MC 0
 HLD 2MC
```

ALL

```
   1 MUN:NON  AGN:GB  REL:SEM  WND= 2.4(M/S)  TMP=12.3(C)  DPG-SPR STB:U

    Q(MG)     TS(MIN)    HTS(M)     HML(M)       WND
  3.940E+02 2.600E+01 0.000E+00 2.450E+02 2.400E+00      U

   ALF    SYR    BTA    SZR         SYS(M)   SZS(M)   XY(M)    XZ(M)    XC(M)
   .70 13.09    .75   2.50        0.0E+00 0.0E+00 0.0E+00 0.0E+00 2.0E+04

      CONCENTRATIONS     0.

       X        CP     CONTOUR HALF-WIDTHS
        1. 8.131E-01     2.
       10. 2.885E-02     4.
       20. 1.056E-02     3.

       24.*  8.200E-03
       30. 5.866E-03


    C         AREA
8.200E-03 1.748E+02

ALL OTHER INPUT
STP
```


5175
5200
Gravel Pit
T O O E L E
13
18
5146
Source Map Scale 1:24,000
Zoom Level 1:1


09 May 2000
01:43:00
MDT
Operational
Normal
VX, EA 1701
HD, Distilled Mustard
AC, Hydrogen Cyanide
3
4.2 Cartridge, M2A1
Ton Container
TMU-28/B Spray Tank
Instantaneous (explosive)
Evaporative (spill)
Variable
40.303808
-112.34742
12
4462138
385491
0
m
N
TOCDF
E - Slightly Stable
F - Stable
N - Neutral, Urban
I - Stable, Urban
Winter
Spring
Summer
Fall
4.2
deg C
1.422
127.1
1.9
m/sec
651
mm Hg
245
m

EMIS 3.1
IBM-PC VERSION

Event ID: 004
Run ID: 009
Plume ID: GB NON-3 1.9m/s@127.1 SEM stb:U

F ıt Site: DESERET CHEMICAL DEPOT
L e/Time of Event: Tue May 9 01:43:00 MDT 2000
Date/Time of Model Run: Tue May 9 01:44:21 MDT 2000

Agent: GB
Release: NON 3 SEM
Location: 40 18 13.71 N 112 20 50.71 W
Igloo: TOCDF
Igloo Distance: 0 meter(s) N

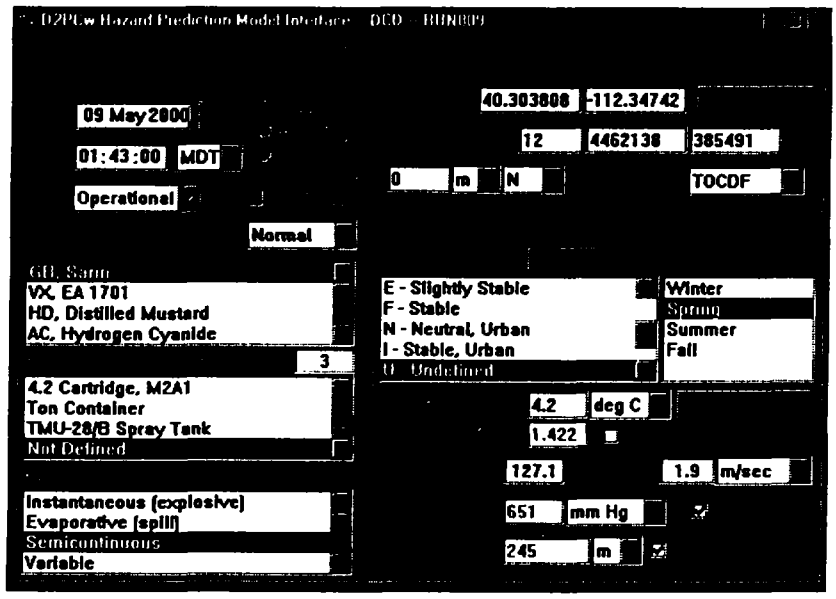
Wind Direction: 127.1 deg (from)
Wind Speed: 1.9 m/s (4.25 mph)
Stability Class: U (auto stability calculates E)
Auto Stb Method: Temp Gradient/Solar Radiation
Wind Sigma: 6.3 degrees
Air Temp: 4.2 C (39.6 F)
Surface Temp: 1.4 C (34.6 F)
Met Change: None
Wedge Angle: +/- 27 deg

Dosages:
Distance to "1% LETHALITY": 0.00 mi (0.0 m)
Distance to "NO DEATHS": 0.00 mi (0.0 m)
Distance to "NO EFFECTS": 0.00 mi (0.0 m)

The PARDOS model cannot be run for this plume.
There were no points in the D2PC plume, so there is
nothing for PARDOS to work with.

```
            ----------------------------------------
            | DOWNWIND HAZARD PROGRAM D2PC V2.0.8 |
            ----------------------------------------
     TYPE ? FOR DEFINITIONS

  1. YOUR NOVICE LEVEL: 3,2,1 OR 0 NOV
  INPUT: 0

   . LOCATION                          LOC
  INPUT: DPG

  3. SEASON                            SEA
  INPUT: SPR

  5. MUNITION TYPE                     MUN
  INPUT: NON

  6. AGENT TYPE                        AGN
  INPUT: GB

  8. RELEASE TYPE                      REL
  INPUT: SEM

  9. STABILITY TYPE                    STB
  INPUT: U

 10. WINDSPEED (M/SEC)                 WND
  INPUT: 1.9

 11. ALF, SYR(M), BTA, SZR(M)
  INPUT: 0.80000001    10.995574     0.80000001    3.5
 BRT=25. DI=      .5     6.0    10.0

 13. Q()(MG), TQ()(MIN)
  INPUT: 1.
  .606524E+01   .325000E+01
 ALL OTHER INPUT
 NMU 3
     4.1999998
 CLO 3
 ALL
  2. LOCATION                         LOC  DPG
  3. SEASON                           SEA  SPR
  5. MUNITION TYPE                    MUN  NON
  6. AGENT TYPE                       AGN  GB
  8. RELEASE TYPE                     REL  SEM
  9. STABILITY TYPE                   STB  U
 10. WINDSPEED (M/SEC)                WND      1.90
 11. ALF, SYR(M), BTA, SZR(M)                   .80     11.00       .80      3.50
 BRT=25. DI=      .5     6.0    10.0
 13. Q()(MG), TQ()(MIN)                6.065E+00 3.250E+00

 ALL OTHER INPUT
 HTS 30.6
 SYR 10.995574
 2MC 0
 HLD 2MC
 ALL


    3 MUN:NON  AGN:GB  REL:SEM  WND= 1.9(M/S)  TMP= 4.2(C)  DPG-SPR STB:U

    Q(MG)    TS(MIN)  HTS(M)    HML(M)    SXS(M)    SYS(M)    SZS(M)
 1.820E+01 3.25E+00 3.06E+01 2.45E+02 0.00E+00 0.00E+00 0.00E+00  U

    ALF    SYR    BTA    SZR         XY(M)    XZ(M)     U(M/S)
    .80 11.00    .80   3.50        0.0E+00 0.0E+00     1.90

      DOSAGE CONTOURS     1.     6.    10.

       X        DP     CONTOUR HALF-WIDTH

 MINIMUM DOSAGE NOT ATTAINED
```

```
   XDMAX          DMAX
      50.         .000E+00

   DOSAGE      AREA
 1.000E+01 0.000E+00
 6.000E+00 0.000E+00
 [illegible].000E-01 0.000E+00
  ⌋ OTHER INPUT
STP
```


09 May 2000
01:43:00
MDT
Operational
Normal
40.303808
-112.34742
12
4462136
385491
0
m
N
TOCDF
VX, EA 1701
HD, Distilled Mustard
AC, Hydrogen Cyanide
3
4.2 Cartridge, M2A1
Ton Container
TMU-28/B Spray Tank
Not Defined
Instantaneous (explosive)
Evaporative (spill)
Semicontinuous
Variable
E - Slightly Stable
F - Stable
N - Neutral, Urban
I - Stable, Urban
Winter
Summer
Fall
4.2
deg C
1.422
127.1
1.9
m/sec
651
mm Hg
245
m

EMIS 3.1
IBM-PC VERSION

Event ID: 004
Run ID: 009
Plume ID: GB NON-3 1.9m/s@127.1 SEM stb:U

E .t Site: DESERET CHEMICAL DEPOT
Date/Time of Event: Tue May 9 01:43:00 MDT 2000
Date/Time of Model Run: Tue May 9 01:44:21 MDT 2000

Agent: GB
Release: NON 3 SEM
Location: 40 18 13.71 N 112 20 50.71 W
Igloo: TOCDF
Igloo Distance: 0 meter(s) N

Wind Direction: 127.1 deg (from)
Wind Speed: 1.9 m/s (4.25 mph)
Stability Class: U (auto stability calculates E)
Auto Stb Method: Temp Gradient/Solar Radiation
Wind Sigma: 6.3 degrees
Air Temp: 4.2 C (39.6 F)
Surface Temp: 1.4 C (34.6 F)
Met Change: None
Wedge Angle: +/- 27 deg

Dosages:
Distance to "1% LETHALITY": 0.00 mi (0.0 m)
Distance to "NO DEATHS": 0.00 mi (0.0 m)
Distance to "NO EFFECTS": 0.00 mi (0.0 m)

The PARDOS model cannot be run for this plume.
There were no points in the D2PC plume, so there is
nothing for PARDOS to work with.

```
            ----------------------------------------
            | DOWNWIND HAZARD PROGRAM D2PC V2.0.8 |
            ----------------------------------------
     TYPE ? FOR DEFINITIONS

   1. YOUR NOVICE LEVEL: 3,2,1 OR 0 NOV
    INPUT: 0

   2. LOCATION                          LOC
   INPUT: DPG

   3. SEASON                            SEA
   INPUT: SPR

   5. MUNITION TYPE                     MUN
   INPUT: NON

   6. AGENT TYPE                        AGN
   INPUT: GB

   8. RELEASE TYPE                      REL
   INPUT: SEM

   9. STABILITY TYPE                    STB
   INPUT: U

  10. WINDSPEED (M/SEC)                 WND
   INPUT: 1.9

  11. ALF, SYR(M), BTA, SZR(M)
   INPUT: 0.80000001    10.995574     0.80000001    3.5
  BRT=25. DI=      .5     6.0    10.0

  13. Q()(MG), TQ()(MIN)
   INPUT: 1.
   .606524E+01    .325000E+01
  ALL OTHER INPUT
  :    3
  1... 4.1999998
  OPO 3
  ALL
   2. LOCATION                          LOC  DPG
   3. SEASON                            SEA  SPR
   5. MUNITION TYPE                     MUN  NON
   6. AGENT TYPE                        AGN  GB
   8. RELEASE TYPE                      REL  SEM
   9. STABILITY TYPE                    STB  U
  10. WINDSPEED (M/SEC)                 WND      1.90
  11. ALF, SYR(M), BTA, SZR(M)                    .80     11.00        .80       3.50
  BRT=25. DI=      .5     6.0    10.0
  13. Q()(MG), TQ()(MIN)                6.065E+00 3.250E+00

  ALL OTHER INPUT
  HTS 30.6
  SYR 10.995574
  2MC 0
  HLD 2MC
  ALL


     3 MUN:NON  AGN:GB  REL:SEM  WND= 1.9(M/S)  TMP= 4.2(C)  DPG-SPR STB:U

     Q(MG)    TS(MIN)   HTS(M)    HML(M)    SXS(M)    SYS(M)    SZS(M)
  1.820E+01 3.25E+00 3.06E+01 2.45E+02 0.00E+00 0.00E+00 0.00E+00  U

     ALF    SYR    BTA    SZR         XY(M)    XZ(M)     U(M/S)
     .80 11.00    .80   3.50        0.0E+00 0.0E+00     1.90

       DOSAGE CONTOURS     1.     6.    10.

        X        DP     CONTOUR HALF-WIDTH

  MINIMUM DOSAGE NOT ATTAINED
```

```
   XDMAX          DMAX
      50.         .000E+00

   DOSAGE      AREA
 1.000E+01 0.000E+00
   000E+00 0.000E+00
 ..000E-01 0.000E+00
ALL OTHER INPUT
STP
```