

**9:45 AM**  
**Dose**  
**Projection**  
**Result**





SITE: PLANT HATCH

TITLE: TOTAL EFFECTIVE DOSE EQUIV(TEDE) RATE

PERIOD: 0.25 HOUR PROJECTION SCALE: 1.0 MILES

MENU B

MODEL: PROJECTED-PLUME SEGMENT

CURRENT TIME: 08/20/03 09:46

RUN TIME: 08/20/03 09:45

MET: FROM SCENARIO 10

CUR MET: WS= 5MPH, WD= 78, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 09:53

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 09:53

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 01

CUR REL RATE(CI/SEC): 1.4E-03

TOTAL CI: NG:8.5E+00, I:1.1E-01

P:0.0E+00

PEAK TEDE (MREM/HR) : 6.0E-03

DIR(TO): W DIST(MILES): 0.9

TEDE/EDE AT PEAK TEDE: 1.0E+00

PK THY CDE(MREM/HR) : 1.5E-02

DIR(TO): WSW DIST(MILES): 4.8

CONTOUR DOSE RATE  
LEGEND (MREM/HR)

1	1.0E-02+
2	1.0E-03-1.0E-02



POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

CONTINUE

**9:45 AM**  
**Field**  
**Monitoring**  
**Data**



SITE: PLANT HATCH

TITLE: FIELD MONITOR GAMMA + BETA DOSE RATE

PERIOD: 0.25 HOUR PROJECTION SCALE: 1.0 MILES



MENU B

MODEL: PROJECTED-PLUME SEGMENT

CURRENT TIME: 08/20/03 09:32

RUN TIME: 08/20/03 09:30

MET: FROM SCENARIO 10

CUR MET: WS= 6MPH, WD= 76, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 09:38

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 09:38

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 01

CUR REL RATE(CI/SEC): 1.1E-03

TOTAL CI: NG:7.3E+00, I:1.1E-01

P:0.0E+00

PEAK GAM&B (MREM/HR) : 8.0E-03

DIR(TO): WSW DIST(MILES): 1.4

CONTOUR LEGEND

	GAM+BETA (MR/HR)	OPEN WIN (MR/HR)	FRISKER (CPM)
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1	1.0E-02	1.0E-02	3.6E+01
2	1.0E-03	1.0E-03	3.6E+00

POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

CONTINUE



SITE: PLANT HATCH

TITLE: FIELD MONITOR GAMMA DOSE RATE  
PERIOD: 0.25 HOUR PROJECTION

SCALE: 0.25 MILES

MENU B

MODEL: PROJECTED-PLUME SEGMENT

CURRENT TIME: 08/20/03 09:32

RUN TIME: 08/20/03 09:30

MET: FROM SCENARIO 10

CUR MET: WS= 6MPH, WD= 76, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 09:38

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 09:38

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 01

CUR REL RATE(CI/SEC): 1.1E-03

TOTAL CI: NG:7.3E+00, I:1.1E-01

P:0.0E+00

PEAK GAMMA (MREM/HR) : 6.1E-03

DIR(TO): WSW DIST(MILES): 1.4

CONTOUR LEGEND

	GAM RATE (MR/HR)	CLSD WIN (MR/HR)	FRISKER (CPM)
--	---------------------	---------------------	------------------

1	1.0E-02	1.0E-02	3.6E+01
2	1.0E-03	1.0E-03	3.6E+00



POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

CONTINUE



SITE: PLANT HATCH

TITLE: FIELD MONITOR THYROID DOSE RATE

PERIOD: 0.25 HOUR PROJECTION

SCALE: 1.0 MILES

MENU B

MODEL: PROJECTED-PLUME SEGMENT

CURRENT TIME: 08/20/03 09:33

RUN TIME: 08/20/03 09:30

MET: FROM SCENARIO 10

CUR MET: WS= 6MPH, WD= 76, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 09:38

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 09:38

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 01

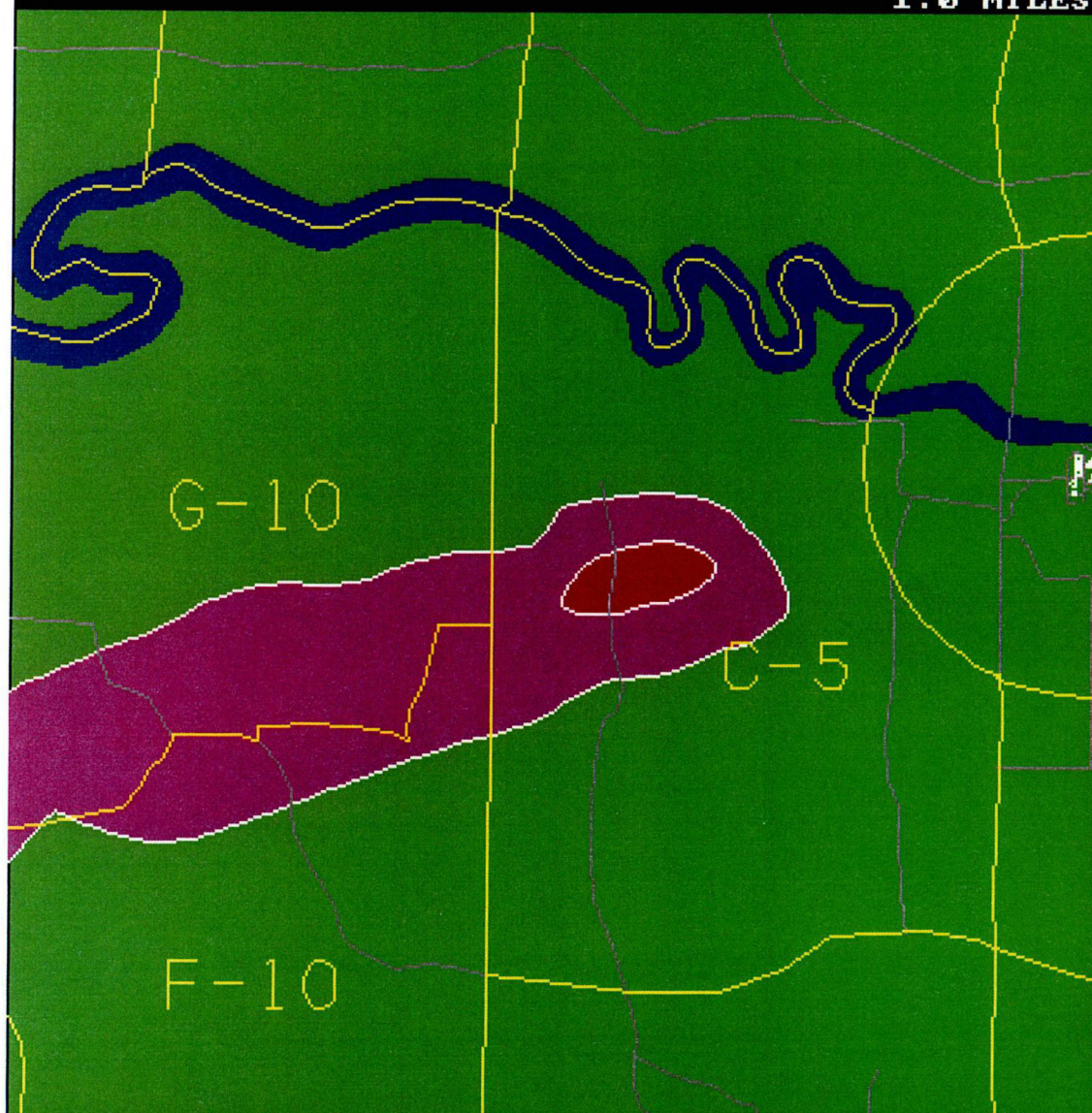
CUR REL RATE(CI/SEC): 1.1E-03

TOTAL CI: NG:7.3E+00, I:1.1E-01



P:0.0E+00

PEAK FM TH (MREM/HR) : 2.2E-02

DIR(To): WSW DIST(MILES): 4.3



CONTOUR LEGEND  
THY RATE (MR/HR) CARTRIDGE (CPM) FILTER (CPM)

1		1.0E-02	2.4E-02	8.5E-04
2		1.0E-03	2.4E-03	8.5E-05

POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

CONTINUE



SITE: PLANT HATCH  
 TITLE: GROUND CONTAMINATION  
 PERIOD: 0.25 HOUR PROJECTION

SCALE: 1.0 MILES

MENU B ISOTOPE: I-131  
 MODEL: PROJECTED-PLUME SEGMENT  
 CURRENT TIME: 08/20/03 09:38  
 RUN TIME: 08/20/03 09:30  
 MET: FROM SCENARIO 10  
 CUR MET: WS= 6MPH, WD= 76, ST=D  
 START OF INTEG: 08/20/03 09:23  
 END OF INTEG: 08/20/03 09:38  
 START RELEASE: 08/20/03 07:23  
 END RELEASE: 08/20/03 09:38  
 RELEASE: MONITOR VALUES FROM  
 SCENARIO 10 - ACCIDENT TYPE 01  
 CUR REL RATE(CI/SEC): 1.1E-03  
 TOTAL CI: NG:7.3E+00, I:1.1E-01  
 P:0.0E+00

PEAK CONC. (UCI/M\*\*2): 5.5E-04  
 DIR(TO): WSW DIST(MILES): 0.9



CONTOUR LEGEND	CONCENTRATION (UCI/M2)	EXCEEDS 1.3E+00 UCI/M2
1	4.0E-03+	
2	2.0E-03-4.0E-03	NOT
3	1.0E-03-2.0E-03	EXCEEDED
4	7.0E-04-1.0E-03	
5	4.0E-04-7.0E-04	
6	2.0E-04-4.0E-04	
7	1.0E-04-2.0E-04	
8	7.0E-05-1.0E-04	
9	4.0E-05-7.0E-05	
10	2.0E-05-4.0E-05	
11	1.0E-05-2.0E-05	
12	7.0E-06-1.0E-05	
13	4.0E-06-7.0E-06	
14	2.0E-06-4.0E-06	
15	1.0E-06-2.0E-06	

POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

CONTINUE

**10:00 AM**  
**Dose**  
**Projection**  
**Result**

MESSAGE NUMBER

2. SITE: PLANT HATCH                      UNIT:                      REPORTED BY:

**5. EMERGENCY CLASSIFICATION:**

7. EMERGENCY DESCRIPTION/REMARKS:

10. EMERGENCY RELEASE(S):

**\*\*13. ESTIMATE OF PROJECTED OFFSITE DOSE:**

\*\*14. METEOROLOGICAL DATA:

**15. RECOMMENDED PROTECTIVE ACTIONS:**

[A] NO RECOMMENDED PROTECTIVE ACTIONS  
[B] EVACUATE \_\_\_\_\_  
[C] SHELTER-IN-PLACE \_\_\_\_\_  
[D] OTHER \_\_\_\_\_

\* If Items 8-14 have not changed,  
only Items 1-7 and 15-16 are required to be completed.  
\*\*Information may not be available on initial notifications.



SITE: PLANT HATCH

TITLE: TOTAL EFFECTIVE DOSE EQUIV(TEDE) RATE

PERIOD: 0.25 HOUR PROJECTION SCALE: 1.0 MILES



MENU B

MODEL: PROJECTED-PLUME SEGMENT

CURRENT TIME: 08/20/03 10:02

RUN TIME: 08/20/03 10:00

MET: FROM SCENARIO 10

CUR MET: WS= 5MPH, WD= 80, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 10:08

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 10:08

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 03

CUR REL RATE(CI/SEC): 1.7E-03

TOTAL CI: NG:1.0E+01, I:1.2E-01

P:7.4E-04

PEAK TEDE (MREM/HR) : 6.4E-03

DIR(TO): W DIST(MILES): 1.4

TEDE/EDE AT PEAK TEDE: 1.1E+00

PK THY CDE(MREM/HR) : 1.3E-02

DIR(TO): W DIST(MILES): 1.1

CONTOUR DOSE RATE

LEGEND (MREM/HR)

1	1.0E-02+
2	1.0E-03-1.0E-02

POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

CONTINUE

**10:00 AM**  
**Field**  
**Monitoring**  
**Data**



SITE: PLANT HATCH

TITLE: FIELD MONITOR GAMMA + BETA DOSE RATE

PERIOD: 0.25 HOUR PROJECTION SCALE: 1.0 MILES



MENU B

MODEL: PROJECTED-PLUME SEGMENT

CURRENT TIME: 08/20/03 09:47

RUN TIME: 08/20/03 09:45

MET: FROM SCENARIO 10

CUR MET: WS= 5MPH, WD= 78, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 09:53

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 09:53

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 01

CUR REL RATE(CI/SEC): 1.4E-03

TOTAL CI: NG:8.5E+00, I:1.1E-01

P:0.0E+00

PEAK GAM&B (MREM/HR) : 7.5E-03

DIR(TO): W DIST(MILES): 0.9

CONTOUR LEGEND

	GAM+BETA (MR/HR)	OPEN WIN (MR/HR)	FRISKER (CPM)
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1	1.0E-02	1.0E-02	3.6E+01
2	1.0E-03	1.0E-03	3.6E+00

POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

CONTINUE



SITE: PLANT HATCH

TITLE: FIELD MONITOR GAMMA DOSE RATE  
PERIOD: 0.25 HOUR PROJECTION

SCALE: 0.25 MILES



MENU B

MODEL: PROJECTED-PLUME SEGMENT

CURRENT TIME: 08/20/03 09:48

RUN TIME: 08/20/03 09:45

MET: FROM SCENARIO 10

CUR MET: WS= 5MPH, WD= 78, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 09:53

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 09:53

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 01

CUR REL RATE(CI/SEC): 1.4E-03

TOTAL CI: NG:8.5E+00, I:1.1E-01

P:0.0E+00

PEAK GAMMA (MREM/HR) : 6.0E-03

DIR(TO): W DIST(MILES): 0.9

CONTOUR LEGEND

	GAM RATE (MR/HR)	CLSD WIN (MR/HR)	FRISKER (CPM)
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1	1.0E-02	1.0E-02	3.6E+01
2	1.0E-03	1.0E-03	3.6E+00

POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

CONTINUE

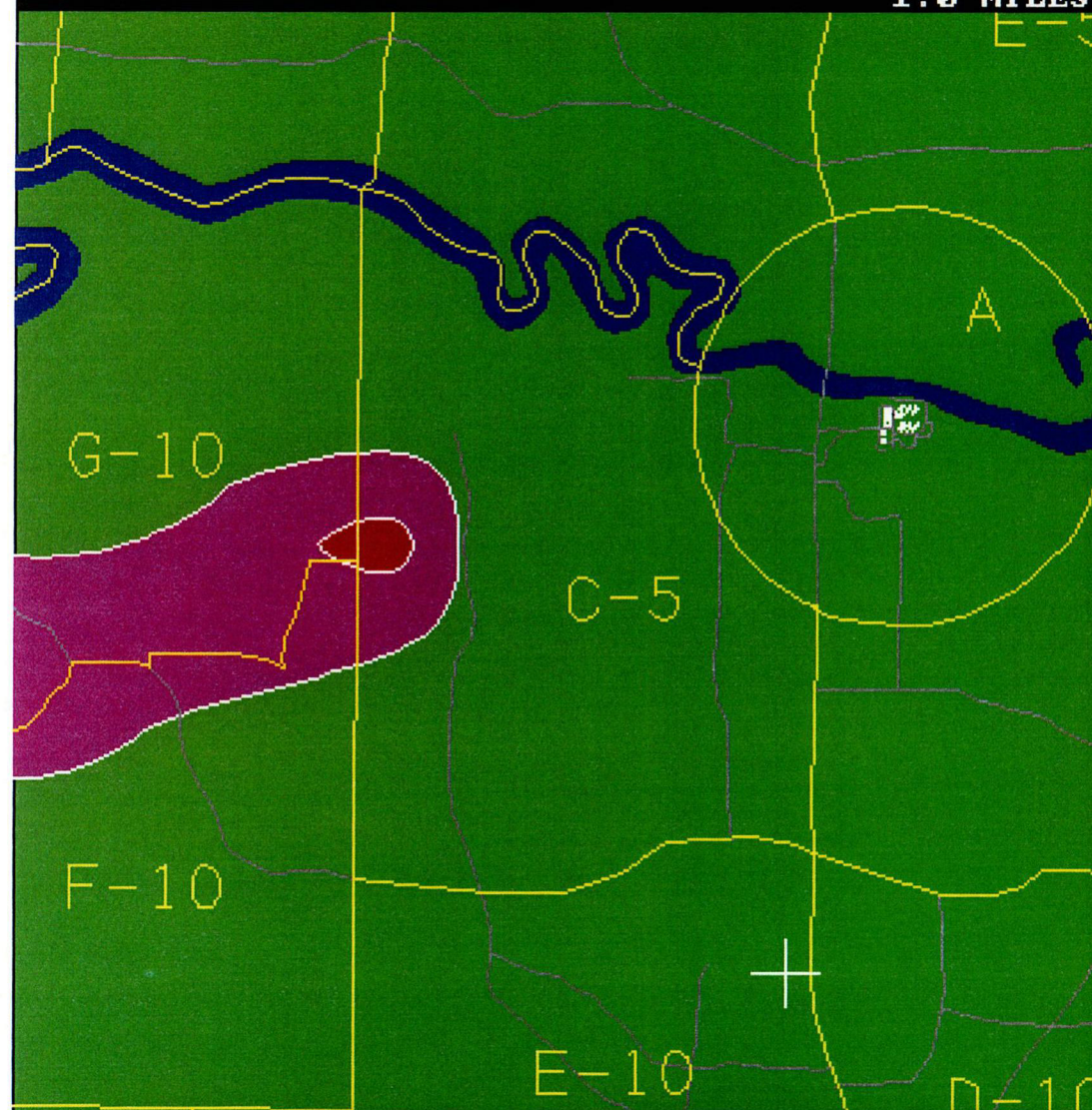


SITE: PLANT HATCH

TITLE: FIELD MONITOR THYROID DOSE RATE

PERIOD: 0.25 HOUR PROJECTION

SCALE: 1.0 MILES



MENU B

MODEL: PROJECTED-PLUME SEGMENT

CURRENT TIME: 08/20/03 09:48

RUN TIME: 08/20/03 09:45

MET: FROM SCENARIO 10

CUR MET: WS= 5MPH, WD= 78, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 09:53

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 09:53

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 01

CUR REL RATE(CI/SEC): 1.4E-03

TOTAL CI: NG:8.5E+00, I:1.1E-01

P:0.0E+00

PEAK FM TH (MREM/HR) : 1.5E-02

DIR(TO): WSW DIST(MILES): 4.8

CONTOUR LEGEND

THY RATE (MR/HR)	CARTDGE (CPM)	FILTER (CPM)
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1	1.0E-02	2.4E-02	8.5E-04
2	1.0E-03	2.4E-03	8.5E-05

POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

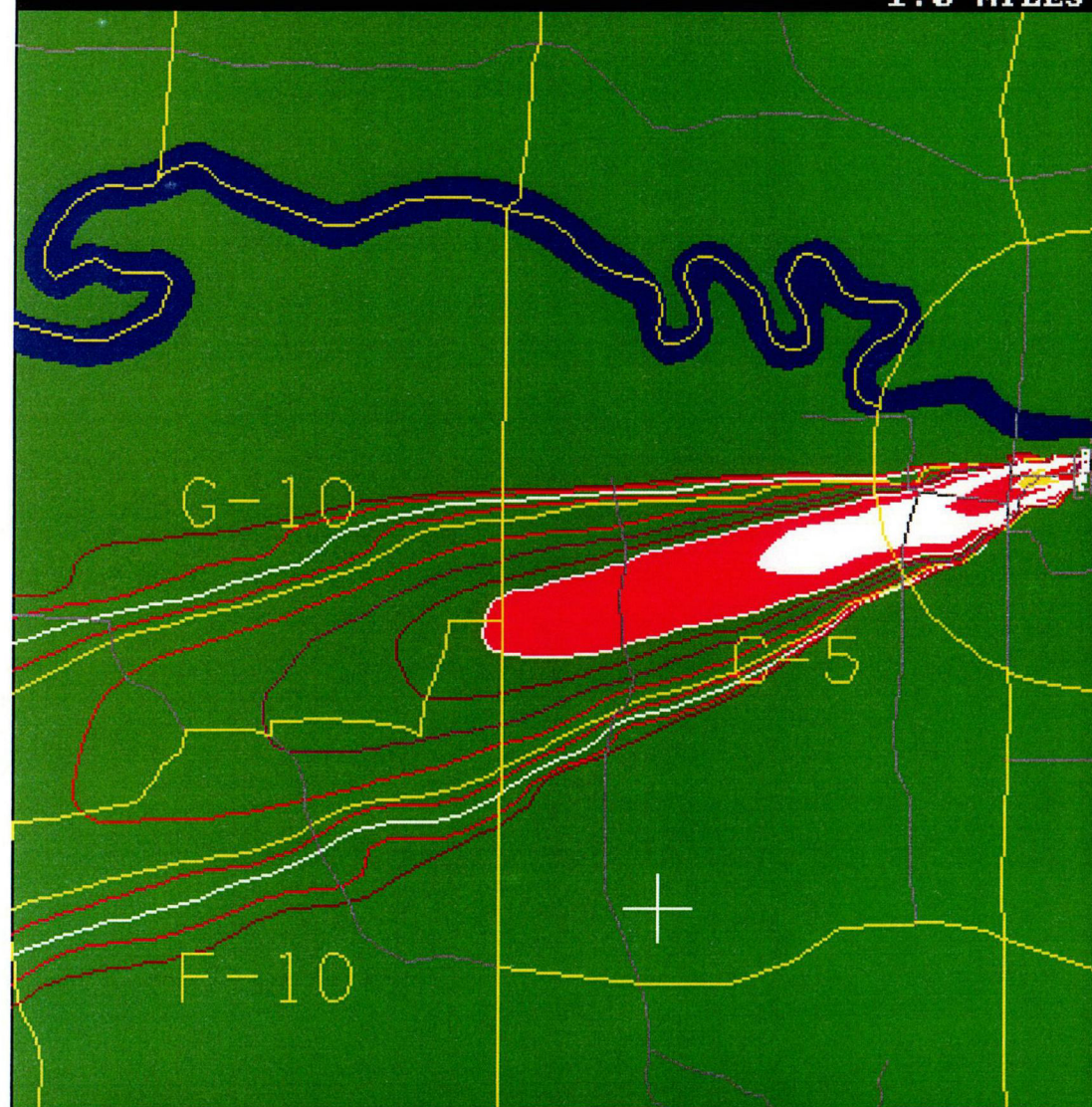
RESTORE

CONTINUE



SITE: PLANT HATCH  
 TITLE: GROUND CONTAMINATION  
 PERIOD: 0.25 HOUR PROJECTION

SCALE: 1.0 MILES



MENU B ISOTOPE: I-131  
 MODEL: PROJECTED-PLUME SEGMENT  
 CURRENT TIME: 08/20/03 09:49  
 RUN TIME: 08/20/03 09:45  
 MET: FROM SCENARIO 10  
 CUR MET: WS= 5MPH, WD= 78, ST=D  
 START OF INTEG: 08/20/03 09:38  
 END OF INTEG: 08/20/03 09:53  
 START RELEASE: 08/20/03 07:23  
 END RELEASE: 08/20/03 09:53  
 RELEASE: MONITOR VALUES FROM  
 SCENARIO 10 - ACCIDENT TYPE 01  
 CUR REL RATE(CI/SEC): 1.4E-03  
 TOTAL CI: NG:8.5E+00, I:1.1E-01  
 P:0.0E+00

PEAK CONC. (UCI/M\*\*2): 5.5E-04  
 DIR(TO): WSW DIST(MILES): 0.9

CONTOUR CONCENTRATION		EXCEEDS
LEGEND (UCI/M2)		1.3E+00
		UCI/M2
1	4.0E-03+	
2	2.0E-03-4.0E-03	NOT
3	1.0E-03-2.0E-03	EXCEEDED
4	7.0E-04-1.0E-03	
5	4.0E-04-7.0E-04	↓
6	2.0E-04-4.0E-04	
7	1.0E-04-2.0E-04	
8	7.0E-05-1.0E-04	
9	4.0E-05-7.0E-05	
10	2.0E-05-4.0E-05	
11	1.0E-05-2.0E-05	
12	7.0E-06-1.0E-05	
13	4.0E-06-7.0E-06	
14	2.0E-06-4.0E-06	
15	1.0E-06-2.0E-06	

POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

CONTINUE