

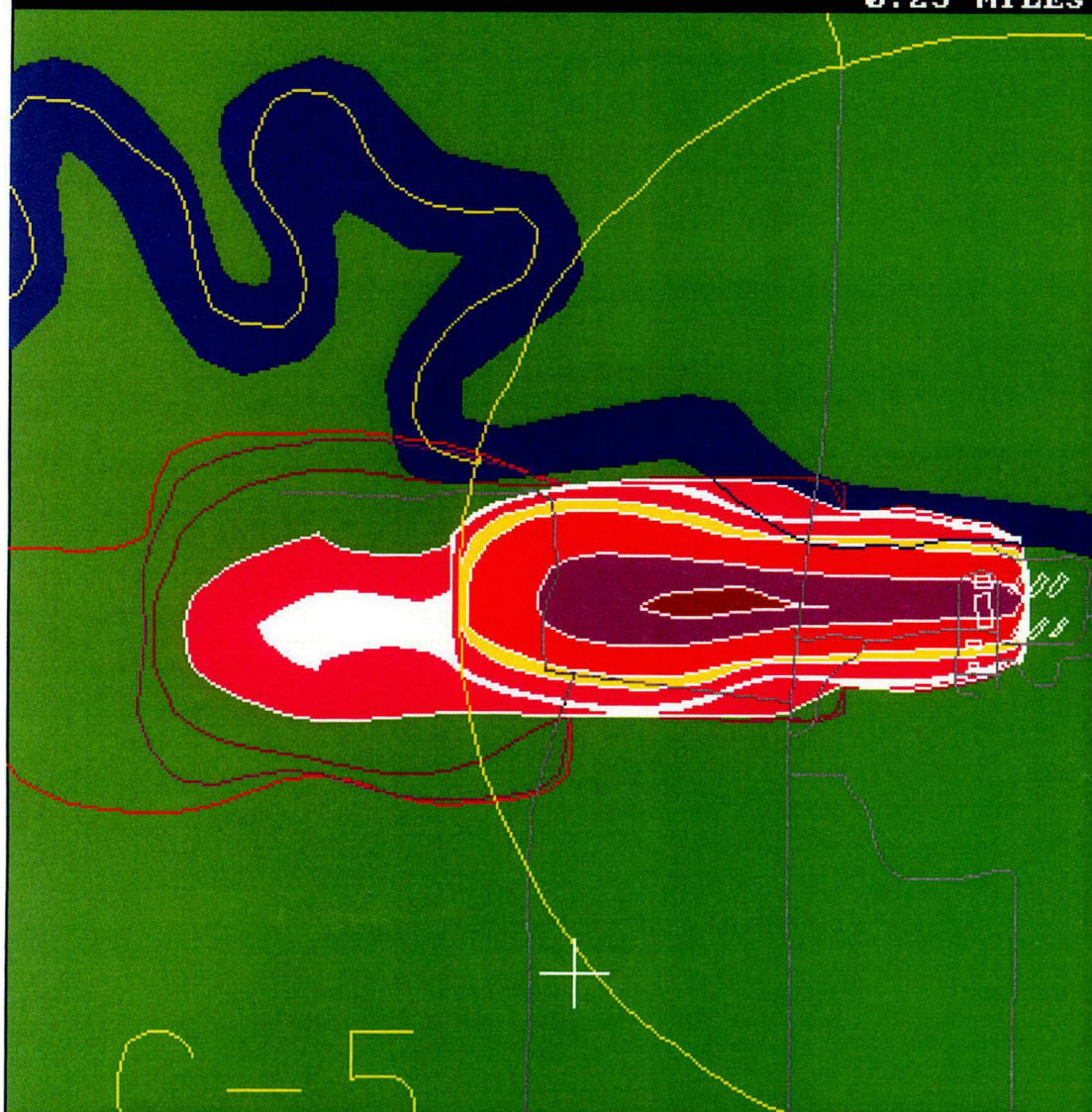
**11:45 AM**  
**Field**  
**Monitoring**  
**Data**

SITE: PLANT HATCH

TITLE: FIELD MONITOR GAMMA + BETA DOSE RATE

PERIOD: 0.25 HOUR PROJECTION

SCALE: 0.25 MILES



MENU B

MODEL: PROJECTED-PLUME SEGMENT

CURRENT TIME: 08/20/03 11:38

RUN TIME: 08/20/03 11:30

MET: FROM SCENARIO 10

CUR MET: WS= 6MPH, WD= 88, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 11:38

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 11:38

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 03

CUR REL RATE(CI/SEC): 4.1E+02

TOTAL CI: NG:3.7E+05, I:1.2E+03

P:2.0E+02

PEAK GAM&B (MREM/HR) : 1.2E+03

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

CONTOUR LEGEND  
GAM+BETA OPEN WIN FRISKER  
(MR/HR) (MR/HR) (CPM)

1		1.0E+03	1.0E+03	3.6E+06
2		5.0E+02	5.0E+02	1.8E+06
3		1.0E+02	1.0E+02	3.6E+05
4		5.0E+01	5.0E+01	1.8E+05
5		1.0E+01	1.0E+01	3.6E+04
6		5.0E+00	5.0E+00	1.8E+04
7		1.0E+00	1.0E+00	3.6E+03
8		1.0E-01	1.0E-01	3.6E+02
9		1.0E-02	1.0E-02	3.6E+01
10		1.0E-03	1.0E-03	3.6E+00

POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

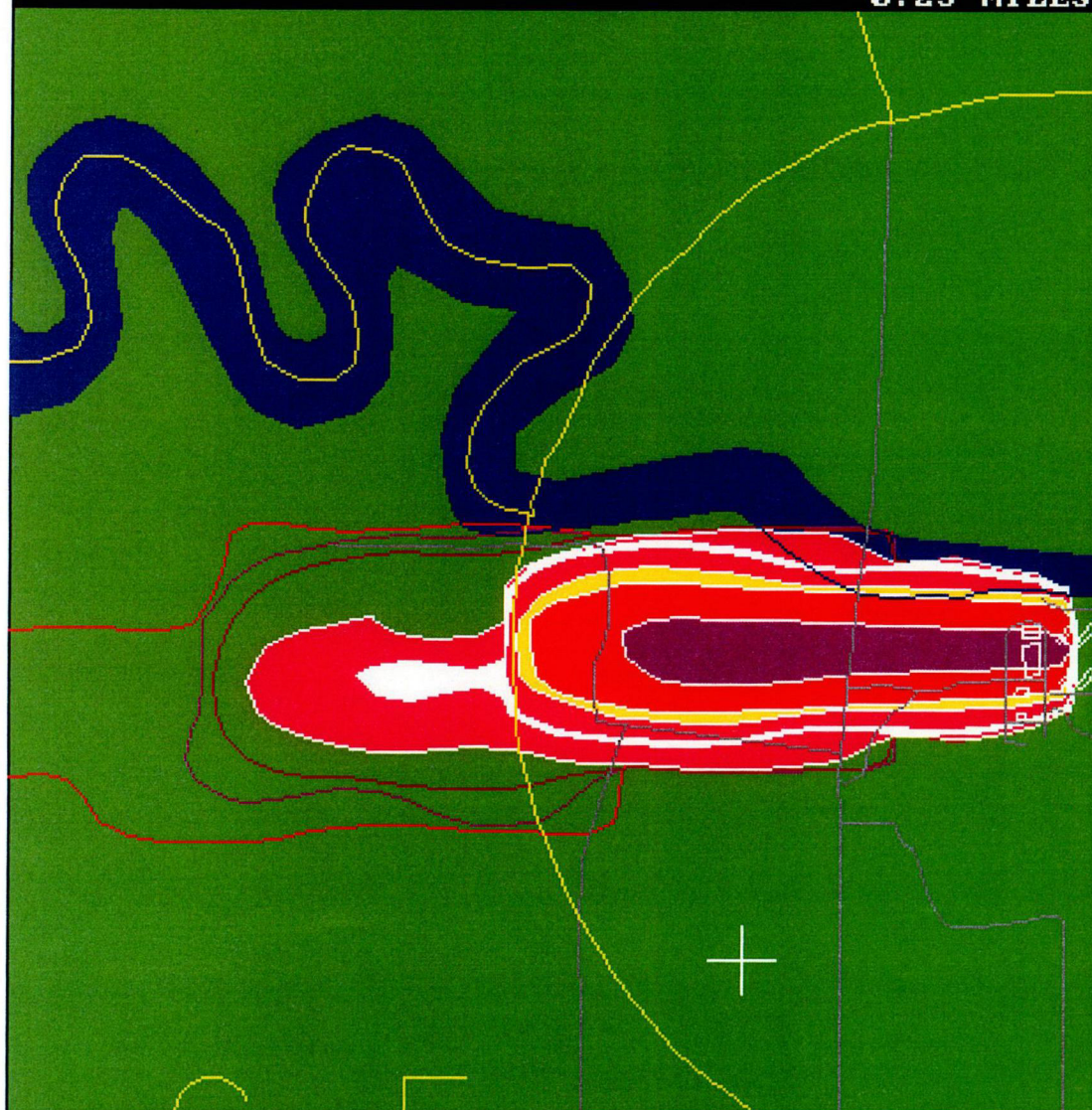
CONTINUE



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 11:34

RUN TIME: 08/20/03 11:30

MET: FROM SCENARIO 10

CUR MET: WS= 6MPH, WD= 88, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 11:38

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 11:38

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 03

CUR REL RATE(CI/SEC): 4.1E+02

TOTAL CI: NG:3.7E+05, I:1.2E+03

P:2.0E+02

PEAK GAMMA (MREM/HR) : 9.7E+02

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

CONTOUR LEGEND

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

1	5.0E+02	5.0E+02	1.8E+06
2	1.0E+02	1.0E+02	3.6E+05
3	5.0E+01	5.0E+01	1.8E+05
4	1.0E+01	1.0E+01	3.6E+04
5	5.0E+00	5.0E+00	1.8E+04
6	1.0E+00	1.0E+00	3.6E+03
7	1.0E-01	1.0E-01	3.6E+02
8	1.0E-02	1.0E-02	3.6E+01
9	1.0E-03	1.0E-03	3.6E+00

POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

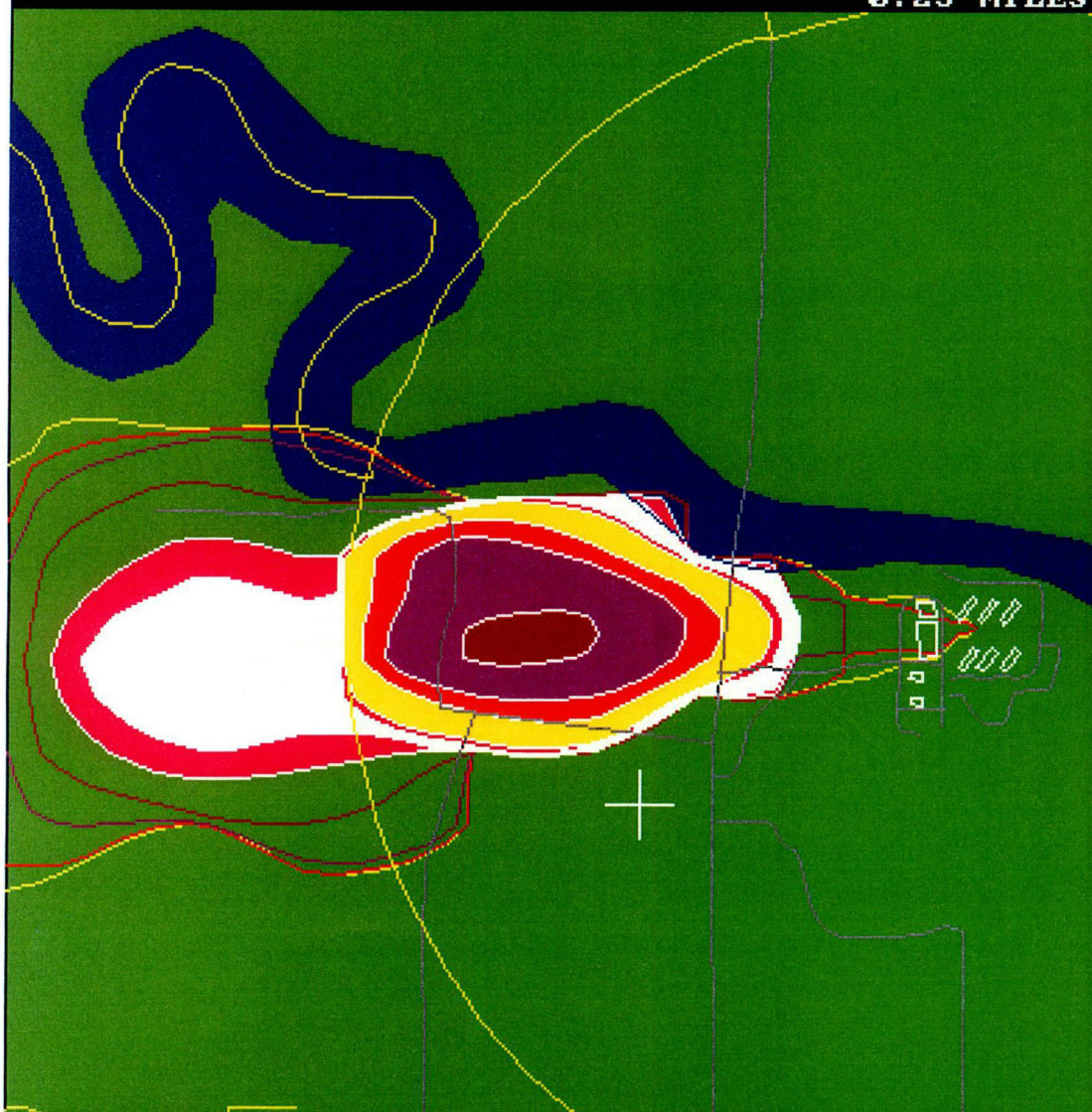
RESTORE

CONTINUE



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

SCALE: 0.25 MILES



MODEL: PROJECTED-PLUME SEGMENT

RUN TIME: 08/20/03 11:30

CUR MET: WS= 6MPH, WD= 88, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 11:38

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 11:38

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 03

CUR REL RATE(CI/SEC): 4.1E+02

**TOTAL CI: NG:3.7E+05,I:1.2E+03**

P:2.0E+02

PEAK FM TH (MREM/HR) : 3.4E+03

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

THY RATE	CARTRIDGE	FILTER
(MB/HR)	(CPM)	(CPM)

1		2.5E+03	6.1E+03	2.1E+02
2		1.0E+03	2.4E+03	8.5E+01
3		5.0E+02	1.2E+03	4.3E+01
4		1.0E+02	2.4E+02	8.5E+00
5		5.0E+01	1.2E+02	4.3E+00
6		1.0E+01	2.4E+01	8.5E-01
7		5.0E+00	1.2E+01	4.3E-01
8		1.0E+00	2.4E+00	8.5E-02
9		1.0E-01	2.4E-01	8.5E-03
10		1.0E-02	2.4E-02	8.5E-04
11		1.0E-03	2.4E-03	8.5E-05

### POINT OF INTEREST

## MAP FEATURES

**SELECT  
AREA**

RESTORE

**CONTINUE**

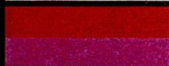


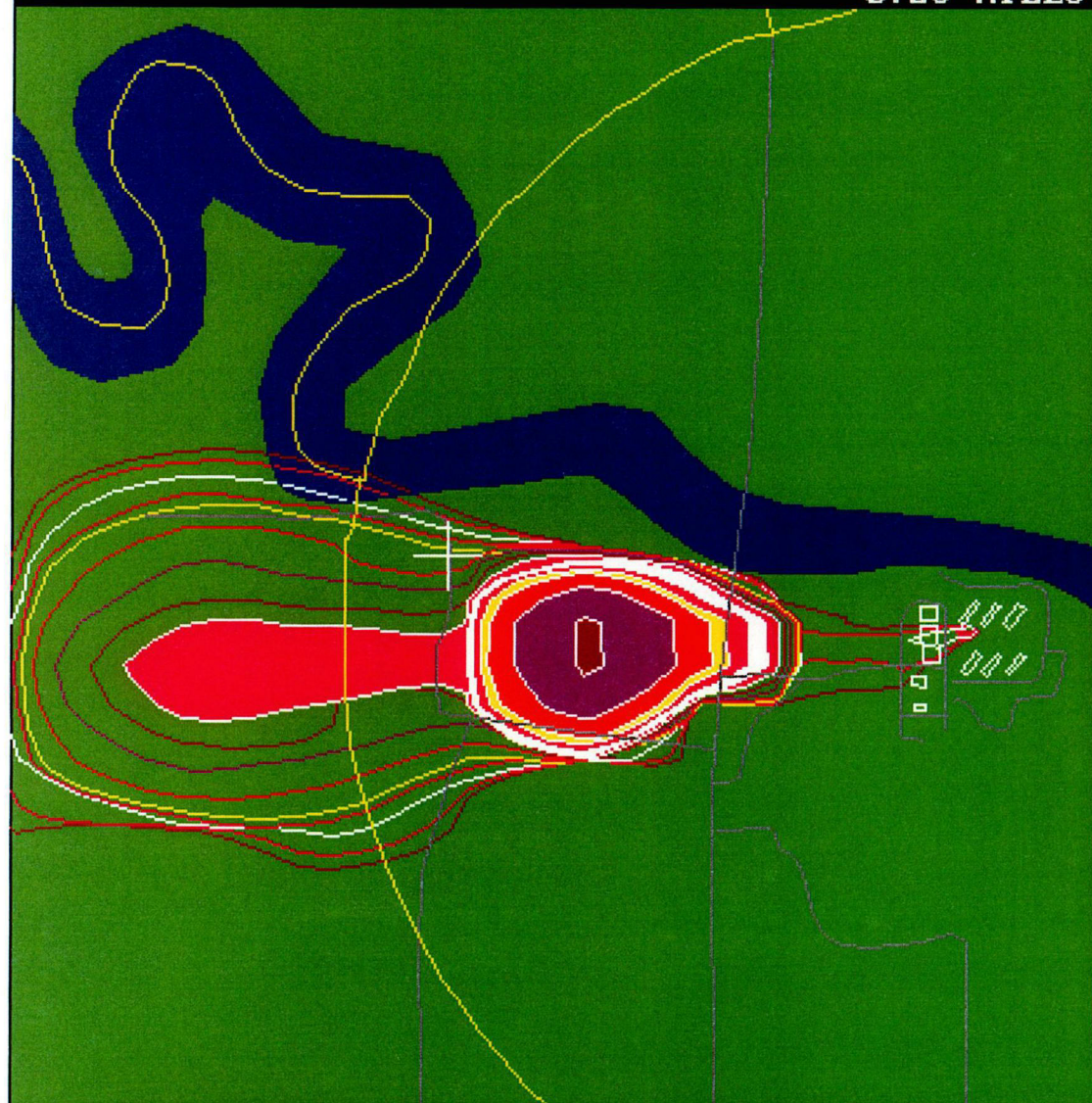
SITE: PLANT HATCH  
 TITLE: GROUND CONTAMINATION  
 PERIOD: 0.25 HOUR PROJECTION

SCALE: 0.25 MILES

MENU B ISOTOPE: I-131  
 MODEL: PROJECTED-PLUME SEGMENT  
 CURRENT TIME: 08/20/03 11:35  
 RUN TIME: 08/20/03 11:30  
 MET: FROM SCENARIO 10  
 CUR MET: WS= 6MPH, WD= 88, ST=D  
 START OF INTEG: 08/20/03 11:23  
 END OF INTEG: 08/20/03 11:38  
 START RELEASE: 08/20/03 07:23  
 END RELEASE: 08/20/03 11:38  
 RELEASE: MONITOR VALUES FROM  
 SCENARIO 10 - ACCIDENT TYPE 03  
 CUR REL RATE(CI/SEC): 4.1E+02  
 TOTAL CI: NG:3.7E+05, I:1.2E+03  
 P:2.0E+02

PEAK CONC. (UCI/M\*\*2): 5.2E+00  
 DIR(TO): W DIST(MILES): 1.4

CONTOUR LEGEND	CONCENTRATION (UCI/M2)	EXCEEDS 1.3E+00 UCI/M2
1	4.0E+00+	
2	2.0E+00-4.0E+00	
3	1.0E+00-2.0E+00	NOT EXCEEDED
4	7.0E-01-1.0E+00	
5	4.0E-01-7.0E-01	↓
6	2.0E-01-4.0E-01	
7	1.0E-01-2.0E-01	
8	7.0E-02-1.0E-01	
9	4.0E-02-7.0E-02	
10	2.0E-02-4.0E-02	
11	1.0E-02-2.0E-02	
12	7.0E-03-1.0E-02	
13	4.0E-03-7.0E-03	
14	2.0E-03-4.0E-03	
15	1.0E-03-2.0E-03	



POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

CONTINUE

**12:00 PM**  
**Dose**  
**Projection**  
**Result**



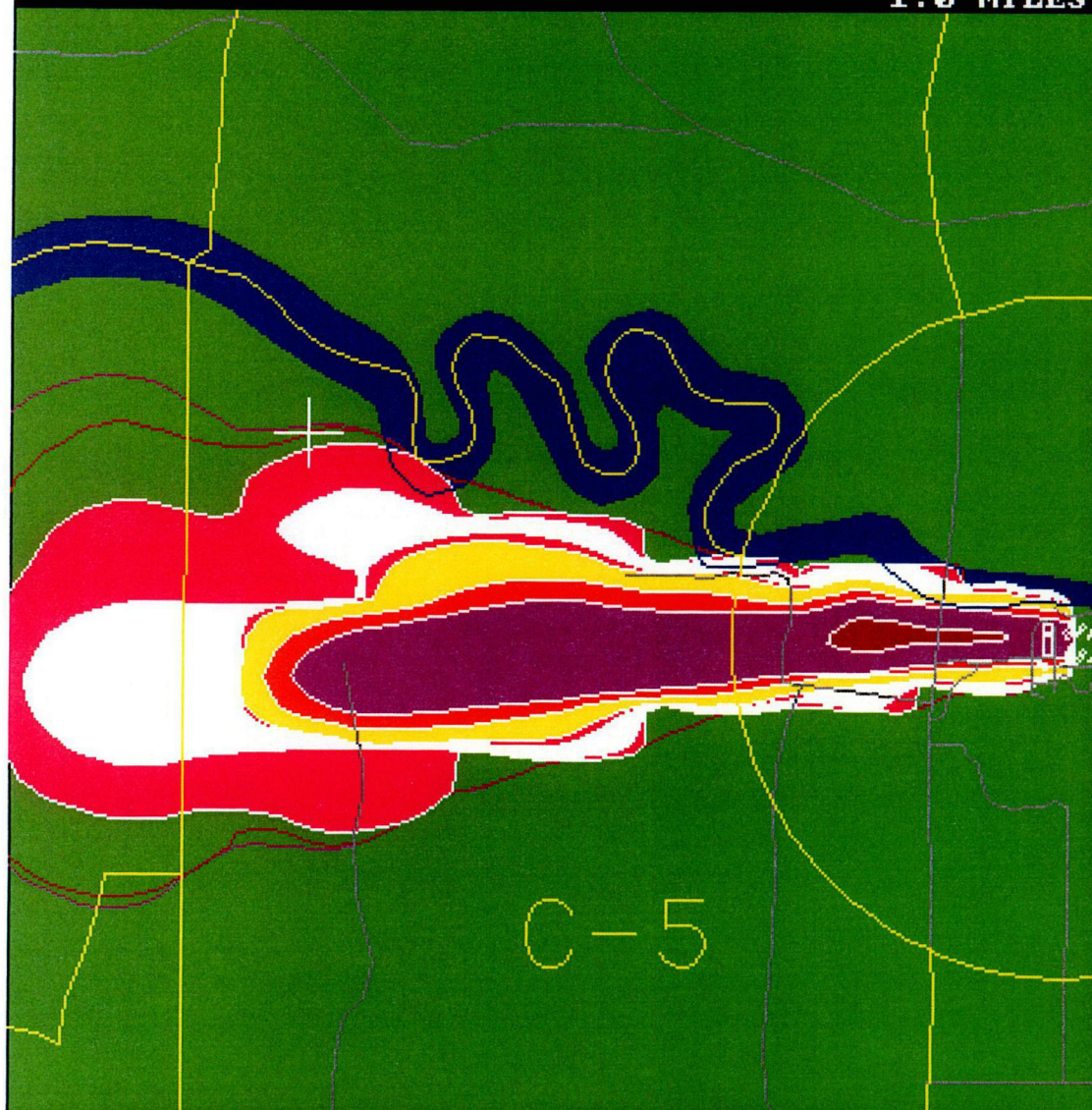
MESSAGE NUMBER

\* 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 12:02

RUN TIME: 08/20/03 12:00

MET: FROM SCENARIO 10

CUR MET: WS= 5MPH, WD= 90, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 12:08

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 12:08

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 03

CUR REL RATE(CI/SEC): 3.2E+02

TOTAL CI: NG:1.0E+06, I:3.2E+03

P:5.3E+02

PEAK TEDE (MREM/HR) : 8.6E+02

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

TEDE/EDE AT PEAK TEDE: 1.1E+00

PK THY CDE(MREM/HR) : 2.5E+03

DIR(TO): W DIST(MILES): 3.3

CONTOUR DOSE RATE  
LEGEND (MREM/HR)

1	5.0E+02+
2	1.0E+02-5.0E+02
3	5.0E+01-1.0E+02
4	1.0E+01-5.0E+01
5	5.0E+00-1.0E+01
6	1.0E+00-5.0E+00
7	1.0E-01-1.0E+00
8	1.0E-02-1.0E-01
9	1.0E-03-1.0E-02

POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

CONTINUE



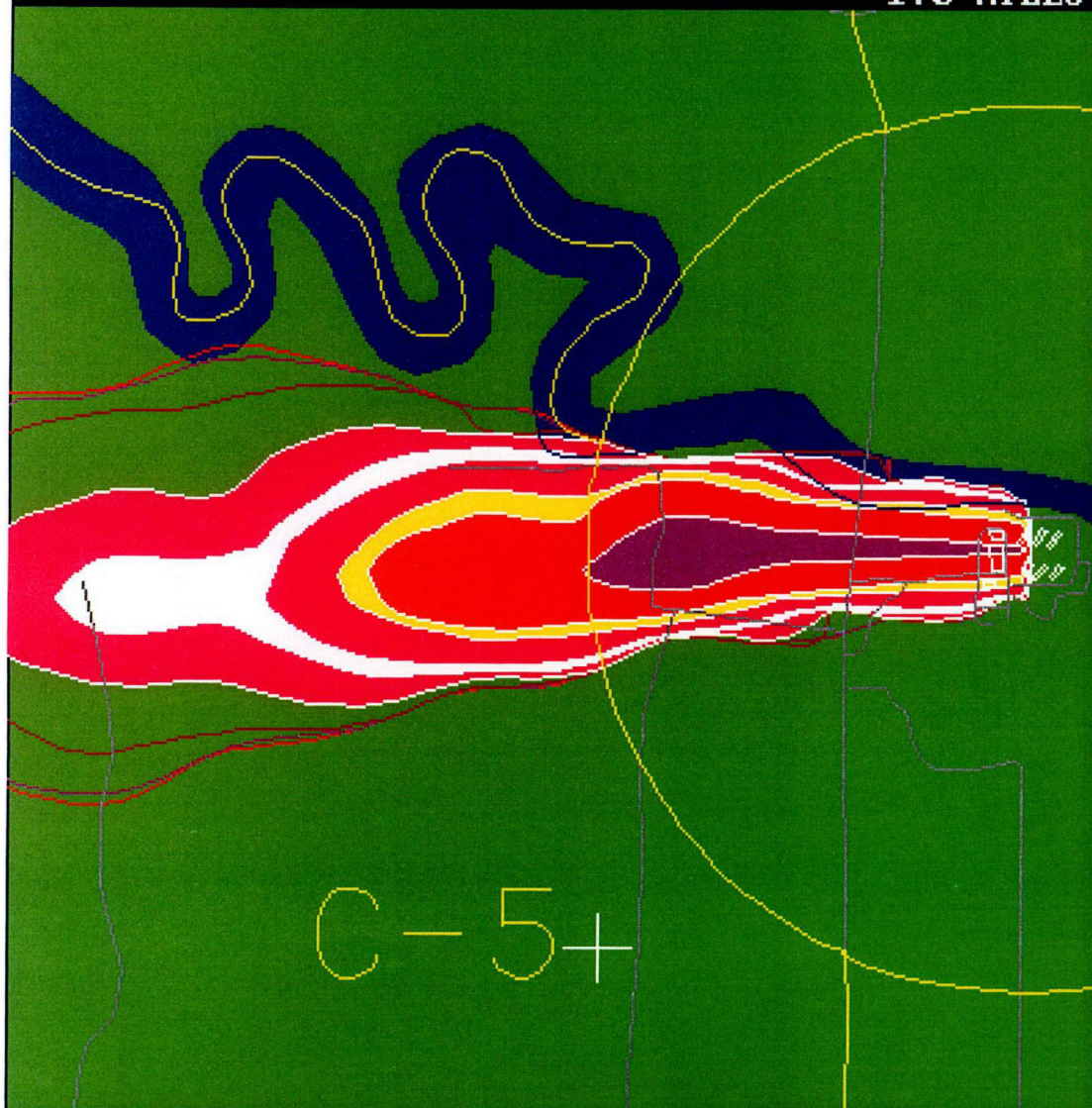
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**12:00 PM**  
**Field**  
**Monitoring**  
**Data**

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 11:48

RUN TIME: 08/20/03 11:45

MET: FROM SCENARIO 10

CUR MET: WS= 5MPH, WD= 89, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 11:53

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 11:53

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 03

CUR REL RATE(CI/SEC): 3.7E+02










TOTAL CI: NG:7.1E+05, I:2.3E+03

P:3.7E+02

PEAK GAM&B (MREM/HR) : 1.2E+03

DIR(°): W DIST(MILES): 1.6

CONTOUR LEGEND  
GAM+BETA OPEN WIN FRISKER  
(MR/HR) (MR/HR) (CPM)

1		5.0E+02	5.0E+02	1.8E+06
2		1.0E+02	1.0E+02	3.6E+05
3		5.0E+01	5.0E+01	1.8E+05
4		1.0E+01	1.0E+01	3.6E+04
5		5.0E+00	5.0E+00	1.8E+04
6		1.0E+00	1.0E+00	3.6E+03
7		1.0E-01	1.0E-01	3.6E+02
8		1.0E-02	1.0E-02	3.6E+01
9		1.0E-03	1.0E-03	3.6E+00

POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

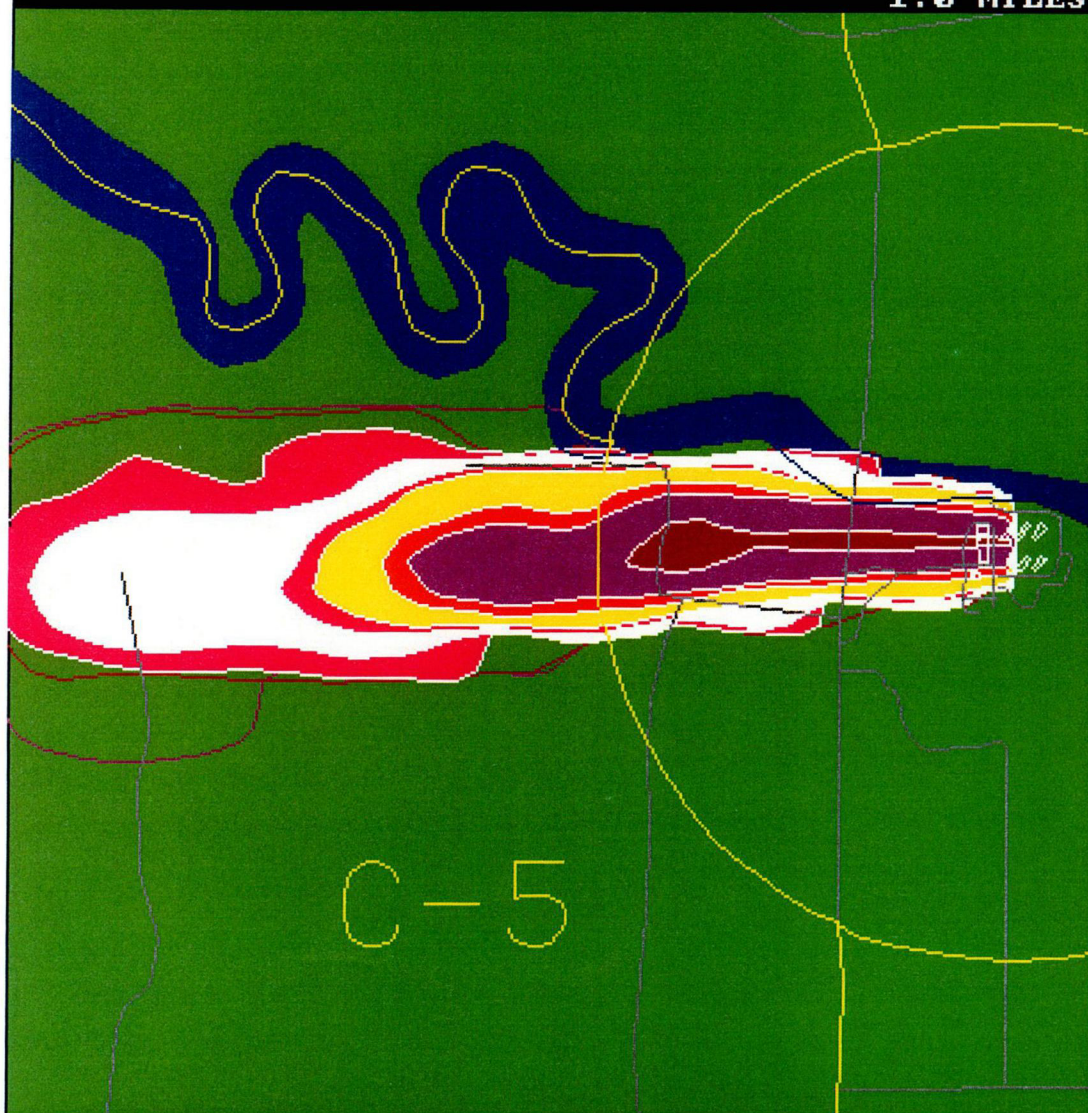
CONTINUE



SITE: PLANT HATCH

TITLE: FIELD MONITOR GAMMA DOSE RATE

PERIOD: 0.25 HOUR PROJECTION SCALE: 1.0 MILES



MENU B

MODEL: PROJECTED-PLUME SEGMENT

CURRENT TIME: 08/20/03 11:48

RUN TIME: 08/20/03 11:45

MET: FROM SCENARIO 10

CUR MET: WS= 5MPH, WD= 89, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 11:53

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 11:53

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 03

CUR REL RATE(CI/SEC): 3.7E+02

TOTAL CI: NG:7.1E+05, I:2.3E+03

P:3.7E+02

PEAK GAMMA (MREM/HR) : 8.0E+02

DIR(TO): W DIST(MILES): 1.6

CONTOUR LEGEND

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

1		5.0E+02	5.0E+02	1.8E+06
2		1.0E+02	1.0E+02	3.6E+05
3		5.0E+01	5.0E+01	1.8E+05
4		1.0E+01	1.0E+01	3.6E+04
5		5.0E+00	5.0E+00	1.8E+04
6		1.0E+00	1.0E+00	3.6E+03
7		1.0E-01	1.0E-01	3.6E+02
8		1.0E-02	1.0E-02	3.6E+01
9		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: 0.25 MILES

MENU B

MODEL: PROJECTED-PLUME SEGMENT

CURRENT TIME: 08/20/03 11:48

RUN TIME: 08/20/03 11:45

MET: FROM SCENARIO 10

CUR MET: WS= 5MPH, WD= 89, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 11:53

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 11:53

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 03

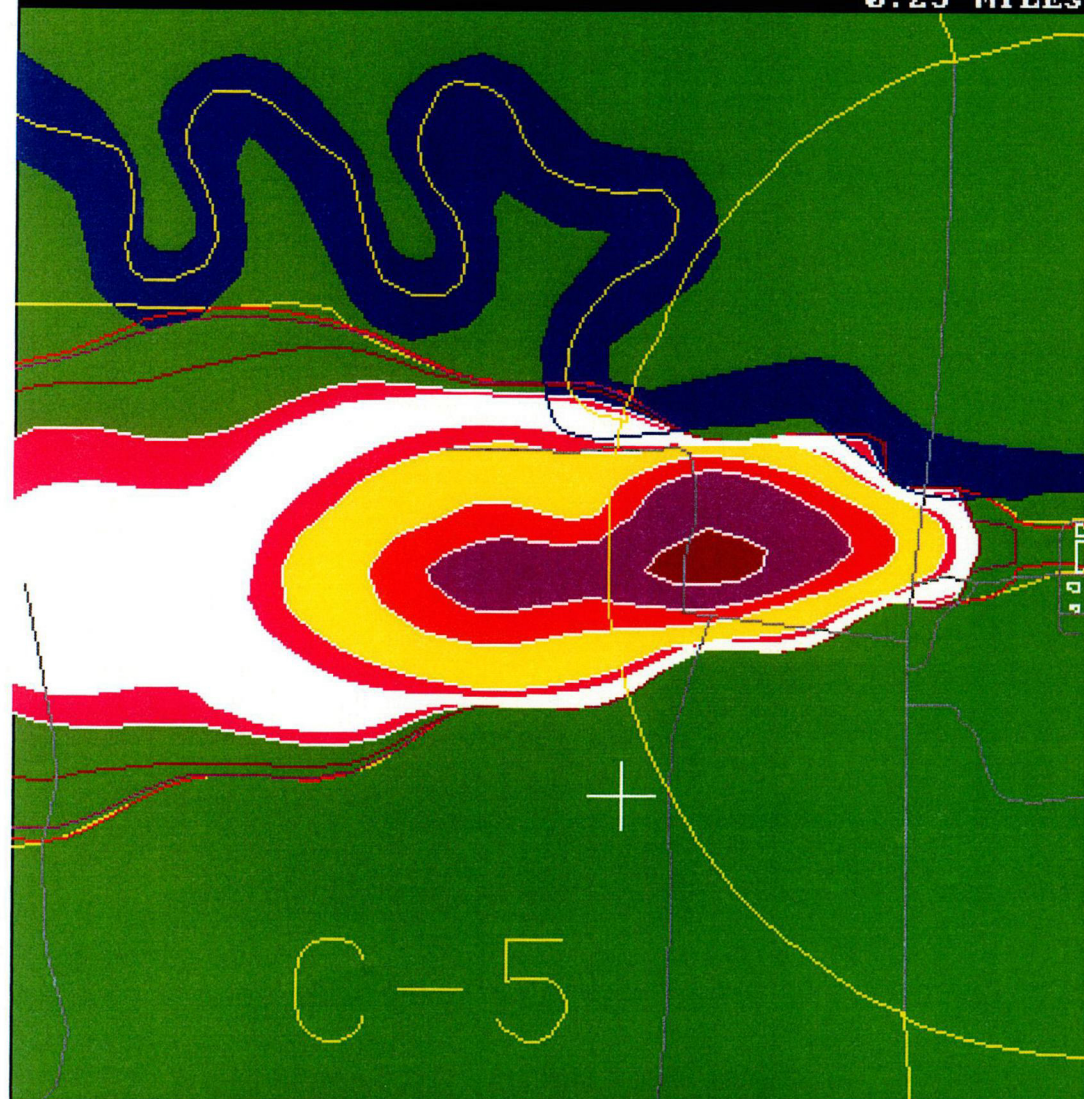
CUR REL RATE(CI/SEC): 3.7E+02

TOTAL CI: NG:7.1E+05, I:2.3E+03

P:3.7E+02

PEAK FM TH (MREM/HR) : 4.1E+03

DIR(TO): W DIST(MILES): 1.6



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

1		2.5E+03	6.1E+03	2.1E+02
2		1.0E+03	2.4E+03	8.5E+01
3		5.0E+02	1.2E+03	4.3E+01
4		1.0E+02	2.4E+02	8.5E+00
5		5.0E+01	1.2E+02	4.3E+00
6		1.0E+01	2.4E+01	8.5E-01
7		5.0E+00	1.2E+01	4.3E-01
8		1.0E+00	2.4E+00	8.5E-02
9		1.0E-01	2.4E-01	8.5E-03
10		1.0E-02	2.4E-02	8.5E-04
11		1.0E-03	2.4E-03	8.5E-05

POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

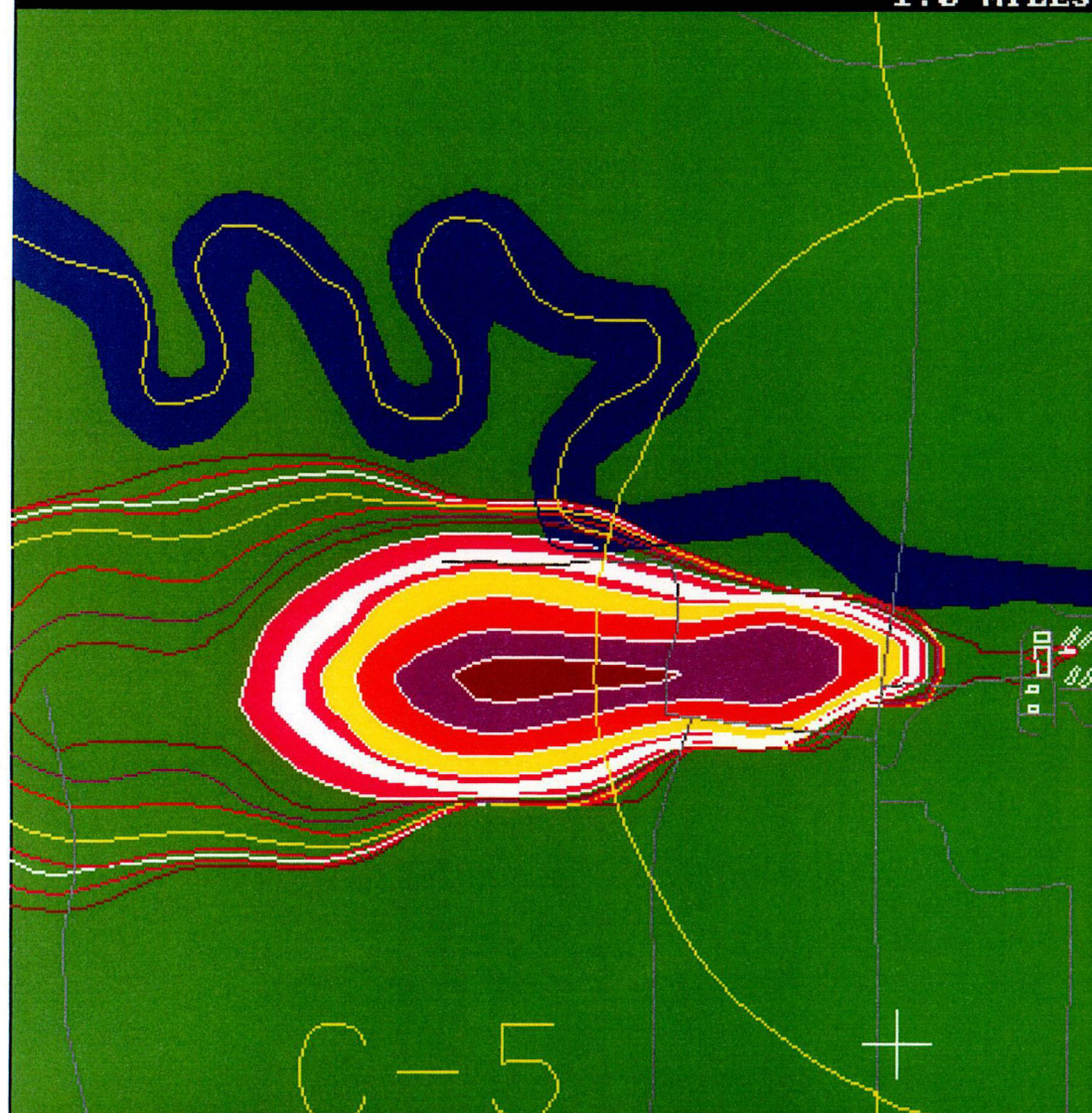
CONTINUE



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 11:49  
 RUN TIME: 08/20/03 11:45  
 MET: FROM SCENARIO 10  
 CUR MET: WS= 5MPH, WD= 89, ST=D  
 START OF INTEG: 08/20/03 11:38  
 END OF INTEG: 08/20/03 11:53  
 START RELEASE: 08/20/03 07:23  
 END RELEASE: 08/20/03 11:53  
 RELEASE: MONITOR VALUES FROM  
 SCENARIO 10 - ACCIDENT TYPE 03  
 CUR REL RATE(CI/SEC): 3.7E+02  
 TOTAL CI: NG:7.1E+05, I:2.3E+03  
 P:3.7E+02

PEAK CONC. (UCI/M\*\*2): 8.6E+00  
 DIR(TO): W DIST(MILES): 2.1

CONTOUR CONCENTRATION		EXCEEDS
LEGEND	(UCI/M2)	UCI/M2
1	7.0E+00+	
2	4.0E+00-7.0E+00	
3	2.0E+00-4.0E+00	
4	1.0E+00-2.0E+00	
5	7.0E-01-1.0E+00	NOT
6	4.0E-01-7.0E-01	EXCEEDED
7	2.0E-01-4.0E-01	
8	1.0E-01-2.0E-01	
9	7.0E-02-1.0E-01	
10	4.0E-02-7.0E-02	
11	2.0E-02-4.0E-02	
12	1.0E-02-2.0E-02	
13	7.0E-03-1.0E-02	
14	4.0E-03-7.0E-03	
15	2.0E-03-4.0E-03	

POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

CONTINUE

**12:15 PM**  
**Dose**  
**Projection**  
**Result**



**MESSAGE NUMBER**

\* 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 12:10

RUN TIME: 08/20/03 12:16

MET: FROM SCENARIO 10

CUR MET: WS= 6MPH, WD= 91, ST=D

END DATE OF 15 MINUTE RATE

COMPUTATION: 08/20/03 12:23

START RELEASE: 08/20/03 07:23

END RELEASE: 08/20/03 12:23

RELEASE: MONITOR VALUES FROM

SCENARIO 10 - ACCIDENT TYPE 03

CUR REL RATE(CI/SEC): 2.6E+02

TOTAL CI: NG:1.2E+06, I:4.0E+03

P:6.6E+02

PEAK TEDE (MREM/HR) : 8.0E+02

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

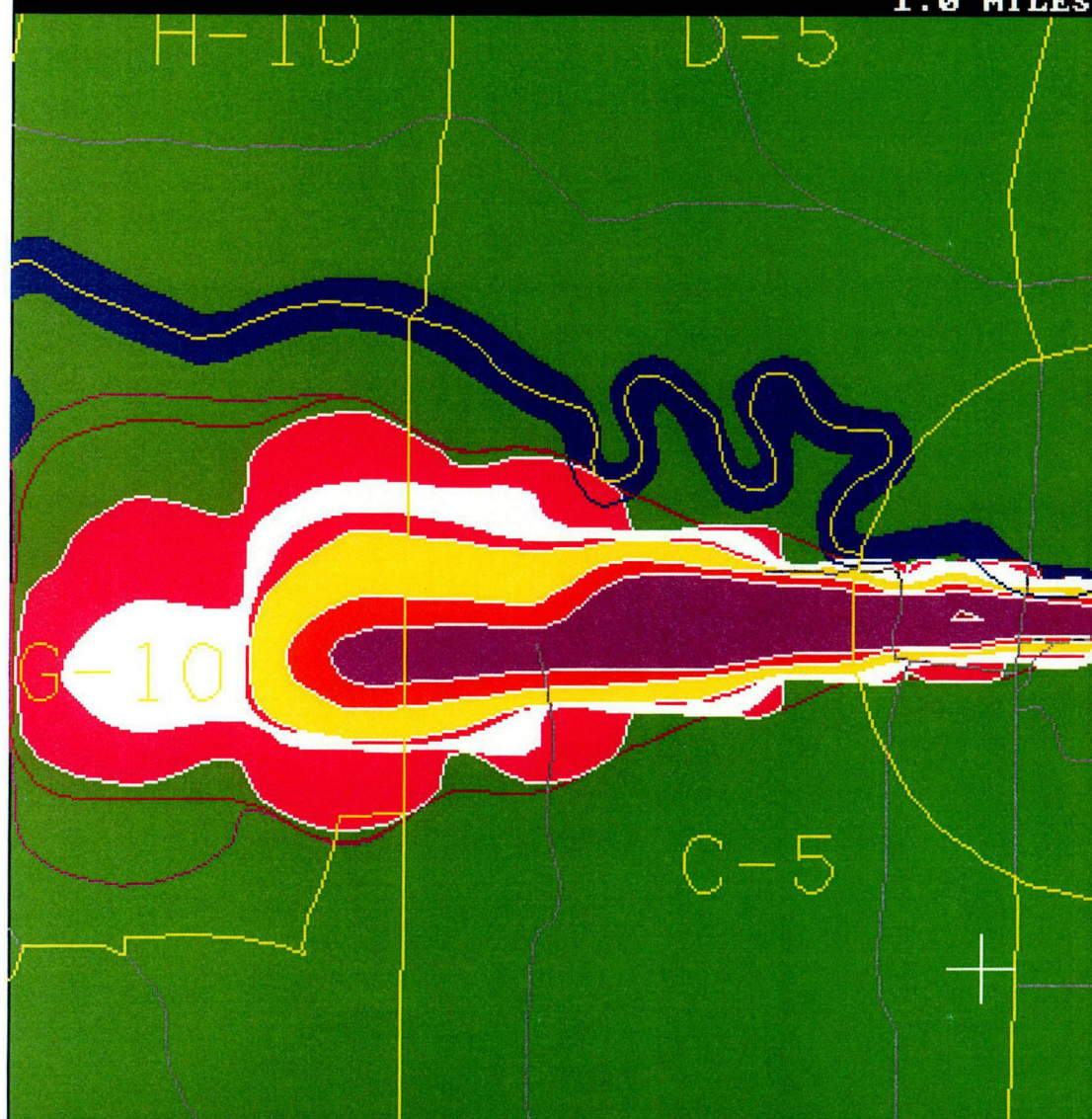
TEDE/EDE AT PEAK TEDE: 1.1E+00

PK THY CDE(MREM/HR) : 2.2E+03

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

CONTOUR DOSE RATE  
LEGEND (MREM/HR)

1		5.0E+02+
2		1.0E+02-5.0E+02
3		5.0E+01-1.0E+02
4		1.0E+01-5.0E+01
5		5.0E+00-1.0E+01
6		1.0E+00-5.0E+00
7		1.0E-01-1.0E+00
8		1.0E-02-1.0E-01
9		1.0E-03-1.0E-02



POINT  
OF  
INTEREST

MAP  
FEATURES

SELECT  
AREA

RESTORE

CONTINUE