

ID/2S,2T

RECOMMENDATIONS FOR
OFF-SITE PROTECTIVE ACTIONS

QEP 350-0
Revision 3
March 1982

350-0

Recommendations for Off-Site
Protective Actions

Rev. 3 03-18-82

350-T1

Recommended Protective Actions for
Gaseous Release

Rev. 3 03-18-82

350-T2

GSEP Guidelines for Protection Against
Ingestion of Contamination for the
Offsite Public

Rev. 1 04-01-81

APPROVED

MAR 18 1982

Q.C.O.S.R.

ID/2W

RECOMMENDED PROTECTIVE ACTIONS FOR GASEOUS RELEASE

Accident Classification/ Release Situation (NARS Form Section 6)			Actual Projected Doses (Rem)** in Zonal Areas X, Y, & Z.						Containment Radiation Level (R/Hr) When no Projected Doses are Available	Recommended Protective Actions (S - Shelter, E - Evacuation, P - Prepare for Possible Action I.O. - Info only)			NARS Form Section 8	
			Whole Body			Thyroid				X	Y	Z		
			X	Y	Z	X	Y	Z						
1. UNUSUAL EVENT														
6.A - No Release	(1)	0	0	0	0	0	0	NORMAL CONTAINMENT RAD.		I.O.	(1)	8.A		
6.B or E - Potential or Stopped	(2)	<0.5	M	M	<2.5	M	M	<200		I.O.	(2)	8.A		
6.C or D - Imminent or Occurring	(3)	<0.5	M	M	<2.5	M	M	<200		I.O.	(3)	8.A		
2. ALERT														
6.A - No Release	(1)	0	0	0	0	0	0	NORMAL CONTAINMENT RAD.		I.O.	(1)	8.A		
6.B or E - Potential or Stopped	(2)	<0.5	M	M	<2.5	M	M	<200		I.O.	(2)	8.A		
6.C or D - Imminent or Occurring	(3)	<1.0	<0.5	M	<5.0	<2.5	M	200 - 400		(P)	(P)	(P)	(3)	8.B
	(4)	Analysis Not Complete						<200		I.O.	(4)	8.A		
	(5)	Analysis Not Complete						200 - 400		(P)	(P)	(P)	(5)	8.B
	(6)	<1.0	<0.5	M	<5.0	<2.5	M			(P)	(P)	(P)	(6)	8.B
3. SITE EMERGENCY														
6.A - No Release	(1)	0	0	0	0	0	0	NORMAL CONTAINMENT RAD.		I.O.	(1)	8.B		
6.B or E - Potential or Stopped	(2)	All Dose Situations			All Dose Situations			<2000		(P)	(P)	(P)	(2)	8.B
6.C or D - Imminent or Occurring	(3)	Analysis Not Complete						<400		(P)	(P)	(P)	(3)	8.B
	(4)	Analysis Not Complete						400 - 2000		(S)	(P)	(P)	(4)	8.C & D
	(5)	<1.0	<0.5	M	<5.0	<2.5	M			(P)	(P)	(P)	(5)	8.B
	(6)	>1.0	<1.0	M	>5.0	<5.0	M			(E*)	S*)	(P)	(6)	8.C, H & E
	(7)	>1.0	>1.0	<1.0	>5.0	>5.0	<5.0			(E*)	E*)	(S)	(7)	8.C, H, I, & F
4. GENERAL EMERGENCY														
6.A - No Release	(1)	NOT APPLICABLE TO GENERAL EMERGENCY												
6.B or E - Potential or Stopped	(2)	All Dose Situations			All Dose Situations			>0		(S)	(S)	(P)	(2)	8.C, D & E
6.C or D - Imminent or Occurring	(3)	Analysis Not Complete						>0		(E*)	(S)	(P)	(3)	8.C, H & E
	(4)	<1.0	<0.5	M	<5.0	<2.5	M			(S)	(S)	(P)	(4)	8.C, D & E
	(5)	>1.0	<1.0	M	>5.0	<5.0	M			(E*)	(S)	(P)	(5)	8.C, H & E
	(6)	>1.0	>1.0	<1.0	>5.0	>5.0	<5.0			(E*)	E*)	(S)	(6)	8.C, H, I, & F
	(7)	>1.0	>1.0	>1.0	>5.0	>5.0	>5.0			(E*)	E*)	E*)	(7)	8.C, H, I, & J

FOOT NOTES:

The symbol ()) represents the entire 0-2 mile area, and the 2-5 and 5-10 mile three downwind sectors.
R - Range (Miles); SB - Site Boundary; M - Minimal

* Evacuation, when noted, is the recommended protective action only when weather conditions permit and an evacuation time analysis confirms it as the preferred choice, otherwise sheltering is the protective action to recommend. If evacuation is recommended for Zonal areas Y and Z and if Zonal areas Y and Z are in Wisconsin or Iowa, then the recommendation for evacuation should extend only to the range at which the projected dose is 1 Rem WB or 5 Rem thyroid, whichever is the greater range. Sheltering is the protective action from this range out to 5 miles if the "range" is in Zone Y and out to 10 miles if it is in Zone Z.

** Projected actual doses are based on the actual or most likely release point and the existing site meteorological conditions. The Zones X, Y, and Z are:
X - SB < R < 2 miles; Y - < R < 5 miles; Z - 5 < R < 10 miles.

APPROVED

MAR 18 1982

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