

DOCKET NUMBER  
PROPOSED RULE

PR-146 (44 FR 43128)

November 30, 1979

R.D.1, Box 578F  
York Haven, Pa. 17370

Mr. Jerome Saltzman, Chief  
Antitrust and Indemnity Group  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555



Dear Mr. Saltzman:

Please find enclosed the monitoring sheets by Mr. Harry Hall which were done at the time of the March 28th accident at TMI. Mr. Hall used a R.C.1. Scalar Ratemeter Model 2 306 which was from A.E.C. selected educators.

Thank you.

Sincerely,

*Joann Topolski*

Joann Topolski

90013546

Acknowledged by card

12/7/79 *gf*

8001020

088

Results Monitoring Ionizing Radiations  
3/23/79 to 4/6/79 Northeastern York County

On Wednesday, March 28 at Red Land High School counts taken at 3:00 P.M. did not exceed background. The following day, at the same location, the counts were high at 7:45 A.M. (527.0 cpm). By 2:00 P.M. the count was back to background and remained there the next day (Mar. 30).

Monitoring began at the Newberrytown Fire Hall at 3:00 P.M. on March 30 (Friday). From 3 P.M. to 3:40 P.M. the counts were only slightly above background. At 4:20 P.M. as a thunderhead type cloud passed in a S.W. direction the count was elevated at 319.8 cpm. By 5:05 P.M. the count returned to background.

From 5:05 P.M. Friday, March 30 until 5:31 P.M. on Sunday April 1 the counts were below the background count for that area over the last 13 years. This suggests that an ion field was blocking mesons (cosmic rays) from the sun. At 5:30 P.M. Sunday April 1 a large helicopter created massive down drafts resulting in counts well above background. This proved the existence of a belt of radiation above the low lying clouds. The counts returned to background for only about

90013347

POOR ORIGINAL

POOR ORIGINAL

one fall hour, followed by an increase accompanied by rain. Twenty times back-ground (342.7) was recorded at 7:47 P.M.

However, by 9:45 P.M. the counts returned to background, only to rise slightly, just to midnight.

Monday, April 2, had background, or below, up to 6:54 P.M. The count peaked at 96.2  $\mu$ m and returned to background by 8:15 P.M. There was a heavy mist with breezes out of the East during this period.

From 9:37 P.M. to 3:05 A.M. the counts were above background with 31.4 the highest count.

From Tuesday April 3 to Friday, April 6 all counts recorded were at or below background.

Harry W. Hall

90013548

# Monitoring at Red Land High School

Date	Time Count Started	Duration	Notes	Harry W. Hall	
				Counts per minute	
3/28/79	3:00 P.M.	20 min	Day of initial accident	10.5	
3/29/79	7:45 A.M.	10 min.		527.0 X	
3/29/79	8:45 A.M.	20 min.		317.4 X	
3/29/79	9:50 A.M.	20 min.		164.2 X	
3/29/79	10:50 A.M.	20 min.		70.7 X	
3/29/79	11:50 A.M.	20 min		36.8 X	
3/29/79	2:00 P.M.	10 min		14.0	
3/30/79	7:45 A.M.	10 min		15.5	
3/30/79	10:15 A.M.	10 min		14.3	
3/30/79	12:20 P.M.	10 min		14.8	

POOR ORIGINAL

90013349

# Monitoring at Newberrytown Fire Hall

Date	Time Count started	Duration in minutes	Notes	Harry W. Hall Steve Kauffman Counts per minute
3/30/79	3:00 P.M.	10		23.8 X
3/30/79	3:26 P.M.	10		21.0 X
3/30/79	3:42 P.M.	10		13.4
3/30/79	4:20 P.M.	10	Cloud (thunder head) passed in a S.W. direction	319.8 X
3/30/79	4:43 P.M.	10		98.5 X
3/30/79	5:05 P.M.	10		12.0
3/30/79	5:45 P.M.	10		10.5
3/30/79	6:45 P.M.	10		13.9
3/30/79	7:35 P.M.	10		10.5
3/30/79	9:03 P.M.	10		10.1
3/30/79	10:00 P.M.	10		
3/30/79	11:00 P.M.	10	Below backgrounds of same area over last 13 years	9.2
3/30/79	midnight	10		10.6
3/30/79	24:00 hrs	10		9.5

POOR ORIGINAL

90013350

# Monitoring at Newberrytown Fire Hall

Harry W. Hall  
Steve Kauffman

Date	Time count started	Duration in minutes	Notes	Counts per minute
3/31/79	1:00 A.M.			11.4
	3:00 A.M.			11.4
	6:00 A.M.			11.2
	6:35 A.M.			14.1
	7:10 A.M.			10.8
	7:35 A.M.		Counts below backgrounds of same area over last 13 years.	9.0
	8:45 A.M.			9.9
	9:30 A.M.			9.9
	10:35 A.M.			9.3
	11:45 A.M.			11.1
	12:05 P.M.			9.7
	12:30 P.M.			10.5
	1:05 P.M.			9.8
	1:15 P.M.			11.2
	2:00 P.M.			11.1
	2:20 P.M.			10.3
	3:35 P.M.			10.9
	4:00 P.M.			9.2

all 10 minutes

POOR ORIGINAL

90013351

## Monitoring at Newberrytown Fire Hall

Harry W. Hall  
Steve Kauffman  
Counts per  
minute

Date	Time Count Started	Duration in minutes	Notes	Counts per minute
5/31/79	4:30 P.M.	10 minutes all	Raining	9.7
	5:00 P.M.		Water sample of past 24 hrs 10 gm	9.0
	5:12 P.M.			9.3
	5:35 P.M.		Rain stopped	7.8
	6:00 P.M.		Low counts	8.9
	6:15 P.M.		suggest overload	11.3
	6:50 P.M.		ion field blocking	11.8
	7:05 P.M.		some reasons,	11.2
	8:00 P.M.			8.5
	8:30 P.M.			10.3
	9:00 P.M.			8.5
	9:50 P.M.			10.1
	10:05 P.M.			11.8

POOR ORIGINAL

90013352

## Monitoring at Newberrytown Fire Hall

Harry W. Hall  
 Steve Kauffman  
 Counts per  
 minute

Date	Time count started	Duration in minutes	Notes	Counts per minute
4/1/79	12:30 a.m.			7.8
	3:10 a.m.			10.7
	4:18 a.m.			10.0
	5:15 a.m.			10.4
	6:15 a.m.			9.5
	7:10 a.m.			9.6
	7:35 a.m.			10.0
	9:15 a.m.			10.4
	10:15 a.m.			9.8
	11:30 a.m.			10.6
	1:00 P.m.			11.0
	2:20 P.m.			8.6
	2:40 P.m.			7.7
	3:05 P.m.			10.7
	3:40 P.m.			10.6
	4:27 P.m.			15.0
	4:36 P.m.			15.9
	4:47 P.m.			11.3

all 10 minutes

Lowest counts suggest that on ion field is  
 blocking means.

POOR ORIGINAL

90013353

## Monitoring at Newberrytown Fire Hall

Harry W. Hall  
Steve Kaufman  
Counts per minute

Date	Time Count Started	Duration in minutes	Notes	Counts per minute
4/1/79	5:31 P.M.	10	← Chopper creating massive downdrafts	48.7 X
	5:46 P.M.		proves existence of	57.3 X
	6:00 P.M.		belt of radiation	15.1
	6:10 P.M.		above low lying clouds.	11.5
	6:37 P.M.			117.1 X
	6:50 P.M.			213.5 X
	7:00 P.M.			210.2 X
	7:10 P.M.		7:30 Water sample 161.4	142.5 X
	7:47 P.M.		8 P.M. Water sample 192.7	342.7 X
	8:30 P.M.			76.0 X
	9:45 P.M.			11.7
	10:05 P.M.		↓ Rained all	20.1 X
	10:15 P.M.		night.	23.6 X
	11:35 P.M.			20.7 X

POOR ORIGINAL

90013354

## Monitoring at Newberrytown Fire Hall

Harry W. Hall  
Steve Kauffman  
Counts per  
minute

Date	Time count started	Duration in minutes	Notes	Counts per minute
4/2/79	6:45 A.M.		Fine mist	10.2
	8:05 A.M.		Strong wind out of East	10.0
	9:00 A.M.			8.9
	9:32 A.M.			11.2
	10:00 A.M.			10.9
	10:30 A.M.			9.7
	11:00 A.M.			11.4
	11:30 A.M.			9.7
	12:00 noon			10.6
	12:30 P.M.			11.4
	1:00 P.M.			10.8
	2:00 P.M.			10.9
	4:00 P.M.			11.5
	5:00 P.M.			10.2
	5:30 P.M.			9.9
	6:54 P.M.			34.2 X
	7:05 P.M.			32.3 X
	7:18 P.M.			42.5 X

all 10 min.

Extremely Damp

Wind from  
East

Heavy mist

90013355

POOR ORIGINAL

# Monitoring at Newberrytown Fire Hall

Harry W. Hall  
Steve Kauffman

Date	Time count started	Duration in minutes	Notes	Counts per minute
4/2/79	7:33 P.M.			96.2 X
	7:45 P.M.		Breezes out of East	66.2 X
	8:00 P.M.		mist	21.4 X
	8:18 P.M.			14.9
	8:55 P.M.		Very foggy	14.6
	9:15 P.M.			15.8
	9:37 P.M.			22.7
	9:55 P.M.			19.6
	10:30 P.M.			21.2
	11:10 P.M.			31.4

all 10 minutes

Planchets (noise) outside  
from 7:05 to 9:15 16.1 cpm.

POOR ORIGINAL

90013356

## Monitoring at Newberrytown Fire Hall

Harry W. Hall  
Stem Kauffman

Date	Time Count Started	Duration in minutes	Notes	Counts per minute
4/3/79	12:35 A.M.			19.2
	1:30 A.M.			24.5X
	3:05 A.M.			11.5
	4:30 A.M.		mist, Fog	
			slight breeze from S.E.	11.4
	6:00 A.M.		mist - little rain, but	10.7
	8:15 A.M.		large drops.	
			Water samples	11.9
	11:28 A.M.		collected 6:15-8:30	
			Count of 11.6	9.1
	12:30 A.M.			8.7
	12:42 P.M.		Steady rain	10.8
	1:08 P.M.			11.4
	1:43 P.M.			9.9
	2:28 P.M.			9.7
	3:28 P.M.			11.3
	4:00 P.M.		Low solid cloud patterns	10.1
	5:15 P.M.		dispersed. Upper air of	
			interrupted clouds move	10.9
	6:15 P.M.		ing Eastward. Brief	
			period of sunlight.	9.9
	8:10 P.M.		now visible	8.2
	8:25 P.M.			7.0

all for 10 min

POOR ORIGINAL

90013357

## Monitoring at Newberrytown Fire Hall

Harry W. Hall  
Steve Kauffman

Date	Time count started	Duration in minutes	Notes	Count per minute
4/3/79	8:40 P.M.	10		9.6
↓	9:00 P.M.	↓		10.0
	9:30 P.M.			11.5

POOR ORIGINAL

## Monitoring at Newberrytown at home of Steve Kauffman

4/4/79	12:45 A.M.	10		9.9
↓	2:40 P.M.	10		9.7
	7:30 P.M.	(60)	Raining	11.6
	9:40 P.M.	10	Damp & cool Breeze out of N	10.1

4/5/79	12:30 A.M.	10	Warm sunny Breeze from North	9.9
↓	3:47 P.M.	10	Became cloudy	10.9
	11:38 P.M.	10	Breeze from East	10.2

4/6/79	8:33 A.M.	10		10.1
4/6/79	11:20 A.M.	10		7.9
4/6/79	1:30 P.M.	10	Clear, cold Heavy wind from West.	7.6

90013358

# Monitoring at Newburytown at Home of Steve Kauffman

4/5/79	10:15 PM	10 min.	Wind - strong gusts from W. Stars visible Counted 2x	5.8 rpm.
4/6/79	10:30 PM	10 min.	Cool; Stars visible	9.8 "
4/7/79	11:22 PM	10 min.	Cool; Sky clear <sup>Breeze</sup> from W.	11.2 "
4/8/79	11:14 AM	10 min.	Cool; partly cloudy Slight breeze out of N.W.	9.0 "
4/8/79	4:20 PM	10 min.	Cool, cloudy Sl. Breeze from S.	12.0 "
4/8/79	6:58 PM	10 min.	cool, cloudy Breeze out of S.E.	23.5 "
4/9/79	4:12 PM	10 min.	Heavy rain, dense clouds Warmer	10.7 "
4/9/79	4:24 PM	10 min.	Water Sample - rain Rain & snow mixed	10.1 "
4/9/79	8:25 PM	10 min.	Heavy clouds; Breeze out of S.	11.1 "
4/10/79	3:28 PM	10 min	Sunny; few fluffy clouds sl. breeze	21.6 "
4/10/79	9:53 PM	10 min	Clear sky, no breeze	10.7 "
4/11/79	4:10 PM	10 min	Sunny; few white, fluffy clouds	108.8 "
4/11/79	9:52 PM	10 min	Rain type clouds moving in	8.3

## Monitoring a Ball Hill

4/17/79 7:00 PM 10 min

Home of H. W. Hall

no breeze few small  
white clouds

10.2

POOR ORIGINAL

90013359