

U.S. ATOMIC ENERGY COMMISSION OUTGOING TELECOMMUNICATION MESSAGE

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INFO:				<input type="checkbox"/> MULTIPLE ADDRESS	NR: 73	DTG:
				<input type="checkbox"/> BOOK MESSAGE		

FROM: U. S. ATOMIC ENERGY COMMISSION PAUL R. NELSON, SENIOR RADIATION SPECIALIST REGION I, DIVISION OF COMPLIANCE 376 HUDSON STREET NEW YORK, NEW YORK 10014		OFFICIAL BUSINESS <i>Paul R. Nelson for PRC</i> (Signature of certifying official)
		DATE OF MESSAGE: NOVEMBER 9, 1965

TO: U. S. ATOMIC ENERGY COMMISSION JACK R. ROEDER, INSPECTION SPECIALIST FOR STAFF OPERATIONS DIVISION OF COMPLIANCE WASHINGTON, D. C. 20545	COMMUNICATION CENTER ROUTING
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RE: CLOSE-OUT SURVEY AT VITRO CORPORATION OF AMERICA, CANONSBURG, PA. - LIC. NO. SUC-315

THE FOLLOWING SURVEY WAS PERFORMED IN CONJUNCTION WITH PENNSYLVANIA DEP'T OF PUBLIC HEALTH ON 11/1 AND 2/65 AS REQUESTED BY D. NUSSBAUMER OF DML IN A MEMORANDUM TO L. DUBINSKI DATED 10/6/65. VITRO MANAGEMENT HAS NOT BEEN CONTACTED BY REGION I WITH RESPECT TO THE SURVEY RESULTS.

A. SURVEY CRITERIA AS PER LETTERS TO VITRO OF 5/2/63 AND 9/8/65

- 1. LAGOON - AVERAGE EXT. RADIATION AT 2-1/2' ABOVE SURFACE - .2 MR/HR
- MAXIMUM EXT. RADIATION AT 2-1/2' ABOVE SURFACE - .5 MR/HR
- ALLOWABLE BACKGROUND SUBTRACTION - .1 MR/HR

2. PLANT AREA PROPER

a) ALPHA

- MAXIMUM - 25,000 DPM
- AVERAGE - 10,000 DPM
- SMEARABLE - 1,000 DPM/100 CM²

(CONTINUED)

1965 NOV 10 AM 11:03

BE BRIEF-ELIMINATE UNNECESSARY WORDS

ORIGINATOR: BRESSON:maz Ext. 388 11/9/65	INSERT CLASSIFICATION (If Classified)	RESTRICTED DATA OR ESPIONAGE STAMP, IF REQUIRED
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B212160161 820930
PDR FOIA
BLACK82-367 PLR

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U. S. ATOMIC ENERGY COMMISSION

OUTGOING TELECOMMUNICATION MESSAGE—CONTINUATION

TO: USAEC, J. ROEDER, INSPECTION PAGE NO.: 2 DATE OF MESSAGE: 11/9/65
 SPECIALIST FOR STAFF OPERATIONS, CO:HQ

b) BETA GAMMA (READINGS AT 1 CM FROM SURFACE - ABSORBER NOT TO EXCEED
 7 MG/CM²)

MAXIMUM - 1 MRAD/HR
 AVERAGE - .2 MRAD/HR
 SMEARABLE - 1,000 DPM/100 CM²

B. SURVEY RESULTS - CO:I

1. LAGOON - 139 READINGS

MAXIMUM - .3 MR/HR BETA GAMMA
 AVERAGE - .07 MR/HR BETA GAMMA

2. PLANT AREA - OUTSIDE BUILDINGS

a) BETA GAMMA READINGS @ 1 CM - 717 READINGS TAKEN

MAXIMUM - 7 MRAD/HR
 AVERAGE - .34 MRAD/HR

AVERAGE MINUS ALLOWABLE BACKGROUND SUBTRACTION - .24 MRAD/HR

NUMBER READINGS 1 MRAD/HR OR GREATER - 37

b) ALPHA READINGS - EBERLINE PAC 1SA - 244 READINGS

MAXIMUM - 48,000 DPM/60 CM²
 SECOND HIGHEST - 24,000 DPM/60 CM²
 AVERAGE - 3,400 DPM/60 cm²

c) BUILDING MEASUREMENTS (ALL BUILDINGS BUT 14 AND 16)

i. BETA GAMMA

MAXIMUM - .47 MRAD/HR
 AVERAGE - .2 MRAD/HR

(CONTINUED)

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TO: USAEC, J. ROEDER, INSPECTION PAGE NO.: 3 DATE OF MESSAGE: 11/9/65
 SPECIALIST FOR STAFF OPERATIONS, CO:HQ

ii. ALPHA

MAXIMUM - 21[?],000 DPM/60 CM² (BUILDING 10)

AVERAGE - 3,360 DPM/60 CM²

iii. BUILDING 14

BETA GAMMA - MAXIMUM - 13 MRAD/HR

AVERAGE - 8 MRAD/HR

ALPHA - MAXIMUM - 90,000 DPM/60 CM²

AVERAGE - 69,000 DPM/60 CM²

iv. BUILDING 16

BETA GAMMA - MAXIMUM - 2 MRAD/HR

AVERAGE - .5 MRAD/HR

ALPHA - MAXIMUM - 150,000 DPM/60 CM²

AVERAGE - 22,500 DPM/60 CM²

C. CONTAMINATION SURVEYS IN BUILDINGS - RESULTS NOT AVAILABLE AS OF 11/8/65

D. GENERAL BACKGROUND IN UNRESTRICTED AREAS - WAIST LEVEL

1. AREA IN FRONT OF PLANT

MAXIMUM - 18 MR/HR

AVERAGE - .5 MR/HR

2. MAIN ROAD - ADJACENT TO LAGOON

MAXIMUM - .6 MR/HR

AVERAGE - .5 MR/HR

3. OLD LITTLE LEAGUE FIELD

MAXIMUM - 1.5 MR/HR

AVERAGE - .6 MR/HR CO:I:JFB

Paul Nelson 11 Oct 1965

Paul called re close out inspection at Vitro, Cambridge, Pa. He feels Allied has not submitted an adequate report and has not performed the surveys per requirements of DMK letters. Paul said that they preferred not to do a close out survey until the licensee's consultant had done the surveys required by them. I told Paul that I would discuss this further with Don Harmon and let him know.

Don Harmon 12 Oct 65

I discussed the Vitro survey with Harmon on October 14, and in turn Harmon discussed Reg I's feelings with Nassbaum. As a result of these discussions, it was Nassbaum and Harmon's ^{opinion} ~~feeling~~ that it would be sufficient if a survey of the soil in Parcel C and Section B of Parcel A ^{at the Vitro site} was made with a β S survey instrument and a random check of a few buildings to assure that there had been no recontamination

due to the soil movement activity around the site.

Paul Nelson - October 13, 1965

(Brackett and Harmon on phone)

Discussed with Nelson the close out inspection requested by Nussbaumer's memo of October 6. Harmon indicated to Nelson that they wanted a survey of the soil in Parcel C and Section B of Parcel A with a B.Y. survey instrument and a random check of some of the buildings to assure that there had been no recontamination due to the soil movement activity around the site.

Nelson said he would discuss the matter further with Kirkman and call back.

Paul Nelson October 18, 1965

Called Nelson to inquire as to the status of the Vitro close out. Paul said that tentatively they had decided

to go to Canonsburg and do essentially the same survey that Allied had done and reported to OML by their letter dated September 30, 1965 with enclosures. Paul said he would have to discuss this further with Kerckman and that he would call back on October 19.

Paul Nelson Oct. 19, 1965

Paul Nelson phoned me and said that Region I would do the same type survey Allied had done and would confirm the findings of Allied. He said that the survey would be done probably ^{during} the week of October 25, 1965 and would be done jointly with the State. Mr. Thomas Gernusky, Division of Occupational Health, Pennsylvania Department of Health is in contact at the state level. Mr. Gernusky will not be back in his office until Friday, October 22 and Region I will firm up their plans when Gernusky is available.

I informed Don Harmon on October
19, 1965 of Region I's plans for the
close out inspection.

I also discussed the Vitro matter
with Jack Rosden on October 19, 1965
and informed him of Region I's
plans

DWB

19 Oct 65

Telcon with Paul Nelson Oct 13, 1965
(Brockett & Lou Harmon on phone)

Discussed with Nelson the close out inspection requested by Nussbaumer's memo of October 6.

Harman indicated, ^{to Nelson} that ^{they} wanted a survey of the soil on Parcel C and section B of Parcel A with a β & survey instrument and a random check of some of the buildings to assure that there had been no recontamination due to the soil movement activity around the site.

Nelson said he would discuss the matter further with Kirkman and call back.

P. Nelson

October 22, 1965

Discussed with Nelson the survey at Vitro. Indicated that ^{Reg I's} ~~the~~ survey should be meaningful and adequate to reasonably determine that the licensee had performed decontamination of area in accord with DML letters of September 8, '65 and May 2, '63.

P. Nelson called to inform me that Reg I would survey the Vitro facility ^{during week of} November 1, 1965.