

DMB

January 11, 1983

Docket No. 50-440
Docket No. 50-441

State of Ohio
Department of Health
Radiological Health Program
ATTN: Mr. Ben Wilmouth
246 North High Street
P. O. Box 118
Columbus, OH 43216

Gentlemen:

The initial environmental radiation monitoring (TLD) network for the Perry Nuclear Power Plant, Units 1 and 2 was placed in the field on October 13, 1982. This was made possible with the assistance of personnel from the Cleveland Electric Illuminating Company.

Enclosed is a description of the network, involving 26 TLDs around the Perry Plant and the TLD exchange route with a map locating the TLDs. Also enclosed is a table listing the TLD stations and the Collection Data Sheet used to indicate the placement of the TLDs. This sheet should be completed when you exchange the new set of TLDs and sent back with the exposed TLDs to Mr. Thomas Thompson in NRC Region I Office, 631 Park Avenue, King of Prussia, Pa. 19406.

To expedite the exchange, contact Mr. Stanley Wojton, Engineer (Phone No. 216-623-1350) at the Perry Plant ahead of time and arrange to go together with licensee personnel. We are in the process of extending the current agreement which will include the Perry Plant besides the other nuclear plants in Ohio. We will keep you posted as to the progress of the contract.

If you have any questions, please contact Dr. Mary Jane Oestmann (312/932-2516). Thank you for your cooperation.

Sincerely,

C. J. Paperiello, Chief
Emergency Preparedness and
Operational Support Branch

Enclosures: As stated

- cc w/encl: (except maps)
- J. Waldron, Plant Manager
- L. Beck, General Supervisor
Licensing and Fuels Management
- DMB/Document Control Desk (RIDS)
- Resident Inspector, RIII
- Harold W. Kohn, Power
Siting Commission
- Daniel D. Wilt, Attorney
- Helen W. Evans, State of Ohio
- Robert M. Quillin, Ohio
Department of Health
- L. K. Cohen, IE
- F. Castello, RI
- T. Thompson, RI
- W. Menczer, RIII

RIII

Oestmann/jp
1/6/83

RIII

Schumacher

RIII

Menczer
1/10/83

RIII

Kunklin

RIII

Paperiello
1/10/83

Perry TLD Route Description

- ENE Drive SE from Perry Plant to Parmly Rd., turn left onto Parmly Rd., turn left (E) on N. Ridge Rd. (U.S. Rt. 20), turn left on McMackin, drive N to Chapel Rd., turn right (E) on Chapel Rd. Place Station 1 on pole on S side across the intersection of Chapel and Redbird Rd. (OR, PC).
- E Continue E on Chapel St., turn S (right) on Hubbard Rd. (Ohio Rt. 528), continue S on Hubbard Rd. Place Station 3 on second pole N of Rt. 20 on east side of Hubbard. (OR).
- ESE Continue S on Hubbard Rd. Place Station 4 on pole (PN 561092) 20 yards N of Rt. 84 (Main St.) on E side of Hubbard (called Lake St) (in town of Madison) (OR, HPI, PC, near Py 15).
- SE Turn W on Rt. 84, drive to Wood Rd. (Cty Highway 43). Place Station 5 on NE pole (PN 277348) at S. Ridge Rd. (Rt. 84) and Wood Rd. (OR).
- SSE Continue W on Rt. 84 to Turney Rd. turn S (left) on Turney and drive to River Rd. Place Station 6 on NE pole at intersection of Turney and River Rd. (OR).
- S Continue W on River Rd. to Webb Rd. Place Station 7 on NW pole (PN 7328) at intersection of Webb and River Rds. (OR).
- SSW Continue on River Rd., turn N on Lane Rd. Place Station 8 on E pole (PN 844765) on right side of Lane Rd. at Conrail RR tracks. (OR).
- SW Continue on Lane Rd., turn W (left) onto Hale Rd. Place Station 9 on NE pole (PN 850894) at intersection of Hale and Lee Rds across from school (OR, HPI).
- SW Turn left (SW) onto R. Ridge Rd. (Rt. 20) and drive into Painesville. Place Station 10 on pole (PN PC2935) at Fobes St. (right side - 20 yds off of Rt. 20 - just after passing Painesworth City Limit sign and crossing a bridge (OR, PC).
- WSW Turn around and return to Rt. 20, turn left (NE) and drive to Mantle Rd., turn left onto Mantle Rd. Drive N, cross Rt. 535, continue on Hardy Rd. Place Station 11 on pole (PN 378345) at same location as licensee's Py 21 at end of Hardy Rd., across from park by Lake Erie. (OR, HPI, Py 21).
- SW Turn around and return to Rt. 2, drive W on Rt. 2 towards Cleveland, turn S at Rt. 306 (Reynolds Rd.) (Mentor-on-Lake sign). Drive on Reynolds Rd. to Lee Blvd, turn left onto Lee, drive E to Clorox Ave.

- (near Wells Auto Parts Store), turn right onto Clorox Ave., then left onto St. Claire Rd. Place Stations 12 and 13 controls at licensee's substation on pole (PN 851003) on right side at Parker Driveway (Controls, Py 24).
- SSW Turn around and return to Rt. 2, drive E on Rt. 2 to Rt. 44 (South to Chardon), continue S on Rt. 44 (over Interstate 90), turn left onto Auburn Rd. Place Station 14 control on pole (PN 395294) at Auburn and Concord. (Control, Py 6).
- WSW Return to Rt. 44, turn N on Rt. 44, turn E (right) on Rt. 20, and drive to Perry Park Rd., turn left (N) and drive to Lake Erie. Place Station 15 on hole (no number) on right side E (second driveway near ballpark) in Parmly Park. (IR, HPI).
- SW Turn left onto Parmly Rd. Place Station 16 on right pole (PN 90457) just beyond transmission lines near "No hunting sign" across from the Quincy substation (near licensee's Air Sampler No. 5) (IR, Py 5).
- SSW Continue on Parmly Rd. Place Station 17 on pole at Center Rd. across from U.S. Testing Facility (green building) (IR,PC).
- S Continue on Parmly, cross Center Rd. Place Station 18 on pole (PN 582920) on left side of Parmly by entrance to licensee's back parking lot. (IR, PC).
- SSE Continue on Parmly to N. Ridge Rd. (Rt. 20). Place Station 19 on pole (PN PC 5825) with lamp about 100 yards east of Parmly Rd. at side road. (IR, PC).
- SE Drive on Rt. 20 and turn left (N) on Antioch Rd. Place Station 20 on second pole (PN 849860) on right side of Antioch Rd. about 20 yards from R. 20. (IR).
- ESE Continue N on Antioch Rd. Place Station 21 on pole (PN PC 118) by green fence on left side (2941) Antioch Rd. residence). (IR,PC).
- E Continue N on Antioch Rd. Place Station 22 on pole (PN PC 124) near white house with porch and flagpole (2828 Antioch Rd. residence).
- ENE Continue N on Antioch Rd. Place Station 23 on pole (PN PC 135) near Knight's mailbox. (IR, PC).
- NE Turn left on Lockwood and drive to the end of road (near circle) and turnaround. Place Station 24 near circle on pole (PN PC 8099) on left side of road. (IR, PC).

- NE Drive E on Lockwood to nearest residence (Gibson Home). Place Station 25 on pole (PN PC 6175) on right side of road. (IR, HPI, PC).
- S Drive S on Antioch to Rt. 20, turn W (right) and go to Center Rd., turn S (left). Place Station 26 on pole at 3911 Center Rd. in Perry in front of junior high and grade school. (HPI, PC).
- S Turn around and drive N on Center Rd., turn right onto Manchester Rd. Place Station 27 on pole (no number) at 4274 Manchester Rd. near green mailbox by high school. (HPI, OR).

End of Route

U.S. NRC DIRECT RADIATION MONITORING NETWORK SITING WORKSHEET

NUCLEAR POWER STATION Perry

<u>NRC STATION NO.</u>	<u>LOCATION</u>	<u>DESCRIPTION</u>	<u>CRITERIA SATISFIED</u>	<u>COLOCATED</u>
1.	ENE - 72 ⁰ - 5 mi	Chapel across from Redbird Road	OR, PC	No
2.	None Used			
3.	E - 88 ⁰ - 5.5 mi	Hubbard Road - Near Rt. 20	OR	No
4.	ESE - 112 ⁰ - 6.0 mi	Hubbard Road (Lake St.) near Rt. 84	OR, HPI, PC	Yes - Py 15
5.	SE - 130 ⁰ - 4.0 mi	Wood & S. Ridge (Rt 84) Road	OR	No
6.	SSE - 155 ⁰ - 5.0 mi	Turney & River Road	OR	No
7.	S - 178 ⁰ - 5.2 mi	Webb & River Road	OR	No
8.	SSW - 205 ⁰ - 4.6 mi	Lane Road at Conrail-RR Tracks	OR	No
9.	SW - 220 ⁰ - 5.2 mi	Hale & Lee Rds - Across for School	OR, HPI	No
10.	SW - 225 ⁰ - 7.4 mi	Fobes St. - Painesville near Rt. 20	OR, PC	No
11.	WSW - 240 ⁰ - 5.8 mi	Hardy Rd. by Lake Erie	OR, HPI	Yes - Py 21
12.	SW - 225 ⁰ - 19.0 mi	St. Clair CEI Substation	C	Yes - Py 24
13.	SW - 225 ⁰ - 19.0 mi	St. Clair CEI Substation	C	Yes - Py 24
14.	SSW - 212 ⁰ - 11.9 mi	Auburn - Concord Rds.	C	Yes - Py 6
15.	WSW - 248 ⁰ - 1.4 mi	Parmly Rd Park by L. Erie	IR, HPI	No
16.	SW - 225 ⁰ - 0.8 mi	Parmly Rd. across fm Substation	IR	Yes - Py 5

U.S. NRC DIRECT RADIATION MONITORING NETWORK SITING WORKSHEET

NUCLEAR POWER STATION Perry

<u>NRC STATION NO.</u>	<u>LOCATION</u>	<u>DESCRIPTION</u>	<u>CRITERIA SATISFIED</u>	<u>COLOCATED</u>
17.	SSW - 205° - 0.7 mi	Parmly Rd. across fr. test facility	IR	No
18.	S - 180° - 0.8 mi	Parmly Rd. entrance to parking lot	IR, PC	No
19.	SSE - 152° - 1.8 mi	Rt. 20 near Parmly Rd.	IR, PC	No
20.	SE - 123° - 1.6 mi	Rt. 20 - Antioch Rd.	IR	No
21.	ESE - 105° - 1.4 mi	2941 Antioch Rd. home	IR, HPI	No
22.	E - 85° - 1.2 mi	2828 Antioch Rd. home	IR, HPI	No
23.	ENE - 65° - 1.4 mi	Antioch Rd. - Knights home	IR, HPI	No
24.	NE - 40° - 0.6 mi	End of Lockwood Circle	IR	Yes - Py 7
25.	NE - 40° - 0.6 mi	Gibson home - Lockwood Rd.	IR	No
26.	S - 182° - 2.8 mi	3911 Center Rd - Perry	PC, HPI	No
27.	S - 175° - 2.8 mi	4274 Manchester St - Perry	PC, HPI	No

UNITED STATES NUCLEAR REGULATORY COMMISSION
 REGION III
 799 Roosevelt Rd.
 Glen Ellyn, Illinois 60137

Site Perry Units 1 & 2

ENVIRONMENTAL RADIATION MONITORING PROGRAM
 DOSIMETER PLACEMENT/COLLECTION DATA SHEET

Anneal Date: _____

Annealed By _____

Ship Date to Site: _____

Shipped By _____

Received at Site: October 11, 1982

Received By Oestmann, RII.

Placement Date: October 13, 1982

Placed By Oestmann, RIII

Retrieval Date: _____

Retrieved By _____

Return Shipment Date: _____

Returned By _____

Read Out Date: _____

Read By _____

<u>NRC Station</u>	<u>Dosimeter Number</u>	<u>Sector</u>	<u>Azimuth</u>	<u>Radial Distance</u>	<u>Description</u>	<u>Date/Time Placed</u>
1	3020051	ENE	72 ⁰	5 mi	Chapel Across from Redbird Rd.	10/13/82 - 9:50 a.m.
2	52	None used				
3	53	E	88 ⁰	5.5 mi	Hubbard Rd - 20 yds N of Rt. 20	10/13/82 - 10:12 a.m.
4	54	ESE	112 ⁰	6.0 mi	Hubbard Rd (Lake St) 20 yds N of Rt 84	10/13/82 - 10:18 a.m.
5	55	SE	130 ⁰	4.0 mi	Wood & S. Ridge (Rt. 84) Rd	10/13/82 - 10:30 a.m.
6	56	SSE	155 ⁰	5.0 mi	Turney & River Rd	10/13/82 - 10:45 a.m.

<u>NRC Station</u>	<u>Dosimeter Number</u>	<u>Location</u>		<u>Radial Distance</u>	<u>Description</u>	<u>Date/Time Placed</u>
		<u>Sector</u>	<u>Azimuth</u>			
7	57	S	178 ⁰	5.2 mi	Webb & River Rd.	10/13/82 - 10:55 a.m.
8	58	SSW	205 ⁰	4.6 mi	Lane Rd at Conrail RR Tracks	10/13/82 - 11:03 a.m.
9	59	SW	220 ⁰	5.2 mi	Half & Lee Rds across from School	10/13/82 - 11:10 a.m.
10	60	SW	225 ⁰	7.4 mi	Foebes St. Painsville - 20 yds from Rt. 20	10/13/82 - 11:20 a.m.
11	61	WSW	240 ⁰	5.8 mi	Hardy Rd. by Lake Erie	10/13/82 - 11:30 a.m.
12	62	SW	225 ⁰	19.0 mi	Reynolds - Chlorox - St. Clair Rd. Substation	10/13/82 - 11:50 a.m.
13	63					
14	64	SSW	212 ⁰	11.9 mi	Auburn - Concord Rds.	10/13/82 - 12:45
15	65	WSW	248 ⁰	1.4 mi	Parmly Rd. Park by L. Erie	10/13/82 - 13:00
16	66	SW	225 ⁰	0.8 mi	Parmly Rd. across fr. Quincy S. Sta.	10/13/82 - 13:10
17	67	SSW	205 ⁰	0.7 mi	Parmly Rd. across fr. U.S. Test fac.	10/13/82 - 13:15
18	68	S	180 ⁰	0.8 mi	Parmly Rd. entrance to parking lot	10/13/82 - 13:30
19	69	SSE	152 ⁰	1.3 mi	Rt. 20 - 100 yds E of Parmly Rd.	10/13/82 - 13:45
20	70	SE	123 ⁰	1.6 mi	Rt. 20 & Antioch Rd.	10/13/82 - 13:55
21	71	ESE	105 ⁰	1.4 mi	2941 Antioch Rd. Residence	10/13/82 - 14:05
22	72	E	85 ⁰	1.2 mi	2828 Antioch Rd. Residence	10/13/82 - 14:15
23	73	ENE	65 ⁰	1.4 mi	Antioch Rd. - Knights home	10/13/82 - 14:25
24	74	NE	40 ⁰	0.6 mi	End of Lockwood Circle	10/13/82 - 14:40
25	75	NE	40 ⁰	0.6 mi	Gibson Residence Lockwood Rd.	10/13/82 - 14:55
26	76	S	182 ⁰	2.8 mi	3911 Center Rd. - Perry	10/13/82 - 15:15
27	77	S	178 ⁰	2.8 mi	4274 Manchester St. - Perry	10/13/82 - 15:30