

CHERRY



CHERRY ELECTRICAL PRODUCTS CORPORATION
3600 SUNSET AVENUE / WAUKEGAN, ILLINOIS 60085
(312) 689-7600 / CABLE: CHERRY, WAUKEGAN / TWX (910) 235-1572

June 29, 1981

Mr. D. G. Wiedeman, Acting Chief
Materials Radiation Protection
Section 1
United States Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Reference: License No. 12-15880-01
License No. 12-15880-02E

Dear Sir:

In response to your letter of June 8, 1981, concerning violations identified during your inspection conducted on May 21, 1981, we offer the following corrective actions for each item of non-compliance.

Referring to Appendix A of your June 8, 1981 letter (copy attached):

Items:

4. Concerning G-M meter calibration:

Our meter has been calibrated and a quarterly calibration notice will be provided by the calibrating company, Health Physics Associates, Ltd., so that future calibrations will not be missed.

(Copy of current calibration certificate attached.)

Date of compliance: June 15, 1981

1, 2, & 7. Concerning daily G-M surveys in areas where Krypton-85 is used and performance of surveys in unrestricted areas and limitations of these levels:

A. Daily surveys will be performed in areas where Krypton-85 is used and in unrestricted areas including the storage container area. Readings will be recorded in a log book. A copy of the areas surveyed, including readings, is attached.

Date of compliance: June 26, 1981

B. The storage container has been moved into an enclosed and locked fenced area, having access restricted to our department supervisors and maintenance supervisors.

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NMS LIC30
12-15880-01 PDR

JUN 30 1981



Items 1, 2, & 7 B (continued)

G-M readings at the fence line are typically .01 mr/hr., and next to the storage container are typically 3-4 mr/hr.

Additional lead shielding is on order and will be used to enclose the tanks within the storage container to reduce levels to less than 2 mr/hr.

Date of full compliance: July 24, 1981

3. Concerning maximum possession of 5 curies of Krypton-85 gas at any one time:

Production Control and Purchasing have been advised of the 5 curie limit and will determine future gas requirements based upon the number of tanks and radiation levels already on the premises. The Production Department's Radiation Officer will provide Production Control and Purchasing with survey readings prior to ordering additional tanks of gas.

Date of full compliance: July 24, 1981

5. Concerning labeling of containers of licensed material:

Orders have been placed for proper labels.

Date of full compliance: July 24, 1981

6. Concerning transport index on shipping papers:

The dose rate has been changed from full Krypton-85 gas cylinders to empty ones to reflect the actual situation.

All shipping papers provided by Purchasing and Shipping now bear the statement:

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.



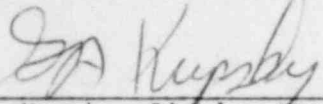
Item 6 (continued)

G-M readings are taken for each shipment and the readings are recorded as the transport index on all shipping papers.

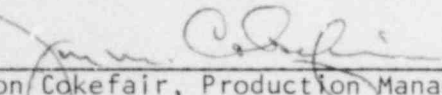
Date of full compliance: June 26, 1981

Sincerely,

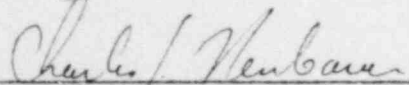
CHERRY ELECTRICAL PRODUCTS CORPORATION



G. A. Kupsky, Display Manager



Jon Cokefair, Production Manager

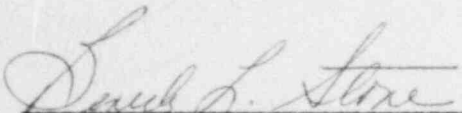


Charles Neubauer, Radiation Officer

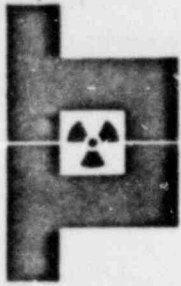
Signed before me this 29th Day of June 1981, at Waukegan Illinois, County of Lake

The above statements were made under oath.

Seal



Notary
My Commission Expires August 21, 1981



HEALTH PHYSICS ASSOCIATES LTD. CONSULTANTS IN RADIATION SAFETY

3304 COMMERCIAL AVENUE / NORTHBROOK, IL 60062 / PHONES: 312/564-3330 / CHICAGO #: 273-2525

<p>for CHERRY ELECTRICAL PRODUCTS 3600 Sunset Avenue Waukegan, IL 60085 ATTN: PLASMALUX</p> <p>P.O. # 36410-33</p>	<p>INSTRUMENT DATA</p> <p>Type <u>EON</u></p> <p>Model <u>PSM 760</u></p> <p>Serial No. <u>474136</u></p>
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CALIBRATION DATA

Scale	Radiation Level	Meter Reading	Radiation Level	Meter Reading
X-100	40	38	10	11
X-10	4	4	1	1.1
X-1	0.4	.37	0.1	0.1

ALL READINGS, UNLESS OTHERWISE INDICATED, ARE IN mR/hr

<p>CALIBRATION</p> <p><u>Cs 137</u> Source</p> <p><u>26 °C</u> Temperature</p>	<p>DRIFT CHECK</p> <p>Time <u>1</u> hrs. Temp <u>26</u> °C</p> <p>Begin <u>2 mR/hr</u> End <u>2 mR/hr</u> Meter reading with source</p>	<p>CHECK SOURCE</p> <p>END WINDOW Meter Reading</p> <p><u>0.8 mR/hr</u></p>
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MAINTENANCE DATA

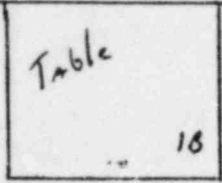
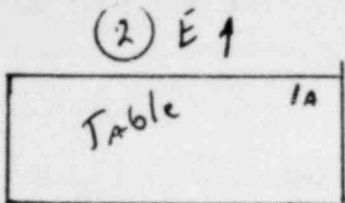
Batteries Replaced	Components Replaced	Services Performed	
2 - E95	1 - 2N 404 transistors	Battery Check	<input checked="" type="checkbox"/> Other <u>Replaced batteries and a transistor</u>
		Clean Battery Contacts	<input checked="" type="checkbox"/>
		Routine Preventative Maintenance	<input checked="" type="checkbox"/>
		Cleaned Switch Contacts	<input checked="" type="checkbox"/>

We certify that this instrument was calibrated on date shown, and it meets presently accepted standards for this type of equipment.

In accordance with NRC regulation ~~10 CFR 20.21~~, this instrument should be recalibrated before 9-15-81

CHECKED BY S. Knight ck DATE 6-15-81

Date 6-22-81



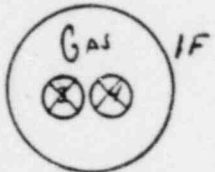
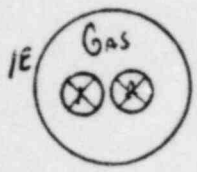
1

3



1I

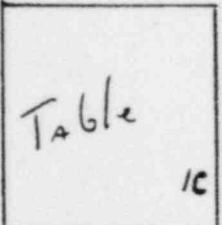
FURNACE



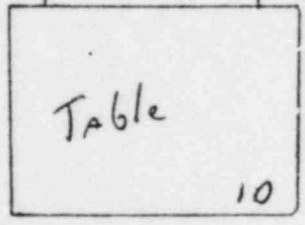
7
S →



4



6



5
W ↓

Survey Reading	
①	.01 MR/Hr
②	.02 "
③	.03 "
④	.02 "
⑤	.02 "
⑥	.02 "
⑦	.15 "
8 By Storage Area for Tanks 4.5 MR/Hr	

1J

File Badge Locations 1A - 1J

1H