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AUTOMATION INDUSTRIES, INC.
SPERRY PRODUCTS DIVISION

SHELTER ROCK ROAD
DANBURY, CONN. 06810
(203) 748-3581

RECEIVED

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U.S. NUCLEAR REG.
COMMISSION
MAIL SECTION

December 17, 1981
E:159

Mr. John W. N. Hickey
Mail Control 07221
Material Licensing Branch
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Ref: Material License No. 37-00611-09
My letters of March 19, 1981, April 3, 1981, August 21, 1981
Your telecon of November 13, 1981

Dear Mr. Hickey:

In belated response to your request of November 13 for additional information relative to our request for material license amendment, I offer the following:

1. A resume of Ed Shaffer's education and work experience is attached. Despite a limited formal technical education, I continue to be impressed with Ed's ability to assimilate and put into practice technical information. He is quite conversant now with Title 10, Part 20, and Title 49 of the CFR, including pertinent sections of the Regulatory Guide, and has recommended several improvements to our practices based on this.

In view of Ed's progress with us in the past year and Mr. Boyko's probable retirement at the end of 1982, I would like to request that the amendment to our license include Ed Shaffer as a USER of licensed material.

2. We see the on-going consulting role of Radiation Management Corp. as assisting in monitoring our radiation safety program through quarterly 1-2 day audits of records, procedures, and personnel with a written summary of findings/recommendations, and assisting us in reviewing and revising our written standard and emergency procedures. The formal procedures are now nearly ten years old and need revision, especially in view of the numerous improvements in methodology made this past year. I expect two side benefits from the RMC involvement: suggestions for further improvements based on their observations while present at the facility, and an increase in Ed Shaffer's knowledge of radiation physics and safety. A copy of the purchase order for 1982 RMC services is attached and indicates the scope of desired service.

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PDR FOIA
REED84-308 PDR

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INSPECTION AND ENFORCEMENT

JOHN W. N. HICKEY
U.S.N.R.C.

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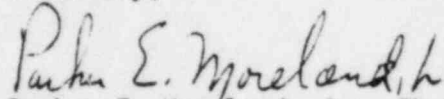
DECEMBER 17, 1981
E:159

3. I most certainly intend to suspend operations at the Phoenixville N.E.F. in the event of a perceived radiological hazard, and have given Ed Shaffer the authority, as on-site R.S.O., to suspend operations and take preventive measures in the event of an immediate hazard. Since assuming the additional R.S.O. duties in August, Mr. Shaffer has made several recommendations related to reduction of occupational dose. Each of these either has been or is currently being implemented.

I hope this provides the additional information requested 13 November. As I understand the amendment that you intend to make to our license now, it will include the original March 19 request, with the changes to delete Mr. Mayes as R.S.O. and add myself as R.S.O., Mr. Shaffer as on-site R.S.O.; and Mr. Shaffer as a USER of licensed material; and approval to test the Semi-Automatic Mechanism (SAM) for source decontamination using the Preliminary Procedures furnished earlier. Is it also possible to have the amendment incorporate ultimate use of the SAM subject to successful testing and NRC approval of Final Procedures?

Should you have further questions, please call me at (203) 796-5028 (direct-in-dial line).

Sincerely,



Parker E. Moreland, Jr., Ph.D.
Operations Manager - Phoenixville N.E.F.

PEM/pls

cc: J. Cleary (Corp. legal)
S. Boyko
E. Shaffer

Attachments: Resume
Purchase Order

RESUME OF EDWARD O. SHAFFER

EDUCATION:

- B.S. degree in Bible, Valley Forge Christian College, 1980
G.P.A. = 3.6
Course work included management training. Elected to Who's Who Among Students in American Colleges and Universities.
- High School diploma, Plymouth-Whitemarsh H.S., 1976
Advanced placement courses in calculus, chemistry, physics, nuclear physics, and astronomy. Semester of independent study on elementary interactions and unified field theory.

EXPERIENCE:

- 9/81 to present - Assigned additional duties of on-site R.S.O. representative. Supervise radiation monitoring program, interpret relevant portions of Titles 10 and 49, CFR, on day-to-day basis, do limited health physics work.
- 11/80 to present - Radiation Technician/Management Trainee
Duties include decontamination, loading and disposal of sealed Ir^{192} and Co^{60} radioactive sources, rad-waste handling, shipping and receiving of radioactive materials. Training in facility operation and control.
- 8/78 to 7/80 - Maintenance Electrician
Electrical work on commercial and residential wiring, including 220/440 volt systems up to 600 amps, motor controls, low-voltage controls, appliances, and audio systems.

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SPERRY PRODUCTS DIVISION
SHELTER ROCK ROAD
DANBURY, CT 06810
PHONE: (203) 748-1581

04616 **2248**
BLANKET ORDER

CONFIRMATION: DO NOT DUPLICATE IF X INDICATED IN ☐

INVOICE TO THE ACCOUNTS/PAYABLE DEPARTMENT
CHECKED BY: [REDACTED]

TO: 63420
RADIATION MANAGEMENT CORP.
3508 Market Street
Philadelphia, PA 19104

DATE OF ORDER 2/16/81	TERMS N30	REQUESTOR S. BOYKO	DATE OF ORDER PARKER MORELAND	DATE OF COMPL. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	TAX <input type="checkbox"/> TAX <input checked="" type="checkbox"/> XX	NON-TAX PERM. S. 156-161
DELIVERY	SP			SALES	JEAN	

CONSULTING SERVICES DURING 1982:

1. Conduct quarterly radiation safety/procedure audits of the nuclear encapsulation facility in Pheonixville, PA.
2. Assist Sperry Products Division personnel in the review and revision of both normal and emergency operating procedures for the Phoenixville N.E.F.
3. Provide training/consulting services for Mr. Ed Shaffer as required.

THIS PURCHASE ORDER SUPERCEDES PO #02225.

THIS ORDER IS VALUD FROM JANUARY 1, 1982 through DECEMBER 31, 1982.

REPLY: RACING NO. AND ONE PURCHASE ORDER NO.
PLEASE ON ALL IN-CHARGE OF THE ORDER

NOTE: HOW INVOICE OF THE SHOW VENDOR

AUTOMATION INDUSTRIES, INC.
SPERRY PRODUCTS DIVISION

[Signature]

VENDOR

CONVERSATION RECORD

TIME

DATE

11/5/81

TYPE

☐ VISIT

☐ CONFERENCE

☒ TELEPHONE

☒ INCOMING

☐ OUTGOING

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

ORGANIZATION (Office, dept., bureau, etc.)

TELEPHONE NO.

R. Meyer, I-E HQ

IE-HQ

27432

SUBJECT

Automation Industries Amendments

M.C. 07221

SUMMARY

Telecon with Al Grella (IE-HQ), R. Meyer, J. Kinneran (R-1), F. Costello, Joe Davis (R-I).

I expressed concern about whether Automation Industries should improve their hot cell operation & RSO situation. IE consensus was that situation was marginal, but acceptable, and that action to force improvements would be hard to make stick in a hearing.

I told him I would discuss with ^{NMSS} management in light of possible AEOO recommendations (San Lettigh).

They pointed out that I needed to make sure RSO authority & role of consultant is clarified.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

J. Nicky

ACTION TAKEN

SIGNATURE

TITLE

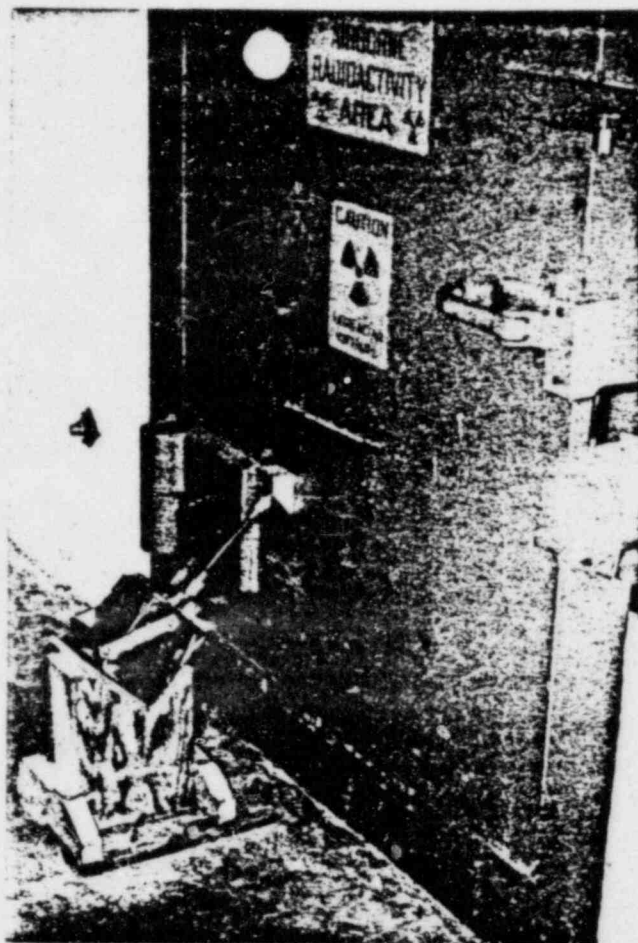
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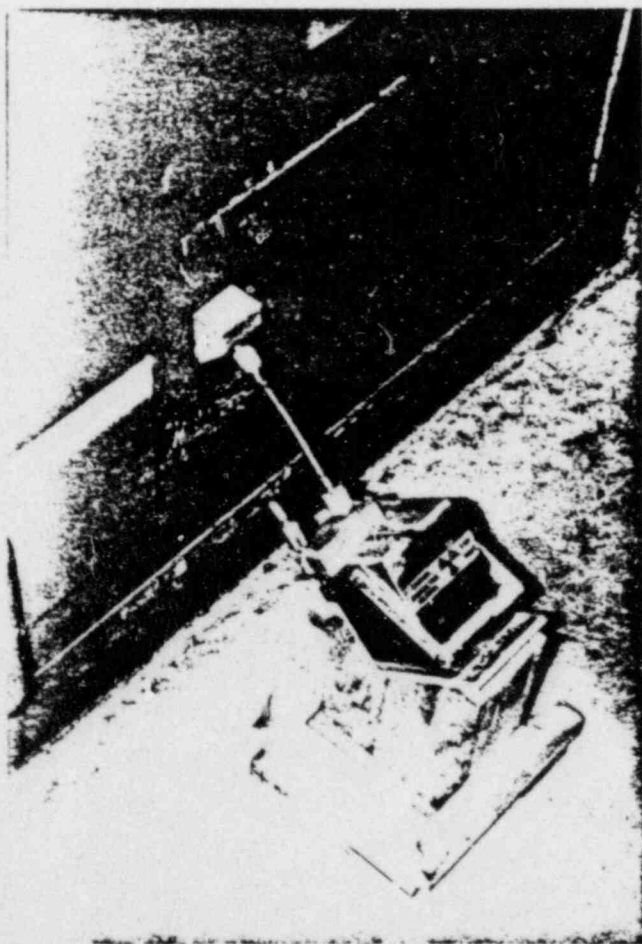
ATTACHMENT II

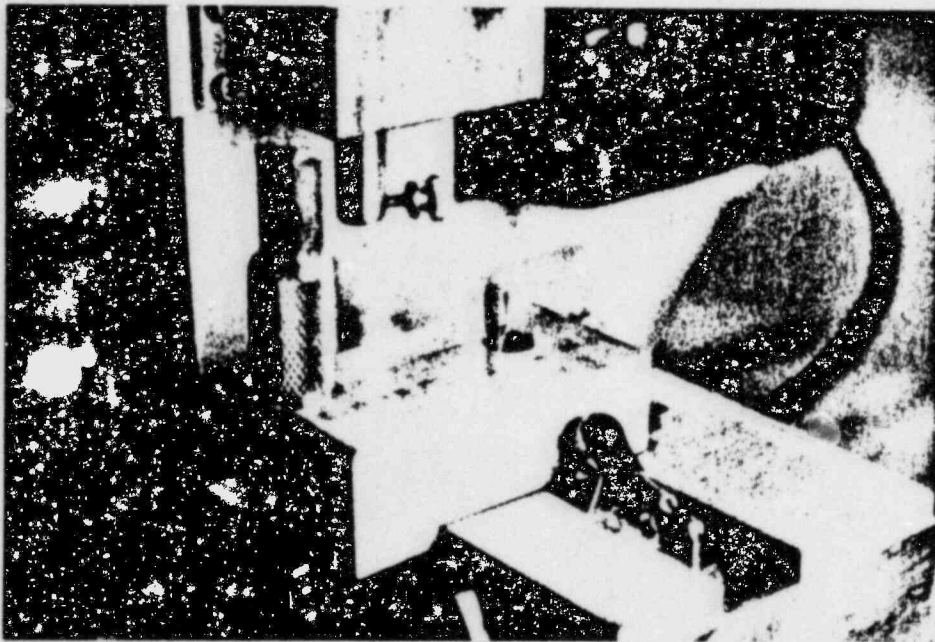
Views of S.A.M. source transfer unit (a modified Model 500-SU with source clamp) receiving source through hot-cell door.

Lower right photo shows guide tube disconnected prior to moving transfer device to the S.A.M. for source cleaning operation.



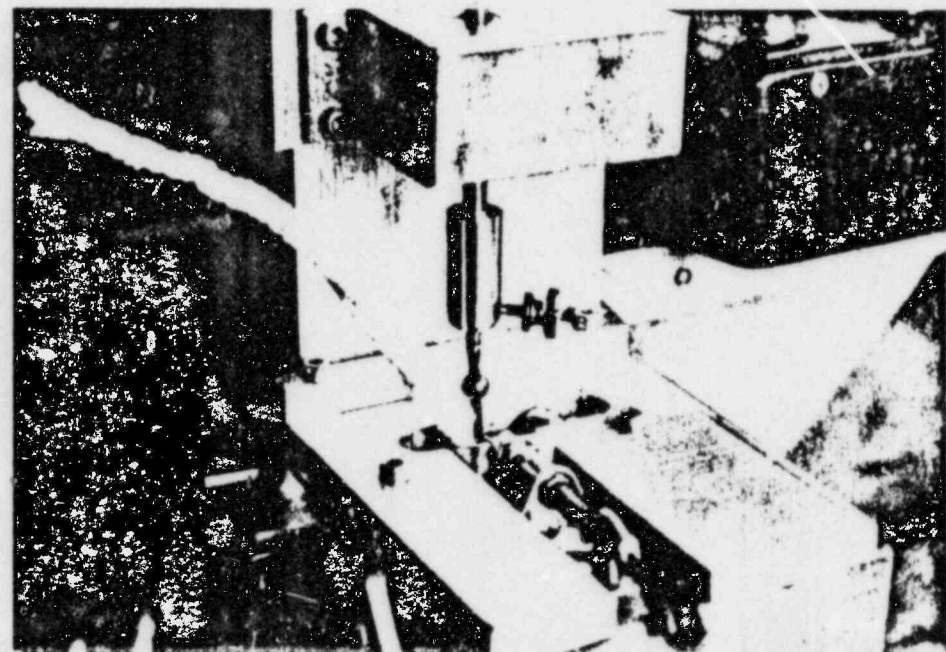
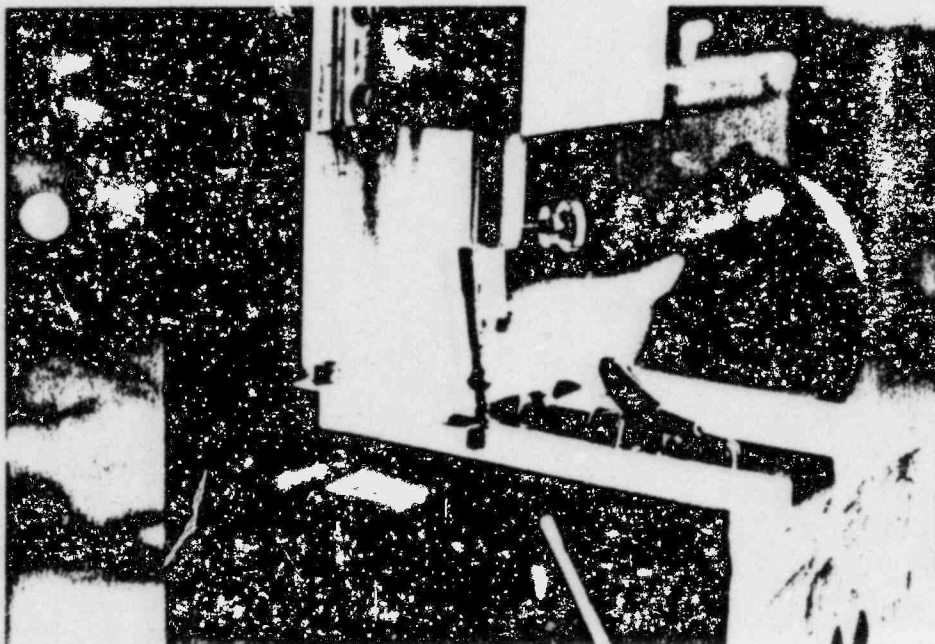
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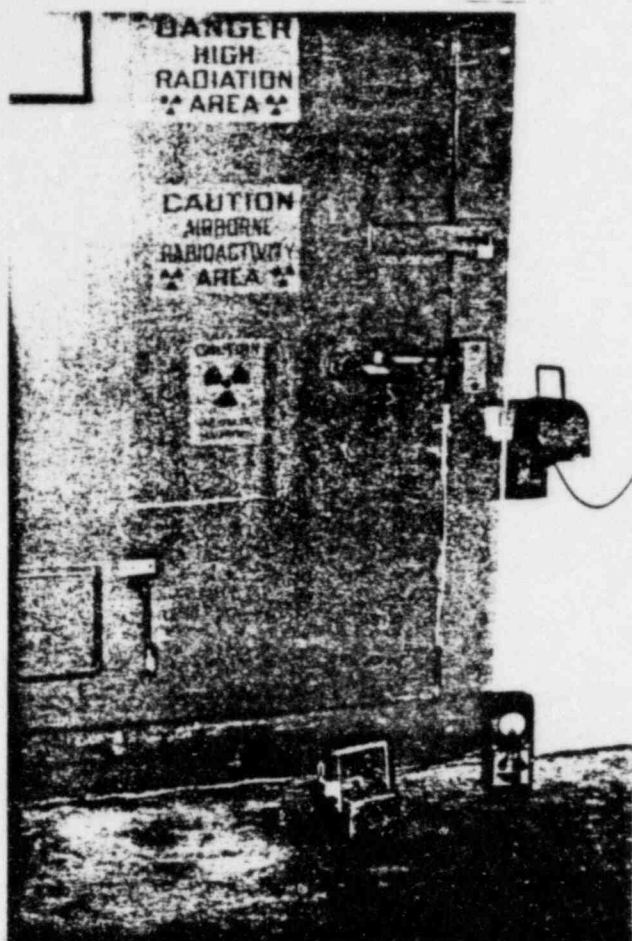




Close-up views of loading and connection operations (CCW from upper left) with source transfer device and S.A.M prior to starting automatic source wiping. Note cam actuated pigtail clamp, guidetube adaptor block, and large pipe cleaners used to wipe sources. Clamp is shown in unlocked position in lower right photo.

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ATTACHMENT II (cont'd)

Views of S.A.M. transfer device
at hot-cell door.

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