

GENERAL ACTIVITY REPORT

REG. NO.	EXPIRATION DATE	COUNTY NO. <u>82</u>	COUNTY <u>Wayne</u>	Michigan Department of Public Health Division of Radiological Health 3423 N. Logan/Martin L. King Jr. Blvd. P.O. Box 30195 Lansing, Michigan 48909 Telephone: (517) 335-8220	
ACTIVITY DATE <u>6-18-92</u>	PRIORITY NO.	DELETE	STAFF NO. <u>60</u>	ASSISTANT STAFF NO. <u>51</u>	
REGISTRANT		FACILITY <u>Astro Instrument, Inc</u> <u>11496 Fort LANCE</u> <u>Detroit MI 48205</u>		CONTACTS:	

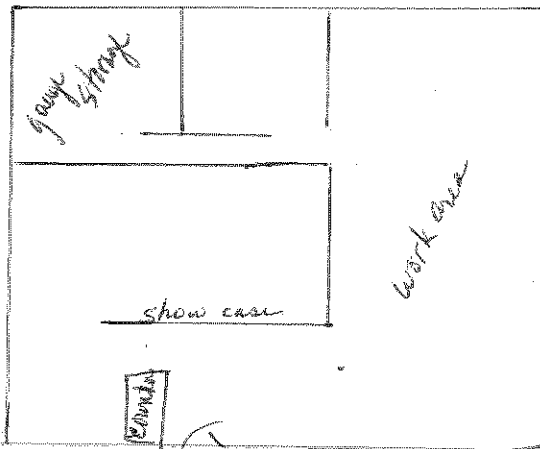
REMARKS:

reviewed situation

has many ^{many} gauges

has access to a μ R/hr meter - shared with Beacon.

COPIES SENT



wants to move radium gauges out to gauge behind building

he called 6/18/92 and said that he would need a couple of months to separate everything out. (He has many many gauges for which he must complete work)

STATUS	ORIGIN	CONTACT
0. Not Applicable 1. Compliance 2. Pending Disposal 3. Pending Correction 4. Not Determined	0. Not Applicable 1. New 2. Renewal 3. Amendment 4. Follow-up 5. Request 6. Complaint 7. Incident	0. Not Applicable Full Investigation 1. Complete 2. Incomplete 3. Partial Investigation 4. Office 5. Telephone 6. Plan Review 7. No Contact
Time Limit (days)		

Astro Instrument Inc.

11496 PORTLANC
DETROIT, MI 48205
313-839-9133

RECEIVED
Michigan Department of Public Health

FEB 03 1993

BUREAU OF ENVIRONMENTAL &
OCCUPATIONAL HEALTH - DRH

February 2, 1993

Mr. George W. Bruchmann
Bureau Of Environmental And Occupational Health

Dear Mr Bruchmann

The Instruments Containing Radium Dials That I Had Were Sold To A Vendor Out Of State
I Have Checked The Shop With Ludlum Model 3 And Ludlum Model 44-9 Head.
I Have Enclosed Copy Of Calibrating Certificate. As Of This Date I Cannot Identify
any Radium In Shop.
Feel Free To Contact Me If You Have Any Questions Or If You Wish To Come Into Shop.

Sincerely

Richard Tuscany

Richard Tuscany
President

*Copies to
Tom &
Rayma
2/2/93*



CALIBRATION CERTIFICATE

This Certificate will be accompanied by Calibration Charts or Readings where applicable

CUSTOMER INFORMATION	INSTRUMENT INFORMATION
Customer Name: <u>Astro Instruments</u>	Instrument Manufacturer <u>Ludlum</u>
Customer Address: <u>11496 Portlance</u>	Model <u>3</u> Serial Number <u>91648</u>
<u>Detroit, MI 48205</u>	External Probe(s) <u>44-9</u> Serial # <u>090991</u>
Customer P.O.# _____	Calibration Method _____
Work Order # <u>I-92-06-227</u>	<u>99</u> MP-1 s/n 318
	<u>137</u> Tc s/n 1256
	<u>230</u> Th s/n 11623 <u>137</u> Cs s/n 107

INSTRUMENT CALIBRATION INFORMATION

	Instrument Range	Calibration Standard Value	Instrument Response		Comment
			Before Calib.	After Calib.	
1	X0.1	100 CPM		100 CPM	All Calibrations Btn. + & - 10%
2		200		200	
3		400		400	
4	X1	1K		1K	⁹⁹ Tc Efficiency = 15.4%
5		2K		2K	
6		4K		4K	
7	X10	10K		10K	1 mR/hr = 3600 CPM in ¹³⁷ Cs field
8		20K		20K	
9		40K		40K	
10	X100	100K		100K	²³⁰ Th Efficiency = 14.3%
11		200K		200K	
12		400K		400K	
13					High Voltage = 900 Volts
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					

STATEMENT OF CERTIFICATION

We Certify that the instrument listed above was calibrated and inspected prior to shipment and that it met all of the Manufacturers published operating specifications. We further certify that our Calibration Measurements are traceable to the National Institute of Standards and Technology (We are not responsible for damage incurred during shipment or use of this instrument).

Instrument Calibrated by: <u>William Owens</u> (Signed)	I certify that the above information is correct:
Calibration Date: <u>06-23-92</u>	<u>Theresa McEwan</u> <u>06-23-92</u>
Next Calibration Due: <u>06-23-93</u>	Administrative Coordinator Date

STATE OF MICHIGAN



JOHN ENGLER, GOVERNOR

DEPARTMENT OF PUBLIC HEALTH

3423 N. LOGAN/MARTIN L. KING JR., BLVD.
P.O. BOX 30195, LANSING, MICHIGAN 48909

Vernice Davis Anthony, Director

January 27, 1993

Mr. Dick Tuscany
Astro Instrument, Inc.
11496 Portlance
Detroit, Michigan 48205

Dear Mr. Tuscany:

During the last several months, the Division of Radiological Health has identified your facility as possessing radium and/or having radium contamination within the facility.

As of this date, we have not received any notification from you regarding the disposal of this material and the remediation of contamination problems.

Act 368 P.A. 1978, The Public Health Code, and the Ionizing Radiation Rules, which were promulgated under Act 368, require that persons or companies possessing radium must register the radioactive material in their possession. These rules also include regulations for the safe handling of radioactive material.

Enclosed is a radioactive materials registration form. This form must be completed and returned immediately. Since it will be difficult to establish the actual quantity of radioactive material on hand, please describe what items are actually in your possession. As an example:

- 10 gauges
- 1 box, 10" wide x 12" deep x 8" high, gauge faces
- 2 boxes, 5" wide x 6" deep x 4" high, pointers; OR
- 5 garbage bags full of various items (provide best estimate you can of the contents, but you should not open the bag to make the estimate)

Also enclosed is an order form for the Ionizing Radiation Rules. All facilities are expected to comply with the requirements of the rules. Some of these requirements are listed below.

1. Leak Tests

Tests for leakage of radioactive material shall be conducted at intervals not to exceed six months unless a different interval has been specified [Rules 511 and 85(2)(c)]. The leak tests shall be conducted by a qualified person using approved test methods [Rule 85(2)(d)]. If the test detects five nanocuries or more of removable material, the Department shall be notified within 30 days in accordance with the description in Rule 85(2)(e). Leak test records shall be kept in accordance with Rule 245.

2. Surveys

Surveys shall be conducted to insure compliance with these rules [rule 222(2)]. Radiation detection equipment may be required to establish compliance and to insure protection of the workers.

3. Standards for Protection

The facility shall comply with the applicable rules in Part 5 of the Ionizing Radiation Rules, including Rules 237, 253, and 272 regarding contamination and decontamination and Rule 238 regarding disposals.

A list of several companies offering disposal services is enclosed. This list includes information specific to radium disposal.

Questions regarding the above should be forwarded to the Investigation and Compliance Section of this division.

Thank you for your cooperation.

Sincerely,

BUREAU OF ENVIRONMENTAL
AND OCCUPATIONAL HEALTH



George W. Bruchmann, Chief
Division of Radiological Health

TMD/clb

Enclosures: RH-20 (Radioactive Material Registration)
Order Form for Ionizing Radiation Rules
Listing of Radioactive Waste Disposal Services