



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

May 18, 2001

Docket No. 030-34615

License No. 06-30423-01

Ioan G. Crihan  
President  
Megarad, Inc.  
417 East 64<sup>th</sup> Street  
New York, NY 10021

SUBJECT: INSPECTION 030-34615/2001-001, MEGARAD, INC. AT LONGWOOD  
INSPECTION FACILITIES, NIANTIC, CONNECTICUT

Dear Dr. Crihan:

On May 7, 2001, Jenny Johansen of this office conducted a safety inspection at the Longwood Inspection Facility, 277 West Main Street, Niantic, Connecticut of activities authorized by the above listed NRC license. The inspection was an examination of your licensed activities as they relate to radiation safety and to compliance with the Commission's regulations and the license conditions. The inspection consisted of observations by the inspector, interviews with personnel, and a selected examination of representative records. The findings of the inspection were discussed during telephone conversations with you on May 16 and 17, 2001. You had indicated that you never possessed licensed radioactive material under the NRC license listed above. Based on the telephone discussion between you and Ms. Johansen on May 17, 2001, it is our understanding that you plan to obtain and use licensed material authorized by your license at temporary job sites within 30 days of the May 17, 2001, conversation. If our understanding is incorrect, or if you do not obtain or use licensed materials authorized by the above listed license by June 17, 2001, 10 CFR 30.36 (d) (3) requires that you notify the NRC in writing indicating that no principal activities have been conducted under this license for a period of 24 months.

Within the scope of this inspection, no violations were identified.

In accordance with 10 CFR 2.790, a copy of this letter will be placed in the NRC Public Document Room and will be accessible from the NRC Web site at <http://www.nrc.gov/NRC/ADAMS/index.html>. No reply to this letter is required.

Your cooperation with us is appreciated.

Sincerely,

***Original signed by Judith A. Joustra***

John D. Kinneman, Chief  
Nuclear Materials Safety Branch 2  
Division of Nuclear Materials Safety

I. Crihan  
Megarad, Inc

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cc:  
Richard Jastremiski, Radiation Safety Officer  
State of Connecticut

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OFFICE	DNMS/RI	N	DNMS/RI	DNMS/RI		
NAME	Jjohansen/jaj for:		Jkinneman/jaj for:			
DATE	5/18/01		5/18/01			

OFFICIAL RECORD COPY

<b>APPENDIX A INDUSTRIAL RADIOGRAPHY INSPECTION RECORD (IP 87120)</b>									
<b>REGION I</b>									
Insp. Record #	<b>01-001</b>	License #	<b>06-30423-01</b>			Docket #	<b>030-34615</b>		
Licensee Name	<b>Megarad</b>								
Street Address	<b>277 West Main St.</b>								
City, State, Zip	<b>Niantic, CT 06357-1018</b>								
Location (Authorized Site) Being Inspected	<b>Longwood Inspection 277 West Main Street Niantic, Ct</b>								
Licensee Contact Name	<b>Ioan Crihan, President</b>				Phone #	<b>212-472-0840</b>			
Priority	<b>1</b>	Program Code	<b>03320</b>		Description	<b>Industrial Radiography</b>			
Date of Last Inspection:	<b>6/12/00</b>			Date of This Inspection	<b>5/7/01</b>				
Type of Insp.	Announced		Routine	<b>x</b>	Initial				
	Unannounced	<b>x</b>	Special						
Next Insp. Date	<b>5/2003</b>	Normal		Reduced		Extended	<b>x</b>		
Justification for change in normal inspection frequency:	<b>No violations 00-001 and 01-001 No materials at facility none received.</b>								
<b>Summary of Findings and Actions</b>									
No violations, Clear 591 or letter issued				<b>x</b>	Non-cited violations				
Violation(s), 591 issued		Violation(s), letter issued							
Follow up on previous violations:	<b>Clear 00-001</b>								
Inspector - Printed Name	<b>Jenny M. Johansen</b>								
- Signature	<b>/RA/</b>				Date	<b>5/16/01</b>			
Approved - Printed Name	<b>John D. Kinneman, Chief NMSB2</b>								
- Signature	<b>/RA by Judith A. Joustra for/</b>				Date	<b>5/18/01</b>			

<b>PART I-LICENSE, INSPECTION, INCIDENT/EVENT, AND ENFORCEMENT HISTORY</b>		
<b>1.</b>	<b>AMENDMENTS AND PROGRAM CHANGES</b>	
License amendments issued since last inspection, or program changes noted in the license.		
Amendment No.	Date	Subject
		N/A
<b>2.</b>	<b>INSPECTION AND ENFORCEMENT HISTORY</b>	
Unresolved issues; previous and repeat violations; Confirmatory Action Letters; and orders.		
N/A		
<b>3.</b>	<b>INCIDENT/EVENT HISTORY</b>	
List any incidents or events reported to NRC since the last inspection. Citing "None" indicates that regional event logs, event files, and the licensing file have no evidence of any incidents or events since the last inspection.		
NONE		
<b>PART II - INSPECTION DOCUMENTATION</b>		
NOTE: References that correspond to each inspection documentation topic are in Inspection Procedure 87120, Appendix B, "Industrial Radiography Inspection References."		
<p>The inspection documentation part is to be used by the inspector to assist with the performance of the inspection. Note that not all areas indicated in this part are required to be addressed during <u>each</u> inspection. However, for those areas <u>not covered</u> during the inspection, a notation ("Not Reviewed" or "Not Applicable") should be made in each section, where applicable.</p> <p>All areas covered during the inspection should be documented in sufficient detail to describe what activities and procedures were observed and/or demonstrated. In addition, the types of records that were reviewed and the time periods covered by those records should be noted. If the licensee demonstrated any practices at your request, describe those demonstrations. The observations and demonstrations you describe in this report, along with measurements and some records review, should substantiate your inspection findings. Attach copies of all licensee documents and records needed to support violations.</p>		
<b>1.</b>	<b>ORGANIZATION AND SCOPE OF PROGRAM</b>	
Management organization; authorities and responsibilities; authorized locations of use; type, quantity, and frequency of byproduct material use; staff size; delegation of Radiation Safety Officer (RSO) functions; reporting chain-of-command; multiple field offices and temporary job sites.		

<b>Dr Crihan is President, Richard Jastremski is RSO. NO materials have been received by licensee.</b>	
<b>2.</b>	<b>MANAGEMENT OVERSIGHT</b>
Management support to radiation safety; RSO; program audits or inspections; authorized individuals; as low as is reasonably achievable (ALARA) reviews.	
N/A	
<b>3.</b>	<b>FACILITIES</b>
Facilities as described; uses; control of access; engineering controls; separation of materials and explosives; containers labeled.	
<p><b>Bruce Schlueter, new Division manager at Longwood Inspection was unaware of arrangement to rent storage space and store radioactive materials at their 277 Main st. site if Megarad ever obtained material. Megarad has never stored material at facility.</b></p> <p><b>Note: Ltr date 11/24/98 from John A. Stringer Longwood Inspection authorizes space and storage.</b></p>	
<b>4.</b>	<b>EQUIPMENT AND INSTRUMENTATION</b>
Radiography devices, source assemblies, source changers, special equipment meet performance requirements; appropriate survey instruments, dosimeters, alarming ratemeters.	
NI	
<b>5.</b>	<b>MATERIAL USE, CONTROL, AND TRANSFER</b>
Materials and uses authorized; security and control of licenses materials; and procedures for receipt and transfer of licensed material; inventories; utilization logs.	
NI	
<b>6.</b>	<b>INSPECTION AND MAINTENANCE</b>
Maintenance program; daily and quarterly inspections; records of defects; source modifications; Type B packages; 10 CFR Part 21 reports.	
NI	
<b>7.</b>	<b>FIELD STATIONS AND TEMPORARY JOB SITES</b>
Documents and records at field stations and temporary job sites; operating and emergency procedures; Agreement State licenses.	
NI	
<b>8.</b>	<b>AREA RADIATION SURVEYS AND CONTAMINATION CONTROL</b>

Radiological surveys (instruments, perimeter, storage devices, post-exposure, post-source exchange, storage area); leak tests (frequency, sealed sources, depleted uranium devices); handling of radioactive materials; records; and public doses.	
NI	
9.	<b>TRAINING AND INSTRUCTIONS TO WORKERS</b>
Interviews and observations of routine work; staff knowledge of all routine activities; Parts 19, 20, and 34 requirements; training programs, including written tests; supervisor, assistant training.	
NI	
10.	<b>RADIATION PROTECTION</b>
Radiation protection program with ALARA provisions; external dosimetry (dosimeters, direct reading dosimeters, alarming ratemeters); exposure evaluations; planned special exposures; dose and survey records and reports; annual notifications to workers; bulletins and other generic communications.	
NI	
11.	<b>RADIOACTIVE WASTE MANAGEMENT</b>
Storage areas; transfer; packaging; control, and tracking procedures; records.	
NI	
12.	<b>DECOMMISSIONING</b>
Records relevant to decommissioning; decommissioning plan/schedule; notification requirements; cost estimates; funding methods; financial assurance; and Timeliness Rule requirements; changes in radiological conditions since decommissioning plan was submitted.	
NI	
13.	<b>TRANSPORTATION</b>
Quantities and types of licensed material shipped; packaging design requirements; shipping papers; hazardous materials (HAZMAT) communication procedures; return of sources; procedures for monitoring radiation and contamination levels of packages; HAZMAT training; and records and reports.	
NI	
14.	<b>NOTIFICATIONS AND REPORTS</b>
Reporting and followup of theft; loss; incidents; overexposures; radiation exposure reports to individuals; reporting Part 21 defects and certain equipment failures.	
NI	

<b>15.</b>	<b>POSTING AND LABELING</b>				
Notices; license documents; regulations; bulletins and generic information; area postings; and labeling of containers of licensed material; markings.					
<b>NI</b>					
<b>16.</b>	<b>INDEPENDENT AND CONFIRMATORY MEASUREMENTS</b>				
Areas surveyed and measurements made; comparison of data with licensee's results and regulations; and instrument type and calibration date.					
<b>NI</b>					
<b>17.</b>	<b>VIOLATIONS, NCVs, AND OTHER SAFETY ISSUES</b>				
State requirement and how and when licensee violated the requirement. For NCVs, indicate why the violation was not cited. Attach copies of all licensee documents needed to support violations.					
<b>CLEAR</b>					
<b>18.</b>	<b>PERSONNEL CONTACTED</b>				
Identify licensee personnel contacted during the inspection (including those individuals contacted by telephone). Use # to indicate individual present at entrance meeting. Use * to indicate individual present at exit meeting.					
	Name	Title	Phone No.	In Person or By phone	
	<b>Bruce D. Schlueter</b>	<b>Division Manager,</b>	<b>860-691-4614,</b>	<b>in person</b>	
	<b>Ioan Crihan</b>	<b>Longview Inspection President</b>	<b>Ext 114 212-472-0840</b>	<b>by phone</b>	
<b>19.</b>	<b>PERFORMANCE EVALUATION FACTORS</b>				
A.	Lack of senior management involvement with the radiation safety program and/or RSO oversight.			Y	N
B.	RSO too busy with other assignments.			Y	N
C.	Insufficient staffing.			Y	N
D.	RSC fails to meet or functions inadequately.		N/A	Y	N
E.	Inadequate consulting services or inadequate audits conducted.		N/A	Y	N
<b>REMARKS</b> :(Consider the above assessment and/or other pertinent Performance Evaluation Factors (PEFs) with regard to the licensee's oversight of the radiation safety program)					

<b>20.</b>	<b>SPECIAL CONDITIONS OR ISSUES</b>	
NONE	<input checked="" type="checkbox"/>	Special license conditions

<b>PART III - POST- INSPECTION ACTIVITIES</b>	
<b>1.</b>	<b>REGIONAL FOLLOWUP ON PEFs</b>
N/A	
<b>2.</b>	<b>DEBRIEF WITH REGIONAL STAFF</b>
Post-inspection communication with supervisor, regional licensing staff, Agreement State Officer; and/or State Liaison Officer.	
<b>BRIEFED ACTING BRANCH CHIEF</b>	

TO ADVANCE TO NEXT SECTION OF FORM - PRESS **PAGE DOWN** KEY  
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