

**IEM****Integrated Environmental Management, Inc.**

9040 Executive Park Drive, Suite 205  
Knoxville, TN 37923  
Phone: (615) 531-9140  
Fax: (615) 531-9130

1680 East Gude Drive, Suite 305  
Rockville, MD 20850  
Phone: (301) 762-0502  
Fax: (301) 762-0638

April 26, 1995

Mr. James Caldwell  
Nuclear Materials Inspection, Section 2  
United States Nuclear Regulatory Commission  
801 Warrenville Road  
Lisle, Illinois 60523-4351

**Re: License No. 34-19089-01**

Dear Mr. Caldwell:

Recently, Advanced Medical Systems, Inc. (AMS) was issued Amendment No. 32 to the referenced license number to permit treatment of contaminated water that currently exists in the basement of the London Road facility. Documentation submitted by AMS in its amendment application indicates that Quanterra, Inc., a commercial analytical laboratory located in St. Louis, Missouri, would provide confirmatory analyses on water samples.

Quanterra has recently indicated that they may not be unable to maintain the "rapid turnaround time" AMS has imposed for much longer.<sup>1</sup> Therefore, AMS has retained Lockheed Analytical Services (975 Kelly Johnson Drive, Las Vegas, Nevada 89119-3705) as a back-up.<sup>2</sup> If you have any questions about this contract change, please call me at (301) 762-0502.

Sincerely,

Carol D. Berger, C H P.

cc: B. Meschter  
D. A. Miller

<sup>1</sup> Samples collected for confirmatory analyses are forwarded, by overnight carrier, to the laboratory for priority (e.g., before 10:00 a.m.) delivery. Once received, the samples are logged into the sample tracking system, analyses are completed, and results are faxed to the AMS water treatment project manager before 1:00 p.m. the day following sample shipment.

<sup>2</sup> Lockheed will perform gamma spectroscopy and solubility testing by the same methodology and with the same level of Quality Assurance as has been provided by Quanterra. However, because of time zone differences, the preliminary results will not be delivered to the AMS project manager until late afternoon.

B/139

April 26, 1995

Branch

City of Cleveland  
Department of Law  
ATTN: Martha R. McCorkle  
Assistant Director of Law  
601 Lakeside Avenue  
Cleveland, Ohio 44114

Dear Ms. McCorkle:

This responds to your March 29, 1995 letter to Mr. Grobe of my staff regarding emergency preparedness activities at the Advanced Medical Systems, Inc. (AMS) facility in Cleveland, Ohio. Your letter indicates that the NRC was incorrect in its statement in its March 3, 1995 letter to AMS indicating that the Cleveland Fire Department would not be fully prepared to participate in an emergency response exercise until July or August 1995. Unfortunately, it appears that the statement in our letter has been misinterpreted.

The AMS license and emergency plan requires that a biennial emergency exercise be performed. During an October 1994 NRC inspection of the AMS facility, we identified that the AMS facility had not performed the required emergency exercise. In addition, we identified AMS management weaknesses in the administration of its emergency plan. Further, we determined that the licensee had not pursued and maintained an appropriate relationship with the Cleveland Fire Department.

These shortcomings in AMS' administration of its emergency planning responsibilities contributed to the occurrence of the violation. In our November 29, 1994 letter transmitting the report of that inspection, we clearly communicated our expectation to AMS that it strengthen its management oversight of facility emergency planning and improve its interaction with the Cleveland Fire Department.

Through our efforts and the efforts of your Mayor's Ad Hoc Task Force addressing emergency planning issues at AMS, there have been significant improvements in the interface between city emergency services and AMS. As you are aware, we sit as a representative on that Task Force and have provided strong support of the city's activities, including bi-weekly briefings of the Task Force Chairperson and other city staff on activities at AMS. We look forward to continuing our good relationship with the City of Cleveland regarding AMS and other matters under our regulatory authority.

Chief Root of the Cleveland Fire Department has been working closely with AMS to improve the design of the fire detection and suppression systems at the licensee's London Road facility. AMS is implementing those improvements. AMS has also provided additional training for fire department personnel. In

B/140

9505030161 3AP

addition, from conversations with Chief Root, we understand that the Cleveland Fire Department is revising and updating its Fire Pre-Plan for the AMS facility to be consistent with the re-designed systems and updated knowledge of the facility. Most noteworthy in these activities with AMS have been the efforts and professionalism exhibited by Chief Root and Lieutenant Scott of the Cleveland Fire Department.

While we desired to have AMS conduct an emergency exercise as soon as possible, we recognized that insisting on a prompt exercise would divert valuable city and licensee resources from the ongoing improvements that were being made. Consequently, we agreed to allow AMS to defer the completion of its emergency exercise until it completes its work with the fire department in improving its emergency preparedness. We understood that the improvement efforts undertaken by both AMS and the Cleveland Fire Department would not be completed until early summer 1995. Exercising the system and procedures earlier would likely not produce the most effective test of either the fire department's or AMS's readiness capabilities.

Let me assure you that at no time did we have any reservations regarding the professionalism of the Cleveland Fire Department or its readiness to successfully participate in an exercise or respond to an actual emergency.

I believe that it was the lack of these details in our March 3, 1995 letter that caused you to misunderstand our statement in that letter. If this misunderstanding has caused you any difficulties, we apologize. We continue to review AMS's revised emergency plan submitted on January 26, 1995, as part of its license renewal application. We look forward to reviewing the city's comments on the AMS plan and we will provide the city with the results of our review as soon as they become available.

Again, we look forward to continued close coordination with the City of Cleveland and the Ad Hoc Task Force to bring emergency planning issues to closure. If you have any questions regarding licensed activities at AMS or our oversight of them, please do not hesitate to contact me at 708/829-9801 or Wayne Slawinski of my staff at 708/829-9820.

Sincerely,

Original Signed By

James L. Caldwell, Deputy Director  
Division of Radiation Safety and Safeguards

Docket No.: 030-16055  
License No.: 34-19089-01

See Attached Distribution

DOCUMENT NAME: G:\LTRS2LIC\MTLS\030\95316055.L26

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

FACE	RIII	C	RIII	C	RIII	C	NMSS	OGC	*	RIII
ME	MEYER: do		WSLAWINSKI	for	JMADERA		DCOOL	MZOBLE	via e-mail	JCABWELL
DATE	04/26/95		04/26/95		04/26/95		04/25/95	04/21/95		04/24/95

OFFICIAL RECORD COPY

Distribution

Robert Meschter  
Radiation Safety Officer  
Advanced Medical Systems, Inc.  
121 N. Eagle Street  
Geneva, OH 44041

Michael R. White, Mayor  
City of Cleveland  
601 Lakeside Avenue  
Cleveland, OH 44114

Erwin J. Odeal, Executive Director  
Northeast Ohio Regional Sewer District  
3826 Euclid Avenue  
Cleveland, OH 44115

Michael Kalstrom, Secretary  
County of Cuyahoga  
Cuyahoga Emergency Management  
Assistance Center  
1255 Euclid Avenue, Room 102  
Cleveland, OH 44115-1807

Marian Zobler  
U.S. Nuclear Regulatory Commission  
bcc:  
Cathy Haney, NMSS  
PUBLIC IE07  
AMS File

E-mail:

Bruce Berson (BAB1)  
Bill Brach (EWB)  
Jim Caldwell (JLC1)  
Fred Combs (FCC)  
Donald Cool (DAC)  
Steve Crockett (SFC)  
Joe DeCicco (JXD1)

Jack Grobe (JXD1)  
Cathy Haney (CXH)  
Tim Johnson (TCJ)  
John Madera (JRM4)  
Kevin Null (KGN)  
Cindy Pederson (CDP1)  
Josie Piccone (JMP1)

Robert E. Owen, Administrator  
Department of Health  
246 North High Street, 3rd Floor  
P.O. Box 118  
Columbus, OH 43266

Lisa Mehringer  
City of Cleveland Law Department  
601 Lakeside Avenue, Room 106  
Cleveland, OH 44114

Erv Ball, Deputy Director  
Cuyahoga County Board of Health  
1375 Euclid Avenue, Suite 524  
Cleveland, OH 44115

Jane Harf, Chairperson  
Ohio State Emergency Response  
Commission  
1800 Watermark Drive  
P.O. Box 163669  
Columbus, OH 43219-3669

Gary Shear (GLS)  
Wayne Slawinski (WJS2)  
Mike Stein (MHS)  
Mike Weber (MFW1)  
Marian Zobler (MLZ)  
Bernie Bordenick (BMB)