

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Philotechnics, Ltd. 11542 Fort Mims Drive St. Louis, MO 63178 REPORT NUMBER(S) 2008-005 -2008-004		2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road Suite 210 Lisle, Illinois 60532-4351	
3. DOCKET NUMBER(S) 150-00020	4. LICENSEE NUMBER(S) MA56-0543	5. DATE(S) OF INSPECTION 12/10/08	

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy NUREG-1600, to exercise discretion, were satisfied.

_____ Non-Cited Violation(s) was/were discussed involving the following requirement(s) and Corrective Action(s):

- 4. During this inspection certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11 (Violations and Corrective Actions)

Licensee's Statement of Corrective Actions for Item 4, above.

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

Title		Printed Name		Signature		Date	
LICENSEE'S REPRESENTATIVE		George M. McCann		<i>George M. McCann</i>		12/10/08	
NRC INSPECTOR		George M. McCann		<i>George M. McCann</i>		12/10/08	

CL
4-17-09

NRC FORM 591M
PART 2
(10-2003) 10 CFR 2.201

U.S. NUCLEAR REGULATORY
COMMISSION

SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION

1. LICENSEE Philotechnics, Ltd. REPORT NUMBER(S) 2008-005		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, Illinois 60532	
3. DOCKET NUMBER(S) 150-00020	4. LICENSE NUMBER(S) MA 56-0543	5. DATE(S) OF INSPECTION December 10, 2008	

(Continued)

SAFETY INSPECTION REPORT
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1. LICENSEE Philotechnics, Ltd. REPORT NUMBER(S) 2008-005		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 150-00020	4. LICENSE NUMBER(S) MA 56-0543	5. DATE(S) OF INSPECTION December 10, 2008	
6. INSPECTION PROCEDURES USED 83890 & 83822		7. INSPECTION FOCUS AREAS 03.01-03.07	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03225	2. PRIORITY 5	3. LICENSEE CONTACT Ryan Fahey	4. TELEPHONE NUMBER 978-844-4560
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<input type="checkbox"/>	Main Office Inspection	Next Inspection Date: <u>NA</u>
<input type="checkbox"/>	Field Office	
<input checked="" type="checkbox"/>	Temporary Job Site Inspection	<u>Sigma-Aldrich Company, 11542 Fort Mims Drive, Maryland Heights, Missouri</u>

PROGRAM SCOPE

This inspection was conducted at the Sigma-Aldrich Company's former byproduct material production facility located at 11542 Fort Mims Drive, Maryland Heights, Missouri, which is owned by the Sigma-Aldrich Company, NRC License No. 24-16273-01, and Docket No. 030-10716. Sigma's radioactive materials usage at the facility consisted of R&D activities and storage, processing and use in the production of labeled compounds for distribution to authorized customers. Radioactive materials were used since 1975. Production activities ceased on September 30, 2008.

Sigma contracted with Philotechnics to perform decommissioning activities including characterization, remediation, final status surveys and development of a final report. Sigma-Aldrich Company has limited the Philotechnics decommissioning activities to simple decontamination, waste packaging, and activities, such that these activities won't conflict with the NRC DP process. Sigma submitted a decommissioning plan to the NRC on October 22, 2008, which addresses the decommissioning of the rest of the facility.

Performance Observations

The NRC inspectors toured the facility, observing the service contractor's activities. The service contractor management and staff were interviewed. The inspectors reviewed records of radiological survey instrument calibration, bioassay, daily radiation surveys, and air sampling data. The inspectors observed and evaluated facility and materials security, access control, and posting. The inspectors observed personnel donning and removing personnel protective clothing. Inspection activities included evaluation of the conduct of radiation contamination surveys and conduct of the licensee's air sampling program. The inspectors performed independent radiological surveys

No violations of NRC requirements were identified.