



**Docket File Information**  
**SAFETY INSPECTION REPORT**  
**AND COMPLIANCE INSPECTION**

1. LICENSEE <b>Dow AgroSciences</b> REPORT NUMBER(S) 2003-001		2. NRC/REGIONAL OFFICE <b>Region III</b>	
3. DOCKET NUMBER(S) <b>030-32714</b>		4. LICENSE NUMBER(S) <b>13-26398-01</b>	5. DATE(S) OF INSPECTION <b>August 5, 2003</b>
6. INSPECTION PROCEDURES USED <b>87126</b>		7. INSPECTION FOCUS AREAS <b>03.01-07</b>	

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S) <b>01100</b>	2. PRIORITY <b>F1A-3</b>	3. LICENSEE CONTACT <b>Amy Smith, RSO</b>	4. TELEPHONE NUMBER <b>317-337-3178</b>
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Main Office Inspection      Next Inspection Date: August 2006

Field Office \_\_\_\_\_

Temporary Job Site \_\_\_\_\_

**PROGRAM SCOPE**

The licensee is an active research broad scope program with ~100 committee approved principle investigators (PI) authorized to use licensed material. Individual researchers use licensed material under the supervision of the PI's. Approximately 60 overall laboratories are currently active.

Licensed material is used for research and development in the study of pesticide absorption in plant life. The licensee is authorized use and possession of

Use of The primary isotopes used in research activities are, is infrequent.

All research activities involving licensed material are conducted in \_\_\_\_\_ are principle waste collection and disposition facilities. All orders for licensed material are approved by the research PI and the RSO prior to actual purchase. Packages are received and processed by the receiving area (surveys/wipes) and delivered directly to the ordering laboratory. The RSO/HP technician perform semi-annual program audits and report to the Radiation Safety Committee. Incidents are reviewed and corrective action is appropriately implemented.

**Performance Observations**

The licensee's research staff demonstrated/described routine procedures which included a brief description of ongoing experiments, day of use radiation surveys, package receipt procedures, and monthly area wipe tests with no problems noted. A random review of available survey meters in laboratory areas revealed instruments that were calibrated and operable. The HP technician demonstrated an actual laboratory audit which included overall surveys, wipes, record reviews and appropriate discussions with lab personnel. Radiation safety office staff members appeared to maintain a cooperative work environment with laboratory personnel. All use and storage areas were properly posted indicating the presence of biohazard and radioactive material.

Independent surveys and wipes of selected labs performed during the review did not indicate contamination in restricted or unrestricted areas.

The licensee exchanges personnel dosimetry badges monthly through an authorized vendor. Maximum whole-body and extremity readings for 2002 were 18mR and 50 mRem respectively. YTD 2003 readings were 18mRem whole-body and 30mRem extremity.

Overall security of licensed material in use and storage areas is well maintained utilizing numerous \_\_\_\_\_ throughout the campus. Visitors must be escorted at all times.

Ex. 2

Ex 2

December 16, 2003

Amy J. Smith  
Radiation Safety Officer  
Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268-1054

Dear Ms. Smith:

This acknowledges receipt of your letter dated October 29, 2003, notifying the NRC of the event that involved the mis-delivery of a cooler containing samples of <sup>60</sup>Co that occurred on October 21, 2003. In the letter, you stated that AgroSciences staff affixed the appropriate label which identified the correct addressee. During transit, while under Federal Express control, an additional label was placed on the package. The additional label contained the incorrect addressee, and Federal Express subsequently delivered the radioactive package to an elementary school in Indiana. Ex. 2

We appreciate your notification of the events, and have no further questions at this time. We will follow up this issue during the next inspection. If you have any further questions and/or concerns, please feel free to contact Sarah Bakhsh of my staff at (630) 829-9816.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter will be made available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,

  
Kenneth G. O'Brien, Chief *for*  
Materials Inspection Branch

Docket No.: 030-32714  
License No.: 13-26398-01

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OFFICE	RIII	C	RIII	RIII	RIII
NAME	Bakhsh:mb <i>SB</i>		Gattone <i>B'</i>	O'Brien <i>for</i>	
DATE	12/16/03		12/16/03	12/16/03	

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