

Docket File Information
SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION

1. LICENSEE Dow AgroSciences REPORT NUMBER(S) 2006-001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-32714	4. LICENSE NUMBER(S) 13-26398-01	5. DATE(S) OF INSPECTION October 3, 2006	
6. INSPECTION PROCEDURES 87126	7. INSPECTION FOCUS AREAS 03.01, 03.02, 03.03, 03.04, 03.05, 03.06, and 03.07		
SUPPLEMENTAL INSPECTION INFORMATION			
1. PROGRAM 03610	2. PRIORITY E1A 3	3. LICENSEE CONTACT Roben Neal, RSO	4. TELEPHONE NUMBER 317.337.3435
<input checked="" type="checkbox"/> Main Office Inspection		Next Inspection Date: <u>October 2009</u>	
<input type="checkbox"/> Field Office _____			
<input type="checkbox"/> Temporary Job Site _____			

PROGRAM SCOPE

The Dow AgroSciences Center employed approximately 1,200 individuals at its Indianapolis Technical Center. The company operated a small, non-medical broad scope program with 8 individuals acting as "authorized users." Dow established an RSC to review and approve users, uses and facilities as required for a broad scope licensee. All research protocols were pre-reviewed by the RSO prior to formal submittal to and approval by the RSC. Research protocols were given a 2-year permit; afterwards the project must be reviewed for renewal. Approximately 80+ individuals used licensed material under the supervision of the authorized users. Licensed material was used for in-vitro research and development in 30 labs. Licensed material was used at least weekly in experiments related to metabolic studies. One laboratory used C-14 for synthesis reactions each month. All reactions were performed within hoods which were certified annually. The company possessed numerous sealed sources including Ni-63 in gas chromatographs, Po-210 in static eliminators, H-3 within exit signs, and exempt quantity sources within LSCs and gamma counters. At the time of this inspection, the licensee was authorized to conduct field studies, however the licensee had not initiated this use to date.

This inspection consisted of a tour of select research labs, and the radioactive waste storage areas; review of select records; interviews with licensee staff; observations of experimental set-ups; and independent radiation measurements.