

Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268-1054



March 11, 2009

Nuclear Materials Licensing Branch  
U.S. Nuclear Regulatory Commission  
Region III  
2443 Warrenville Road  
Suite 210  
Lisle, IL 60532-4352

Notification regarding Dow AgroScience's Broad Scope Materials License No. 13-26398-01

This Notification is to inform you of some membership changes to Dow AgroSciences Radiation Safety Committee. The Radiation Safety Committee has unanimously agreed to the following replacement; Paul Schmitzer will replace Don Merlo as one of the three Technical Representatives on the committee. Mr. Schmitzer is a Senior Research Scientist who is group leader of Discovery Plant Biology. He has worked for Dow AgroSciences for the past 17 years in herbicidal discovery and has conducted numerous metabolism and enzyme radioisotope assays. Diane Haseman has assumed the role of Radiation Safety Technical and Administrative Assistant and will serve on the RSC as secretary. Their *Curriculum Vitae's* are attached.

Please update Dow AgroSciences' records to reflect these changes. The committee membership changes prompt NRC notification (pursuant to NUREG-1556, vol 11. rather than a license amendment). Please contact me if you have any questions regarding this information.

Sincerely,

A handwritten signature in black ink that reads "Roben Roberts".

Roben Roberts  
Radiation Safety Officer  
Dow AgroSciences  
9330 Zionsville Road  
Building 306/E2-1012  
Indianapolis, IN 46268  
Office: 317-337-3435  
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## *Curriculum Vitae*

Paul R. Schmitzer

Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268  
(317)-337-3125

### **Training and Experience with Radioactive Materials**

#### **Dow AgroSciences LLC, Indianapolis, IN Discovery Weed Management**

2004-2007 Principal Investigator for Discovery Biology Group and Sealed Source Owner

- In concert with the Radiation Safety Officer, greatly reduced the radioisotope inventory within Discovery Biology.
- Implemented SOP and communication alerts for utilization of radioisotope usage in greenhouse areas in ensure isolation from non-authorized personnel.
- Tracked usage of radioisotopes within Discovery Biology and maintained use authorizations for appropriate personnel.
- As Sealed Source Owner, responsible for the control of sealed sources and their use, and ensure that employees are adequately trained to use equipment containing sealed sources of radioactive material.

#### **Dow AgroSciences LLC, Indianapolis, IN Discovery Weed Management**

1998-Present Authorized User of Low-Level Radioisotopes ( $^{14}\text{C}$ ,  $^3\text{H}$ )

- Experienced Senior Research Scientist. Currently Group Leader of Plant Biology with leadership responsibilities of overseeing current Principal Investigator and Authorized Users.
- Worked closely with members of the Discovery Analytical Biology Group to design and interpret radioisotope trials for experimental herbicide uptake, translocation and metabolism.
- Determined enzyme kinetics and herbicide binding constants of experimental and commercial herbicides utilizing radiolabeled ( $^3\text{H}$ ,  $^{14}\text{C}$ ) material.
- Provided comparative analysis of photometric/flourometric enzymatic assays and radioisotope assays to rationalize reduction of the need for radioisotope usage.
- Trained new Contract Research Associates and Technicians in the appropriate use and disposal of radioactive materials.
- Actively participated in radiation audits conducted by the Radiation Safety Officer

**Dow Elanco, Greenfield, IN and Indianapolis, IN  
Herbicide Discovery**

1991-1998 Authorized User of Low-Level Radioisotopes ( $^3\text{H}$ ,  $^{14}\text{C}$ )

- Utilized radioisotopes to determine incorporation into soluble and insoluble plant material to assess inhibition of experimental herbicides.
- Maintained radioisotope inventory.
- Trained interim Authorized Users on Radiation Safety Program guidelines

**Career Highlights**

**Dow AgroSciences LLC, Indianapolis, IN  
R&D Discovery-Biology**

Discovery Plant Biology Group Leader (1/09-Present)

Senior Research Scientist (2006-Present)

Sr. Research Biochemist (2004-2006)

Research Biochemist (2001-2004)

Senior Biochemist (1997-2001)

Biochemist (1993-1997)

Associate Biochemist (1991-1993)

- Designed and implemented enzyme assays based on photometric and fluorometric analysis thus reducing the overall need for radioisotopes.
- Significantly reduced amount of stored radioisotopes within Dow AgroSciences Discovery Biology Group.
- Developed and Implemented SOP for communication of radioisotope usage in greenhouse areas ensuring ALARA principals were maintained by work group.

**Manteq International, Midland, MI**

**Contract Researcher at Dow Agricultural Products ( $^3\text{H}$ ,  $^{14}\text{C}$ )**

1990-1991 Authorized User of Low-Level Radioisotopes

- Utilized  $^{14}\text{C}$  and  $^3\text{H}$  labeled substrates to track enzymatic reactions and the inhibition of those reactions by herbicidal compounds.
- Maintain inventory for all radioisotopes utilized in the laboratory.

**Education**

Northern Michigan University, Marquette, MI 1985-1989

**Internal Reports, Presentations / Publications**

Available upon request.



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