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DNMS

December 3, 2008



University of Idaho

Environmental Health and Safety
1108 West Sixth Street
P.O. Box 442030
Moscow, Idaho 83844-2030
208-885-6524
Fax 208-885-5969

Nuclear Materials Licensing Branch
US Nuclear Regulatory Commission - Region IV
612 E. Lamar Blvd, Suite 400
Arlington, TX 76011-4125

RE: Amendment to License No. 11-27381-01

The University of Idaho is submitting a request to amend our broad-scope radioactive materials license, number 11-27381-01, to change our Radiation Safety Officer. We request replacing our existing Radiation Safety Officer, Fred Hutchison, with Dr. Samir Shahat.

Dr. Shahat has been employed as a Radiation Safety Specialist for the past two and a half years with the University. He has gained experience in our radiation safety program and has attended several radiation safety training courses, including training for a radiation safety officer, occupational internal dosimetry, gamma spectroscopy, and DOT/NRC transportation requirements. Dr. Shahat also has a Ph.D in chemistry.

Attached is a curriculum vitae for Dr. Shahat. We believe Dr. Shahat is qualified to become the Radiation Safety Officer for the University's radioactive materials license.

If you have any questions concerning this amendment, please do not hesitate to contact me.

Thank you.

Sincerely,

A handwritten signature in black ink that reads "Fred Hutchison".

Fred Hutchison
Director/Radiation Safety Officer

Attachment

Curriculum Vitae

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Name: Samir Shahat Abd El-Fatah

Citizenship: USA

Address:

Phone #:

Email:

Major Field: Inorganic and Analytical Chemistry, Supercritical Fluids, Radiation Safety

Education:

- Ph.D Inorganic Chemistry Helwan University, Faculty of Science, Chemistry Dept., Cairo, Egypt/ through a scientific channel with Kumamoto University, Japan. **May, 2002**

Thesis "*Studies on the extraction of some toxic compounds from hazardous waste by supercritical fluid extraction technique*"

- M.Sc Inorganic Chemistry Helwan University, Faculty of Science, Chemistry Dept., Cairo, Egypt. **May, 1997**

Thesis "*Physicochemical studies on the separation of some Inner transition elements from Abu-Tartur phosphate*"

- B.Sc in Chemistry, with Honors
Helwan University, Faculty of Science, Chemistry Dept. **May, 1993**

Studies/Certifications:

Radiation Safety, Hazardous Materials, and Emergency Response Training:

- ◆ 2 hours Radiation Safety Orientation, University of Idaho (**April 25, 2001**)
- ◆ 40 hours Hazardous Materials/Emergency Response 29 CFR § 1910.120 EPA/OSHA training course. (**January 2004**)
- ◆ 5 hours Radiation Safety Training Course, University of Idaho (**August 24, 2004**)
- ◆ 2 hours Radioactive Materials Transportation and Safety Training Course, University of Idaho (**September 22, 2004**)

- ◆ 8 hours Incident Command System (ICS) Basic: IEM-IS 195, Idaho State University (**October 7, 2004**)
- ◆ 16 hours Hazardous Materials Operations Course, North Idaho College in cooperation with Idaho Emergency Services Training Center (**October 10, 2004**)
- ◆ 2 hours Department of Transportation Hazardous Materials Training Course, DOT- HAZMAT 49 CFR, Subpart H, University of Idaho (**October 29, 2004**)
- ◆ 16 hours DOT & NRC Requirements for Shipping and Receiving Radioactive Materials Training Course, Radiation Safety Academy, Gaithersburg, Maryland (**May 9, 2006**)
- ◆ 40 hours Radiation Safety Officer with LSC Techniques Training Course, Radiation Safety Academy, Gaithersburg, Maryland (**May 19, 2006**)
- ◆ 8 hours IEM-700 Introduction to NIMS, Idaho State University, Moscow ID (**September 21, 2006**)
- ◆ 40 hours Occupational Internal Dosimetry Training Course, MJW Corporation, Amherst, New York (**November 17, 2006**)
- ◆ 40 hours Gamma Spectroscopy Training Course, Oak Ridge Associated Universities, Oak Ridge, Tennessee (**March 23, 2007**)
- ◆ 18 hours IEM-ICS-300 Intermediate ICS for Expanding Incidents, Idaho State University, Moscow ID (**November 12, 13 & 14, 2008**)

Continuing academic courses and certificates:

- ◆ Microsoft Access Certificate Series, University of Idaho (**December 8, 2004**)
- ◆ GEOL-513, Environmental Microbiology, 3CR graduate course; University of Idaho (**Spring 2005**) Grade: A
- ◆ ENVS-541, Sampling and Analysis of Environmental Contaminants, 3CR graduate course; University of Idaho (**Spring 2007**) Grade: A.
- ◆ CHE-580, Engineering Risk Assessment/Hazardous Waste, 3CR graduate course; University of Idaho (**Fall 2007**) Grade: A.
- ◆ ENVS-509, Principles of Environmental Toxicology, 3CR graduate course; University of Idaho (**Fall 2007**) Grade: A
- ◆ Environmental Contamination Assessment Certificate, University of Idaho, (**December 2007**)

Employment and Scholarships:

- **April 2006 - Current**, Radiation Safety Specialist, Department of Environmental Health and Safety, University of Idaho, Moscow ID
- **October 2005 - April 2006**, Short term Post-doc Scholarship in Kumamoto University, Faculty of Engineering, Applied Chemistry and Biochemistry Dept., concerning, Supercritical Fluid Extraction of Palladium and Precious Metals.
- **June 2004 - October 2005**, Hazardous Materials Tech. I, Department of Environmental Health and Safety, University of Idaho, Moscow ID
- **January 2003 - June 2004**, Research Scientist and Quality Control Specialist. Columbia Phytotechnology LLC, 1230 NE Hickman court, Pullman WA 99163
- **July 2002 - October 2002**, Short term Post-doc Scholarship in the University of Idaho, Faculty of Letters and Science, Chemistry Dept., USA, concerning, Supercritical Fluid Extraction Technology.
- **December 2001**, Lecturer in the Department of Chemistry, Faculty of Science, Helwan University, Cairo, Egypt
- **April 2001- August 2001**, Short term Scholarship in the University of Idaho, Faculty of Letters and Science, Chemistry Dept., USA, concerning, Supercritical Fluid Extraction Technology.
- **December 1999 - 2001**, Scholarship for two years in the Kumamoto University, Faculty of Engineering, Applied Chemistry and Biochemistry Dept., concerning, Supercritical Fluid Extraction Technology (my Ph.D practical work).
- **July 1997**, Assistant Lecturer in the Department of Chemistry, Faculty of Science, Helwan University, Cairo, Egypt
- **December 1993**, Teaching Assistant in the department of Chemistry, Faculty of Science, Helwan University, Cairo, Egypt

List of publications:

- **Samir Abd El-Fatah**; Motonobu Goto; Akio Kodama; and Tsutomu Hirose. “*Extraction of Cu⁺⁺ By Supercritical CO₂ with Cyanex 302 Ligand*” In Proc. 5th Kyushu /Pusan –Kyoungnam Chem. Eng. Conf.; Miyazaki, Japan, **2000**, P17
- Said Sayed; **Samir Abd El-Fatah**; and Abd El-Hakeem Kandil. “*Synergistic extraction of Thorium (IV) from nitrate medium by β -diketone solvating agents mixtures*”; Transaction of the Egyptian Society of Chemical Engineering, Vol. 27, No. 2, P 112-122. Oct., **2001**
- **Samir Abd El-Fatah**; and Said Sayed.”*Selective Substoichiometric Precipitation of Some Rare Earths III and Thorium IV Oxalate from Phosphate Leachate Aqueous Solution*” Transaction of the Egyptian Society of Chemical Engineering, Vol. 27, No.2, P 123- 132. Oct., **2001**
- Tomohiro Seki; Motonobu Goto; **Samir Abd El-Fatah**; Akio Kodama; Tsutomu Hirose; and Satoshi Kawajiri. “*Supercritical CO₂ Extraction of the Heavy Metals from Fly Ash Using Chelating agent*” In Proc. 6th Kyushu /Pusan –Kyoungnam Chem. Eng. Conf.; Seoul, Korea, **2001**, A4-2
- **Samir Abd El-Fatah**; Motonobu Goto; Akio Kodama; and Tsutomu Hirose. “*Supercritical Fluid Extraction of Hazardous Metals from Wood Samples*” In Proc. 66th Annual Meeting of the Society of Chemical Engineering of Japan; Hiroshima, Japan, **2001**, Q319
- Youichi Enokida; **Samir Abd El-Fatah**; and Chien M. Wai. “*Ultrasound Enhanced Dissolution of UO₂ in Supercritical CO₂ Containing a CO₂-Philic TBP-HNO₃ Complexant*”, J. Ind. Chem. Eng. Res., Vol. 41, No. 9, **2001**
- Abd El-Hay Ebaid; Said Sayed; **Samir Abd El-Fatah**; Tarek Sami; and Motonobu Goto. ” *Extraction of Alkali Metals using Supercritical Fluid Carbon Dioxide as an Environmental Friendly Technology for the Second Millennium*” Tabbin Bulletin of Chemical Engineering, **2002**
- **Samir Abd El-Fatah**; Motonobu Goto; Akio Kodama; and Tsutomu Hirose. “*Supercritical Fluid Extraction of Hazardous Metals from CCA Wood*”, Journal of Supercritical Fluids, Vol. 28, No. 1, **2004**
- **Samir Abd El-Fatah**; Ziya Cetiner; Thomas J. Williams; and Susan Chliders. “*Microbial Diversity and Geological Heterogeneity within Siliceous Sinters*”,

Geochimica et Cosmochimica Acta Supplement, Vol. 69, Issue 10, Supplement 1,
Goldschmidt Conference Abstracts, p.A365. May, **2005**

□ Shino Iwao; **Samir Abd El-Fatah**; Kiyonori Furukawa; Tomohiro Seki; Mitsuru Sasaki; and Motonobu Goto. "*Recovery of palladium from spent catalyst with supercritical CO₂ and chelating agent*", Journal of Supercritical Fluids, Vol. 42, No. 2, **2007**

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: University of Idaho **License No.:** 11-27382-01
Docket No.: 030-32323 **Mail Control No.:** 472059
Type of Action: Amend **Date of Requested Action:** 12-03-2008

Reviewer Assigned: **ARM reviewer(s):** Torres

Response	Deficiencies Noted During Acceptance Review
	<input type="checkbox"/> Open ended possession limits. Submit inventory. Limit possession. <input type="checkbox"/> Submit copies of latest leak test results. <input type="checkbox"/> Add IC L.C./Fingerprint LC, add SUNSI markings to license. <input type="checkbox"/> Confirm with licensee if they have NARM material.

Reviewer's Initials: _____ **Date:** _____

<input type="checkbox"/> Yes	<input type="checkbox"/> No	Request for unrestricted release Group 2 or >. Consult with Bravo Branch.
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Termination request < 90 days from date of expiration
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)
<input type="checkbox"/> Yes	<input type="checkbox"/> No	TAR needed to complete action.

Branch Chief's and/or HP's Initials: _____ **Date:** _____

SUNSI Screening according to RIS 2005-31

Yes No **Sensitive and Non-Publicly Available** if any item below is checked

General guidance:

- _____ RAM = or > than Category 3 (Table 1, RIS 2005-31), use Unity Rule
- _____ Exact location of RAM [suite #, bldg. #, location different from mailing address] (whether = or > than Category 3 or not)
- _____ Design of structure and/or equipment (site specific)
- _____ Information on nearby facilities
- _____ Detailed design drawings and/or performance information
- _____ Emergency planning and/or fire protection systems

Specific guidance for medical, industrial and academic (above Category 3):

- _____ RAM quantities and inventory
- _____ Manufacturer's name and model number of sealed sources & devices
- _____ Site drawings with exact location of RAM, description of facility
- _____ RAM security program information (locks, alarms, etc.)
- _____ Emergency Plan specifics (routes to/from RAM, response to security events)
- _____ Vulnerability/security assessment/accident-safety analysis/risk assess
- _____ Mailing lists related to security response

DEC 19 2008

Branch Chief's and/or HP's Initials: _____ **Date:** _____

01-05-2009
DATE

This is to acknowledge the receipt of your letter/application dated 12-03-2008, and to inform you that the initial processing, which includes an administrative review, has been performed.

There were no administrative omissions. Your application will be assigned to a technical reviewer. Please note that the technical review may identify other omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card:

The action you requested is normally processed within 90 days.

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 472059.
When calling to inquire about this action, please refer to this mail control number.
You may call me at 817-860-8103.

Sincerely,



Licensing Assistant

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

: (FOR LFMS USE)
: INFORMATION FROM LTS
: -----
: Program Code: 01100
: Status Code: 0
: Fee Category: EX 3L 2C 1D 3P
: Exp. Date: 20111031
: Fee Comments: 170.11(A)(4)
: Decom Fin Assur Req'd: Y
: ::

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
Applicant/Licensee: IDAHO, UNIVERSITY OF
Received Date: 20081208
Docket No: 3032323
Control No.: 472059
License No.: 11-27382-01
Action Type: Amendment

2. FEE ATTACHED
Amount: _____
Check No.: /

3. COMMENTS

Signed Colleen Murnahan
Date 12-19-08

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /_/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:
Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed _____
Date _____

University of Idaho

Moscow ID 83844



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Environmental Health and Safety

University of Idaho

P.O. Box 442030

Moscow, ID 83844-2030



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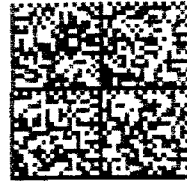
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12/03/2008

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