

From: McIntosh, Angela
Sent: Monday, December 06, 2010 11:52 AM
To: alexis.wache@gmail.com
Cc: Einberg, Christian; Allard, David; Smith, April
Subject: Response to Question Regarding the Licensing of Alpha
Radiation Sources
and Beryllium Targets

Dear Ms. Wache: the question you initially emailed to
GIP.Resource@nrc.gov was forwarded to
me for response.

It appears that you are a resident of the Commonwealth of Pennsylvania.
Pennsylvania has
entered into an agreement with NRC to regulate the use of radioactive
materials within the
Commonwealth. Therefore, Pennsylvania is the regulatory authority
regarding your question.

Mr. David Allard is the director of the Pennsylvania Bureau of Radiation
Protection. You may
contact him via email at djallard@state.pa.us or via telephone at
717/783-8965, and he should be
able to assist you with your question in a manner that satisfies
regulatory requirements within the
Commonwealth of Pennsylvania. I thank you for your question and I hope
you have a good day.

Regards,

Angela R. McIntosh
Office of Federal and State Materials
and Environmental Management Programs
U.S. Nuclear Regulatory Commission
Mail Stop T8-E24
Angela.McIntosh@nrc.gov
(301) 415-5030

From: alexis.wache@gmail.com[SMTP:ALEXIS.WACHE@GMAIL.COM]
Sent: Sunday, December 05, 2010 5:29:17 PM
To: GIP Resource
Subject: Response from "Contact a GIP Representative"
Auto forwarded by a Rule

Below is the result of your feedback form. It was submitted by

(alexis.wache@gmail.com) on Sunday, December 05, 2010 at 17:29:17

comments: As I understand it, the current regulatory structure allows
for the sale of alpha
radiation sources and beryllium targets to private individuals without
requiring any special type of
certification. However, if one were to combine these two components (as
in Chadwicks's
experiment) to create a small neutron source, would additional
licensing/registration with the

NRC be necessary? (I am hoping to emulate the discovery of the neutron for a high school science project and would like to confirm that my intended experiment will be legal and remain within the NRC's guidelines.)

name: Alexis
organization:
address1: Wache
address2:
city:
state: PA
zip: 19044
country: United States
phone: 2155001848

E-mail Properties
Mail Envelope Properties ()

Subject: Response to Question Regarding the Licensing of Alpha
Radiation Sources and Beryllium Targets
Sent Date: 12/6/2010 2:26:56 PM
Received Date: 12/6/2010 11:51:00 AM
From: McIntosh, Angela

Created By: Angela.McIntosh@nrc.gov

Recipients:
alexis.wache@gmail.com (alexis.wache@gmail.com)
Tracking Status: None
Christian.Einberg@nrc.gov (Einberg, Christian)
Tracking Status: None
djallard@state.pa.us (Allard, David)
Tracking Status: None
April.Smith@nrc.gov (Smith, April)
Tracking Status: None

Post Office:

Files	Size	Date & Time
MESSAGE	5039	12/6/2010

Options
Expiration Date:
Priority: olImportanceNormal
ReplyRequested: False
Return Notification: False

Sensitivity: olNormal
Recipients received: