



1340 Hal Greer Boulevard, Huntington, West Virginia 25701 • phone 304.526.2000

U.S. Nuclear Regulatory Commission
 Radioisotopes Licensing Division
 Region I
 475 Allendale Road
 King Prussia, PA 19406-1415

K-8

Date: June 28, 2007

Dear Reviewer:

03003370

Subject: Amendment to NRC license #**47-00404-02**
 Cabell Huntington Hospital, Inc.
 Huntington, West Virginia.

Cabell Huntington Hospital would like to add a second request to mail control #140640 and have both amendments handle at the same time.

The Radiation Safety Committee has unanimously voted and approved Abid Yaqub as a 35.300 user to our radioactive materials license (47-00404-02). Questions regarding this request may be directed to Fred Peatross (304-526-2079)

Included with this cover letter are Dr. Abid Yaqub's authorized training and preceptor records in radiation physics.

Regards,

Keith Biddle, Vice President

140640

NRC FORM 313A (AUT) <small>(3-2007)</small>	U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0120 EXPIRES: 10/31/2008
AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (for uses defined under 35.300) [10 CFR 35.390, 35.392, 35.394, and 35.396]		

Name of Proposed Authorized User	State or Territory Where Licensed
ABID YAQUB	WEST VIRGINIA

Requested Authorization(s) (check all that apply):

35.300 Use of unsealed byproduct material for which a written directive is required

OR

35.300 Oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)

35.300 Oral administration of sodium iodide I-131 requiring a written directive in quantities greater than 1.22 gigabecquerels (33 millicuries)

35.300 Parenteral administration of any beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required

35.300 Parenteral administration of any other radionuclide for which a written directive is required

PART I – TRAINING AND EXPERIENCE
(Select one of the three methods below)

* Training and Experience, including board certification, must have been obtained within the 7 years preceding the date of application or the individual must have related continuing education and experience since the required training and experience was completed. Provide dates, duration, and description of continuing education and experience related to the uses checked above.

1. Board Certification

a. Provide a copy of the board certification.

b. For 35.390, provide documentation on supervised clinical case experience. The table in section 3.c. may be used to document this experience.

c. For 35.396, provide documentation on classroom and laboratory training, supervised work experience, and supervised clinical case experience. The tables in sections 3.a., 3.b., and 3.c. may be used to document this experience.

d. Skip to and complete Part II Preceptor Attestation.

2. Current 35.300, 35.400, or 35.600 Authorized User Seeking Additional Authorization

a. Authorized User on Materials License _____ under the requirements below or equivalent Agreement State requirements (check all that apply):

35.390 35.392 35.394 35.490 35.690

b. If currently authorized for a subset of clinical uses under 35.300, provide documentation on additional required supervised case experience. The table in section 3.c. may be used to document this experience. Also provide completed Part II Preceptor Attestation.

c. If currently authorized under 35.490 or 35.690 and requesting authorization for 35.396, provide documentation on classroom and laboratory training, supervised work experience, and supervised clinical case experience. The tables in sections 3.a., 3.b., and 3.c. may be used to document this experience. Also provide completed Part II Preceptor Attestation.

(3-2007)

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Training and Experience for Proposed Authorized User

a. Classroom and Laboratory Training 35.390 35.392 35.394 35.396

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation	DOWNERS GROVE, IL	15	05-12-07 to 05-20-07
Radiation protection	DOWNERS GROVE, IL	30	05-12-07 to 05-20-07
Mathematics pertaining to the use and measurement of radioactivity	DOWNERS GROVE, IL	10	05-12-07 to 05-20-07
Chemistry of byproduct material for medical use	DOWNERS GROVE, IL	25	05-12-07 to 05-20-07
Radiation biology	DOWNERS GROVE, IL	20	05-12-07 to 05-20-07
Total Hours of Training: 100 hours			

b. Supervised Work Experience 35.390 35.392 35.394 35.396

If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.

Supervised Work Experience		Total Hours of Experience: 64 hours	
Description of Experience Must Include:	Location of Experience/License or Permit Number of Facility	Confirm	Dates of Experience*
Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys	Cabell Huntington Hospital, Huntington, WV # 47-00404-02	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	07-01-04 to 06-30-06
Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters	Cabell Huntington Hospital, Huntington, WV # 47-00404-02	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	07-01-04 to 06-30-06
Calculating, measuring, and safely preparing patient or human research subject dosages	Cabell Huntington Hospital, Huntington, WV # 47-00404-02	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	07-01-04 to 06-30-06
Using administrative controls to prevent a medical event involving the use of unsealed byproduct material	Cabell Huntington Hospital, Huntington, WV # 47-00404-02	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	07-01-04 to 06-30-06
Using procedures to contain spilled byproduct material safely and using proper decontamination procedures	Cabell Huntington Hospital, Huntington, WV # 47-00404-02	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	07-01-04 to 06-30-06

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Training and Experience for Proposed Authorized User (continued)

b. Supervised Work Experience (continued)

Supervising Individual <p style="text-align: center; font-size: 1.2em;">BRUCE CHERTOW, MD</p>	License/Permit Number listing supervising individual as an authorized user <p style="text-align: center; font-size: 1.2em;"># 47-00404-02</p>
Supervising individual meets the requirements below, or equivalent Agreement State requirements (check all that apply)**:	
<input checked="" type="checkbox"/> 35.390	With experience administering dosages of:
<input checked="" type="checkbox"/> 35.392	<input checked="" type="checkbox"/> Oral NaI-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)
<input checked="" type="checkbox"/> 35.394	<input checked="" type="checkbox"/> Oral NaI-131 in quantities greater than 1.22 gigabecquerels (33 millicuries)
<input type="checkbox"/> 35.396	<input type="checkbox"/> Parenteral administration of beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV requiring a written directive is required
	<input checked="" type="checkbox"/> Parenteral administration of any other radionuclide requiring a written directive
** Supervising Authorized User must have experience in administering dosages in the same dosage category or categories as the individual requesting authorized user status.	

c. Supervised Clinical Case Experience

If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this page.

Description of Experience	Number of Cases Involving Personal Participation	Location of Experience/License or Permit Number of Facility	Dates of Experience*
Oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)	SIX	Cabell Huntington Hospital, Huntington, WV # 47-00404-02	07-01-04 to 06-30-06
Oral administration of sodium iodide I-131 requiring a written directive in quantities greater than 1.22 gigabecquerels (33 millicuries)	EIGHT	Cabell Huntington Hospital, Huntington, WV # 47-00404-02 St-Mary's Hospital, Huntington, WV 030-03388	07-01-04 to 06-30-06
Parenteral administration of any beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required			
Parenteral administration of any other radionuclide for which a written directive is required			
_____ (List radionuclides)			

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Training and Experience for Proposed Authorized User (continued)

c. Supervised Clinical Case Experience (continued)

Supervising Individual BRUCE CHERTOW MD	License/Permit Number listing supervising individual as an authorized user # 47-00404-02
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Supervising individual meets the requirements below, or equivalent Agreement State requirements (check all that apply)**:

- 35.390 With experience administering dosages of:
- 35.392 Oral NaI-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)
- 35.394 Oral NaI-131 in quantities greater than 1.22 gigabecquerels (33 millicuries)
- 35.396 Parenteral administration of beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV requiring a written directive is required
- Parenteral administration of any other radionuclide requiring a written directive

** Supervising Authorized User must have experience in administering dosages in the same dosage category or categories as the individual requesting authorized user status.

d. Provide completed Part II Preceptor Attestation.

PART II – PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. The preceptor does not have to be the supervising individual as long as the preceptor provides, directs, or verifies training and experience required. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each.

First Section

Check one of the following for each requested authorization:

For 35.390:

Board Certification

I attest that _____ has satisfactorily completed the training and experience requirements in 35.390(a)(1).
Name of Proposed Authorized User

OR

Training and Experience

I attest that _____ has satisfactorily completed the 700 hours of training and experience, including a minimum of 200 hours of classroom and laboratory training, as required by 10 CFR 35.390 (b)(1).
Name of Proposed Authorized User

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

Preceptor Attestation (continued)

First Section (continued)

For 35.392 (Identical Attestation Statement Regardless of Training and Experience Pathway):

I attest that ABID YAGUB MD has satisfactorily completed the 80 hours of classroom
Name of Proposed Authorized User

and laboratory training, as required by 10 CFR 35.392(c)(1), and the supervised work and clinical case experience required in 35.392(c)(2).

For 35.394 (Identical Attestation Statement Regardless of Training and Experience Pathway):

I attest that ABID YAGUB MD has satisfactorily completed the 80 hours of classroom
Name of Proposed Authorized User

and laboratory training, as required by 10 CFR 35.394 (c)(1), and the supervised work and clinical case experience required in 35.394(c)(2).

Second Section

I attest that ABID YAGUB MD has satisfactorily completed the required clinical case
Name of Proposed Authorized User

experience required in 35.390(b)(1)(ii)G listed below:

- Oral NaI-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)
- Oral NaI-131 in quantities greater than 1.22 gigabecquerels (33 millicuries)
- Parenteral administration of beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV requiring a written directive is required
- Parenteral administration of any other radionuclide requiring a written directive

Third Section

I attest that ABID YAGUB MD has satisfactorily achieved a level of competency to
Name of Proposed Authorized User

function independently as an authorized user for:

- Oral NaI-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)
- Oral NaI-131 in quantities greater than 1.22 gigabecquerels (33 millicuries)
- Parenteral administration of beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV requiring a written directive is required
- Parenteral administration of any other radionuclide requiring a written directive

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U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

Fourth Section

For 35.396:

Current 35.490 or 35.690 authorized user:

I attest that _____ is an authorized user under 10 CFR 35.490 or 35.690
Name of Proposed Authorized User

or equivalent Agreement State requirements, has satisfactorily completed the 80 hours of classroom and laboratory training, as required by 10 CFR 35.396 (d)(1), and the supervised work and clinical case experience required by 35.396(d)(2), and has achieved a level of competency sufficient to function independently as an authorized user for:

Parenteral administration of any beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required

Parenteral administration of any other radionuclide for which a written directive is required

OR

Board Certification:

I attest that _____ has satisfactorily completed the board certification
Name of Proposed Authorized User

requirements of 35.396(c), has satisfactorily completed the 80 hours of classroom and laboratory training required by 10 CFR 35.396 (d)(1) and the supervised work and clinical case experience required by 35.396(d)(2), and has achieved a level of competency sufficient to function independently as an authorized user for:

Parenteral administration of any beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required

Parenteral administration of any other radionuclide for which a written directive is required

Fifth Section

Complete the following for preceptor attestation and signature:

I meet the requirements below, or equivalent Agreement State requirements, as an authorized user for:

35.390 35.392 35.394 35.396

I have experience administering dosages in the following categories for which the proposed Authorized User is requesting authorization.

Oral NaI-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)

Oral NaI-131 in quantities greater than 1.22 gigabecquerels (33 millicuries)

Parenteral administration of beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV requiring a written directive is required

Parenteral administration of any other radionuclide requiring a written directive

Name of Preceptor <i>BRUCE CHERTOW MD</i>	Signature <i>Bruce S Chertow MD</i>	Telephone Number <i>304-694-1095</i>	Date <i>05/31/07</i>
License/Permit Number/Facility Name			

*Consultants in Nuclear Medicine
2910 W. Estes Avenue
Chicago, IL 60645*

This certificate verifies that on May 20, 2007

Dr. Abid Yaqub

*completed 100 hours of the
Basic Radioisotope Handling Course,
covering the topics of*

*Radiopharmacy, Radiation Biology,
Radiation Protection, Radiation Physics and
Instrumentation, and the Mathematics Associated
with Use of Radioactivity*

*and received a passing grade. This course is designed to
qualify a physician as an authorized user of
radiopharmaceuticals, generators, and reagent kits and to
perform Radionuclide Therapy procedures, including
medical use of sodium iodide I-131 for procedures requiring
a written directive. It meets all requirements set forth by
the US Nuclear Regulatory Commission and all
Agreement States as outlined in the current Code of
Federal Regulations.*

Stephen M. Karush Ph.D.
Course Director