



TO: Iris Ouyang, M.S.

COMPANY: Missouri Cancer Associates, LLC

NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

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FAX #: N/A

(630) 829-9892 FAX: (630) 515-1078

EMAIL: iris.ouyang@usoncology.com

CONVERSATION RECORD

|TIME |DATE
8:00 am August 22, 2012

NAME OF PERSON(S) CONTACTED |TELEPHONE NO. |ORGANIZATION
Iris Ouyang, M.S., RSO (573) 441-3711 Missouri Cancer Associates, LLC

REPRESENTED PERSON or PERSONS |ORGANIZATION
Iris Ouyang, M.S., Radiation Safety Officer Missouri Cancer Associates, LLC

SUBJECT
|License No.: 24-32604-01 |Control No.: 577870

SUMMARY

We have reviewed your license amendment request, to add Mark A. Tucker, M.S., as an Authorized Medical Physicist (AMP), including additional information submitted via email on August 6, 2012, and August 16, 2012. Based on our review, we find that we are unable to continue this action until we have received information regarding the following:

1. In the request cover letter, dated July 12, 2012, you requested that we expedite our review "due to lack of physics staffing..." at your facility. Meanwhile, we have noted that your license currently lists you as an AMP, along with four additional AMPs. **Please submit a signed and dated letter, elaborating on the need for an expedited review. For example, explain why current staff is inadequate to cover your facility's HDR caseload.**
2. To be listed as an AMP, Mr. Tucker must meet the requirements of 10 CFR 35.51(b)(1). Any additional information submitted in support of his completion of these requirements must be accompanied by a signed & dated cover letter. Please submit items indicated below, to demonstrate that Mr. Tucker has met the requirements of 10 CFR 35.51(b)(1):
 - a. **Copies of Mr. Tucker's master's certificates should be included in your submission.**
 - b. **Update NRC Form 313A (AMP), page 1, item 3.b., to include not only the names of Mr. Tucker's Training & Experience Supervising individuals, but also the relevant facility, licensee name, and license number.** A blank NRC Form 313A (AMP) form may be found at [http://www.nrc.gov/reading-rm/doc-collections/forms/nrc313a\(amp\).pdf](http://www.nrc.gov/reading-rm/doc-collections/forms/nrc313a(amp).pdf). **See attached for additional information.**

c. Update NRC Form 313A (AMP), page 2, item 3.b., to include dates for both training and experience. As noted on the form, "if more than one supervising individual is necessary to document supervised training, provide multiple copies of this page." See attached for additional information. In submitting the additional information, please note the following:

- i. For each supervising individual, include that individual's name and the license/permit number listing the supervising individual as an Authorized Medical Physicist.
- ii. The submitted information must include dates of training comprising at least 1 full year of training and 1 full year of experience in a minimum of the areas specified in 10 CFR 35.51(b)(1):
 - (i) Performing sealed source leak tests and inventories;
 - (ii) Performing decay corrections;
 - (iii) Performing Full calibration and periodic spot checks of remote afterloading units; and
 - (iv) Conducting radiation surveys of remote afterloading units.
- iii. Submitted training and experience should be limited to radioactive materials uses listed in 10 CFR 35.600: remote afterloader units, teletherapy units, and/or gamma stereotactic radiosurgery units, as applicable.

We have requested that you submit the referenced items:

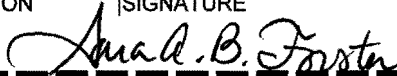
- Signed/dated cover letter including explanation as to need for expedited review
- Copy of each of Mr. Tucker's relevant master's degree certificates
- Revised NRC Form 313A (AMP), page 1, as indicated above
- Revised NRC Form 313A (AMP), page 2 (1 sheet per supervisor), as noted

– via facsimile, to (630) 515-1078. Please reference the Control No. 577870, as listed at the top of this memo. Include a signed, dated cover letter with any submitted additional information. Please be reminded that 10 CFR 30.9 requires that information provided to the Nuclear Regulatory Commission "shall be complete and accurate in all material respects."

For future reference, please always include the name, phone number and fax number of at least one person whom we may contact for additional information when reviewing your licensing correspondence and requests.

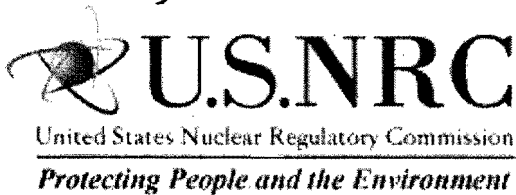
Please submit the requested information within 2 days of this record. **Include reference control number 577870, Please FAX your response to my attention at (630) 515-1078.** You may also scan your response and send to me via email, as a pdf file.

Please direct any questions you have to me at (630) 829-9892 or sara.forster@nrc.gov.

NAME OF PERSON DOCUMENTING CONVERSATION	SIGNATURE	DATE
Sara A.B. Forster		08/22/2012

I. Ouyang, M.S.

3.



Home > NRC Library > Document Collections > NRC Regulations (10 CFR) > Part Index > § 35.51 Training for an authorized medical physicist.

§ 35.51 Training for an authorized medical physicist.

Except as provided in § 35.57, the licensee shall require the authorized medical physicist to be an individual who—

(a) Is certified by a specialty board whose certification process has been recognized by the Commission or an Agreement State and who meets the requirements in paragraphs (b)(2) and (c) of this section. (The names of board certifications which have been recognized by the Commission or an Agreement State will be posted on the NRC's Web page.) To have its certification process recognized, a specialty board shall require all candidates for certification to:

(1) Hold a master's or doctor's degree in physics, medical physics, other physical science, engineering, or applied mathematics from an accredited college or university;

(2) Have 2 years of full-time practical training and/or supervised experience in medical physics-

(i) Under the supervision of a medical physicist who is certified in medical physics by a specialty board recognized by the Commission or an Agreement State; or

(ii) In clinical radiation facilities providing high-energy, external beam therapy (photons and electrons with energies greater than or equal to 1 million electron volts) and brachytherapy services under the direction of physicians who meet the requirements in § 35.57, 35.490, or 35.690; and

(3) Pass an examination, administered by diplomates of the specialty board, that assesses knowledge and competence in clinical radiation therapy, radiation safety, calibration, quality assurance, and treatment planning for external beam therapy, brachytherapy, and stereotactic radiosurgery; or

degree certificate preferred; avoid sending transcripts as they contain private personally identifiable information.

(b)(1) Holds a master's or doctor's degree in physics, medical physics, other physical science, engineering, or applied mathematics from an accredited college or university; and has completed 1 year of full-time training in medical physics and an additional year of full-time work experience under the supervision of an individual who meets the requirements for an authorized medical physicist for the type(s) of use for which the individual is seeking authorization. This training and work experience must be conducted in clinical radiation facilities that provide high-energy, external beam therapy (photons and electrons with energies greater than or equal to 1 million electron volts) and brachytherapy services and must include:

(i) Performing sealed source leak tests and inventories; *

(ii) Performing decay corrections; *

(iii) Performing full calibration and periodic spot checks of external beam treatment units, stereotactic radiosurgery units, and remote afterloading units as applicable; and *

(iv) Conducting radiation surveys around external beam treatment units, stereotactic radiosurgery units, and remote afterloading units as applicable; and *

See NUREG 1556, Vol. 9., Rev. 2, App. B & D for additional information, if needed.

I. Ouyang, M.S.

4.

NRC FORM 313A (AMP) (3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.51]

APPROVED BY OMB: NO. 3150-0120 EXPIRES: 3/31/2012

Name of Proposed Authorized Medical Physicist

Mark Tucker

Requested

Authorization(s)

(check all that apply)

35.400 Ophthalmic use of strontium-90

35.600 Teletherapy unit(s)

35.600 Remote afterloader unit(s)

35.600 Gamma stereotactic radiosurgery unit(s)

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 obtained 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. Go to the table in 3.c. and describe training provider and dates of training for each type of use for which authorization is sought.
- c. Skip to and complete Part II Preceptor Attestation.

2. Current Authorized Medical Physicist Seeking Additional Authorization for use(s) checked above

- a. Go to the table in section 3.c. to document training for new device.
- b. Skip to and complete Part II Preceptor Attestation

3. Education, Training, and Experience for Proposed Authorized Medical Physicist

- a. Education: Document master's or doctor's degree in physics, medical physics, other physical science, engineering, or applied mathematics from an accredited college or university.

Degree	Major Field
Master of Science (M.S.)	Radiological Physics
College or University	
Wayne State University School of Medicine	

- b. Supervised Full-Time Medical Physics Training and Work Experience in clinical radiation facilities that provide high-energy external beam therapy (photons and electrons with energies greater than or equal to 1 million electron volts) and brachytherapy services.

Yes. Completed 1 year of full-time training in medical physics (for areas identified below) under the supervision of Jay Burmeister, Licensee name, who meets the requirements for an Authorized Medical Physicist. License No. ← revise *

AND

Yes. Completed 1 year of full-time work experience in medical physics (for areas identified below) under the supervision of Iris Ouyang, Licensee name, who meets the requirements for an Authorized Medical Physicist. License No. ← revise *

Rense

I. Ouyang, M.S.

5.

NRC FORM 313A (AMP) (3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Education, Training, and Experience for Proposed Authorized Medical Physicist (continued)

b. Supervised Full-Time Medical Physics Training and Work Experience (continued)

If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page. (1 pg. per supervising individual)

Description of Training/ Experience	Location of Training/License or Permit Number of Training Facility/Medical Devices Used+	Dates of Training*	Dates of Work Experience*
Medical Physics * See 35.51 (b)(1)/not required/optional	Wayne State University School of Medicine / Karmanos Cancer Center; License # 21-04127-06; Varian & Tomotherapy linacs, Nucletron Microselectron HDR N/A	9/1/2008-4/1/2011	total: min: 1 yr. max: 1 yr. req'd
Performing sealed source leak tests and inventories * 35.51 (b)(1)(i)	Missouri Cancer Associates; License # 24-32604-01; Varian linacs (2100iX & 600C/D), Nucletron Microselectron HDR	at least some trng is req'd	7/12/2011-7/11/2012
Performing decay corrections * 35.51 (b)(1)(ii)	Missouri Cancer Associates; License # 24-32604-01; Varian linacs (2100iX & 600C/D), Nucletron Microselectron HDR N/A	at least some trng	7/12/2011-7/11/2012
Performing full calibration and periodic spot checks of external beam treatment unit(s) * 35.51 (b)(1)(iii)	Missouri Cancer Associates; License # 24-32604-01; Varian linacs (2100iX & 600C/D), Nucletron Microselectron HDR N/A	at least some trng.	7/12/2011-7/11/2012 No teletherapy at this facility
Performing full calibration and periodic spot checks of stereotactic radiosurgery unit(s)	Missouri Cancer Associates; License # 24-32604-01; Varian linacs (2100iX & 600C/D), Nucletron Microselectron HDR N/A	is required	7/12/2011-7/11/2012 No GSR at this facility.
Performing full calibration and periodic spot checks of remote afterloading unit(s)	Missouri Cancer Associates; License # 24-32604-01; Varian linacs (2100iX & 600C/D), Nucletron Microselectron HDR	at least some trng is required.	7/12/2011-7/11/2012
* 35.51 (b)(1)(iv) Conducting radiation surveys around external beam treatment unit(s), stereotactic radiosurgery unit(s), remote after loading unit(s)	Missouri Cancer Associates; License # 24-32604-01; Varian linacs (2100iX & 600C/D), Nucletron Microselectron HDR N/A	at least some trng is req'd	7/12/2011-7/11/2012 No GSR or teletherapy at this facility

Supervising Individual**

License/Permit Number listing supervising individual as an authorized Medical Physicist

Iris Ouyang

24-32604-01

Not supervising individual for Karmanos Cancer Ctr. & /or Wayne State Univ. Sch. of Medicine, as applicable.

- Remote afterloader unit(s)
- Teletherapy unit(s)
- Gamma stereotactic radiosurgery unit(s)

+ Training and work experience must be conducted in clinical radiation facilities that provide high-energy external beam therapy (photons and electrons with energies greater than or equal to 1 million electron volts) and brachytherapy services.

* 1 year of Full-time medical physics training and 1 year of full time work experience cannot be concurrent.

** If the supervising medical physicist is not an authorized medical physicist, the licensee must submit evidence that the supervising medical physicist meets the training and experience requirements in 10 CFR 35.51 and 35.59 for the types of use for which the individual is seeking authorization.

Revise 1 pg. / per supervisor. PAGE 2