U.S. NUCLEAR REGULATORY COMMISSION

TELEPHONE CONVERSATION RECORD

Date: August 24, 2010

Time: 2:15 pm

Mail Control or Report No(s).	573011	**License No(s).**	06-05686-02	**Docket No(s).**	030-01257

Name of Licensee: Midstate Medical Center

Name of Participant(s): Peter Mas, consultant for license
Betsy Ullrich, NRC

Telephone No. 203- ? (Incoming Call)

Subject: Shielding for new PET/CT facility
(NOTE: This will be used as the Documents Title in ADAMS)

We discussed the facility diagrams, clarified that the patient injection room is the same area as the patient "resting" area for uptake prior to scanning. Discussed the need to demonstrate that the 1/16" shielding in the PET/CT scan room is adequate for the 511 keV photons from the PTE radiopharmaceuticals remaining in the patient when the patient goes to the scan room. Mas stated that he can work on the calculations and also do a survey using a small amount of F18, similar to that estimated to remain in a patient at time of scanning. He estimates total amount in patient is reduced by 70% or so; this is in reasonable agreement with (and more conservative than) the AAPM Task Group 108 estimates. However, given the option, he would prefer that we issue the license this week so that the PET/CT scanner can be delivered and set up. Also, then he can take his time and be sure that his calcs and measurements are correct, not try to hurry them to get them done today.

I told him we would issue the license to authorize the PET/CT device/sources ASAP (today or tomorrow) and we would fax a copy of the license to Midstate at 203-694-7632 and to him at 860-545-5650.

Midstate will request another license amendment to treat patients with the PET/CT after Mas has the calcs and measurements completed for submitting with the amendment request.

Action Required: telecon to LAT for licensing package; discuss with M.Abogunde; issue license

Document Availability: [x] **Publicly Available** [ ] **Non-Publicly Available**

[x] **Non-Sensitive** [ ] **Non-Sensitive Copyright** [ ] **Sensitive- Proprietary**
[ ] **Sensitive – Privacy Act (includes PII)** [ ] **Sensitive – Internal** [ ] **Sensitive – Security-Related**
[ ] **Immediate Release** **Normal Release Date: 9/1/2010** **Delayed Release Date:**

SUNSI Review Completed By: Betsy Ullrich ***/ RA /*** **Document Accession #:** ML102360739