

INSPECTOR ACCOMPANIMENT CHECKLIST

MML: 03-23853-01VA	DATE: 07/21/2022
INSPECTOR: Kathy Boyd	NRC REVIEWER: Bryan Parker
PERMITTEE: Atlanta VA Medical Center	PERMIT NO: 10-01169-01
LOCATION: Atlanta, GA	INSPECTION TYPE: Routine
PERMIT TYPE: Limited Medical – Program Code 02120 Research & Development - 03620	ANNOUNCED <input checked="" type="checkbox"/> UNANNOUNCED <input type="checkbox"/>

PRELIMINARY DISCUSSION WITH INSPECTOR	
	DONE
EXPLAIN THE EXTENT OF THE REVIEWER’S PARTICIPATION IN INSPECTION.	<input checked="" type="checkbox"/>
DISCUSS PROCEDURE FOR INTRODUCING REVIEWER TO PERMITTEE AND EXPLAINING HIS PART IN INSPECTION.	<input checked="" type="checkbox"/>
EXPLAIN METHOD TO BE USED IN EVALUATING INSPECTOR’S PERFORMANCE.	<input checked="" type="checkbox"/>

SUMMARY OF EVALUATION

INSPECTOR'S PERFORMANCE:

ADEQUATE
NEEDS IMPROVEMENT

COMMENTS: It was apparent from the inspection that Ms. Boyd has a great safety focus and employs a performance-based, risk-informed approach to inspection planning and execution. Ms. Boyd was very knowledgeable of the requirements and had a good rapport with the permittee staff.

THE INSPECTOR WOULD BENEFIT FROM ADDITIONAL TRAINING IN: N/A

EVALUATION DISCUSSED WITH Ed Liedholdt, PhD **_ON** 07/21/22
(SUPERVISOR) (DATE)

ITEM	OK	COMMENTS OR QUESTIONS
INSPECTOR'S PREPARATION		<p>This was a routine inspection of the hospital. The inspection plan prepared by the inspector addressed nuclear medicine & research activities and program oversight.</p> <p>The inspection was announced (COVID-19 exemption) and had sent a questionnaire to the permittee to gather information in advance of the inspection to streamline onsite activities. The inspector worked closely with the RSO on several issues prior to the inspection based on the questionnaire results.</p>
ADEQUATE REVIEW OF PERMIT AND COMPLIANCE HISTORY	OK	
INSPECTION PLAN OR FIELD FORM	OK	
APPROPRIATE SURVEY INSTRUMENTS CALIBRATED INSTRUMENT RESPONSE CHECK <input checked="" type="checkbox"/>	OK	
SUPPLEMENTAL MATERIALS: REGS <input checked="" type="checkbox"/> ID <input checked="" type="checkbox"/> FORMS <input checked="" type="checkbox"/> DOSIMETRY <input checked="" type="checkbox"/>	OK	
ENTRANCE		<p>The entrance meeting covered the topics of the inspection and the</p>
INTERVIEW CONDUCTED AT APPROPRIATE LEVEL	OK	

EXPLANATION OF INSPECTION PURPOSE, SCOPE, METHOD	OK	expected timing of the inspection. The meeting was held at the appropriate level with hospital management personnel.
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INSPECTION		
USE OF APPROPRIATE FORM OR CHECKLIST	OK	<p>The inspector utilized NRC inspection guidance and procedures to conduct a safety review of the permittee's nuclear medicine program & research activities.</p> <p>The inspector made considerable effort to ensure that she saw the actual performance of licensed activities whenever possible. The inspector observed diagnostic administrations of permitted materials. Permittee staff demonstrated additional activities.</p> <p>The inspector also discussed research activities ongoing in labs onsite with the RSO and research staff.</p> <p>The inspector observed that permitted materials were secured or under direct surveillance at all times. An apparent violation was identified by the inspector while observing the morning routines when a NMT left a source unsecured and unattended in the PET suite. The inspector discussed it with the NMT, the RSO and permit management.</p>
"WALK THROUGH" AT BEGINNING OF INSPECTION	OK	
OBSERVATION OF OPERATION AND HANDLING OF RAM	OK	
FACILITIES CHECKED FOR PROPER POSTING, LABELING	OK	
SECURITY VERIFIED	OK	
WORKERS CHECKED FOR PERSONAL DOSIMETRY	OK	

WORKER INTERVIEWS RAM USERS <input checked="" type="checkbox"/> ANCILLARY WORKERS <input checked="" type="checkbox"/>	OK	The inspector interviewed a variety of staff, including management, radiation safety staff, nuclear medicine staff and research staff.
WIPES, SURVEYS, MEASUREMENTS TAKEN	OK	Surveys taken with the inspector's Ludlum 2401-P meter (last cal'd 1/22).
ADHERENCE TO ALARA EVALUATED	OK	
REVIEW OF INCIDENTS, OVEREXPOSURES, ETC.	N/A	
ORAL INTERVIEWS AND IF NECESSARY RECORDS VERIFICATION FOR: SECURITY <input checked="" type="checkbox"/> PROCUREMENT & INVENTORY <input checked="" type="checkbox"/> RECEIPT & TRANSFER OF MATERIAL <input checked="" type="checkbox"/> INTERNAL AUDITS <input checked="" type="checkbox"/> SURVEYS & MONITORING <input checked="" type="checkbox"/> PERSONNEL DOSIMETRY, BIOASSAY <input checked="" type="checkbox"/> QUALIFICATION AND TRAINING OF PERSONNEL <input checked="" type="checkbox"/> EMERGENCY PLAN & PROCEDURES COMMITTEE MEETINGS, MINUTES AUTHORIZED USERS <input checked="" type="checkbox"/> INSTRUMENT CALIBRATION <input checked="" type="checkbox"/> DOSE CALIBRATOR TESTS <input checked="" type="checkbox"/> UTILIZATION LOG N/A LEAK TESTS <input checked="" type="checkbox"/> GENERATOR - ASSAY, BREAKTHROUGH, LOGS N/A WASTE MANAGEMENT, DISPOSAL <input checked="" type="checkbox"/> RELEASE OF AIR & SEWER EFFLUENTS <input checked="" type="checkbox"/> QA & QC; MAINTENANCE <input type="checkbox"/>	OK	<p>The inspector interviewed personnel and reviewed appropriate records for a variety of topics, much of which had been reviewed prior to the inspection to facilitate her time onsite.</p> <p>Pre-inspection review revealed issues with the dose calibrator linearity checks. The inspector brought this to the RSO's attention early on and once onsite was able to verify that linearity checks had not been correctly performed during several quarters. No patient doses were in question, but it revealed a weakness in the program. An apparent violation was identified for not conducted linearity checks as required. Permittee management was already pursuing corrective action prior to the end of the inspection.</p>

INSPECTION CONDUCTED IN SUFFICIENT SCOPE & DEPTH	OK	Yes, and the effort by the inspector to complete many basics reviews prior to the onsite visit was commendable.
INSPECTION FOCUS ON PERMITTEE PERFORMANCE AND SAFETY SIGNIFICANCE	OK	
VERIFICATION OF CORRECTIONS TO PREVIOUS VIOLATIONS	N/A	
OTHER		N/A
IDENTIFIED POTENTIAL SL I-III VIOLATIONS/REPORTED TO NRC	N/A	
IDENTIFIED WILLFUL/WRONGDOING VIOLATIONS - REPORTED TO NRC	N/A	
IDENTIFICATION/HANDLING OF SAFETY CONCERNS/ALLEGATIONS	N/A	
INSPECTOR'S PROFESSIONALISM		The inspector maintained a professional relationship with permittee staff and demonstrated extensive knowledge of requirements for a medical program. The inspector evaluated concerns with good knowledge of safety.
USE OF PROPER HEALTH PHYSICS TECHNIQUES (SELF MONITORING, ETC.)	OK	
ACCURATE EVALUATION OF RADIATION SAFETY	OK	
KNOWLEDGE OF HEALTH PHYSICS & REGULATIONS	OK	
APPROPRIATE APPEARANCE FOR PERMIT TYPE	OK	
SKILL IN WORDING QUESTIONS	OK	
SUITABLE RAPPORT WITH MANAGEMENT AND WORKERS	OK	
EXIT		
PREPARATION FOR EXIT INTERVIEW; ASSEMBLY OF SUPPORTING MATERIAL	OK	
EXIT CONDUCTED AT APPROPRIATE MANAGEMENT LEVEL	OK	

