



Materials Inspection Record

1. Licensee Name: 3M Company		2. Docket Number(s): 030-14999		3. License Number(s): 22-00057-61	
4. Report Number(s): 2021-001			5. Date(s) of Inspection: September 1-2, 2021; in-office review through October 1		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 03521	8. Priority: 2	9. Inspection Guidance Used: IP 87122	
10. Licensee Contact Name(s): Mike Lewandowski - CRSO Kostas Kaounas - RSO		11. Licensee E-mail Address: malewandowski@mmm.com kkaounas@mmm.com		12. Licensee Telephone Number(s): 651-737-4452 606-696-1234	
13. Inspection Type: <input type="checkbox"/> Initial		14. Locations Inspected:		15. Next Inspection Date (MM/DD/YYYY):	
<input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced		<input type="checkbox"/> Main Office <input checked="" type="checkbox"/> Field Office		09/01/2023 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended	
<input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		<input type="checkbox"/> Temporary Job Site <input checked="" type="checkbox"/> Remote		<input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

This was an announced routine inspection of a multinational corporation authorized to operate wet storage panoramic irradiators at its Medical Products Division in Brookings, South Dakota. At the time of the inspection, the licensee operated one MDS Nordion irradiator (S-10) on a 24-hour basis to sterilize medical supplies produced at this and other 3M facilities. Around a dozen individuals were trained to operate the irradiator. The licensee's RSO and one alternate oversaw the day-to-day operations. A third individual was currently in training to be a second alternate RSO. Corporate radiation safety staff provided formal training for operators and survey instrument calibrations at the licensee's headquarters in St. Paul, Minnesota, and performed on-site audits of the radiation safety program quarterly.

The inspector toured the licensee's facility and observed routine operation of the S-10 irradiator. The facility was adequately posted for radiation hazards and all licensed material was adequately secured. The inspector interviewed on-duty operators to discuss their roles and responsibilities, including expected response to a variety of abnormal and emergency scenarios. All individuals interviewed were knowledgeable of radiation protection principles, licensee procedures, and regulatory requirements. The inspector also observed the operators perform a selection of preventative maintenance checks on safety equipment, and observed functional demonstrations of various radiation monitors and access controls. All equipment appeared to be in good condition and functioned as expected. The licensee also maintained an adequate and functional supply of personnel monitoring devices for employees and visitors. The inspector conducted independent and confirmatory surveys of the facility during normal operations; readings in accessible areas were all below regulatory limits to members of the public, with the majority of all areas at background in part due to diligent ALARA practices such as additional shielding.

The inspector also reviewed a selection of records, including documentation of preventative maintenance checks on safety equipment, water quality and contamination analyses, operator training and performance evaluations, personnel dosimetry results, and quarterly safety audits.

No violations of significance were identified as a result of this inspection.