



### Materials Inspection Record

1. Licensee Name: Mid American Inspection Services, Inc.		2. Docket Number(s): 030-31160		3. License Number(s) 21-26060-01	
4. Report Number(s): 2022-001			5. Date(s) of Inspection: March 18, 2022; exit March 30, 2022		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 03320	8. Priority: 1	9. Inspection Guidance Used: IP 87121	
10. Licensee Contact Name(s): Dustin McDonald - RSO		11. Licensee E-mail Address: mais@i2k.net		12. Licensee Telephone Number(s): 989-732-8059	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Non-Routine <input type="checkbox"/> Announced <input checked="" type="checkbox"/> Unannounced		14. Locations Inspected: <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input checked="" type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 03/18/2023 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

This was a small non-destructive testing company authorized to store radioactive material for industrial radiography at its facility in Gaylord, Michigan, and to use this material at temporary job sites in NRC jurisdiction. At the time of the inspection, the licensee employed ten radiographers and seven assistants, dispatching them from Gaylord to job sites across Michigan and occasionally to neighboring Agreement States under reciprocity. The licensee actively used INC Model IR-100 radiography cameras, a Gamma Industries Pipeliner Model 1 x-ray crawler controller, and a QSA Model 773 for survey instrument calibration.

The inspector toured the office in Gaylord. All areas were adequately posted, and all licensed material was adequately secured. Independent and confirmatory surveys in the vicinity of storage locations for licensed material were below regulatory limits to members of the public. The inspector evaluated a selection of in-service radiography equipment and radiation detection instruments. All equipment and instruments appeared to be in good condition; instruments were calibrated at the required intervals; and cameras were properly labeled. The inspector confirmed the presence of all cameras listed as present per the licensee's utilization logs and inventories. The inspector interviewed the new RSO and the former RSO (who still maintained an interest in the program and provided guidance to the new RSO) to discuss the ongoing implementation of the radiation safety program, and reviewed various elements of the program, including tracking mechanisms for various period requirements and procedures for survey meter calibrations. The inspector also reviewed a selection of records, including initial and refresher training for radiation safety, field audit results, sealed source and DU leak test results, quarterly equipment inspection and maintenance records, and personnel dosimetry reports, which recorded maximum doses of 1.146 rem in 2020 and 1.553 rem in 2021. The inspector also confirmed that the licensee reported these doses to REIRS as required.

The inspector thereafter met with one of the licensee's crews at a temporary job site in Bridgman, Michigan. The crew had a camera in their possession; however, they did not have any radiography scheduled that day. The inspector evaluated the equipment and instruments. All appeared to be in good condition, were calibrated/evaluated as required, and functioned as intended. Their camera was properly labeled; independent and confirmatory surveys in its vicinity were consistent and as expected for the activity present. The inspector interviewed the crew to discuss equipment inspections, restricted area setup and control, response to equipment malfunctions, and transportation of licensed material. The inspector also reviewed a selection of records present at the job site, including utilization logs, shipping papers, and a current copy of the licensee's operating and emergency procedures.

No violations of NRC requirements were identified as a result of this inspection.