

**STATE OF OHIO (DAS)**CLASSIFICATION  
SPECIFICATION**CLASSIFICATION SERIES:**

Radiation Safety Officer

**SERIES NO.:**

2446

**MAJOR AGENCIES:**

Transportation

**EFFECTIVE DATE:****SERIES PURPOSE:**

The purpose of the radiation safety officer occupation is to perform inspections of departmental work sites & storage areas for nuclear devices & hazardous materials to ensure personnel are protected from over-exposure to radiation or exposure to other hazardous health conditions.

At the lower level, incumbents perform inspections of nuclear gauge storage sites & assist with industrial hygiene monitoring activities.

At the higher level, incumbents develop & enforce departmental policies pertaining to hazardous waste handling, perform industrial hygiene surveys & investigations for compliance with hazardous health conditions laws & regulations & respond to emergency spills on the highways to assist with coordinating activities.

Inspections & chemical analyses conducted to evaluate hazardous health conditions for work sites in the private sector are performed by incumbents in the Industrial Safety Hygienist occupation series.

**CLASS TITLE:**

Radiation Safety Officer 1

**CLASS NUMBER:**

24461

**EFFECTIVE DATE:**

03/26/1990

**CLASS CONCEPT:**

The full performance level class works under direction & requires considerable knowledge of natural or physical science & industrial safety & radiation safety principles & practices in order to perform inspections of department's nuclear gauge storage sites to ensure personnel are protected from overexposure to radiation.

**CLASS TITLE:**

Radiation Safety Officer 2

**CLASS NUMBER:**

24462

**EFFECTIVE DATE:**

03/26/1990

**CLASS CONCEPT:**

The advanced level class works under direction & requires thorough knowledge of industrial hygiene safety & hazardous materials safety principles & practices & state & federal laws pertaining to health hazards in workplace in order to develop, implement & enforce hazardous waste management program policies to ensure department's compliance with applicable laws pertaining to hazardous health conditions in work place.

<b>CLASS TITLE:</b> Radiation Safety Officer 1	<b>CLASS NUMBER:</b> 24461	<b>BARGAINING UNIT:</b> 07
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**EFFECTIVE DATE:**  
03/26/1990

**JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)**

Performs inspections of Department of Transportation nuclear gauge storage sites to ensure personnel are protected from overexposure to radiation & personnel are complying with state & federal policy & procedures for handling, transportation & storage of radioactive material, investigates overexposures, provides information regarding safe use of nuclear gauging devices & enforces department's radiation safety program.

Assists in monitoring department's work site environments for chemical & physical hazards using appropriate sampling equipment (e.g., air sampling pumps, noise level meter, radiation meter); responds to emergencies involving radioactive material; investigates complaints concerning possible radiation safety violations & recommends corrective measures.

Performs administrative duties related to radiation safety (e.g., drafts correspondence; prepares reports; recommends specifications for nuclear devices; maintains required records; participates in policy development for radiation safety; trains personnel in radiation safety) & attends training sessions to maintain knowledge base of handling radioactive material.

**MAJOR WORKER CHARACTERISTICS:**

Knowledge of natural or physical science (e.g., chemistry, environmental health or science, biology, industrial hygiene); industrial safety practices; public relations; safety inspection & investigation techniques\*; state & federal laws, regulations & standards pertaining to occupational safety & health\*; radiation safety principles & practices. Skill in use of sampling equipment (e.g., Geiger counter, noise meter, air flow pumps)\*; computer\*. Ability to define problems, collect data, establish facts & draw valid conclusions; interpret technical material regarding radiation safety; write letters, maintain records & complete routine reports; recognize dangerous physical conditions & take appropriate defensive measures; handle sensitive contacts with public, employees & officials.

(\*)Developed after employment.

**MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:**

Completion of undergraduate core program in natural or physical science (e.g., chemistry, biology, environmental science or health, industrial hygiene); 6 mos. trg. or 6 mos. exp. in industrial safety practices; 6 mos. trg. or 6 mos. exp. in radiation safety practices; 1 course or 3 mos. exp. in public relations; valid driver's license.

-Or 24 mos. exp. in conducting industrial safety & hygiene surveys & investigations including operating sampling equipment for detection of hazardous chemical & radioactive exposure; 1 course or 3 mos. exp. in public relations; valid driver's license.

-Or equivalent of the Minimum Class Qualifications for Employment noted above.

**TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:**

Not applicable.

**UNUSUAL WORKING CONDITIONS:**

Requires travel; may be exposed to dirt, noise & construction equipment; may be exposed to hazardous materials.

<b>CLASS TITLE:</b> Radiation Safety Officer 2	<b>CLASS NUMBER:</b> 24462	<b>BARGAINING UNIT:</b> 07
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**EFFECTIVE DATE:**

03/26/1990

**JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)**

Develops, implements & enforces Department of Transportation's hazardous waste management program policies statewide to ensure compliance with state & federal laws & regulations pertaining to hazardous material handling & industrial hygiene, serves as liaison with federal & other state agencies concerning hazardous waste issues, trains waste handlers, inspects records & storage locations, investigates hazardous waste related illnesses & injuries, obtains samples as necessary, recommends disciplinary measures in appropriate non-compliance situations & reviews hazardous waste management techniques in districts & new building designs to ensure proper storage of chemicals & waste.

Conducts industrial hygiene surveys to identify existing or potential health hazards (e.g., fumes, radiation, dust, noise, vapors, gasses, inadequate ventilation & lighting, fire & explosions, medical monitoring, protective equipment), interprets results of tests, develops training programs, prepares technical reports of survey results, initiates corrective actions & monitors implementation of corrective measures for compliance, serves on review committees for industrial hygiene or ergonomics issues; determines industrial hygiene equipment needed & approves purchases; provides technical expertise to districts regarding industrial hygiene issues; serves as liaison between management & union concerning industrial hygiene matters.

Responds to emergencies & hazardous spills on highways & assists to coordinate protection & clean-up activities; serves as department representative at meetings with other spill response agencies; develops policies for & coordinates activities of department employees at spill sites.

Performs administrative duties related to industrial safety & hygiene (e.g., prepares reports; completes records; maintains files; prepares correspondence).

**MAJOR WORKER CHARACTERISTICS:**

Knowledge of natural or physical science (e.g., chemistry, biology, environmental health or science, toxicology, industrial hygiene); industrial hygiene & hazardous materials safety principles & practices; physiological impact of chemical exposure\*; inspection practices; public relations; ventilation principles\*; hazardous materials handling, transportation & storage; hazardous materials exposure investigation; state & federal laws, regulations & standards pertaining to occupational safety & health; laws for transportation, handling & storage of hazardous materials\*. Skill in operation of sampling equipment (e.g., velometer, gas & vapor detectors, air flow pumps, wet chemistry, bulk & wipe sampling, gas chromatograph, mass spectrometer); computer\*. Ability to deal with many variables & determine specific action; handle routine & sensitive contacts with industry, public, employees & officials.

(\*)Developed after employment.

**MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:**

Completion of undergraduate core program in natural or physical science (e.g., chemistry, biology, environmental science or health, toxicology, industrial hygiene); 12 mos. trg. or 12 mos. exp. in industrial hygiene & hazardous materials safety principles & practices; 6 mos. trg. or 6 mos. exp. in public relations; 6 mos. trg. or 6 mos. exp. in industrial hygiene inspection & investigation; valid driver's license.

-Or 6 mos. exp. as Radiation Safety Officer 1, 24461; valid driver's license.

-Or 36 mos. exp. conducting industrial safety & hygiene surveys & investigations including operating sampling equipment for detection of hazardous chemical & radioactive exposure; 6 mos. trg. or 6 mos. exp. in public relations; valid driver's license.

- Or equivalent of the Minimum Class Qualifications for Employment noted above.

**TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:**

Not applicable.

**UNUSUAL WORKING CONDITIONS:**

Requires travel; occasionally exposed to chemical hazards; may be exposed to other hazardous materials.