

EDITED KSAPC LISTING

CLASSIFICATION: Hazardous Materials Specialist

NOTE: Each position within this classification may perform some or all of these KSAPCs.

KSAPC Statements	
Knowledge of:	
K1.	Basic knowledge of principles of scientific research in order to interpret scientific publications and methodologies for developing practical applications.
K2.	Advanced knowledge of chemical and physical characteristics of hazardous materials and wastes and their general effect on human health and the environment.
K3.	Advanced knowledge of chemical reactions to ensure the health and safety of staff, inmates and the protection of the environment.
K4.	Advanced knowledge of the effect of hazardous materials and wastes and their chemical interactions on the environment for effective emergency response for potential and unplanned releases and spills.
K5.	Basic knowledge of water, soil and air quality management to determine level of contamination and develop contingency plans.
K6.	Basic knowledge of research and statistical analysis on the health effects of hazardous substances to keep abreast of current best management practices.
K7.	Basic knowledge of Federal, State, and local hazardous waste stream characteristics and mitigation practices to protect the health and safety of employees and inmates.
K8.	Basic knowledge of Federal, State, and local hazardous waste stream characteristics and mitigation practices to minimize adverse impacts on the environment.
K9.	Basic knowledge of Federal, State, and local statutes, regulations, legislative, and regulatory processes, programs, and responsibilities related to hazardous materials and wastes.
K10.	Basic knowledge of methods of transport, storage, recovery, treatment, destruction, disposal, and use of hazardous materials and wastes.
K11.	Basic knowledge of the hazardous waste generator permitting process to ensure compliance with environmental regulatory mandates.
K12.	Basic knowledge of concepts employed in a variety of disciplines including public health and resource management to ensure an efficient and effective hazardous materials and wastes management program.

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KSAPC Statements	
Ability to:	
A1.	Ability to collect environmental data to identify unknown hazardous substances, concentration levels and exposure risks.
A2.	Ability to analyze and evaluate data and reach sound conclusions in order to formulate appropriate courses of action.
A3.	Ability to apply scientific methods and principles to reach an appropriate level of response to unplanned release of hazardous substances, evaluate and monitor the environment (e.g., air, water, soil, etc.).
A4.	Ability to analyze situations and take appropriate actions to include determination of appropriate levels of personal protective equipment, mitigation and remediation.
A5.	Ability to establish and maintain cooperative professional relationships.
A6.	Ability to prepare clear, complete, and technically accurate reports to document regulatory efforts, provide alternatives and recommendations for management.
A7.	Ability to communicate effectively in order to obtain and provide accurate information, provide training, and conduct meetings.
A8.	Ability to plan, organize and apply practical procedures with management of hazardous materials and wastes.
A9.	Ability to coordinate and direct the work of others, including inmate workers, in the control of potential and unplanned releases, removal, or collection of hazardous wastes.
A10.	Ability to be objective and flexible to function effectively in a team setting.
A11.	Ability to meet critical deadlines for regulatory mandates.
A12.	Ability to understand principles of risk assessments and risk management in formulation of all required plans and mandates.
A13.	Ability to read and understand technical research reports on emerging public health issues related to the use of hazardous materials and wastes.
A14.	Ability to operate electronic media (e.g. computer, software, etc.) to access, enter, update and retrieve information.