The new Chemical and Materials Risk Management office focuses on protecting people and readiness by managing risks from emerging contaminants and known hazardous materials used by the Department of Defense (DoD). Its Scan – Watch – Action Process first identifies chemicals of interest to DoD, then assesses the environmental, safety, health and mission risks associated with likely regulatory shifts, and finally develops options to best manage the highest risks. Development of risk management options involves careful consideration of the technical feasibility, costs and benefits, payback period, likelihood of acceptance and implementation, and identification of an “owner.” After considerable evaluation and vetting, risk management options are presented to an enterprise board for endorsement. Numerous risk management measures have been developed, approved, and are underway. Engineered nanomaterials, perchlorate, RDX, hexavalent chromium, beryllium, and naphthalene are among the chemicals for which DoD has taken risk management actions in advance of foreseen shifts in regulation. This presentation will provide an overview of processes and tools used to identify emerging contaminants and to develop appropriate risk management options that enjoy enterprise support. Additionally, a few cross-cutting efforts to develop guidance and tools to manage the Department’s chemical and material risks will also be highlighted. This session lays the foundation for material presented by subsequent speakers.