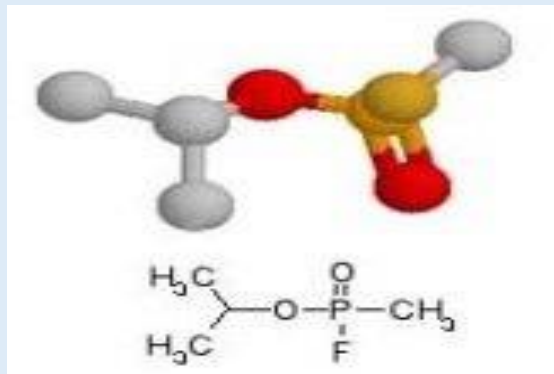


Pre-Incident Waste Management Planning Tool

USEPA/OLEM/ORCR/MRWMD

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Molecular Structure of Sarin



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Background: Need

- Over the years, ORCR has observed the benefits of pre incident waste management planning, and the consequences of the lack of such planning in many jurisdictions.
- Waste management (WM) issues have a major impact during Homeland Security (HS) incident responses.
- Communities with comprehensive and well-coordinated pre-incident Waste Management Plans (WMPs) are expected to recover more quickly and at less cost from these incidents, enhancing these communities' resiliency.
 - Pre-incident WM planning can significantly aid decision-making during a response by having communities begin considering WM issues.
 - Having considered the issues in advance, responders are not making decisions in "panic mode" during an incident.
 - Having planned for management of waste in advance time and money can be saved, allowing responders to focus on other issues.

Background: Reasons for Lack of Planning:

We commonly heard the following:

- Lack of resources (staff, funding, time)
- Lack of guidance
- Lack of awareness of impacts

"I'm staring at a blank page and don't know where to begin."

Background: Development

- In 2013, ORCR, with funding from OHS, began developing a waste management planning (WMP) online tool based on ORCR's 4 Steps document.
- Intended for State and Local Planners, but also other entities interested in developing a WMP
- The workgroup to develop this tool includes representatives from OHS, R3, R5, and NHSRC
- Focus groups were held with States in Regions 3 and 5 to gain stakeholder feedback on the tool.

Development Process

The tool is being developed in two phases:

1. Create a Quick-Start guide that encourages communities to begin waste management planning (WMP) and helps them develop a starter plan.
2. Develop the full planning tool, which will contain further detail and have more functionality.
 - Addition of other WMP sections where more specific information and in-depth analysis is asked of the user
 - Ability to share selected information with other users
 - A video explaining the benefits of pre-incident planning

Quick-Start Capabilities

- Simplified version of the full tool, requiring minimal input from the user.
- Prompts the user to choose an incident type (e.g., Chemical, Radiological, Animal disease, All Hazards) and a location/incident size (e.g., wide area, single building).
- Provides the user with information on potential waste streams, estimated waste volumes, and potential facility types (e.g., incinerators, landfills), based on information entered by the user and data from I-Waste.
- All information stored in tool, allowing for updating as new data is obtained.
- Allows for sharing of plans between users (with user permission only).
- Transfers all information into the full function tool once that is developed.

Projected Full Tool Capabilities

- All Quick-Start capabilities
- Ability to enter more details
- Additional fields/topics (such as transportation, outreach, health and safety etc.)
- Improved data import directly from other available resources (e.g., I-Waste, R5 facility selection tool)
- Walks user through the planning process, prompting them to consider issues and begin solutions to potential problems (e.g., outreach to communities in advance of an incident, where waste can be managed)
- Provides more detailed default information, such as estimated waste volumes, in cases where the user lacks specific information
- Associated mobile app for use on-site during an incident

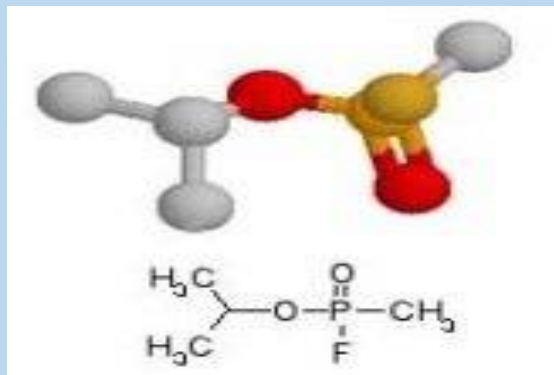
Status

- Quickstart is online and ready for use as a beta
 - Requesting users provide input on any necessary changes to the quickstart, and any suggestions for features to include in the full tool.
- Scoping out development of full tool
- Working with NHSRC to migrate IWaste and other tools to our server (and increasing compatibility)

Walkthrough Demonstration of Quickstart

www.wasteplan.epa.gov

Questions?



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