PROJECT OUTPUTS. TOOLS DEVELOPED

OPERATIONAL FIELD GUIDE - PROTECTING COMMUNITIES FROM MARITIME INCIDENTS INVOLVING AIRBORNE POLLUTANTS

AUTHORS

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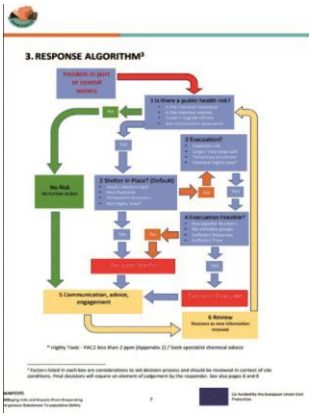
ACCESS/DOWNLOAD AT

https://manifests-project.eu/documents/31/Deliverable_D3.2_Decision_making_Guidance_Field_Guide_UKHSA_Final_V1.pdf

UK Health Security Agency



APPLICATION AND USE

Purpose/objective of the tool

The aim of this guide is to aid decision making in the immediate aftermath of an incident, prior to receipt of detailed monitoring and modelling data.
The guide is aimed at those involved in managing initial response as well as those with emergency planning roles.
The guide is targeted at protection of the public and not response personnel located within the immediate source of the incident.

Applications of this tool

- Management of crisis and decision making
- Contingency planning and guidance
- Risk assessment
- Training and exercising

How to use it

The Tool Requires users to collect basic information immediately following report of an incident. Using the source-pathway-receptor approach data required are – type and quantity of gas / evaporator released, hazards for that chemical, weather conditions, local receptors. This information can then be used to follow the decision-making algorithm and establish immediate best actions.

Key features and functionalities

The guide provides an approach for decision making and is primarily designed to be used during training of responders or for resilience planning.
It comprises a decision algorithm based upon a source-pathway-receptor approach, a range of prompts and considerations to be made at key points during the assessment process, key information resources and summaries of key hazard data for multiple gaseous and volatile HNS.
A separate detailed guidance document details the development of the approach and should be read before using the operational guide.

Practical examples where this tool can be used

The tool is specifically designed for use during training exercises so that responders can be given a scenario involving a gas or vapour release and then use the algorithm to decide best public protection. The tool has been workshopped in MANIFESTS Project and 2 worked examples are provided in the supporting technical report (See Section 5 Q17 for link).

Results or outputs produced

The Tool does not produce specific outputs but is aimed at planners and responders to become familiar with the considerations when deciding protective actions for communities during gas or vapour releases from ports or near shore.

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TECHNICAL REQUIREMENTS

Operating system required

Paper copy

Integration with other software / systems / project tools

It can be used in conjunction with exercise materials such as chemical datasheets, atmospheric model outputs, maps and monitoring data.

TARGET AUDIENCE

Target audience

- Authorities and companies with legal responsibility of implementing contingency plans
- Port and maritime authorities
- Coastguards
- Emergency responders (Civil protection, firefighters, army, police officers, etc.)
- Environmental managers

Type of knowledge background required to use this tool/output

Users need a basic understanding of chemical incident response and risk assessment.

ACCESS

Permissions required

This tool is open.

USER GUIDANCE

User guides or manuals available for this tool

Supporting technical guidance and illustrative examples https://manifestsproject.eu/documents/18/Deliverable_D3.2_Decision_making_Guidance_UKHSA_Final_V1.pdf

FREQUENTLY ASKED QUESTIONS

How do I use the guidance for planning and preparedness?

Identify the types and quantities of gases or evaporators handled at your port or along your coastal waters, review potential communities that could be affected. Use the algorithm to identify likely best protective options. This can be done for multiple chemicals at varying quantities of release and can be used to identify where to establish monitors and resources, inform training exercises and develop pre-prepared risk messaging for communities.

How do I use the guidance for Training?

Choose a realistic scenario for your region. Use injects for delegates to request information and populate the algorithm. The Technical Report provides 2 illustrative examples of a desk top scenario.

Can I use the tool in a real incident?

The tool can be applied in a real incident however, application should be mindful of any other operational procedures and site specific factors relevant to the incident e.g Site emergency plans, SEVESSO / COMAH plans, real-time monitors etc.

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