

1. Drills and Exercises
 2. Reporting (Substance/ Transport Route)
-

B.C. Spill Response Regime Engagement

April 2016



Ministry of
Environment

Agenda

1. Drills and Exercises

- Types and frequencies
- Meeting requirements
- Evaluation, coordination and scheduling

2. Reporting of substance and transport route

- What exists
- Amendments

- Summary
- Next Steps
- Questions



1. Drills and Exercises



What are drills and exercises?

Drills

Test 1-2 Plan Items



What are drills and exercises?

Drills

Test 1-2 Plan Items



Exercises

Test Several Plan Items



What are drills and exercises?

Drills

Test 1-2 Plan Items



Exercises

Test Several Plan Items

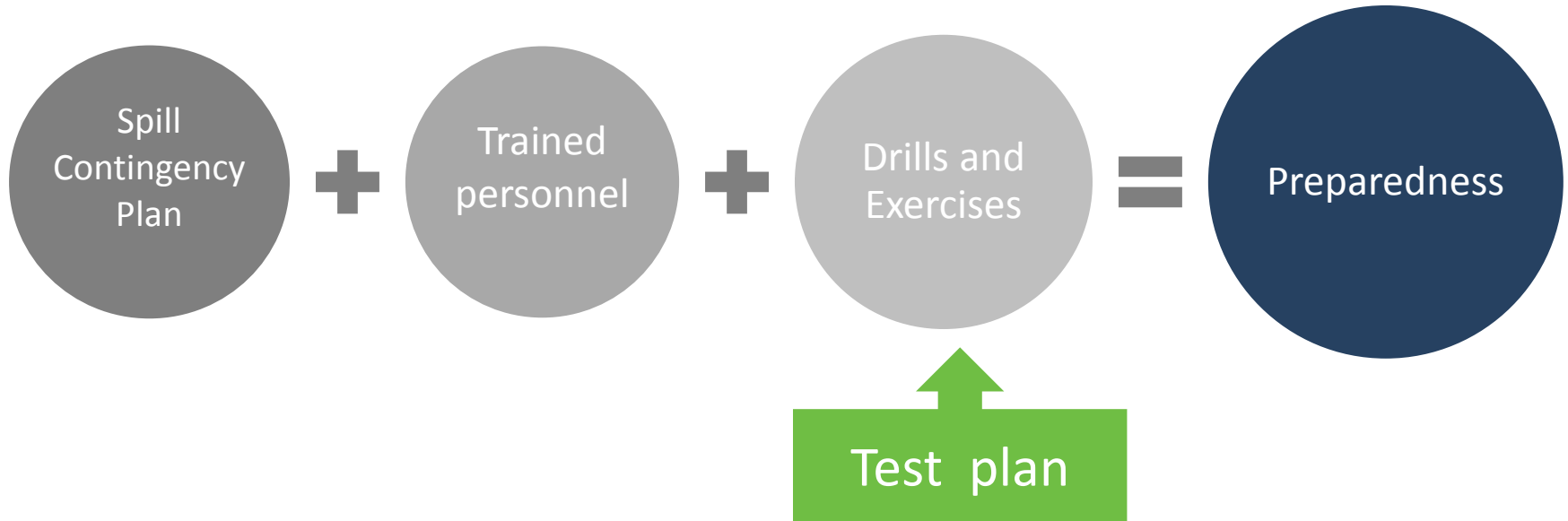


Full Scale

Worst Case



Why do drills and exercises?



Before Amendments

Before...

No
requirements
for drills and
exercises

After Amendments

Before...

No requirements for drills and exercises



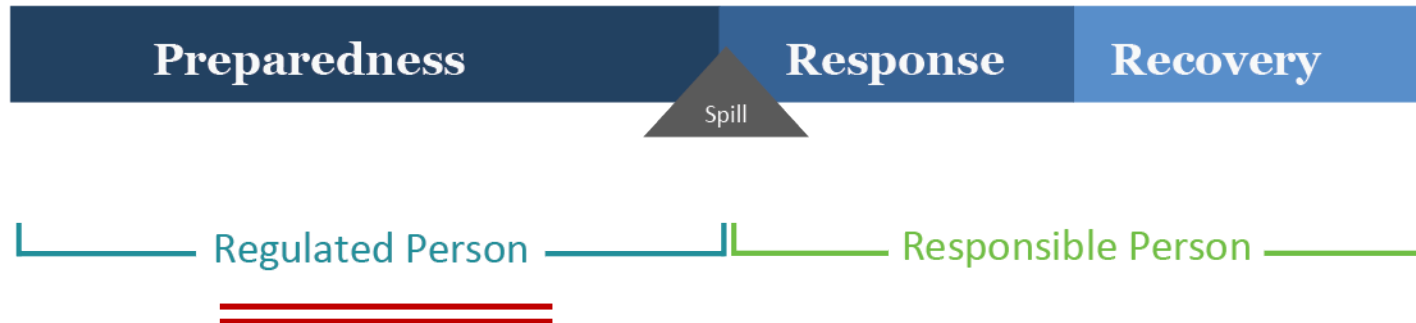
After...

- testing of spill contingency plans
- personnel engaged in training drills and exercises
- prescribed manner and frequency.



Proposed/draft policy

Who does drills and exercises?



Other jurisdictions

Jurisdiction	Legislation/rules/guidelines
British Columbia	Emergency Management Regulation (Oil and Gas Activities Act) Health, Safety and Reclamation Code for Mines in BC and guideline (Mines Act)
Transport Canada	Response Organization and Oil Handling Facility Regulation Guide to Emergency Response Assistance Planning
National Energy Board	Guide to Emergency Management Program
Environment and Climate Change Canada	Environmental Emergency Regulation
Alberta	Directive 071 - Emergency Preparedness and Response Requirements for the Petroleum Industry
Alaska, California and Washington	Alaska Section 46.04.03 Oil discharge prevention and contingency plans California Code of Regulations – Oil Spill Contingency Plans Washington Administrative Code 173-182 Oil Spill Contingency Plan

Other jurisdictions - details

Jurisdiction	Tabletop	Deployment exercise	Full-scale / worst case deployment	Testing cycle
BC EMR Guide (OGC)		Annual	1 every 3 years	3 year
AB Directive	Annual		1 every 3 years	3 year
ECC E2 Guide	Annual	Annual	1 every 5 years	5 year
NEB Guide	Annual		1 every 3 years	3 year
TC RO&OHF				3 year
Alaska		2 per year		
Washington	Annual	2 per year		3 year

Proposed types and frequency

Proposed type	Year 1	Year 2	Year 3
Tabletop drill	✓	✓	✓
Deployment drill or exercise	✓	✓	
Full-scale/worst case deployment exercise			✓

Potential ways to meet requirements

- Meet if an actual spill tests plan
- Good record keeping
- Also exploring:
 - Hire contractor/PRO
 - Participate in ARP worst case exercise
 - Completed for another agency
 - Completed in another jurisdiction



Drills and exercises evaluation

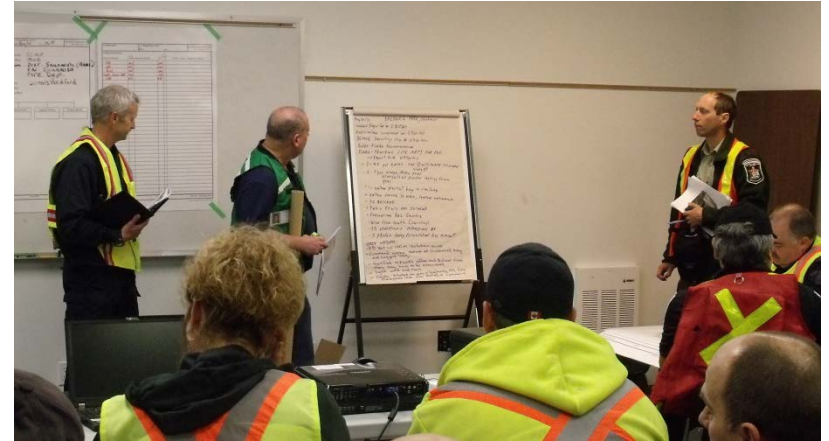
- Self-evaluation = report
- Intentions Paper 3
- Record of compliance
- 1 report - group of regulated persons

APPENDIX F: Proposed Testing Recordkeeping Topics

Notifications	Implement the procedure to inform the appropriate entities about the incident.
Responder mobilization	Ability to assemble within the spill response time identified.
Incident Command System and Post	Ability to operate within the response management system described in the plan, including identification of individuals for ICS positions, use of ICS procedures, and establishment of an incident command post (as required).
Source control	Ability to control and stop the spill at the source.
Assessment	Ability to provide an initial assessment of the spill and provide continuing assessments of the effectiveness of the tactical operations.
Containment	Ability to contain the spill at the source or in various locations for recovery operations.
Recovery	Ability to recover, mitigate and remove the spilled product.
Protection	Ability to protect the sensitive areas identified in the plan.
Disposal	Ability to dispose of the recovered material and contaminated debris.
Communications	Ability to establish an effective communications system throughout the scope of the plan.
Transportation	Ability to provide effective multimode (air, land or water) transportation.
Personnel support	Ability to provide the necessary logistical support of all personnel associated with the response.
Equipment maintenance and support	Ability to maintain and support all equipment associated with the response.
Procurement	Ability to establish an effective procurement system to manage any necessary purchasing, contracting etc.
Documentation	Ability to document all operational and support aspects of the response and provide detailed records of decisions and actions taken.

Coordination and scheduling

- Spill contingency plan
 - Personnel
 - Training details
- Schedule drills and exercises on website
- Government can attend and test plan



2. Substance and transport route reporting



Reporting substance information and transport route

- Assists responders
- Certain sectors do this already:
 - TRANSCAER®
 - Transport Canada
 - AskRail app



Before Amendments

Before...

Issue order
to gather
info on
substance



After Amendments

Before...

Issue order
to gather
info on
substance



After...

Report

- substance properties,
- volume,
- transport routes from regulated person and anyone else (reasonable grounds)



Proposed/draft policy

Reporting

- Report at regular interval
- Or more if substance/volumes change
- Streamline



Summary

- **Drills and exercises draft policy**
 - 3 year cycle
 - Annual table top drill and deployment drill/exercise
 - 1 exercise full-scale/worst case deployment
 - Alternate options
 - Self evaluation and record keeping
 - Coordination and scheduling
- **Report substance properties, volume, transport routes – to be developed**
 - Frequency
 - Reporting changes
 - Streamline

Questions?



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Next steps

- Workshop input/feedback
- Technical working groups
- Intentions paper – online
- Feedback - online
- Confirm policy for regulations

Discussion Questions

1. Drills and Exercises

- What are other ways to meet drills and exercise requirements?

2. Reporting substances and transport route

- How can we streamline reporting?
- How often?
- What changes should trigger additional reporting?

Thank you



Beautiful B.C.
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Feedback on the Third Intentions Paper

Until June 30, 2016, please provide your comments on the Third Intentions Paper in the following ways:

1. As an individual, post your comments publically at <https://engage.gov.bc.ca/spillresponse/>
2. As an representative of your organization, submit formal attachments on organizational letterhead to spillresponse@gov.bc.ca All attachments will then be posted publically at the website above.



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