



Flowchart - Managing Contaminated Material during **Ground Penetration and Excavation**

This flowchart has been developed to support implementation of TasPorts' Environmental Guideline - Managing Contaminated Material during Ground Penetration and Excavation.

NOTE: TYPICAL TIMEFRAME: ALLOW 6 – 10 WEEKS

Early **Notification** (Guideline 5.1) Trigger: Early Project Planning for ground penetration, excavation or dredging

Examples: Underground Utility Trenching and Horizontal Drilling,

Resurfacing, Foundations (light poles/buildings etc.), Dredging (where

spoil is to be disposed of or re-used on land)

Planning Meeting (Guideline 5.2)

Accountability: Maintenance or Project Task Manager

- Review Environmental Guideline Managing Contaminated Material during Ground Penetration and Excavation and prepare responses to Section 5.2 (points to consider) prior to planning meeting
- Arrange planning meeting with Environmental Advisor
- Scope requirements and engage Contaminated Land Specialist Consultant to design Sampling and Analysis Plan (SAP)

Contamination Assessment & Classification (Guideline 5.3)

Accountability: Maintenance or Project Task Manager and Contaminated Land **Specialist Consultant**

- 4) Design SAP and agree scope with task manager
- 5) **Obtain Excavation Permit**
- Arrange access with task manager and complete sampling
- Review lab analytical results and classify material against EPA Bulletin No. 105

Assess Reuse & Disposal **Options** (Guideline 5.4)

Accountability: Maintenance or Project Task Manager & Contaminated Land **Specialist Consultant**

- 8) Assess material for reuse on-site and if not feasible, consider reuse off-site
- 9) Determine requirement for EPA approval to reuse/dispose (and store if >30 days)
- 10) Seek in-principal agreement from proposed re-use or disposal site (landfill or other)
- 11) Develop Waste Management Plan if material is classified as Level 2, 3 or 4 and is to be moved or transported off-site
- 12) Submit request to EPA for disposal/reuse (and store if > 30 days)
- 13) Obtain EPA approval (typically takes 2 weeks)
- 14) Obtain Manager Environment & Sustainability written approval to remove material
- 15) Material must be transported off-site using EPA registered controlled waste transporter

Develop Management **Controls** (Guideline 5.5)

Accountability: Maintenance or Project Task Project Task Manager

- 16) Discuss implications of lab results for any H&S requirements for workers (i.e. exposure risk during excavation and/or storage)
- 17) Agree any engineering requirements for temporary storage (if required)
- 18) Engage EPA approved transport company and relocate material
- 19) Confirm recording and close out of project with Environmental Advisor

Maintenance or Project Task Manager with Environmental Advisor throughout