

CONTAMINATED MATERIALS MANAGEMENT

External
Advisory
Group



TOPICS

- 1. Clean Soil Definition**
- 2. Waste Determination**
- 3. Options for Placement of Soil with Low Level of Contaminants**
- 4. 718 Fundamental Principles**
NR 718.12(1) and NR 718.12(2)

CLEAN SOIL

Clean Soil

UNRESTRICTED

Site-specific
Exemptions with
restriction

SOME RESTRICTION

Landfill

RESTRICTED

CLEAN SOIL – WHITE PAPER

- **VOCs** - *below laboratory MDLs*
- **Arsenic** - *below the non-industrial direct contact RCL of 0.613 mg/kg*
- **Lead** - *below ground water RCL of 27 mg/kg*
- **Other Metals** – *below BTVs values*
- **PAHs** – *below residential direct contact RCLs and below groundwater RCLs.*
- **PCBs** - *below laboratory MDLs*
- **Other non-naturally occurring parameters** – *below laboratory MDLs*

CLEAN SOIL

- “Clean” soil definition was preliminarily approved by Remediation & Redevelopment Program and Waste & Material Management Program.
- MDLs for several WI Certified labs under evaluation to specify acceptable level
- Formal approval process developing

WASTE DETERMINATION

- **Phase I or similar historical review**
- **Phase II or other sampling data**
- **Field Observation**

OPTIONS FOR LOW LEVEL CONTAMINATED MATERIAL

Clean?

- No restriction
- No cover
- No obligation

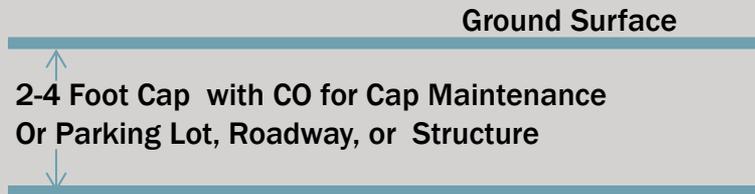
- Location criteria met
- Shown to be protective
- Possible cover and/or restriction

LHE + NR718?

- Managed by facility guidelines

Licensed Landfill

RESTRICTED PLACEMENT NON INDUSTRIAL



< Non Industrial DC RCLs
> GW RCLs & < NR 140 SPLP

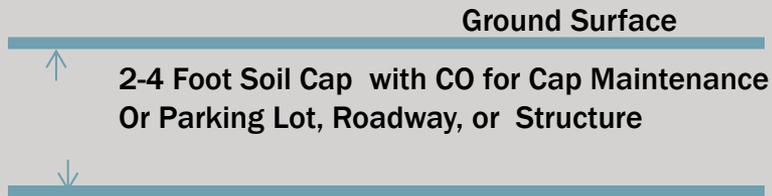
> Industrial DC RCLs
> GW RCLs & < NR 140 SPLP



Exemption Required
> Industrial DC RCLs
< GW RCLs

- Acceptable VOCs pose No Vapor Risk

RESTRICTED PLACEMENT INDUSTRIAL



< Industrial DC RCLs
> GW RCLs & < NR 140 SPLP

> Industrial DC RCLs
> GW RCLs & < NR 140 SPLP



Exemption Required
> Industrial DC RCLs
< GW RCLs

- Acceptable VOCs pose No Vapor Risk

RESTRICTED PLACEMENT LARGE RECEIVING SITE/FACILITY



< Non Industrial DC RCLs
> GW RCLs & < NR 140 SPLP

> Industrial DC RCLs
> GW RCLs & < NR 140 SPLP



> Industrial DC RCLs
< GW RCLs

Not Allowed

- Acceptable VOCs pose No Vapor Risk
- Reclamation Plan
- Land Use Zoning

OPTIONS FOR LOW LEVEL CONTAMINATED MATERIAL

- **Continuing Obligations**
- **Tracking**

NR 718.12(1)&(2) MANAGEMENT OF CONTAMINATED SOIL

**Self Implementing if Immediate
Action – Sample results must be
submitted.**

**DNR approval required if Interim or
Response Action.**

WMM/RR INTEGRATION TEAM

Newly formed DNR Team focused on:

- **Developing Solutions for issues that involve both WMM and RR programs**
- **Consistency**