Nelson Environmental Remediation Ltd.

Clean Dirt, No Doubt

presents THERMAL REMEDIATION "MADE SIMPLE"



Nelson Environmental Remediation Ltd.





Soil Preparation

- Screening & Removal of Rock and Debris
- Homogenize Soil (uniform hydrocarbon levels)



Soil Preparation

- Reduce Moisture (if possible)
- Shredding of cohesive clay



Desorbtion in Kiln

- Heating of Soil to 200 600°C
- Retention time 5-15 minutes
- Volatiles are vaporized



Desorbtion in Kiln

- Soil discharged clean & re-hydrated
- Volatiles, steam & dust sent to baghouse



Emissions Control Equipment

- Removal of Dust Particulate
- Dust returned to soil stream
- Volatiles sent to Oxidizer



Oxidizer

- Volatiles heated to 870°C
- O₂ added to air stream
- One second plus retention



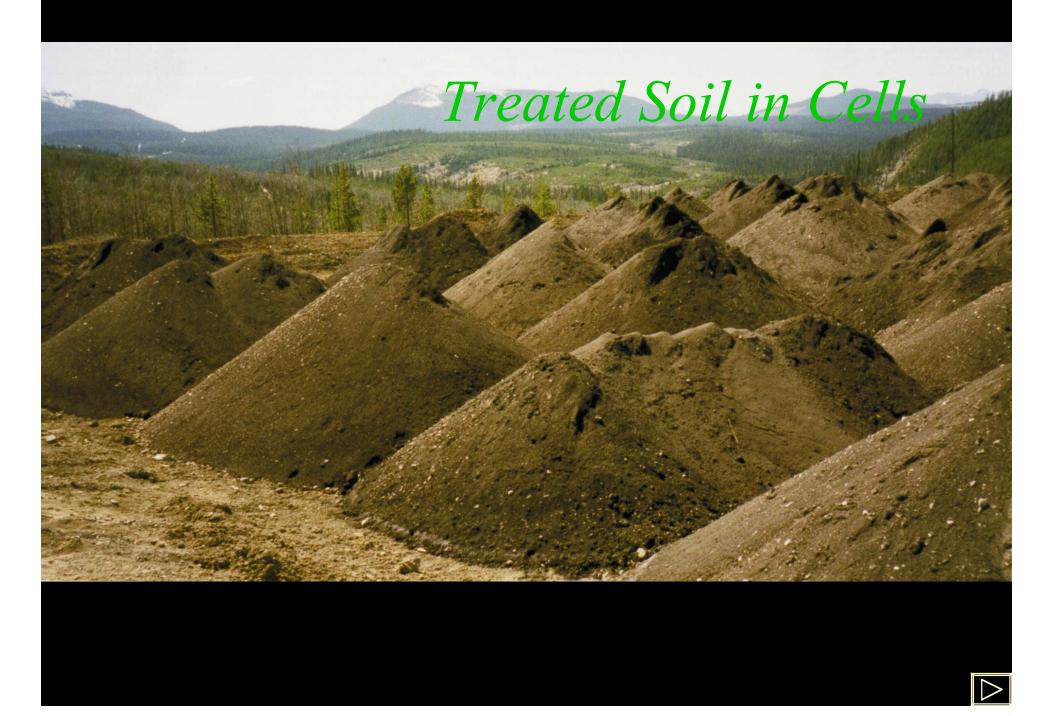
Oxidizer

- Destruction of Volatiles at 99.99 or greater efficiency
- Emissions of N (70-80%), $\overline{CO_2(8\%)}$, $O_2(7-11\%)$ and Water vapor (balance)



Panoramic View





Nelson Environmental Remediation Delivers

- Predictable Time Frame
- Mobile Equipment
- Measured Quantity
- Competitive Pricing
- Billing on Results