

# ABI Technical Meeting April 8, 2014

Environment and Sustainable  
Resource Development  
Regulatory Landscape

# Environmental Protection and Enhancement Act

# ESRD Regulatory Landscape

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- Principles of EPEA
  - Polluter Pay
  - No Adverse Effect
  - Authorization of an Adverse Effect
  - Regulate Amounts of Release

# ESRD Regulatory Landscape

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- 108(2) No person shall release or permit the release of a substance into the environment in an amount, concentration or level or at a rate of release that is in excess of that expressly prescribed by an approval or the regulations.

# ESRD Regulatory Landscape

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- 109(2) No person shall release or permit the release into the environment of a substance in an amount, concentration or level or at a rate of release that causes or may cause a significant adverse effect.

# ESRD Regulatory Landscape

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- Waste EPEA 176-182
  - No person dispose of waste
    - Except as authorized
    - Not on public land
    - Not on or into water or ice
    - Not on land of another

# ESRD Regulatory Landscape

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- Activity Designation (Authorization)
  - Waste facility
  - Chemical manufacture
  - Wood products
  - Fertilizer

# ESRD Regulatory Landscape

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## Waste Handling

Landspreading

Beneficial use

ESRD describes the general characteristic of beneficial waste in a flyer available on the website

Key that waste product is that it is used for a specific purpose (soil amendment)



# ESRD Regulatory Landscape

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## Water Release

- Industrial Wastewater & Runoff Levels
  - Discharge Volume
  - pH 6.0-9.5 Units
  - Oil and Grease no visible sheen
  - Total Suspended Solids 25 mg/l
  - Chemical Oxygen Demand 50 mg/l
  - Ammonia Nitrogen 5 mg/l
  - Chloride 500 mg/l

# ESRD Regulatory Landscape

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- Air releases
  - Particulate
    - Code of Practice (Sawmills)
      - Clean wood firing 0.09
    - Regulation
      - 0.2 g/kg Substance Release

Alberta

**Climate Change  
And  
Emissions  
Management Act**

# ESRD Regulatory Landscape

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- Specified Gas Emitters Regulation
- Alberta Offset System
  - Eligible offsets reductions must be
    - **Real**

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    - **Quantifiable**

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    - **Verifiable**

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    - Real
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    - Verifiable
    - **Replicable**

# ESRD Regulatory Landscape

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- Specified Gas Emitters Regulation
- Alberta Offset System
  - Eligible offsets reductions must be
    - Real
    - Quantifiable
    - Verifiable
    - Replicable
    - **Go beyond business as usual**



# ESRD Regulatory Landscape

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- “inert waste” means **solid** waste that, when disposed of in a landfill or re-used, is **not** reasonably **expected to undergo** physical, chemical or biological **changes** to such an extent as **to produce substances that may cause an adverse effect**, and includes, but is not limited to demolition debris, concrete, asphalt, glass, ceramic materials, scrap metal and dry timber or wood that has not been chemically treated;

# ESRD Regulatory Landscape

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- “Class III landfill” means a landfill for the disposal of inert waste;

# ESRD Regulatory Landscape

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- **ISO 14064-2: Project Quantification, Monitoring**

# ESRD Regulatory Landscape

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- Summary
  - Creating biochar is currently an activity that requires authorization under EPEA
  - There is currently no protocol under the Specified Gas Emitters Regulation that recognizes biochar

# ESRD Regulatory Landscape

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