NEBRA Digestion Roundtable

CMI Environment

Your partner for environmental excellence

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Cockerill Maintenance & Ingénierie
CMI Group: Short Introduction
CMI Tailor-made solutions for Odor Control
CMI Stripping solution : Recov’Ammonia
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A specialized Group

Waste treatment
Energie solaire Défense Air
Training Energies Chaudières Eau
Environnement Sidérurgie Lignes de galvanisation
HRSGs Boilers Aéronautique Simulateurs
Solar energy Maintenance Operational efficiency
Stations d'épuration Services aux projets Equipment
Know-how Galvanizing lines Energies Laminaires HRSGs
Spécialistes Environment Systèmes d'armes Durable
Métaux Industrial furnaces Weapon systems Biomasse
Services to industries Projects services Water
Savoir-faire Fours industriels Equipement Simulateurs
Efficacité opérationnelle Metals Biomass Rolling mills
Specialists Services aux industries Air
Formations Aéronautique Defence
Sustainable Maintenance Steelmaking
CMI Tailor-made solutions for Odor Control
Tailor-made solutions for air pollution control

CMI Odor Control Strength

- >110 people dedicated to the odor, located in 3 entities
  - Including 6 people in Lisle with more than 40 years of history in industrial air treatment
- R&D (Laboratory, Dynamic olfactometer, pilot tests)
- > 1000 references Worldwide
- Using Eco friendly Thermoplastic material
- Sourcing from North America
- Specialized in 3 main technologies → BEST SOLUTION!!!
Tailor-made solutions for air pollution control
Waste Management / SEMECS / Varennes (QC) - Canada

1 line fitted with
One acid scrubber
One biofilter
25,000 cfm
CMI Stripping solution: Recov’Ammonia
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Stripping Principle

Release targeted pollutants from the liquid towards the gas

Operating Parameters

- Temperature regulation
- pH regulation
- Air/liquid ratio definition
- Exchange model

VOC
CO₂
NH₄⁺
H₂S
CMI Stripping solution: Recov’Ammonia

Recov’Ammonia
Process: Organic waste
Liquid Flow: 100 gpm
$[\text{NH}_4^+]: 3.3 \text{ g/l}$

Stripping parameters:
- Confidential

Efficiency: 90% $\Rightarrow [\text{NH}_4^+] 200 \text{ mg/l}$
Thank you

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