Cell 10A Construction and LFG Expansion

North Montgomery Landfill

Andalusia - Albertville – Auburn - Birmingham - Dothan – Gadsden - Huntsville

www.cdge.com
Daniel Wells, P.E.

- Sr. Project Manager
- 15 Years Experience
- Registered professional engineer in AL, FL, GA, TN
- Director of Construction Services
Projects Overview – Last 5 Yrs

• LFG System Remediation – 2013
• Installation of New LFG Flare – 2014
• LFG System Remediation – 2014/2015
• Cell 10A Construction – 2016
• IREP Compost Relocation - 2016
• LFG System Expansion - 2016
LFG System Remediation - 2013
LFG Flare Installation - 2014
LFG System Remediation - 2014
Cell 10A Construction - 2016
Construction Challenges

• Relocate waste to reach subgrade
• De-watering, muck excavation, and backfill
• Liner tie-ins with previous cells
• Maintaining traffic to C/D disposal area
• Manage Leachate
• Accelerated construction schedule
Cell 10A Construction - 2016
Composite Liner

6" Protective Soil Layer

12" Drainage Layer

12" Compacted Clay Layer (1X10 cm/sec)

Structural Fill As Required

Double Sided Geocomposite Drainage Layer
HDPE 60 Mil Textured Liner
Geosynthetic Clay Liner

Detail For Liner System Construction
De-watering
Cell 10A Construction - Subgrade
Tie-in to Existing Cells
Maintain Traffic
IREP Compost Disposal
LFG System Expansion - 2016