

01471AA LLWR Capping Planning
Summary of Material Volumes
15 February 2011

Notes: Tables should be read in conjunction with 01471AA_X_003G_JMB-ESCprogramme and Drawings D-01 to D-09 Rev B issued 11 February 2011
All volumes are given to the nearest 10,000m3

Profiling Fill

| Phase | Activity | Profiling Fill Required m3 | Available Profiling Fill Material m3 | Source of Available Profiling Fill Material | Imported Profiling Fill Material m3 | Profiling Fill Material Stockpile at end of phase m3 |
|--------------|-------------------------|----------------------------|--------------------------------------|---|-------------------------------------|--|
| 1 | Site Preparation | 50,000 | 120,000 | Mound 1, Mound 2 | 0 | 70,000 |
| 2 | Cap V8 & Construct V10 | 240,000 | 160,000 | Mound 1, Excavation V9A, Excavation V10 | 70,000 | 0 |
| 3 | Cap V9 & Construct V11 | 90,000 | 40,000 | Excavation V11 | 50,000 | 0 |
| 4 | Cap V10 & Construct V12 | 80,000 | 60,000 | Excavation V12 | 20,000 | 0 |
| 5 | Cap V11 & Construct V13 | 50,000 | 70,000 | Excavation V13 | 20,000 | 40,000 |
| 6 | Cap V12 | 30,000 | 40,000 | Stockpile from Excavation V13 | 20,000 | 20,000 |
| 7 | Cap V13 & Construct V14 | 130,000 | 130,000 | Stockpile from Excavation V13, Excavation V14, Excavation CoW | 20,000 | 30,000 |
| 8 | Cap V14 | 50,000 | 30,000 | Stockpile from Excavation V13, Excavation CoW | 30,000 | 0 |
| TOTAL | | 720,000 | | | 230,000 | |

3m Cap Material

| Phase | Activity | 3m Cap Material Required m3 | Available 3m Cap Material m3 | Source of Available 3m Cap Material | Imported 3m Cap Material m3 | 3m cap Material Stockpile at end of phase m3 |
|--------------|-------------------------|-----------------------------|------------------------------|-------------------------------------|-----------------------------|--|
| 1 | Site Preparation | 80,000 | 0 | n/a | 80,000 | 0 |
| 2 | Cap V8 & Construct V10 | 270,000 | 0 | n/a | 270,000 | 0 |
| 3 | Cap V9 & Construct V11 | 210,000 | 0 | n/a | 210,000 | 0 |
| 4 | Cap V10 & Construct V12 | 160,000 | 0 | n/a | 160,000 | 0 |
| 5 | Cap V11 & Construct V13 | 110,000 | 0 | n/a | 110,000 | 0 |
| 6 | Cap V12 | 120,000 | 0 | n/a | 120,000 | 0 |
| 7 | Cap V13 & Construct V14 | 220,000 | 0 | n/a | 220,000 | 0 |
| 8 | Cap V14 | 120,000 | 0 | n/a | 120,000 | 0 |
| TOTAL | | 1,290,000 | | | 1,290,000 | |

Profiling Fill & 3m Cap

| Phase | Activity | Total Material Required m3 | Available Material m3 | Source of Available Material | Total Imported Material m3 | Total Material Stockpile at end of phase m3 |
|--------------|-------------------------|----------------------------|-----------------------|---|----------------------------|---|
| 1 | Site Preparation | 130,000 | 120,000 | Mound 1, Mound 2 | 80,000 | 70,000 |
| 2 | Cap V8 & Construct V10 | 500,000 | 160,000 | Mound 1, Excavation V9A, Excavation V10 | 340,000 | 0 |
| 3 | Cap V9 & Construct V11 | 300,000 | 40,000 | Excavation V11 | 260,000 | 0 |
| 4 | Cap V10 & Construct V12 | 240,000 | 60,000 | Excavation V12 | 180,000 | 0 |
| 5 | Cap V11 & Construct V13 | 170,000 | 70,000 | Excavation V13 | 130,000 | 40,000 |
| 6 | Cap V12 | 150,000 | 40,000 | Stockpile from Excavation V13 | 130,000 | 20,000 |
| 7 | Cap V13 & Construct V14 | 350,000 | 130,000 | Stockpile from Excavation V13, Excavation V14, Excavation CoW | 240,000 | 30,000 |
| 8 | Cap V14 | 170,000 | 30,000 | Stockpile from Excavation V13, Excavation CoW | 140,000 | 0 |
| TOTAL | | 2,010,000 | | | 1,500,000 | |