

**Section 12 Appendix 12.10**  
**Peak Construction**  
**Employee Numbers**

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|                                      |                      |                      |                                                  |       |        |               | Year / Quarter        | 01-Mar-15               | 01-Apr-15 | 01-May-15 | 01-Jun-15 | 01-Jul-15 | 01-Aug-15 | 01-Sep-15 | 01-Oct-15 | 01-Nov-15 | 01-Dec-15 | 01-Jan-16 | 01-Feb-16 | 01-Mar-16 | 01-Apr-16 | 01-May-16 | 01-Jun-16 | 01-Jul-16 | 01-Aug-16 | 01-Sep-16 | 01-Oct-16 |
|--------------------------------------|----------------------|----------------------|--------------------------------------------------|-------|--------|---------------|-----------------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Resource ID Name                     | Maps to Matt Parsons | Maps to Matt Parsons | Activity Name                                    | Start | Finish | Person Months | Workforce Description | Month 1                 | Month 2   | Month 3   | Month 4   | Month 5   | Month 6   | Month 7   | Month 8   | Month 9   | Month 10  | Month 11  | Month 12  | Month 13  | Month 14  | Month 15  | Month 16  | Month 17  | Month 18  | Month 19  | Month 20  |
| GENSS.General Labour Shaft Sinking   | Mine                 | Shaft Sinking        | Shaft Sinking Summary - Labour                   |       |        | 18737         | Mine - Shaft Sinking  | 0                       | 0         | 0         | 0         | 146       | 156       | 206       | 226       | 286       | 326       | 374       | 374       | 418       | 418       | 418       | 418       | 418       | 418       | 418       | 418       |
| GENWLF.General Labour Welfare        | Mine                 | Civils               | Construct Welfare Buildings - Labour             |       |        | 1060          | Mine - Civils         | 0                       | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENSPD.General Labour SitePrep/Drift | Mine                 | Civils               | Site Preparation - Shaft Pads and Ponds - Labour |       |        | 240           | Mine - Civils         | 65                      | 41        | 39        | 41        | 55        | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENSPD.General Labour SitePrep/Drift | Mine                 | Civils               | Site Preparation - Shaft Pads and Ponds - Labour |       |        | 160           | Mine - Civils         | 43                      | 39        | 37        | 30        | 12        | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENSPD.General Labour SitePrep/Drift | Mine                 | Civils               | Site preparation works - MHP - Labour            |       |        | 120           | Mine - Civils         | 0                       | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 20        |
| GENIND.General Labour Indirect       | Mine                 | Site Services        | Overall Construction Phase - Indirect Labour     |       |        | 5011          | Mine - Site Services  | 27                      | 20        | 19        | 18        | 53        | 39        | 52        | 57        | 72        | 82        | 94        | 94        | 105       | 105       | 105       | 105       | 105       | 105       | 105       | 110       |
| Total Mine                           |                      |                      |                                                  |       |        | 25328         |                       | 134                     | 99        | 95        | 89        | 265       | 195       | 258       | 283       | 358       | 408       | 468       | 468       | 523       | 523       | 523       | 523       | 523       | 523       | 523       | 548       |
| GENCIV.General Labour Civils         | MHF                  | Civils               | Construct Port MHF - Civils & SMPEI Labour       |       |        | 0             | MHF - Civils          | 0                       | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENMEI.General Labour ME&I           | MHF                  | M&E                  | Construct Port MHF - Civils & SMPEI Labour       |       |        | 0             | MHF - M&E             | 0                       | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| TOTAL MHF                            |                      |                      |                                                  |       |        | 4477          |                       | 0                       | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 29        | 38        | 84        | 147       | 189       | 252       | 252       | 252       |
| GENPOR.General Labour Port           | Dredging             | Civils               | Construct Port Marine - Dredging - Labour        |       |        | 0             | Dredging - Civils     | 0                       | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENPOR.General Labour Port           | Port                 | Civils               | Construct Port Marine - Berth + Storage - Labour |       |        | 0             | Port - Civils         | 0                       | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENIND.General Labour Indirect       | Port                 | Site Services        | Overall Construction Phase - Indirect Labour     |       |        | 0             | Port - Site Services  | 0                       | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| TOTAL PORT                           |                      |                      |                                                  |       |        | 2070          |                       | 0                       | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| MTS (Arup estimate 20/02/14)         | MTS                  | Supervisory          | MTS Supervisory                                  |       |        | 3257          | MTS - Supervisory     | 0                       | 0         | 0         | 0         | 0         | 20        | 20        | 20        | 42        | 42        | 54        | 106       | 106       | 106       | 106       | 106       | 125       | 143       | 143       | 143       |
| MTS (Arup estimate 20/02/14)         | MTS                  | Site Support         | MTS Site Support                                 |       |        | 835           | MTS - Site Support    | 0                       | 0         | 0         | 0         | 0         | 15        | 15        | 15        | 15        | 15        | 16        | 20        | 20        | 20        | 20        | 20        | 25        | 30        | 30        | 30        |
| MTS (Arup estimate 20/02/14)         | MTS                  | Operative            | MTS Operative                                    |       |        | 8737          | MTS - Operative       | 10                      | 50        | 50        | 50        | 50        | 75        | 75        | 75        | 75        | 75        | 90        | 174       | 174       | 186       | 198       | 198       | 256       | 326       | 326       | 350       |
| Total MTS                            |                      |                      |                                                  |       |        | 12829         |                       | 10                      | 50        | 50        | 50        | 50        | 110       | 110       | 110       | 132       | 132       | 160       | 300       | 300       | 312       | 324       | 324       | 406       | 499       | 499       | 523       |
|                                      |                      |                      |                                                  |       |        | Totals        | 44704                 | Total Loading per Month | 144       | 149       | 145       | 139       | 315       | 305       | 368       | 393       | 490       | 540       | 628       | 768       | 852       | 872       | 931       | 994       | 1118      | 1274      | 1323      |

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Peak employee numbers per site

|                                      |                      |                      |                                                  | 01-Nov-16 | 01-Dec-16 | 01-Jan-17 | 01-Feb-17 | 01-Mar-17 | 01-Apr-17 | 01-May-17 | 01-Jun-17 | 01-Jul-17 | 01-Aug-17 | 01-Sep-17 | 01-Oct-17 | 01-Nov-17 | 01-Dec-17 | 01-Jan-18 | 01-Feb-18 | 01-Mar-18 | 01-Apr-18 | 01-May-18 | 01-Jun-18 | 01-Jul-18 | 01-Aug-18 | 01-Sep-18 | 01-Oct-18 | 01-Nov-18 | 01-Dec-18 | 01-Jan-19 |
|--------------------------------------|----------------------|----------------------|--------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Resource ID Name                     | Maps to Matt Parsons | Maps to Matt Parsons | Activity Name                                    | Month 21  | Month 22  | Month 23  | Month 24  | Month 25  | Month 26  | Month 27  | Month 28  | Month 29  | Month 30  | Month 31  | Month 32  | Month 33  | Month 34  | Month 35  | Month 36  | Month 37  | Month 38  | Month 39  | Month 40  | Month 41  | Month 42  | Month 43  | Month 44  | Month 45  | Month 46  | Month 47  |
| GENSS.General Labour Shaft Sinking   | Mine                 | Shaft Sinking        | Shaft Sinking Summary - Labour                   | 418       | 418       | 418       | 418       | 418       | 418       | 418       | 418       | 418       | 418       | 418       | 418       | 418       | 418       | 418       | 418       | 418       | 418       | 421       | 343       | 374       | 374       | 374       | 374       | 373       | 373       | 299       |
| GENWLF.General Labour Welfare        | Mine                 | Civils               | Construct Welfare Buildings - Labour             | 0         | 0         | 7         | 64        | 68        | 87        | 94        | 97        | 98        | 93        | 97        | 95        | 93        | 76        | 51        | 38        | 1         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENSPD.General Labour SitePrep/Drift | Mine                 | Civils               | Site Preparation - Shaft Pads and Ponds - Labour | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENSPD.General Labour SitePrep/Drift | Mine                 | Civils               | Site Preparation - Shaft Pads and Ponds - Labour | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENSPD.General Labour SitePrep/Drift | Mine                 | Civils               | Site preparation works - MHP - Labour            | 20        | 20        | 20        | 20        | 20        | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENIND.General Labour Indirect       | Mine                 | Site Services        | Overall Construction Phase - Indirect Labour     | 110       | 110       | 111       | 125       | 127       | 126       | 128       | 129       | 129       | 128       | 129       | 128       | 128       | 123       | 117       | 114       | 105       | 105       | 105       | 86        | 86        | 86        | 86        | 86        | 86        | 86        | 67        |
| Total Mine                           |                      |                      |                                                  | 548       | 548       | 557       | 627       | 633       | 632       | 641       | 644       | 645       | 638       | 643       | 641       | 639       | 617       | 587       | 570       | 523       | 523       | 526       | 429       | 460       | 460       | 460       | 460       | 459       | 459       | 366       |
| GENCIV.General Labour Civils         | MHF                  | Civils               | Construct Port MHF - Civils & SMPEI Labour       | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENMEI.General Labour ME&I           | MHF                  | M&E                  | Construct Port MHF - Civils & SMPEI Labour       | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| TOTAL MHF                            |                      |                      |                                                  | 252       | 252       | 252       | 252       | 252       | 252       | 252       | 189       | 189       | 189       | 147       | 147       | 126       | 126       | 126       | 84        | 29        | 29        | 29        | 29        | 29        | 29        | 0         | 0         | 0         | 0         | 0         |
| GENPOR.General Labour Port           | Dredging             | Civils               | Construct Port Marine - Dredging - Labour        | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENPOR.General Labour Port           | Port                 | Civils               | Construct Port Marine - Berth + Storage - Labour | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENIND.General Labour Indirect       | Port                 | Site Services        | Overall Construction Phase - Indirect Labour     | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| TOTAL PORT                           |                      |                      |                                                  | 0         | 0         | 0         | 0         | 20        | 80        | 95        | 145       | 175       | 175       | 150       | 165       | 165       | 165       | 135       | 135       | 135       | 135       | 115       | 60        | 20        | 0         | 0         | 0         | 0         | 0         | 0         |
| MTS (Arup estimate 20/02/14)         | MTS                  | Supervisory          | MTS Supervisory                                  | 161       | 161       | 197       | 197       | 197       | 167       | 137       | 137       | 136       | 135       | 135       | 83        | 23        | 23        | 18        | 12        | 12        | 12        | 12        | 12        | 8         | 0         | 0         | 0         | 0         | 0         | 0         |
| MTS (Arup estimate 20/02/14)         | MTS                  | Site Support         | MTS Site Support                                 | 35        | 35        | 45        | 45        | 45        | 39        | 33        | 33        | 33        | 33        | 33        | 27        | 15        | 15        | 12        | 9         | 9         | 9         | 9         | 9         | 6         | 0         | 0         | 0         | 0         | 0         | 0         |
| MTS (Arup estimate 20/02/14)         | MTS                  | Operative            | MTS Operative                                    | 408       | 408       | 524       | 524       | 524       | 460       | 390       | 390       | 378       | 366       | 366       | 296       | 156       | 156       | 120       | 72        | 72        | 72        | 72        | 72        | 48        | 0         | 0         | 0         | 0         | 0         | 0         |
| Total MTS                            |                      |                      |                                                  | 604       | 604       | 766       | 766       | 766       | 666       | 560       | 560       | 547       | 534       | 534       | 406       | 194       | 194       | 150       | 93        | 93        | 93        | 93        | 93        | 62        | 0         | 0         | 0         | 0         | 0         | 0         |
|                                      |                      |                      |                                                  | 1404      | 1404      | 1575      | 1645      | 1671      | 1630      | 1548      | 1538      | 1556      | 1536      | 1474      | 1359      | 1124      | 1102      | 998       | 882       | 781       | 780       | 764       | 611       | 571       | 460       | 460       | 460       | 459       | 459       | 366       |

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Peak employee numbers per site

|                                      |                      |                      |                                                  | 01-Feb-19 | 01-Mar-19 | 01-Apr-19 | 01-May-19 | 01-Jun-19 | 01-Jul-19 | 01-Aug-19 | 01-Sep-19 | 01-Oct-19 | 01-Nov-19 | 01-Dec-19 |
|--------------------------------------|----------------------|----------------------|--------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Resource ID Name                     | Maps to Matt Parsons | Maps to Matt Parsons | Activity Name                                    | Month 48  | Month 49  | Month 50  | Month 51  | Month 52  | Month 53  | Month 54  | Month 55  | Month 56  | Month 57  | Month 58  |
| GENSS.General Labour Shaft Sinking   | Mine                 | Shaft Sinking        | Shaft Sinking Summary - Labour                   | 299       | 371       | 200       | 200       | 200       | 200       | 200       | 200       | 200       | 200       | 200       |
| GENWLF.General Labour Welfare        | Mine                 | Civils               | Construct Welfare Buildings - Labour             | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENSPD.General Labour SitePrep/Drift | Mine                 | Civils               | Site Preparation - Shaft Pads and Ponds - Labour | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENSPD.General Labour SitePrep/Drift | Mine                 | Civils               | Site Preparation - Shaft Pads and Ponds - Labour | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENSPD.General Labour SitePrep/Drift | Mine                 | Civils               | Site preparation works - MHP - Labour            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENIND.General Labour Indirect       | Mine                 | Site Services        | Overall Construction Phase - Indirect Labour     | 67        | 85        | 50        | 50        | 50        | 50        | 50        | 50        | 50        | 50        | 50        |
| Total Mine                           |                      |                      |                                                  | 366       | 456       | 250       | 250       | 250       | 250       | 250       | 250       | 250       | 250       | 250       |
| GENCIV.General Labour Civils         | MHF                  | Civils               | Construct Port MHF - Civils & SMPEI Labour       | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENMEI.General Labour ME&I           | MHF                  | M&E                  | Construct Port MHF - Civils & SMPEI Labour       | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| TOTAL MHF                            |                      |                      |                                                  | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENPOR.General Labour Port           | Dredging             | Civils               | Construct Port Marine - Dredging - Labour        | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENPOR.General Labour Port           | Port                 | Civils               | Construct Port Marine - Berth + Storage - Labour | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| GENIND.General Labour Indirect       | Port                 | Site Services        | Overall Construction Phase - Indirect Labour     | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| TOTAL PORT                           |                      |                      |                                                  | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| MTS (Arup estimate 20/02/14)         | MTS                  | Supervisory          | MTS Supervisory                                  | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| MTS (Arup estimate 20/02/14)         | MTS                  | Site Support         | MTS Site Support                                 | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| MTS (Arup estimate 20/02/14)         | MTS                  | Operative            | MTS Operative                                    | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| Total MTS                            |                      |                      |                                                  | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
|                                      |                      |                      |                                                  | 366       | 456       | 250       | 250       | 250       | 250       | 250       | 250       | 250       | 250       | 250       |

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Peak employee numbers per site

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