



## SIRIUS REMEDIATION LTD

### DAILY GROUTING RETURN

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. SDS2544 Contract Name: Goldthorpe

Date: 15/05/2014 Client: Gleeson

Sheet: 2 of 3 Working Day No 19

| Hole No.              | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks      | Crew Details              |            |             |               |  |
|-----------------------|-----------|-------------|---------|--------|------|--------|-------------|--------------|---------------------------|------------|-------------|---------------|--|
|                       |           |             |         |        |      |        |             |              | Item                      | Quant      | Ticket No.  |               |  |
| AA8                   |           |             | 0.12    | 0.01   |      |        | 0.13        | Full         |                           |            |             |               |  |
| U4                    |           |             | 1.92    | 0.16   |      |        | 2.08        | Full         |                           |            |             |               |  |
| U5                    |           |             | 2.40    | 0.20   |      |        | 2.60        | Full         |                           |            |             |               |  |
| U6                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full         | Materials Delivered Today |            |             |               |  |
| U7                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full         |                           |            |             |               |  |
| U8                    |           |             | 1.56    | 0.13   |      |        | 1.69        | Full         |                           |            |             |               |  |
| U9                    |           |             | 2.40    | 0.20   |      |        | 2.60        | Full         |                           |            |             |               |  |
| V4                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full         |                           |            |             |               |  |
| V5                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full         |                           |            |             |               |  |
| V6                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full         |                           |            |             |               |  |
| V7                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full         |                           |            |             |               |  |
| V8                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full         |                           |            |             |               |  |
| V9                    |           |             | 1.80    | 0.15   |      |        | 1.95        | Full         |                           |            |             |               |  |
| Y5                    |           |             | 3.60    | 0.30   |      |        | 3.90        | Still Taking |                           |            |             |               |  |
| Y6                    |           |             | 3.60    | 0.30   |      |        | 3.90        | Still Taking |                           |            |             |               |  |
| Z5                    |           |             | 3.00    | 0.25   |      |        | 3.25        | Still Taking |                           |            |             |               |  |
| <b>Total Used</b>     |           |             | 21.24   | 1.77   | 0.00 | 0.00   | 23.01       |              | <b>PFA</b>                | <b>OPC</b> | <b>Sand</b> | <b>Gravel</b> |  |
| <b>Previous Total</b> |           |             | 1256.04 | 104.67 | 0.00 | 0.00   | 1360.71     |              |                           |            |             |               |  |
| <b>Total to Date</b>  |           |             | 1277.28 | 106.44 | 0.00 | 0.00   | 1383.72     |              |                           |            |             |               |  |
|                       |           |             |         |        |      |        |             |              | Today                     |            |             |               |  |
|                       |           |             |         |        |      |        |             |              | Previous                  |            |             |               |  |
|                       |           |             |         |        |      |        |             |              | Total Delivered           |            |             |               |  |
|                       |           |             |         |        |      |        |             |              | Total Used                |            |             |               |  |
|                       |           |             |         |        |      |        |             |              | Stock on Site             |            |             |               |  |

Signed by SDS

Date: 15/05/2014

Signed by Client

Date:





## SIRIUS REMEDIATION LTD

### DAILY GROUTING RETURN

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. SDS2544 Contract Name: Goldthorpe

Date: 16/05/2014 Client: Gleeson

Sheet: 1 of 6 Working Day No 20

| Hole No.              | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks         | Crew Details              |           |            |        |      |
|-----------------------|-----------|-------------|---------|--------|------|--------|-------------|-----------------|---------------------------|-----------|------------|--------|------|
|                       |           |             |         |        |      |        |             |                 | D Lyman                   | J Benfold | S Woodhall |        |      |
| W4                    |           |             | 0.84    | 0.07   |      |        | 0.91        | Full            | A Everitt                 |           |            |        |      |
| W5                    |           |             | 0.48    | 0.04   |      |        | 0.52        | Full            |                           |           |            |        |      |
| W6                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            |                           |           |            |        |      |
| W7                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            |                           |           |            |        |      |
| W8                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            | Materials Delivered Today |           |            |        |      |
| X4                    |           |             | 1.20    | 0.10   |      |        | 1.30        | Full            | Item                      | Quant     | Ticket No. |        |      |
| X5                    |           |             | 0.72    | 0.06   |      |        | 0.78        | Full            | PFA                       | 18.84     | 700629     |        |      |
| X6                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            | PFA                       | 18.84     | 700640     |        |      |
| X7                    |           |             | 0.60    | 0.05   |      |        | 0.65        | Full            | PFA                       | 18.68     | 700699     |        |      |
| X8                    |           |             | 1.08    | 0.09   |      |        | 1.17        | Full            | PFA                       | 18.02     | 700738     |        |      |
| Y4                    |           |             | 0.48    | 0.04   |      |        | 0.52        | Full            |                           |           |            |        |      |
| Y5                    |           |             | 0.60    | 0.05   |      |        | 0.65        | Full            | OPC                       | 27.00     | #####      |        |      |
| Y6                    |           |             | 0.60    | 0.05   |      |        | 0.65        | Full            |                           |           |            |        |      |
| Y7                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            |                           |           |            |        |      |
| Y8                    |           |             | 0.96    | 0.08   |      |        | 1.04        | Full            |                           |           |            |        |      |
| Z3                    |           |             | 0.72    | 0.06   |      |        | 0.78        | Full            |                           |           |            |        |      |
| W9                    |           |             | 0.24    | 0.02   |      |        | 0.26        | Full            |                           |           |            |        |      |
| <b>Total Used</b>     |           |             | 9.12    | 0.76   | 0.00 | 0.00   | 9.88        |                 | PFA                       | OPC       | Sand       | Gravel |      |
|                       |           |             |         |        |      |        |             | Today           | 74.38                     | 27.00     |            |        |      |
| <b>Previous Total</b> |           |             | 1289.28 | 107.44 | 0.00 | 0.00   | 1396.72     |                 | 1310.74                   | 107.50    | 0.00       | 0.00   |      |
|                       |           |             |         |        |      |        |             | Total Delivered | 1385.12                   | 134.50    | 0.00       | 0.00   |      |
| <b>Total to Date</b>  |           |             | 1298.40 | 108.20 | 0.00 | 0.00   | 1406.60     |                 | Total Used                | 1298.40   | 108.20     | 0.00   | 0.00 |
|                       |           |             |         |        |      |        |             | Stock on Site   | 86.72                     | 26.30     | 0.00       | 0.00   |      |

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## SIRIUS REMEDIATION LTD

### DAILY GROUTING RETURN

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. SDS2544 Contract Name: Goldthorpe

Date: 16/05/2014 Client: Gleeson

Sheet: 2 of 6 Working Day No 20

| Hole No.              | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks | Crew Details              |            |             |               |  |
|-----------------------|-----------|-------------|---------|--------|------|--------|-------------|---------|---------------------------|------------|-------------|---------------|--|
|                       |           |             |         |        |      |        |             |         | Item                      | Quant      | Ticket No.  |               |  |
| Z4                    |           |             | 0.60    | 0.05   |      |        | 0.65        | Full    |                           |            |             |               |  |
| Z5                    |           |             | 0.48    | 0.04   |      |        | 0.52        | Full    |                           |            |             |               |  |
| Z6                    |           |             | 0.96    | 0.08   |      |        | 1.04        | Full    |                           |            |             |               |  |
| Z7                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full    |                           |            |             |               |  |
| AA3                   |           |             | 0.12    | 0.01   |      |        | 0.13        | Full    | Materials Delivered Today |            |             |               |  |
| AA4                   |           |             | 0.12    | 0.01   |      |        | 0.13        | Full    |                           |            |             |               |  |
| AA5                   |           |             | 0.36    | 0.03   |      |        | 0.39        | Full    |                           |            |             |               |  |
| AA6                   |           |             | 0.60    | 0.05   |      |        | 0.65        | Full    |                           |            |             |               |  |
| AA7                   |           |             | 0.36    | 0.03   |      |        | 0.39        | Full    |                           |            |             |               |  |
| AB1                   |           |             | 0.12    | 0.01   |      |        | 0.13        | Full    |                           |            |             |               |  |
| AC1                   |           |             | 0.12    | 0.01   |      |        | 0.13        | Full    |                           |            |             |               |  |
| AD1                   |           |             | 0.12    | 0.01   |      |        | 0.13        | Full    |                           |            |             |               |  |
| AE1                   |           |             | 0.12    | 0.01   |      |        | 0.13        | Full    |                           |            |             |               |  |
| AF1                   |           |             | 1.44    | 0.12   |      |        | 1.56        | Full    |                           |            |             |               |  |
| AG1                   |           |             | 0.84    | 0.07   |      |        | 0.91        | Full    |                           |            |             |               |  |
| AH1                   |           |             | 0.12    | 0.01   |      |        | 0.13        | Full    |                           |            |             |               |  |
|                       |           |             |         |        |      |        |             |         |                           |            |             |               |  |
| <b>Total Used</b>     |           |             | 6.60    | 0.55   | 0.00 | 0.00   | 7.15        |         | <b>PFA</b>                | <b>OPC</b> | <b>Sand</b> | <b>Gravel</b> |  |
| <b>Previous Total</b> |           |             | 1298.40 | 108.20 | 0.00 | 0.00   | 1406.60     |         |                           |            |             |               |  |
| <b>Total to Date</b>  |           |             | 1305.00 | 108.75 | 0.00 | 0.00   | 1413.75     |         |                           |            |             |               |  |
|                       |           |             |         |        |      |        |             |         | Today                     |            |             |               |  |
|                       |           |             |         |        |      |        |             |         | Previous                  |            |             |               |  |
|                       |           |             |         |        |      |        |             |         | Total Delivered           |            |             |               |  |
|                       |           |             |         |        |      |        |             |         | Total Used                |            |             |               |  |
|                       |           |             |         |        |      |        |             |         | Stock on Site             |            |             |               |  |

Signed by SDS

Date: 16/05/2014

Signed by Client

Date:





## SIRIUS REMEDIATION LTD

### DAILY GROUTING RETURN

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. SDS2544 Contract Name: Goldthorpe

Date: 16/05/2014 Client: Gleeson

Sheet: 4 of 6 Working Day No 20

| Hole No.              | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks | Crew Details              |            |             |               |  |
|-----------------------|-----------|-------------|---------|--------|------|--------|-------------|---------|---------------------------|------------|-------------|---------------|--|
|                       |           |             |         |        |      |        |             |         | Item                      | Quant      | Ticket No.  |               |  |
| AI7                   |           |             | 1.20    | 0.10   |      |        | 1.30        | Full    |                           |            |             |               |  |
| AJ7                   |           |             | 0.96    | 0.08   |      |        | 1.04        | Full    |                           |            |             |               |  |
| AK7                   |           |             | 0.12    | 0.01   |      |        | 0.13        | Full    |                           |            |             |               |  |
| AB6                   |           |             | 0.60    | 0.05   |      |        | 0.65        | Full    | Materials Delivered Today |            |             |               |  |
| AC6                   |           |             | 1.56    | 0.13   |      |        | 1.69        | Full    |                           |            |             |               |  |
| AD6                   |           |             | 0.72    | 0.06   |      |        | 0.78        | Full    |                           |            |             |               |  |
| AE6                   |           |             | 1.08    | 0.09   |      |        | 1.17        | Full    |                           |            |             |               |  |
| AF6                   |           |             | 1.44    | 0.12   |      |        | 1.56        | Full    |                           |            |             |               |  |
| AG6                   |           |             | 1.08    | 0.09   |      |        | 1.17        | Full    |                           |            |             |               |  |
| AH6                   |           |             | 1.80    | 0.15   |      |        | 1.95        | Full    |                           |            |             |               |  |
| AI6                   |           |             | 0.96    | 0.08   |      |        | 1.04        | Full    |                           |            |             |               |  |
| AJ6                   |           |             | 0.84    | 0.07   |      |        | 0.91        | Full    |                           |            |             |               |  |
| AK6                   |           |             | 1.32    | 0.11   |      |        | 1.43        | Full    |                           |            |             |               |  |
| AB5                   |           |             | 0.12    | 0.01   |      |        | 0.13        | Full    |                           |            |             |               |  |
| AC5                   |           |             | 1.68    | 0.14   |      |        | 1.82        | Full    |                           |            |             |               |  |
| AD5                   |           |             | 1.20    | 0.10   |      |        | 1.30        | Full    |                           |            |             |               |  |
| AJ5                   |           |             | 0.72    | 0.06   |      |        | 0.78        | Full    |                           |            |             |               |  |
| <b>Total Used</b>     |           |             | 17.40   | 1.45   | 0.00 | 0.00   | 18.85       |         | <b>PFA</b>                | <b>OPC</b> | <b>Sand</b> | <b>Gravel</b> |  |
| <b>Previous Total</b> |           |             | 1311.60 | 109.30 | 0.00 | 0.00   | 1420.90     |         |                           |            |             |               |  |
| <b>Total to Date</b>  |           |             | 1329.00 | 110.75 | 0.00 | 0.00   | 1439.75     |         |                           |            |             |               |  |
|                       |           |             |         |        |      |        |             |         | Today                     |            |             |               |  |
|                       |           |             |         |        |      |        |             |         | Previous                  |            |             |               |  |
|                       |           |             |         |        |      |        |             |         | Total Delivered           |            |             |               |  |
|                       |           |             |         |        |      |        |             |         | Total Used                |            |             |               |  |
|                       |           |             |         |        |      |        |             |         | Stock on Site             |            |             |               |  |

Signed by SDS

Date: 16/05/2014

Signed by Client

Date:





## SIRIUS REMEDIATION LTD

### DAILY GROUTING RETURN

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. SDS2544 Contract Name: Goldthorpe

Date: 16/05/2014 Client: Gleeson

Sheet: 6 of 6 Working Day No 20

| Hole No.   | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks                | Crew Details              |            |             |               |      |
|--|-----------|-------------|---------|--------|------|--------|-------------|------------------------|---------------------------|------------|-------------|---------------|------|
| AF3  |           |             | 2.40    | 0.20   |      |        | 2.60        | Full                   |                           |            |             |               |      |
| AG3  |           |             | 4.20    | 0.35   |      |        | 4.55        | Full                   |                           |            |             |               |      |
| AH3  |           |             | 3.60    | 0.30   |      |        | 3.90        | Full                   |                           |            |             |               |      |
| AI3  |           |             | 4.80    | 0.40   |      |        | 5.20        | Full                   |                           |            |             |               |      |
| Shaft 1.1  |           |             |         |        |      |        |             |                        | Materials Delivered Today |            |             |               |      |
|  | 21.00     |             | 0.09    | 0.01   |      |        | 0.10        | Full                   | Item                      | Quant      | Ticket No.  |               |      |
|  | 16.00     |             | 0.27    | 0.03   |      |        | 0.30        | Full                   |                           |            |             |               |      |
|  | 14.50     |             | 0.18    | 0.02   |      |        | 0.20        | Full                   |                           |            |             |               |      |
|  | 13.00     |             | 0.36    | 0.04   |      |        | 0.40        | Full                   |                           |            |             |               |      |
|  | 11.50     |             | 0.27    | 0.03   |      |        | 0.30        | Full                   |                           |            |             |               |      |
|  | 10.00     |             | 0.18    | 0.02   |      |        | 0.20        | Full                   |                           |            |             |               |      |
|  | 8.50      |             | 0.27    | 0.03   |      |        | 0.30        | Full                   |                           |            |             |               |      |
|  | 7.00      |             | 0.18    | 0.02   |      |        | 0.20        | Full                   |                           |            |             |               |      |
|  | 5.50      |             | 0.18    | 0.02   |      |        | 0.20        | Full                   |                           |            |             |               |      |
|  | 4.00      |             | 0.09    | 0.01   |      |        | 0.10        | Full                   |                           |            |             |               |      |
|  | 2.5-GL    |             | 0.09    | 0.01   |      |        | 0.10        | Full                   |                           |            |             |               |      |
| Grouted in 1.5m lifts, grout injected under pressure |           |             |         |        |      |        |             |                        |                           |            |             |               |      |
| <b>Total Used</b>                                    |           |             | 17.16   | 1.49   | 0.00 | 0.00   | 18.65       |                        | <b>PFA</b>                | <b>OPC</b> | <b>Sand</b> | <b>Gravel</b> |      |
|  |           |             |         |        |      |        |             | <b>Today</b>           | 74.38                     | 27.00      | 0.00        | 0.00          |      |
| <b>Previous Total</b>                                |           |             | 1356.36 | 113.03 | 0.00 | 0.00   | 1469.39     |                        | <b>Previous</b>           | 1310.74    | 107.50      | 0.00          | 0.00 |
|  |           |             |         |        |      |        |             | <b>Total Delivered</b> | 1385.12                   | 134.50     | 0.00        | 0.00          |      |
| <b>Total to Date</b>                                 |           |             | 1373.52 | 114.52 | 0.00 | 0.00   | 1488.04     |                        | <b>Total Used</b>         | 1373.52    | 114.52      | 0.00          | 0.00 |
|  |           |             |         |        |      |        |             | <b>Stock on Site</b>   | 11.60                     | 19.98      | 0.00        | 0.00          |      |

Signed by SDS

Date: 16/05/2014

Signed by Client

Date:



## SIRIUS REMEDIATION LTD

### DAILY GROUTING RETURN

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. SDS2544 Contract Name: Goldthorpe

Date: 19/05/2014 Client: Gleasons

Sheet: 1 of 7 Working Day No 21

| Hole No.              | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks      | Crew Details              |            |             |               |
|-----------------------|-----------|-------------|---------|--------|------|--------|-------------|--------------|---------------------------|------------|-------------|---------------|
|                       |           |             |         |        |      |        |             |              | D Lyman                   | J Benfold  | S Woodhall  |               |
| AJ8                   |           |             | 1.80    | 0.15   |      |        | 1.95        | Still Taking | D Harrod                  |            |             |               |
| AK8                   |           |             | 0.48    | 0.04   |      |        | 0.52        | Still Taking |                           |            |             |               |
| AJ12                  |           |             | 1.08    | 0.09   |      |        | 1.17        | Still Taking |                           |            |             |               |
| AH9                   |           |             | 1.44    | 0.12   |      |        | 1.56        | Full         | Materials Delivered Today |            |             |               |
| A7                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full         |                           |            |             |               |
| A8                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full         | Item                      | Quant      | Ticket No.  |               |
| A9                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full         | PFA                       | 17.70      | 701028      |               |
| B7                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full         | PFA                       | 17.16      | 700947      |               |
| B8                    |           |             | 1.80    | 0.15   |      |        | 1.95        | Full         | PFA                       | 17.42      | 701042      |               |
| B9                    |           |             | 1.20    | 0.10   |      |        | 1.30        | Full         | PFA                       | 17.18      | 700941      |               |
| C7                    |           |             | 0.84    | 0.07   |      |        | 0.91        | Full         |                           |            |             |               |
| C8                    |           |             | 2.40    | 0.20   |      |        | 2.60        | Full         |                           |            |             |               |
| D7                    |           |             | 1.32    | 0.11   |      |        | 1.43        | Full         |                           |            |             |               |
| D8                    |           |             | 1.08    | 0.09   |      |        | 1.17        | Full         |                           |            |             |               |
| E7                    |           |             | 0.60    | 0.05   |      |        | 0.65        | Full         |                           |            |             |               |
| E8                    |           |             | 0.60    | 0.05   |      |        | 0.65        | Full         |                           |            |             |               |
| <b>Total Used</b>     |           |             | 15.12   | 1.26   | 0.00 | 0.00   | 16.38       |              | <b>PFA</b>                | <b>OPC</b> | <b>Sand</b> | <b>Gravel</b> |
| <b>Previous Total</b> |           |             | 1373.40 | 114.51 | 0.00 | 0.00   | 1487.91     |              | 69.46                     |            |             |               |
| <b>Total to Date</b>  |           |             | 1388.52 | 115.77 | 0.00 | 0.00   | 1504.29     |              | 1385.12                   | 134.50     | 0.00        | 0.00          |
|                       |           |             |         |        |      |        |             |              | 1454.58                   | 134.50     | 0.00        | 0.00          |
|                       |           |             |         |        |      |        |             |              | 1388.52                   | 115.77     | 0.00        | 0.00          |
|                       |           |             |         |        |      |        |             |              | 66.06                     | 18.73      | 0.00        | 0.00          |

Signed by SDS

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### DAILY GROUTING RETURN

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. SDS2544 Contract Name: Goldthorpe

Date: 19/05/2014 Client: Gleasons

Sheet: 2 of 7 Working Day No 21

| Hole No.              | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks                | Crew Details              |            |             |               |
|-----------------------|-----------|-------------|---------|--------|------|--------|-------------|------------------------|---------------------------|------------|-------------|---------------|
|                       |           |             |         |        |      |        |             |                        | Item                      | Quant      | Ticket No.  |               |
| F7                    |           |             | 2.40    | 0.20   |      |        | 2.60        | Still Taking           |                           |            |             |               |
| F8                    |           |             | 1.80    | 0.15   |      |        | 1.95        | Still Taking           |                           |            |             |               |
| G7                    |           |             | 1.80    | 0.15   |      |        | 1.95        | Still Taking           |                           |            |             |               |
| G8                    |           |             | 2.40    | 0.20   |      |        | 2.60        | Still Taking           | Materials Delivered Today |            |             |               |
| H7                    |           |             | 1.80    | 0.15   |      |        | 1.95        | Still Taking           |                           |            |             |               |
| H8                    |           |             | 2.40    | 0.20   |      |        | 2.60        | Still Taking           |                           |            |             |               |
| I7                    |           |             | 3.00    | 0.25   |      |        | 3.25        | Still Taking           |                           |            |             |               |
| I8                    |           |             | 3.00    | 0.25   |      |        | 3.25        | Still Taking           |                           |            |             |               |
| I9                    |           |             | 3.00    | 0.25   |      |        | 3.25        | Still Taking           |                           |            |             |               |
| J7                    |           |             | 1.80    | 0.15   |      |        | 1.95        | Still Taking           |                           |            |             |               |
| J9                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full                   |                           |            |             |               |
| K7                    |           |             | 1.20    | 0.10   |      |        | 1.30        | Full                   |                           |            |             |               |
| K8                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full                   |                           |            |             |               |
| K9                    |           |             | 1.08    | 0.09   |      |        | 1.17        | Full                   |                           |            |             |               |
| L7                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full                   |                           |            |             |               |
| L8                    |           |             | 0.12    | 0.01   |      |        | 0.13        | Full                   |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
| <b>Total Used</b>     |           |             | 26.16   | 2.18   | 0.00 | 0.00   | 28.34       |                        | <b>PFA</b>                | <b>OPC</b> | <b>Sand</b> | <b>Gravel</b> |
| <b>Previous Total</b> |           |             | 1388.52 | 115.77 | 0.00 | 0.00   | 1504.29     | <b>Today</b>           |                           |            |             |               |
| <b>Total to Date</b>  |           |             | 1414.68 | 117.95 | 0.00 | 0.00   | 1532.63     | <b>Previous</b>        |                           |            |             |               |
|                       |           |             |         |        |      |        |             | <b>Total Delivered</b> |                           |            |             |               |
|                       |           |             |         |        |      |        |             | <b>Total Used</b>      |                           |            |             |               |
|                       |           |             |         |        |      |        |             | <b>Stock on Site</b>   |                           |            |             |               |

Signed by SDS

Date: 19/05/2014

Signed by Client

Date:



## SIRIUS REMEDIATION LTD

### DAILY GROUTING RETURN

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. SDS2544 Contract Name: Goldthorpe

Date: 19/05/2014 Client: Gleasons

Sheet: 3 of 7 Working Day No 21

| Hole No.   | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks         | Crew Details              |       |            |        |
|--|-----------|-------------|---------|--------|------|--------|-------------|-----------------|---------------------------|-------|------------|--------|
| Shaft 1.2  |           |             |         |        |      |        |             |                 |                           |       |            |        |
|  | 21.00     | }           | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |       |            |        |
|  | 16.00     |             |         |        |      |        |             | Full            |                           |       |            |        |
|  | 14.50     | }           | 0.09    | 0.01   |      |        | 0.10        | Full            | Materials Delivered Today |       |            |        |
|  | 13.00     |             |         |        |      |        |             | Full            |                           |       |            |        |
|  | 11.50     |             | 0.18    | 0.02   |      |        | 0.20        | Full            | Item                      | Quant | Ticket No. |        |
|  | 10.00     |             | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |       |            |        |
|  | 8.50      |             | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |       |            |        |
|  | 7.00      |             | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |       |            |        |
|  | 5.50      | }           | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |       |            |        |
|  | 4.00      |             |         |        |      |        |             | Full            |                           |       |            |        |
|  | 2.5-GL    |             |         |        |      |        |             | Full            |                           |       |            |        |
| Grouted in 1.5m lifts, grout injected under pressure |           |             |         |        |      |        |             |                 |                           |       |            |        |
|  |           |             |         |        |      |        |             |                 |                           |       |            |        |
|  |           |             |         |        |      |        |             |                 |                           |       |            |        |
|  |           |             |         |        |      |        |             |                 |                           |       |            |        |
| <b>Total Used</b>                                    |           |             | 0.72    | 0.08   | 0.00 | 0.00   | 0.80        |                 | PFA                       | OPC   | Sand       | Gravel |
| <b>Previous Total</b>                                |           |             | 1414.68 | 117.95 | 0.00 | 0.00   | 1532.63     | Today           |                           |       |            |        |
| <b>Total to Date</b>                                 |           |             | 1415.40 | 118.03 | 0.00 | 0.00   | 1533.43     | Previous        |                           |       |            |        |
|  |           |             |         |        |      |        |             | Total Delivered |                           |       |            |        |
|  |           |             |         |        |      |        |             | Total Used      |                           |       |            |        |
|  |           |             |         |        |      |        |             | Stock on Site   |                           |       |            |        |

Signed by SDS

Date: 19/05/2014

Signed by Client

Date:



## SIRIUS REMEDIATION LTD

### DAILY GROUTING RETURN

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. SDS2544 Contract Name: Goldthorpe

Date: 19/05/2014 Client: Gleasons

Sheet: 4 of 7 Working Day No 21

| Hole No.   | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks         | Crew Details              |       |            |        |
|--|-----------|-------------|---------|--------|------|--------|-------------|-----------------|---------------------------|-------|------------|--------|
| Shaft 1.3  |           |             |         |        |      |        |             |                 |                           |       |            |        |
|  | 21.00     | }           | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |       |            |        |
|  | 16.00     |             |         |        |      |        |             | Full            |                           |       |            |        |
|  | 14.50     | }           | 0.09    | 0.01   |      |        | 0.10        | Full            | Materials Delivered Today |       |            |        |
|  | 13.00     |             |         |        |      |        |             | Full            |                           |       |            |        |
|  | 11.50     | }           | 0.09    | 0.01   |      |        | 0.10        | Full            | Item                      | Quant | Ticket No. |        |
|  | 10.00     |             |         |        |      |        |             | Full            |                           |       |            |        |
|  | 8.50      | }           | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |       |            |        |
|  | 7.00      |             |         |        |      |        |             | Full            |                           |       |            |        |
|  | 5.50      | }           | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |       |            |        |
|  | 4.00      |             |         |        |      |        |             | Full            |                           |       |            |        |
|  | 2.5-GL    |             |         |        |      |        |             | Full            |                           |       |            |        |
| Grouted in 1.5m lifts, grout injected under pressure |           |             |         |        |      |        |             |                 |                           |       |            |        |
|  |           |             |         |        |      |        |             |                 |                           |       |            |        |
|  |           |             |         |        |      |        |             |                 |                           |       |            |        |
|  |           |             |         |        |      |        |             |                 |                           |       |            |        |
|  |           |             |         |        |      |        |             |                 |                           |       |            |        |
| <b>Total Used</b>                                    |           |             | 0.45    | 0.05   | 0.00 | 0.00   | 0.50        |                 | PFA                       | OPC   | Sand       | Gravel |
| <b>Previous Total</b>                                |           |             | 1415.40 | 118.03 | 0.00 | 0.00   | 1533.43     | Today           |                           |       |            |        |
| <b>Total to Date</b>                                 |           |             | 1415.85 | 118.08 | 0.00 | 0.00   | 1533.93     | Previous        |                           |       |            |        |
|  |           |             |         |        |      |        |             | Total Delivered |                           |       |            |        |
|  |           |             |         |        |      |        |             | Total Used      |                           |       |            |        |
|  |           |             |         |        |      |        |             | Stock on Site   |                           |       |            |        |

Signed by SDS

Date: 19/05/2014

Signed by Client

Date:



**SIRIUS REMEDIATION LTD**

**DAILY GROUTING RETURN**

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. **SDS2544** Contract Name: **Goldthorpe**

Date: **19/05/2014** Client: **Gleasons**

Sheet: **5 of 7** Working Day No **21**

| Hole No.   | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks         | Crew Details              |            |             |               |
|--|-----------|-------------|---------|--------|------|--------|-------------|-----------------|---------------------------|------------|-------------|---------------|
| Shaft 1.4  |           |             |         |        |      |        |             |                 |                           |            |             |               |
|  | 21.00     |             | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |            |             |               |
|  | 16.00     |             |         |        |      |        |             |                 | Full                      |            |             |               |
|  | 14.50     |             | 0.09    | 0.01   |      |        | 0.10        | Full            | Materials Delivered Today |            |             |               |
|  | 13.00     |             | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |            |             |               |
|  | 11.50     |             |         |        |      |        |             | Full            | Item                      | Quant      | Ticket No.  |               |
|  | 10.00     |             | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |            |             |               |
|  | 8.50      |             |         |        |      |        |             |                 | Full                      |            |             |               |
|  | 7.00      |             | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |            |             |               |
|  | 5.50      |             |         |        |      |        |             |                 | Full                      |            |             |               |
|  | 4.00      |             |         |        |      |        |             |                 | Full                      |            |             |               |
|  | 2.5-GL    |             |         |        |      |        |             |                 | Full                      |            |             |               |
| Grouted in 1.5m lifts, grout injected under pressure |           |             |         |        |      |        |             |                 |                           |            |             |               |
|  |           |             |         |        |      |        |             |                 |                           |            |             |               |
|  |           |             |         |        |      |        |             |                 |                           |            |             |               |
|  |           |             |         |        |      |        |             |                 |                           |            |             |               |
|  |           |             |         |        |      |        |             |                 |                           |            |             |               |
| <b>Total Used</b>                                    |           |             | 0.45    | 0.05   | 0.00 | 0.00   | 0.50        |                 | <b>PFA</b>                | <b>OPC</b> | <b>Sand</b> | <b>Gravel</b> |
| <b>Previous Total</b>                                |           |             | 1415.85 | 118.08 | 0.00 | 0.00   | 1533.93     | Today           |                           |            |             |               |
| <b>Total to Date</b>                                 |           |             | 1416.30 | 118.13 | 0.00 | 0.00   | 1534.43     | Previous        |                           |            |             |               |
|  |           |             |         |        |      |        |             | Total Delivered |                           |            |             |               |
|  |           |             |         |        |      |        |             | Total Used      |                           |            |             |               |
|  |           |             |         |        |      |        |             | Stock on Site   |                           |            |             |               |

Signed by SDS

Date: 19/05/2014

Signed by Client

Date:



**SIRIUS REMEDIATION LTD**

**DAILY GROUTING RETURN**

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. **SDS2544** Contract Name: **Goldthorpe**

Date: **19/05/2014** Client: **Gleasons**

Sheet: **6 of 7** Working Day No **21**

| Hole No.   | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks         | Crew Details              |            |             |               |       |            |
|--|-----------|-------------|---------|--------|------|--------|-------------|-----------------|---------------------------|------------|-------------|---------------|-------|------------|
| Shaft 1.5  |           |             |         |        |      |        |             |                 |                           |            |             |               |       |            |
|  | 21.00     |             | 0.09    | 0.01   |      |        | 0.10        | Full            | Materials Delivered Today |            |             |               |       |            |
|  | 16.00     |             |         |        | Full |        |             |                 |                           |            |             |               |       |            |
|  | 14.50     |             | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |            |             |               |       |            |
|  | 13.00     |             |         |        | Full |        |             |                 |                           |            |             |               |       |            |
|  | 11.50     |             | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |            |             | Item          | Quant | Ticket No. |
|  | 10.00     |             |         |        | Full |        |             |                 |                           |            |             |               |       |            |
|  | 8.50      |             | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |            |             |               |       |            |
|  | 7.00      |             |         |        | Full |        |             |                 |                           |            |             |               |       |            |
|  | 5.50      |             | 0.09    | 0.01   |      |        | 0.10        | Full            |                           |            |             |               |       |            |
|  | 4.00      |             |         |        | Full |        |             |                 |                           |            |             |               |       |            |
|  | 2.5-GL    |             |         |        | Full |        |             |                 |                           |            |             |               |       |            |
| Grouted in 1.5m lifts, grout injected under pressure |           |             |         |        |      |        |             |                 |                           |            |             |               |       |            |
|  |           |             |         |        |      |        |             |                 |                           |            |             |               |       |            |
|  |           |             |         |        |      |        |             |                 |                           |            |             |               |       |            |
|  |           |             |         |        |      |        |             |                 |                           |            |             |               |       |            |
|  |           |             |         |        |      |        |             |                 |                           |            |             |               |       |            |
| <b>Total Used</b>                                    |           |             | 0.45    | 0.05   | 0.00 | 0.00   | 0.50        |                 | <b>PFA</b>                | <b>OPC</b> | <b>Sand</b> | <b>Gravel</b> |       |            |
| <b>Previous Total</b>                                |           |             | 1416.30 | 118.13 | 0.00 | 0.00   | 1534.43     | Today           |                           |            |             |               |       |            |
| <b>Total to Date</b>                                 |           |             | 1416.75 | 118.18 | 0.00 | 0.00   | 1534.93     | Previous        |                           |            |             |               |       |            |
|  |           |             |         |        |      |        |             | Total Delivered |                           |            |             |               |       |            |
|  |           |             |         |        |      |        |             | Total Used      |                           |            |             |               |       |            |
|  |           |             |         |        |      |        |             | Stock on Site   |                           |            |             |               |       |            |

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Date: 19/05/2014

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Date:





## SIRIUS REMEDIATION LTD

### DAILY GROUTING RETURN

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. SDS2544 Contract Name: Goldthorpe

Date: 20/05/2014 Client: Gleasons

Sheet: 1 of 7 Working Day No 22

| Hole No.              | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks         | Crew Details              |           |            |        |
|-----------------------|-----------|-------------|---------|--------|------|--------|-------------|-----------------|---------------------------|-----------|------------|--------|
|                       |           |             |         |        |      |        |             |                 | D Lyman                   | J Benfold | S Woodhall |        |
| AJ8                   |           |             | 1.20    | 0.10   |      |        | 1.30        | Full            |                           |           |            |        |
| AK8                   |           |             | 0.96    | 0.08   |      |        | 1.04        | Full            |                           |           |            |        |
| AJ9                   |           |             | 1.80    | 0.15   |      |        | 1.95        | Full            |                           |           |            |        |
| AK9                   |           |             | 1.32    | 0.11   |      |        | 1.43        | Full            |                           |           |            |        |
| AL9                   |           |             | 0.96    | 0.08   |      |        | 1.04        | Full            | Materials Delivered Today |           |            |        |
| AM9                   |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            | Item                      | Quant     | Ticket No. |        |
| AN9                   |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            | PFA                       | 19.64     | 492926     |        |
| AJ10                  |           |             | 0.96    | 0.08   |      |        | 1.04        | Full            | PFA                       | 20.04     | 492927     |        |
| AK10                  |           |             | 0.60    | 0.05   |      |        | 0.65        | Full            | PFA                       | 19.20     | 492928     |        |
| AL10                  |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            | PFA                       | 20.02     | 492925     |        |
| AM10                  |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            |                           |           |            |        |
| AN10                  |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            |                           |           |            |        |
| AJ11                  |           |             | 1.08    | 0.09   |      |        | 1.17        | Full            |                           |           |            |        |
| AK11                  |           |             | 0.84    | 0.07   |      |        | 0.91        | Full            |                           |           |            |        |
| AL11                  |           |             | 1.44    | 0.12   |      |        | 1.56        | Full            |                           |           |            |        |
| AM11                  |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            |                           |           |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |           |            |        |
| <b>Total Used</b>     |           |             | 11.88   | 0.99   | 0.00 | 0.00   | 12.87       |                 | PFA                       | OPC       | Sand       | Gravel |
|                       |           |             |         |        |      |        |             | Today           | 78.90                     |           |            |        |
| <b>Previous Total</b> |           |             | 1438.23 | 119.97 | 0.00 | 0.00   | 1558.20     | Previous        | 1454.58                   | 134.50    | 0.00       | 0.00   |
|                       |           |             |         |        |      |        |             | Total Delivered | 1533.48                   | 134.50    | 0.00       | 0.00   |
| <b>Total to Date</b>  |           |             | 1450.11 | 120.96 | 0.00 | 0.00   | 1571.07     | Total Used      | 1450.11                   | 120.96    | 0.00       | 0.00   |
|                       |           |             |         |        |      |        |             | Stock on Site   | 83.37                     | 13.54     | 0.00       | 0.00   |

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Date: 20/05/2014

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Date:













**SIRIUS REMEDIATION LTD**

**DAILY GROUTING RETURN**

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. **SDS2544** Contract Name: **Goldthorpe**

Date: **20/05/2014** Client: **Gleasons**

Sheet: **7 of 7** Working Day No **22**

| Hole No.              | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks                | Crew Details              |            |             |               |
|-----------------------|-----------|-------------|---------|--------|------|--------|-------------|------------------------|---------------------------|------------|-------------|---------------|
|                       |           |             |         |        |      |        |             |                        | Item                      | Quant      | Ticket No.  |               |
| J7                    |           |             | 0.60    | 0.05   |      |        | 0.65        | Full                   | Materials Delivered Today |            |             |               |
| AZ41                  |           |             | 0.12    | 0.01   |      |        | 0.13        | Full                   |                           |            |             |               |
| AZ42                  |           |             | 0.12    | 0.01   |      |        | 0.13        | Full                   |                           |            |             |               |
| AZ43                  |           |             | 0.12    | 0.01   |      |        | 0.13        | Full                   |                           |            |             |               |
| AZ44                  |           |             | 0.12    | 0.01   |      |        | 0.13        | Full                   |                           |            |             |               |
| AS24                  |           |             | 0.96    | 0.08   |      |        | 1.04        | Full                   |                           |            |             |               |
| AT25                  |           |             | 0.84    | 0.07   |      |        | 0.91        | Full                   |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
|                       |           |             |         |        |      |        |             |                        |                           |            |             |               |
| <b>Total Used</b>     |           |             | 2.88    | 0.24   | 0.00 | 0.00   | 3.12        |                        | <b>PFA</b>                | <b>OPC</b> | <b>Sand</b> | <b>Gravel</b> |
|                       |           |             |         |        |      |        |             | <b>Today</b>           | 78.90                     | 0.00       | 0.00        | 0.00          |
| <b>Previous Total</b> |           |             | 1498.95 | 125.03 | 0.00 | 0.00   | 1623.98     | <b>Previous</b>        | 1454.58                   | 134.50     | 0.00        | 0.00          |
|                       |           |             |         |        |      |        |             | <b>Total Delivered</b> | 1533.48                   | 134.50     | 0.00        | 0.00          |
| <b>Total to Date</b>  |           |             | 1501.83 | 125.27 | 0.00 | 0.00   | 1627.10     | <b>Total Used</b>      | 1501.83                   | 125.27     | 0.00        | 0.00          |
|                       |           |             |         |        |      |        |             | <b>Stock on Site</b>   | 31.65                     | 9.23       | 0.00        | 0.00          |

Signed by SDS

Date: 20/05/2014

Signed by Client

Date:



## SIRIUS REMEDIATION LTD

### DAILY GROUTING RETURN

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. SDS2544 Contract Name: Goldthorpe

Date: 21/05/2014 Client: Gleasons

Sheet: 1 of 5 Working Day No 23

| Hole No.              | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks         | Crew Details              |           |            |        |
|-----------------------|-----------|-------------|---------|--------|------|--------|-------------|-----------------|---------------------------|-----------|------------|--------|
|                       |           |             |         |        |      |        |             |                 | D Lyman                   | J Benfold | S Woodhall |        |
| BD41                  |           |             | 0.60    | 0.05   |      |        | 0.65        | Full            |                           |           |            |        |
| BD40                  |           |             | 0.60    | 0.05   |      |        | 0.65        | Full            |                           |           |            |        |
| BB40                  |           |             | 0.96    | 0.08   |      |        | 1.04        | Full            |                           |           |            |        |
| BA40                  |           |             | 0.72    | 0.06   |      |        | 0.78        | Full            | Materials Delivered Today |           |            |        |
| AZ40                  |           |             | 0.48    | 0.04   |      |        | 0.52        | Full            |                           |           |            |        |
| AY40                  |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            | Item                      | Quant     | Ticket No. |        |
| AX40                  |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            |                           |           |            |        |
| AX39                  |           |             | 0.60    | 0.05   |      |        | 0.65        | Full            |                           |           |            |        |
| AY39                  |           |             | 0.84    | 0.07   |      |        | 0.91        | Full            |                           |           |            |        |
| AZ39                  |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            |                           |           |            |        |
| BA39                  |           |             | 0.36    | 0.03   |      |        | 0.39        | Full            |                           |           |            |        |
| BB39                  |           |             | 0.72    | 0.06   |      |        | 0.78        | Full            |                           |           |            |        |
| BC39                  |           |             | 0.60    | 0.05   |      |        | 0.65        | Full            |                           |           |            |        |
| BD39                  |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            |                           |           |            |        |
| AX38                  |           |             | 0.72    | 0.06   |      |        | 0.78        | Full            |                           |           |            |        |
| AY38                  |           |             | 0.48    | 0.04   |      |        | 0.52        | Full            |                           |           |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |           |            |        |
| <b>Total Used</b>     |           |             | 8.16    | 0.68   | 0.00 | 0.00   | 8.84        |                 | PFA                       | OPC       | Sand       | Gravel |
| <b>Previous Total</b> |           |             | 1501.83 | 125.27 | 0.00 | 0.00   | 1627.10     | Today           |                           |           |            |        |
| <b>Total to Date</b>  |           |             | 1509.99 | 125.95 | 0.00 | 0.00   | 1635.94     | Previous        | 1533.48                   | 134.50    | 0.00       | 0.00   |
|                       |           |             |         |        |      |        |             | Total Delivered | 1533.48                   | 134.50    | 0.00       | 0.00   |
|                       |           |             |         |        |      |        |             | Total Used      | 1509.99                   | 125.95    | 0.00       | 0.00   |
|                       |           |             |         |        |      |        |             | Stock on Site   | 23.49                     | 8.55      | 0.00       | 0.00   |

Signed by SDS

Date: 21/05/2014

Signed by Client

Date:







**SIRIUS REMEDIATION LTD**

**DAILY GROUTING RETURN**

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. **SDS2544** Contract Name: **Goldthorpe**

Date: **21/05/2014** Client: **Gleasons**

Sheet: **4 of 5** Working Day No

| Hole No.   | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks         | Crew Details  |            |             |               |  |  |
|--|-----------|-------------|---------|--------|------|--------|-------------|-----------------|---|------------|-------------|---------------|--|--|
| <b>Shaft Test Hole</b>   |           |             |         |        |      |        |             |                 |   |            |             |               |  |  |
|  | 21.00     |             | 0.09    | 0.01   |      |        | 0.10        | Full            | <b>Materials Delivered Today</b><br><br>Item Quant Ticket No. |            |             |               |  |  |
|  | 16.00     |             |         |        | Full |        |             |                 |   |            |             |               |  |  |
|  | 14.50     |             | 0.09    | 0.01   |      |        | 0.10        | Full            |   |            |             |               |  |  |
|  | 16.00     |             |         |        | Full |        |             |                 |   |            |             |               |  |  |
|  | 11.50     |             |         |        | Full |        |             |                 |   |            |             |               |  |  |
|  | 10.00     |             | 0.09    | 0.01   |      |        | 0.10        | Full            |   |            |             |               |  |  |
|  | 8.50      |             |         |        | Full |        |             |                 |   |            |             |               |  |  |
|  | 7.00      |             |         |        | Full |        |             |                 |   |            |             |               |  |  |
|  | 5.50      |             | 0.09    | 0.01   |      |        | 0.10        | Full            |   |            |             |               |  |  |
|  | 4.00      |             |         |        | Full |        |             |                 |   |            |             |               |  |  |
|  | 2.5-GL    |             |         |        | Full |        |             |                 |   |            |             |               |  |  |
| Grouted in 1.5m lifts, grout injected under pressure and held for 5 mins |           |             |         |        |      |        |             |                 |   |            |             |               |  |  |
|  |           |             |         |        |      |        |             |                 |   |            |             |               |  |  |
|  |           |             |         |        |      |        |             |                 |   |            |             |               |  |  |
|  |           |             |         |        |      |        |             |                 |   |            |             |               |  |  |
| <b>Total Used</b>  |           |             | 0.36    | 0.04   | 0.00 | 0.00   | 0.40        |                 | <b>PFA</b>  | <b>OPC</b> | <b>Sand</b> | <b>Gravel</b> |  |  |
| <b>Previous Total</b>  |           |             | 1525.47 | 127.24 | 0.00 | 0.00   | 1652.71     | Today           |   |            |             |               |  |  |
| <b>Total to Date</b>   |           |             | 1525.83 | 127.28 | 0.00 | 0.00   | 1653.11     | Previous        |   |            |             |               |  |  |
|  |           |             |         |        |      |        |             | Total Delivered |   |            |             |               |  |  |
|  |           |             |         |        |      |        |             | Total Used      |   |            |             |               |  |  |
|  |           |             |         |        |      |        |             | Stock on Site   |   |            |             |               |  |  |

Signed by SDS

Date: 21/05/2014

Signed by Client

Date:





## SIRIUS REMEDIATION LTD

### DAILY GROUTING RETURN

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. SDS2544 Contract Name: Goldthorpe

Date: 27/05/2014 Client: Gleasons

Sheet: 1 of 1 Working Day No 24

| Hole No.              | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks | Crew Details                     |            |             |               |      |
|-----------------------|-----------|-------------|---------|--------|------|--------|-------------|---------|----------------------------------|------------|-------------|---------------|------|
|                       |           |             |         |        |      |        |             |         | D Lyman                          |            |             |               |      |
|                       |           |             |         |        |      |        |             |         | J Benfold                        |            |             |               |      |
|                       |           |             |         |        |      |        |             |         | S Woodhall                       |            |             |               |      |
| <b>Test Holes</b>     |           |             |         |        |      |        |             |         |                                  |            |             |               |      |
| AV/AU 43-44           |           |             | 0.24    | 0.02   |      |        | 0.26        | Full    |                                  |            |             |               |      |
| N/O 32                |           |             | 0.24    | 0.02   |      |        | 0.26        | Full    |                                  |            |             |               |      |
| V/W 25-26             |           |             | 0.36    | 0.03   |      |        | 0.26        | Full    | <b>Materials Delivered Today</b> |            |             |               |      |
| AU/AV33-34            |           |             | 0.12    | 0.01   |      |        | 0.13        | Full    |                                  |            |             |               |      |
| AL/AM 42-43           |           |             | 0.12    | 0.01   |      |        | 0.13        | Full    | Item                             | Quant      | Ticket No.  |               |      |
| AF/AG41-42            |           |             | 0.24    | 0.02   |      |        | 0.26        | Full    |                                  |            |             |               |      |
| S/T 44                |           |             | 0.36    | 0.03   |      |        | 0.26        | Full    |                                  |            |             |               |      |
| AE/AF 9-10            |           |             | 0.24    | 0.02   |      |        | 0.26        | Full    |                                  |            |             |               |      |
| AK/AL30-31            |           |             | 0.36    | 0.03   |      |        | 0.26        | Full    |                                  |            |             |               |      |
| D/E 3-4               |           |             | 0.24    | 0.02   |      |        | 0.26        | Full    |                                  |            |             |               |      |
| AE/AF 17-18           |           |             | 0.36    | 0.03   |      |        | 0.26        | Full    |                                  |            |             |               |      |
|                       |           |             |         |        |      |        |             |         |                                  |            |             |               |      |
| T35                   |           |             | 0.24    | 0.02   |      |        | 0.26        | Full    |                                  |            |             |               |      |
| AR19                  |           |             | 0.12    | 0.01   |      |        | 0.13        | Full    |                                  |            |             |               |      |
|                       |           |             |         |        |      |        |             |         |                                  |            |             |               |      |
|                       |           |             |         |        |      |        |             |         |                                  |            |             |               |      |
| <b>Total Used</b>     |           |             | 3.24    | 0.27   | 0.00 | 0.00   | 2.99        |         |                                  |            |             |               |      |
|                       |           |             |         |        |      |        |             |         | <b>PFA</b>                       | <b>OPC</b> | <b>Sand</b> | <b>Gravel</b> |      |
|                       |           |             |         |        |      |        |             |         | 0.00                             | 0.00       | 0.00        | 0.00          |      |
| <b>Previous Total</b> |           |             | 1528.59 | 127.51 | 0.00 | 0.00   | 1656.10     |         | <b>Today</b>                     |            |             |               |      |
|                       |           |             |         |        |      |        |             |         | Previous                         | 1533.48    | 134.50      | 0.00          | 0.00 |
|                       |           |             |         |        |      |        |             |         | <b>Total Delivered</b>           | 1533.48    | 134.50      | 0.00          | 0.00 |
| <b>Total to Date</b>  |           |             | 1531.83 | 127.78 | 0.00 | 0.00   | 1659.09     |         | <b>Total Used</b>                | 1531.83    | 127.78      | 0.00          | 0.00 |
|                       |           |             |         |        |      |        |             |         | <b>Stock on Site</b>             | 1.65       | 6.72        | 0.00          | 0.00 |

Signed by SDS

Date: 27/05/2014

Signed by Client

Date:



**SIRIUS REMEDIATION LTD**

**DAILY GROUTING RETURN**

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB Tel: 0113 264 9960 Fax: 0113 264 9962

Job No. **SDS2544** Contract Name: **Goldthorpe**

Date: **29/05/2014** Client: **Gleasons**

Sheet: **1 of 1** Working Day No **25**

| Hole No.              | Depth (m) | Press (psi) | PFA     | OPC    | Sand | Gravel | Total Grout | Remarks         | Crew Details              |        |            |        |
|-----------------------|-----------|-------------|---------|--------|------|--------|-------------|-----------------|---------------------------|--------|------------|--------|
|                       |           |             |         |        |      |        |             |                 | D Lyman                   |        |            |        |
|                       |           |             |         |        |      |        |             |                 | J Benfold                 |        |            |        |
|                       |           |             |         |        |      |        |             |                 | S Woodhall                |        |            |        |
| <u>Test Holes</u>     |           |             |         |        |      |        |             |                 |                           |        |            |        |
| AN/AO 26-27           |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            |                           |        |            |        |
| T/U 11-12             |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            |                           |        |            |        |
| H/I 8-9               |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            | Materials Delivered Today |        |            |        |
| AQ/AR39-40            |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            |                           |        |            |        |
| AC/AD38-39            |           |             | 0.12    | 0.01   |      |        | 0.13        | Full            | Item                      | Quant  | Ticket No. |        |
|                       |           |             |         |        |      |        |             |                 |                           |        |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |        |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |        |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |        |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |        |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |        |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |        |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |        |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |        |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |        |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |        |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |        |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |        |            |        |
|                       |           |             |         |        |      |        |             |                 |                           |        |            |        |
| <b>Total Used</b>     |           |             | 0.60    | 0.05   | 0.00 | 0.00   | 0.65        |                 | PFA                       | OPC    | Sand       | Gravel |
|                       |           |             |         |        |      |        |             | Today           | 0.00                      | 0.00   | 0.00       | 0.00   |
| <b>Previous Total</b> |           |             | 1531.83 | 127.78 | 0.00 | 0.00   | 1659.09     | Previous        | 1533.48                   | 134.50 | 0.00       | 0.00   |
|                       |           |             |         |        |      |        |             | Total Delivered | 1533.48                   | 134.50 | 0.00       | 0.00   |
| <b>Total to Date</b>  |           |             | 1532.43 | 127.83 | 0.00 | 0.00   | 1659.74     | Total Used      | 1532.43                   | 127.83 | 0.00       | 0.00   |
|                       |           |             |         |        |      |        |             | Stock on Site   | 1.05                      | 6.67   | 0.00       | 0.00   |

Signed by SDS

Date: 29/05/2014

Signed by Client

Date:



## APPENDIX D

# CUBE RESULTS, BLEED AND FLOW TEST RESULTS

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



29 Rufford Court  
Woolston  
Warrington  
WA1 4RF  
United Kingdom  
Tel: +44(0) 1925 286220  
Fax: +44(0) 1925 838135

Report no: WAB50529710\_01

Date: 16/05/2014

Client: SIRIUS REMEDIATION,LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No. | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|-------------------|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 341874            | 50529710 | SDS2544     | 16/04/2014 |           | 23/04/2014                  | 14/05/2014  | 28       | 100x100x100   | 1440                      | 26.6            | 2.7                                    | not given                                       |

Location: -

Mix details: NONE GIVEN

Remarks: Damaged,Exposed aggregate.

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18 °-22 °C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed



Paul Haddock - Laboratory Manager

for and on behalf of Environmental Scientifics Group Limited

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



29 Rufford Court  
Woolston  
Warrington  
WA1 4RF  
United Kingdom  
Tel: +44(0) 1925 286220  
Fax: +44(0) 1925 838135

Report no: WAB50533215\_01

Date: 23/05/2014

Client: SIRIUS REMEDIATION LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No. | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|-------------------|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 360654            | 50533215 | SDS2544 B   | 22/04/2014 |           | 08/05/2014                  | 20/05/2014  | 28       | 100x100x100   | 1350                      | 34.5            | 3.5                                    | not given                                       |

Location: not given  
Mix details: 12:1

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18°-22°C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed



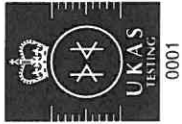
Paul Thomas - Section Manager

for and on behalf of Environmental Scientifics Group Limited

Issued to: SIRIUS REMEDIATION LTD

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



29 Rufford Court  
Woolston  
Warrington  
WA1 4RF  
United Kingdom  
Tel: +44(0) 1925 286220  
Fax: +44(0) 1925 838135

Report no: WAB50533217\_01

Date: 23/05/2014

Client: SIRIUS REMEDIATION LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No. | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|-------------------|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 360655            | 50533217 | SDS2544 B   | 24/04/2014 |           | 08/05/2014                  | 22/05/2014  | 28       | 100x100x100   | 1360                      | 58.1            | 5.8                                    | not given                                       |

Location: NOT GIVEN

Mix details: 12:1

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18°-22°C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed



Paul Thomas - Section Manager

for and on behalf of Environmental Scientifics Group Limited

Issued to: SIRIUS REMEDIATION LTD

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



29 Rufford Court  
Woolston  
Warrington  
WA1 4RF  
United Kingdom  
Tel: +44(0) 1925 286220  
Fax: +44(0) 1925 838135

Report no: WAB50533207\_01

Date: 02/06/2014

Client: SIRIUS REMEDIATION LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No.                        | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|--|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 360652                                   | 50533207 | SDS2544 B   | 29/04/2014 |           | 08/05/2014                  | 27/05/2014  | 28       | 100x100x100   | 1450                      | 76.2            | 7.6                                    | not given                                       |
| Location: NOT GIVEN<br>Mix details: 12:1 |          |             |            |           |                             |             |          |               |                           |                 |  |   |

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18-22°C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed



Paul Haddock - Laboratory Manager

for and on behalf of Environmental Scientifics Group Limited

Issued to: SIRIUS REMEDIATION LTD

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



29 Rufford Court  
Woolston  
Warrington  
WA1 4RF  
United Kingdom  
Tel: +44(0) 1925 286220  
Fax: +44(0) 1925 838135

Report no: WAB50533209\_01

Date: 02/06/2014

Client: SIRIUS REMEDIATION LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No. | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|-------------------|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 360653            | 50533209 | SDS2544 B   | 01/05/2014 |           | 08/05/2014                  | 29/05/2014  | 28       | 100x100x100   | 1440                      | 70.7            | 7.1                                    | not given                                       |

Location: NOT GIVEN

Mix details: 12:1

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18°-22°C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed 

Paul Haddock - Laboratory Manager

for and on behalf of Environmental Scientifics Group Limited

Issued to: SIRIUS REMEDIATION LTD

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



29 Rufford Court  
Woolston  
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United Kingdom  
Tel: +44(0) 1925 286220  
Fax: +44(0) 1925 838135

Report no: WAB50534628\_01

Date: 09/06/2014

Client: SIRIUS REMEDIATION LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No.                        | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|--|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 360656                                   | 50534628 | SDS2544 B   | 06/05/2014 |           | 14/05/2014                  | 03/06/2014  | 28       | 100x100x100   | 1580                      | 117.5           | 11.8                                   | not given                                       |
| Location: NOT GIVEN<br>Mix details: 12:1 |          |             |            |           |                             |             |          |               |                           |                 |  |   |

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18°-22°C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed



Paul Haddock - Laboratory Manager

for and on behalf of Environmental Scientifics Group Limited

Issued to: SIRIUS REMEDIATION LTD

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



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Report no: WAB50534630\_01

Date: 09/06/2014

Client: SIRIUS REMEDIATION LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No. | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|-------------------|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 360657            | 50534630 | SDS2544 B   | 08/05/2014 |           | 14/05/2014                  | 05/06/2014  | 28       | 100x105x100   | 1610                      | 128.2           | 12.2                                   | not given                                       |

Location: NOT GIVEN

Mix details: 12:1

Remarks: Annex B Procedure used. Outside dimensional tolerances stated in BS EN 12390:3:2009.

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18°-22°C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed



Paul Haddock - Laboratory Manager

for and on behalf of Environmental Scientifics Group Limited

Issued to: SIRIUS REMEDIATION LTD

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



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Report no: WAB50536107\_01

Date: 13/06/2014

Client: SIRIUS REMEDIATION LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No.                        | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|--|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 360658                                   | 50536107 | SDS2544 B   | 13/05/2014 |           | 21/05/2014                  | 10/06/2014  | 28       | 100x100x100   | 1330                      | 53.2            | 5.3                                    | not given                                       |
| Location: NOT GIVEN<br>Mix details: 12:1 |          |             |            |           |                             |             |          |               |                           |                 |  |   |

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18-22 °C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed



Paul Haddock - Laboratory Manager

for and on behalf of Environmental Scientifics Group Limited

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



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Report no: WAB50536109\_01

Date: 13/06/2014

Client: SIRIUS REMEDIATION LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No. | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|-------------------|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 360659            | 50536109 | SDS2544 B   | 15/05/2014 |           | 21/05/2014                  | 12/06/2014  | 28       | 100x100x100   | 1330                      | 83.4            | 8.3                                    | not given                                       |

Location: NOT GIVEN

Mix details: 12:1

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18°-22°C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed



Paul Haddock - Laboratory Manager

for and on behalf of Environmental Scientifics Group Limited

Issued to: SIRIUS REMEDIATION LTD

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



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Report no: WAB50537430\_01

Date: 19/06/2014

Client: SIRIUS REMEDIATION LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No.                        | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|--|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 360661                                   | 50537430 | SDS2544 B   | 19/05/2014 |           | 28/05/2014                  | 16/06/2014  | 28       | 100x100x100   | 1620                      | 61.5            | 6.2                                    | not given                                       |
| Location: NOT GIVEN<br>Mix details: 12:1 |          |             |            |           |                             |             |          |               |                           |                 |  |   |

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18 °-22 °C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed



Paul Haddock - Laboratory Manager

for and on behalf of Environmental Scientifics Group Limited

Issued to: SIRIUS REMEDIATION LTD

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



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Report no: WAB50537431\_02

Date: 11/07/2014

Client: SIRIUS REMEDIATION LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No.   | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|---|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 360662  | 50537431 | SDS2544 A   | 21/05/2014 |           | 28/05/2014                  | 29/05/2014  | 8        | 100x103x100   | 1590                      | 26.8            | 2.6                                    | not given                                       |
| Location: NOT GIVEN   |          |             |            |           |                             |             |          |               |                           |                 |  |   |
| Mix details: 12:1   |          |             |            |           |                             |             |          |               |                           |                 |  |   |
| Remarks: Degree of saturation uncertain. Annex B Procedure used.                              |          |             |            |           |                             |             |          |               |                           |                 |  |   |
| 360662  | 50537432 | SDS2544 B   | 21/05/2014 |           | 28/05/2014                  | 18/06/2014  | 28       | 100x105x100   | 1500                      | 57.4            | 5.5                                    | not given                                       |
| Location: NOT GIVEN   |          |             |            |           |                             |             |          |               |                           |                 |  |   |
| Mix details: 12:1   |          |             |            |           |                             |             |          |               |                           |                 |  |   |
| Remarks: Annex B Procedure used. Outside dimensional tolerances stated in BS EN 12390-3:2009. |          |             |            |           |                             |             |          |               |                           |                 |  |   |

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18°-22°C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed



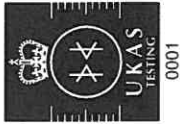
Paul Haddock - Laboratory Manager

for and on behalf of Environmental Scientifics Group Limited

Issued to: SIRIUS REMEDIATION LTD

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



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Tel: +44(0) 1925 286220  
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Report no: WAB50539216\_01

Date: 01/07/2014

Client: SIRIUS REMEDIATION LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No. | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|-------------------|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 360665            | 50539216 | SDS2544 B   | 27/05/2014 |           | 04/06/2014                  | 24/06/2014  | 28       | 100x100x100   | 1470                      | 48.2            | 4.8                                    | not given                                       |

Location: NOT GIVEN

Mix details: 12:1

Remarks: Damaged, Exposed aggregate.

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18°-22 °C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed



Paul Thomas - Section Manager

for and on behalf of Environmental Scientifics Group Limited

Issued to: SIRIUS REMEDIATION LTD

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



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Tel: +44(0) 1925 286220  
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Report no: WAB50539218\_01

Date: 01/07/2014

Client: SIRIUS REMEDIATION LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No. | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|-------------------|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 360666            | 50539218 | SDS2544 B   | 29/05/2014 |           | 04/06/2014                  | 26/06/2014  | 28       | 100x100x100   | 1550                      | 49.8            | 5.0                                    | not given                                       |

Location: NOT GIVEN

Mix details: 12:1

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18°-22°C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed



Paul Thomas - Section Manager

for and on behalf of Environmental Scientifics Group Limited

Issued to: SIRIUS REMEDIATION LTD

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



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Report no: WAB50539214\_01

Date: 19/06/2014

Client: SIRIUS REMEDIATION LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No. | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|-------------------|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 360664            | 50539214 | SDS2544 B   | 16/05/2014 |           | 04/06/2014                  | 13/06/2014  | 28       | 100x103x100   | 1610                      | 88.7            | 8.6                                    | not given                                       |

Location: SHAFt

Mix details: 9:1

Remarks: Annex B Procedure used.

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18°-22°C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed



Paul Haddock - Laboratory Manager

for and on behalf of Environmental Scientifics Group Limited

Issued to: SIRIUS REMEDIATION LTD

# CONCRETE TEST CUBE REPORT

(BS EN 12390-3:2009)



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Tel: +44(0) 1925 286220  
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Report no: WAB50539212\_01

Date: 19/06/2014

Client: SIRIUS REMEDIATION LTD

Scheme: GOLDTHORPE SDS2544

Contract no: 50180758

| Request Sheet No. | Lab Ref. | Client Ref. | Date Made  | Time Made | Date Received in Laboratory | Date Tested | Age days | Dimensions mm | Density kg/m <sup>3</sup> | Failure Load kN | Compressive Strength N/mm <sup>2</sup> | Specified Strength at 28 days N/mm <sup>2</sup> |
|-------------------|----------|-------------|------------|-----------|-----------------------------|-------------|----------|---------------|---------------------------|-----------------|--|---|
| 360663            | 50539212 | SDS2544 B   | 19/05/2014 |           | 04/06/2014                  | 16/06/2014  | 28       | 100x100x100   | 1710                      | 97.9            | 9.8                                    | not given                                       |

Location: SHAFT

Mix details: 9:1

Remarks: Annex B Procedure used.

The following apply unless otherwise stated under Remarks.

- 1) Laboratory curing range 18°-22°C.
- 2) Cube appearance as received satisfactory.
- 3) Test moisture condition and density saturated.
- 4) Cube failure normal. Concrete appearance normal.
- 5) Volume determined by measurement or designated size. Any fins removed by abrasive stone.
- 6) Laboratory curing conditions cannot be assured during tank cleaning.
- 7) Certificate of sampling not received. Certificate of making and curing not received.
- 8) Rate of Loading 0.4 to 0.8 N/mm<sup>2</sup> per sec.

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2 and 12390-7 and 12390-3.

Signed



Paul Haddock - Laboratory Manager

for and on behalf of Environmental Scientifics Group Limited

Issued to: SIRIUS REMEDIATION LTD

Bleed and Flow Test Results



Site: Goldthorpe

Job No: SDS2544

| Date              | Bleed Test |     |     | Flow Test (mm) | Notes |
|-------------------|------------|-----|-----|----------------|-------|
|                   | 2hr        | 4hr | 6hr |                |       |
| Mon: 14/04/2014   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
| Tues: 15/04/2014  |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
| Wed: 16/04/2014   | 2%         | 2%  | 3%  | 390            |       |
|                   |            |     |     | 440            |       |
|                   | 2%         | 3%  | 3%  | 395            |       |
|                   |            |     |     | 480            |       |
|                   |            |     |     |                |       |
| Thurs: 17/04/2014 | 2%         | 4%  | 4%  | 420            |       |
|                   |            |     |     | 435            |       |
|                   | 2%         | 3%  | 3%  | 370            |       |
|                   |            |     |     | 415            |       |
|                   |            |     |     |                |       |
| Fri: 18/04/2014   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
| Sat: 19/04/2014   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |

Bleed and Flow Test Results



Site: Goldthorpe

Job No: SDS2544

| Date              | Bleed Test |     |     | Flow Test (mm) | Notes |
|-------------------|------------|-----|-----|----------------|-------|
|                   | 2hr        | 4hr | 6hr |                |       |
| Mon: 21/04/2014   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
| Tues: 22/04/2014  | 2%         | 3%  | 3%  | 470            |       |
|                   |            |     |     | 435            |       |
|                   | 2%         | 3%  | 4%  | 420            |       |
|                   |            |     |     | 385            |       |
|                   |            |     |     |                |       |
| Wed: 23/04/2014   | 2%         | 2%  | 3%  | 440            |       |
|                   |            |     |     | 365            |       |
|                   | 3%         | 3%  | 3%  | 395            |       |
|                   |            |     |     | 410            |       |
|                   |            |     |     |                |       |
| Thurs: 24/04/2014 | 3%         | 3%  | 4%  | 385            |       |
|                   |            |     |     | 415            |       |
|                   | 2%         | 3%  | 3%  | 420            |       |
|                   |            |     |     | 360            |       |
|                   |            |     |     |                |       |
| Fri: 25/04/2014   | 2%         | 3%  | 4%  | 400            |       |
|                   |            |     |     | 375            |       |
|                   | 2%         | 2%  | 3%  | 395            |       |
|                   |            |     |     | 420            |       |
|                   |            |     |     |                |       |
| Sat: 26/04/2014   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |

Bleed and Flow Test Results



Site: Goldthorpe

Job No: SDS2544

| Date              | Bleed Test |     |     | Flow Test (mm) | Notes |
|-------------------|------------|-----|-----|----------------|-------|
|                   | 2hr        | 4hr | 6hr |                |       |
| Mon: 28/04/2014   | 2%         | 2%  | 3%  | 365            |       |
|                   |            |     |     | 410            |       |
|                   | 2%         | 3%  | 4%  | 425            |       |
|                   |            |     |     | 390            |       |
| Tues: 29/04/2014  | 1%         | 2%  | 2%  | 400            |       |
|                   |            |     |     | 420            |       |
|                   | 2%         | 3%  | 3%  | 430            |       |
|                   |            |     |     | 385            |       |
| Wed: 30/04/2014   | 2%         | 3%  | 4%  | 420            |       |
|                   |            |     |     | 390            |       |
|                   | 3%         | 4%  | 4%  | 400            |       |
|                   |            |     |     | 380            |       |
| Thurs: 01/05/2014 | 2%         | 3%  | 3%  | 425            |       |
|                   |            |     |     | 400            |       |
|                   | 2%         | 2%  | 3%  | 360            |       |
|                   |            |     |     | 425            |       |
| Fri: 02/05/2014   | 2%         | 3%  | 4%  | 390            |       |
|                   |            |     |     | 385            |       |
|                   | 2%         | 2%  | 2%  | 415            |       |
|                   |            |     |     | 445            |       |
| Sat: 03/05/2014   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |

Bleed and Flow Test Results



Site: Goldthorpe

Job No: SDS2544

| Date            | Bleed Test |     |     | Flow Test (mm) | Notes |
|-----------------|------------|-----|-----|----------------|-------|
|                 | 2hr        | 4hr | 6hr |                |       |
| Mon: 05/05/14   |            |     |     |                |       |
|                 |            |     |     |                |       |
|                 |            |     |     |                |       |
|                 |            |     |     |                |       |
| Tues: 06/05/14  | 2%         | 2%  | 3%  | 510            |       |
|                 |            |     |     | 465            |       |
|                 | 2%         | 3%  | 3%  | 420            |       |
|                 |            |     |     | 390            |       |
|                 |            |     |     |                |       |
| Wed: 07/05/14   | 2%         | 3%  | 3%  | 415            |       |
|                 |            |     |     | 410            |       |
|                 | 3%         | 3%  | 3%  | 375            |       |
|                 |            |     |     | 420            |       |
|                 |            |     |     |                |       |
| Thurs: 08/05/14 | 2%         | 3%  | 3%  | 360            |       |
|                 |            |     |     | 380            |       |
|                 | 2%         | 3%  | 3%  | 415            |       |
|                 |            |     |     | 445            |       |
|                 |            |     |     |                |       |
| Fri: 09/05/14   | 2%         | 3%  | 3%  | 395            |       |
|                 |            |     |     | 370            |       |
|                 | 1%         | 2%  | 3%  | 400            |       |
|                 |            |     |     | 420            |       |
|                 |            |     |     |                |       |
| Sat:            |            |     |     |                |       |
|                 |            |     |     |                |       |
|                 |            |     |     |                |       |
|                 |            |     |     |                |       |

Bleed and Flow Test Results



Site: Goldthorpe

Job No: SDS2544

| Date              | Bleed Test |     |     | Flow Test (mm) | Notes |
|-------------------|------------|-----|-----|----------------|-------|
|                   | 2hr        | 4hr | 6hr |                |       |
| Mon: 12/05/2014   | 2%         | 3%  | 3%  | 360            |       |
|                   |            |     |     | 415            |       |
|                   | 2%         | 3%  | 4%  | 405            |       |
|                   |            |     |     | 420            |       |
| Tues: 13/05/2014  | 2%         | 2%  | 3%  | 395            |       |
|                   |            |     |     | 440            |       |
|                   | 1%         | 2%  | 2%  | 475            |       |
|                   |            |     |     | 500            |       |
| Wed: 14/05/2014   | 2%         | 3%  | 3%  | 420            |       |
|                   |            |     |     | 380            |       |
|                   | 2%         | 2%  | 3%  | 400            |       |
|                   |            |     |     | 405            |       |
| Thurs: 15/05/2014 | 2%         | 2%  | 2%  | 435            |       |
|                   |            |     |     | 365            |       |
|                   | 2%         | 2%  | 3%  | 410            |       |
|                   |            |     |     | 440            |       |
| Fri: 16/05/2014   | 1%         | 2%  | 3%  | 405            |       |
|                   |            |     |     | 450            |       |
|                   | 1%         | 2%  | 2%  | 390            |       |
|                   |            |     |     | 415            |       |
| Sat: 17/05/2014   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |

Bleed and Flow Test Results



Site: Goldthorpe

Job No: SDS2544

| Date              | Bleed Test |     |     | Flow Test (mm) | Notes |
|-------------------|------------|-----|-----|----------------|-------|
|                   | 2hr        | 4hr | 6hr |                |       |
| Mon: 19/05/2014   | 2%         | 2%  | 3%  | 460            |       |
|                   |            |     |     | 445            |       |
|                   | 2%         | 3%  | 3%  | 420            |       |
|                   |            |     |     | 370            |       |
| Tues: 20/05/2014  | 2%         | 3%  | 4%  | 580            |       |
|                   |            |     |     | 525            |       |
|                   | 2%         | 3%  | 3%  | 500            |       |
|                   |            |     |     | 445            |       |
| Wed: 21/05/2014   | 2%         | 2%  | 2%  | 415            |       |
|                   |            |     |     | 435            |       |
|                   | 2%         | 3%  | 3%  | 395            |       |
|                   |            |     |     | 370            |       |
| Thurs: 22/05/2014 |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
| Fri: 23/05/2014   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
| Sat: 24/05/2014   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |

Bleed and Flow Test Results



Site: Goldthorpe

Job No: SDS2544

| Date              | Bleed Test |     |     | Flow Test (mm) | Notes |
|-------------------|------------|-----|-----|----------------|-------|
|                   | 2hr        | 4hr | 6hr |                |       |
| Mon: 26/05/2014   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
| Tues: 27/05/2014  | 2%         | 3%  | 3%  | 415            |       |
|                   |            |     |     | 370            |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
| Wed: 28/05/2014   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
| Thurs: 29/05/2014 | 2%         | 3%  | 3%  | 380            |       |
|                   |            |     |     | 365            |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
| Fri: 30/05/2014   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |
| Sat: 31/05/2014   |            |     |     |                |       |
|                   |            |     |     |                |       |
|                   |            |     |     |                |       |



## APPENDIX E

# COAL AUTHORITY PERMIT AND MINING REPORT



**Permit to Enter or Disturb**  
**Coal Authority Mining Interests**  
**Terms and Conditions**

- 1) The Applicant shall, for a period of 12 years from the date of commencement of the works, indemnify the Authority against liability for claims, losses or damages, including those made under the Coal Mining Subsidence Act 1991 and claims by the Applicant, whether arising as a result of any failure by the Applicant or the Applicant's contractors, to comply with the requirements of this permission, or as a result of any failure, inadequacy, omission, negligence by the Applicant or the Applicant's contractors in designing or carrying out the work.
- 2) If at any time the Authority considers the Applicant or the Applicant's contractors to be in substantial breach of any of the obligations or conditions of this document, the Authority may terminate this permission by oral or written notice at which time all activities interfering with the Authority's interest must cease. However, where such breaches do not jeopardise public safety the applicant shall be given reasonable opportunity to remedy any such breach prior to the Permission being terminated.
- 3) The Applicant will ensure that all steps are taken, including the erection and maintenance of fences and warning notices, necessary to prevent any person from accidentally entering, falling into, or interfering with any mine entry, mine working, mining collapse, excavation or borehole during the works and as a consequence of the work.
- 4) The Applicant shall ensure that the parties involved in these works have appropriate equipment available on the Site and that procedures are adopted to detect the emission of flammable or noxious gas, from any coal or former coal workings (including shafts and adits), from any part of the Site, and will take reasonable action to protect members of the public and workforce. Furthermore, the Applicant and his contractors will take all reasonable measures to prevent mine gasses migrating into neighbouring properties. This provision shall also apply to any gas created as a result of spontaneous combustion of in situ or remnant coal directly or indirectly caused by or related to the Permitted activities both during and following completion of the works.
- 5) The Applicant will notify the Coal Authority, using the 24 hour Emergency Service on 01623 646333, as soon as reasonably practicable, but within 24 hours, when there is evidence of spontaneous combustion of coal, uncontrolled emissions of mine gas or water or other hazard directly or indirectly caused by or related to the Permitted activities both during and following completion of the works. Furthermore, the Applicant will seek proper advice and take all necessary steps for the purpose of controlling, extinguishing and making safe any of the above mentioned hazards.
- 6) The Applicant will comply with all reasonable directions given by the Authority, which the Authority in its absolute discretion believes is necessary to safeguard coal, mine workings, mine entries, the environment or public safety.
- 7) The Applicant will provide to the Authority and it's representatives all necessary facilities at all reasonable times to inspect the Site, and ensure that all permissions, consents and private or other rights entitle the Authority or those authorised by it to gain access to the Site for any purpose connected with the carrying out of its statutory duties, powers and obligations. The Applicant will notify the Authority's Licensing & Permits Office at least 48 hours prior to starting intrusive work on the Site and supply contact details of a nominated Site supervisor.
- 8) Should it be found necessary to significantly change the method of treatment, design or specification of the works from that contained in the application to the Authority, the prior permission of the Authority must be obtained before proceeding (such permission not to be unreasonably withheld nor delayed).
- 9) The Applicant shall ensure that all the parties involved in these works are conversant with all current applicable legislation, standards and guidance and in particular the good practice guidance given in the publication *Guidance on Managing the Risk of Hazardous Gases when Drilling or Piling Near Coal* (freely available from the Coal Authority's website) and will adopt appropriate safe practices and procedures for working and drilling in hazardous conditions associated with recorded and unrecorded mine workings and mine entries.
- 10) The Applicant shall ensure that the parties involved in these works are competent and have the necessary experience and resources to safely enter or disturb coal, former coal workings and mine entries.
- 11) On completion of each borehole it should be temporarily plugged or sealed pending permanent sealing at the earliest practicable opportunity, having regard to the proposals for operational needs and site stabilisation.

Boreholes left open for monitoring purposes must be provided with a cap or seal pending permanent sealing upon abandonment. Where indications of an underground fire are detected the hole and any workings encountered should be grouted immediately, having regard to the fact that monitoring equipment may need to be installed down hole, to assess whether the incident has been contained. Permanent sealing shall be in accordance with the good practice guidance given in the publication *Guidance on Managing the Risk of Hazardous Gases when Drilling or Piling Near Coal*, freely available from the Coal Authority's website.

- 12) Unless otherwise agreed a Permit will be valid for 12 months from the date of grant. All costs incurred in compliance with this Permit shall be borne by the Applicant.
- 13) Unless otherwise agreed a written report summarising the works carried out must be submitted to the Authority's Permits Office **within 3 months** of the completion of operations or (preferably in electronic format). The report must include details of all excavations, gas and water encountered, treatment and stabilisation work carried out (including engineering drawings) and grout takes. The report must include a plan, to a reasonable scale, showing salient surface features and correlated to Ordnance Survey national grid, all boreholes and excavations and the positions of any mine entries, broken ground and voids proved by the works.
- 14) The Applicant will be responsible for obtaining any necessary permission under Town and Country Planning and any other relevant legislation, and for notifying statutory undertakers and other relevant bodies of his intentions, and for establishing and protecting the positions of any services on the Site.
- 15) The Applicant will obtain all necessary consents from surface and mineral owners, to obtain access to, and occupy the Site, and to carry out operations in any mine or mineral not vested in the Authority.
- 16) For the avoidance of doubt, the granting of a Coal Authority Permit does not confer upon the Applicant nor anyone acting on his behalf any right whatsoever to explore for coal, win and work coal, or to explore for coal mine or coal-bed methane, nor does it confer any rights to occupy property in the ownership of the Coal Authority. Where it is necessary to dig and carry away coal as part of the development, or where it is necessary to occupy property in the ownership of the Coal Authority a separate prior written agreement must be obtained.
- 17) The Applicant will ensure that nothing, other than as agreed by the Authority through this Permit, is deposited, falls or flows into any mine entry, mine working, mining collapse, excavation or borehole which by itself, or in combination with anything else which may be or which might reasonably be expected to be, in or adjacent to any such mine entry, mine working, mining collapse, excavation or borehole, could block or weaken any underground excavations within or beyond the Site, or could cause or aggravate pollution of underground water, or could cause any nuisance or harm to persons or property on the surface or underground, including any mining operations.
- 18) Where, in the Authority's opinion, the proximity of any mine entry to a proposed new development is likely to increase its liabilities, the Applicant agrees, if requested, to take a formal conveyance of the mine entry. All such mine entries shall be fully stabilised by the Applicant, at its own expense and to the Authority's satisfaction, prior to the conveyance. The conveyance will be on the Authority's standard terms and conditions for a nominal sum. The purchaser will also be required to make a single nominal payment of £350 (including VAT) towards the Authority's legal and other costs.

I agree to the terms and conditions set out by the Coal Authority and confirm that all the parties involved in this work will be made aware of and abide by this agreement:

Site Location: Dybburgh Colliery Woodthorpe  
 Signed: [Signature] Date: 26-03-14  
 (Please print clearly) E-mail: .....  
 Name: P Smith Telephone: 0114 289 4080  
 Position: Technical Assistant  
 For and on behalf of (name of applicant) Gibson Henry

Please return this completed terms and conditions agreement to:

The Coal Authority, Licensing & Permits Office, 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG or e-mail it to [permissions@coal.gov.uk](mailto:permissions@coal.gov.uk)