



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: CB(2)
 Date: 7/4/14 Client: Gleeson Homes Crew Details: Ryan Edwards
 Sheet: 2 of: 2 Working Day No. Monday Danny Harrod

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|-----|-------|-------|--------------------|
| P43 | 0.00 | 1.50 | 0i3 | S44 | 0.00 | 1.50 | 0i3 |
| | 1.50 | 14.50 | Sandstone | | 1.50 | 14.60 | Sandstone |
| | 14.50 | 17.40 | Sandstone-mudstone | | 14.60 | 18.00 | Sandstone-mudstone |
| | 17.40 | 19.00 | Coal | | 18.00 | 20.50 | Broken Ground. |
| | 19.00 | 20.00 | Sandstone | | 20.50 | 21.50 | SOLID. |
| R43 | 0.00 | 1.50 | 0i3 | Q44 | 0.00 | 1.50 | 0i3 |
| | 1.50 | 14.60 | Sandstone | | 1.50 | 14.70 | Sandstone |
| | 14.60 | 17.30 | Sandstone-mudstone | | 14.70 | 17.60 | Sandstone-mudstone |
| | 17.30 | 19.00 | Coal | | 17.60 | 19.20 | Coal |
| | 19.00 | 20.00 | Sandstone | | 19.20 | 20.20 | Sandstone |
| U44 | 0.00 | 1.50 | 0i3 | R44 | 0.00 | 1.50 | 0i3 |
| | 1.50 | 14.80 | Sandstone | | 1.50 | 15.00 | Sandstone |
| | 14.80 | 17.50 | Sandstone-mudstone | | 15.00 | 18.00 | Sandstone-mudstone |
| | 17.50 | 18.50 | Soft | | 18.00 | 19.20 | Soft |
| | 18.50 | 19.50 | SOLID. | | 19.20 | 20.20 | SOLID. |
| T44 | 0.00 | 1.50 | 0i3 | | | | |
| | 1.50 | 14.60 | Sandstone | | | | |
| | 14.60 | 17.80 | Sandstone-mudstone | | | | |
| | 17.80 | 20.50 | Broken Ground | | | | |
| | 20.50 | 21.50 | SOLID. | | | | |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | 15 | 302 | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>R. Edwards</u> Date: <u>7/4/14</u> | Previous | 43 | 844 | |
| Signed by Client: _____ Date: _____ | To Date | 58 | 1146 | |



Remediation

OPENHOLE DRILL LOG


4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

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Job No. 2544 Contract Name: Goldthorpe Rig Type: SM14
 Date: 7-4-14 Client: Gleasons Crew Details: A. Foulstone
 Sheet: 1 of: 2 Working Day No. Monday J. Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|----------------------|-----|-------|-------|-----------------------|
| AE42 | 0-0 | 2-00 | Clay | 242 | 0-0 | 1-60 | Clay |
| | 2-00 | 15-00 | Sandstone - mudstone | | 1-60 | 16-00 | Sandstone - mudstone |
| | 15-00 | 16-60 | Coal | | 16-00 | 17-50 | Coal |
| | 16-60 | 17-60 | Mudstone | | 17-50 | 18-50 | Mudstone |
| AD42 | 0-0 | 2-00 | Clay | 742 | 0-0 | 2-00 | Clay |
| | 2-00 | 15-00 | Sandstone - mudstone | | 2-00 | 16-00 | Sandstone - mudstone |
| | 15-00 | 16-60 | Coal | | 16-00 | 17-60 | Soft strata |
| | 16-60 | 17-60 | Mudstone | | 17-60 | 18-60 | Mudstone Poor returns |
| AC42 | 0-0 | 1-70 | Clay | X42 | 0-0 | 2-00 | Clay |
| | 1-70 | 15-50 | Sandstone - mudstone | | 2-00 | 16-00 | Sandstone - mudstone |
| | 15-50 | 17-00 | Coal | | 16-00 | 17-50 | Soft strata |
| | 17-00 | 18-00 | Mudstone | | 17-50 | 18-50 | Mudstone Poor returns |
| AB42 | 0-0 | 1-50 | Clay | W42 | 0-0 | 1-80 | Clay |
| | 1-50 | 15-50 | Sandstone - mudstone | | 1-80 | 16-00 | Sandstone - mudstone |
| | 15-50 | 17-00 | Coal | | 16-00 | 17-80 | Soft strata |
| | 17-00 | 18-00 | Mudstone | | 17-80 | 18-80 | Mudstone Poor returns |
| AA42 | 0-6 | 1-50 | Clay | W43 | 0-0 | 2-00 | Clay |
| | 1-50 | 16-00 | Sandstone - mudstone | | 2-00 | 16-00 | Sandstone - mudstone |
| | 16-00 | 17-50 | Coal | | 16-00 | 17-80 | Soft strata |
| | 17-50 | 18-50 | Mudstone | | 17-80 | 18-80 | Mudstone Poor returns |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Previous | | | |
| Date: _____ | To Date | | | |
| Signed by Client: _____ | | | | |
| Date: _____ | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB


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Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: SM14
 Date: 7-4-14 Client: Gleasons Crew Details: A. Fauston
 Sheet: 2 of: 2 Working Day No. Monday J. Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|----------------------|----|------|----|--------------------|
| AE43 | 0-0 | 1-50 | Clay | | | | |
| | 1-50 | 15-00 | Sandstone - mudstone | | | | |
| | 15-00 | 16-60 | Coal | | | | |
| | 16-60 | 17-60 | Mudstone | | | | |
| AD43 | 0-0 | 1-70 | Clay | | | | |
| | 1-70 | 15-10 | Sandstone - mudstone | | | | |
| | 15-10 | 16-70 | Coal | | | | |
| | 16-70 | 17-70 | Mudstone | | | | |

| | | | | |
|---|----------|-----------|---------|-------|
| Remarks | Totals | Boreholes | Drilled | Cased |
| Drilling for 10-30 (Awaiting comp) | | | | |
| All filled material cased- | Today | 12 | 2/8-2 | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Previous | — | — | |
| Date: 7-4-14 | To Date | 12 | 2/8-2 | |
| Signed by Client: | | | | |
| Date: | | | | |



OPENHOLE DRILL LOG

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Remediation

Job No. 2544 Contract Name: Gouldthorpe Rig Type: Smith
 Date: 8-4-14 Client: Gleeson's Crew Details: A-Faulstone
 Sheet: 1 of: 2 Working Day No. Tuesday J-Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|-----------------------|------|-------|-------|-----------------------|
| AC43 | 00 | 1-50 | Clay | X43 | 00 | 1-50 | Clay |
| | 1-50 | 15-50 | Sandstone-Mudstone | | 1-50 | 16-50 | Sandstone-Mudstone |
| | 15-50 | 17-00 | Coal | | 16-50 | 18-10 | Coal |
| | 17-00 | 18-00 | Mudstone | | 18-10 | 19-10 | Mudstone |
| AB43 | 00 | 1-70 | Clay | AE44 | 00 | 1-50 | Clay |
| | 1-70 | 15-50 | Sandstone-Mudstone | | 1-50 | 15-50 | Sandstone-Mudstone |
| | 15-50 | 17-00 | Coal | | 15-50 | 17-00 | Soft Strata |
| | 17-00 | 18-00 | Mudstone | | 17-00 | 18-00 | Mudstone Poor Returns |
| AA43 | 00 | 1-70 | Clay | AD44 | 00 | 1-70 | Clay |
| | 1-70 | 16-00 | Sandstone-Mudstone | | 1-70 | 15-50 | Sandstone-Mudstone |
| | 16-00 | 17-50 | Coal | | 15-50 | 17-00 | Soft Strata |
| | 17-50 | 18-50 | Mudstone | | 17-00 | 18-00 | Mudstone Poor Returns |
| Z43 | 00 | 1-60 | Clay | AC44 | 00 | 1-50 | Clay |
| | 1-60 | 16-00 | Sandstone-Mudstone | | 1-50 | 15-70 | Sandstone-Mudstone |
| | 16-00 | 17-60 | Soft Strata | | 15-70 | 17-20 | Soft Strata |
| | 17-60 | 18-60 | Mudstone Poor Returns | | 17-20 | 18-20 | Mudstone Poor Returns |
| Y43 | 00 | 1-70 | Clay | AB44 | 00 | 1-80 | Clay |
| | 1-70 | 16-20 | Sandstone-Mudstone | | 1-80 | 16-00 | Sandstone-Mudstone |
| | 16-20 | 17-70 | Coal | | 16-00 | 18-00 | Broken Ground |
| | 17-70 | 18-70 | Mudstone | | 18-00 | 19-00 | No Flush |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|--------|-----------|---------|-------|
| | | | | |
| | | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | | | | |
| Signed by Client: _____ | | | | |



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Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: SM14
 Date: 8-4-14 Client: Gleasons Crew Details: A Fawcett
 Sheet: 2 of: 2 Working Day No. Tuesday J-Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|--------------------|----|------|----|--------------------|
| AA44 | 0-0 | 1-80 | Clay | | | | |
| | 1-80 | 16-00 | Sandstone-Mudstone | | | | |
| | 16-00 | 17-60 | Coal | | | | |
| | 17-60 | 18-60 | Mudstone | | | | |
| Z44 | 0-0 | 1-70 | Clay | | | | |
| | 1-70 | 16-30 | Sandstone-Mudstone | | | | |
| | 16-30 | 17-80 | Coal | | | | |
| | 17-80 | 18-80 | Mudstone | | | | |

| | | | | | |
|--|--|-----------|---------|-------|--|
| Remarks <i>Drilling for Nam (Awaiting Fuel)</i> | Totals | Boreholes | Drilled | Cased | |
| | <i>All fill material cased off.</i> | Today | 12 | 221-5 | |
| | Signed by Sirius Remediation Ltd (Drilling Division): <i>A</i> Date: <i>8-4-14</i> | Previous | 12 | 218-2 | |
| | Signed by Client: _____ Date: _____ | To Date | 24 | 439-7 | |



OPENHOLE DRILL LOG

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Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: XP
 Date: 8/4/14 Client: Gleeson Crew Details: D. Gayle
 Sheet: 1 of 2 Working Day No. Tue 5-flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|-----|-------|-------|--------------------|
| Q34 | GL | 1.5 | Overburden | M35 | GL | 1.5 | Overburden |
| | 1.5 | 18.00 | Mudstone | | 1.5 | 17.9 | Mudstone |
| | 18.00 | 19.6 | Coal | | 17.9 | 19.4 | Coal |
| | 19.6 | 20.6 | Mudstone | | 19.4 | 20.4 | Mudstone |
| R34 | GL | 1.5 | Overburden | N35 | GL | 1.5 | Overburden |
| | 1.5 | 17.9 | Mudstone | | 1.5 | 18.00 | Mudstone |
| | 17.9 | 19.5 | Coal | | 18.00 | 19.6 | Coal |
| | 19.5 | 20.5 | Mudstone | | 19.6 | 20.6 | Mudstone |
| S34 | GL | 1.5 | Overburden | O35 | GL | 1.5 | Overburden |
| | 1.5 | 18.00 | Mudstone | | 1.5 | 18.1 | Mudstone |
| | 18.00 | 19.6 | Coal | | 18.1 | 19.6 | Coal |
| | 19.6 | 20.6 | Mudstone | | 19.6 | 20.6 | Mudstone |
| T34 | GL | 1.5 | Overburden | P35 | GL | 1.5 | Overburden |
| | 1.5 | 18.00 | Mudstone | | 1.5 | 18.00 | Mudstone |
| | 18.00 | 19.6 | Coal | | 18.00 | 19.6 | Coal |
| | 19.6 | 20.6 | Mudstone | | 19.6 | 20.6 | Mudstone |
| L35 | GL | 1.5 | Overburden | Q35 | GL | 1.5 | Overburden |
| | 1.5 | 17.8 | Mudstone | | 1.5 | 18.00 | Mudstone |
| | 17.8 | 19.3 | Coal | | 18.00 | 19.6 | Coal |
| | 19.3 | 20.3 | Mudstone | | 19.6 | 20.6 | Mudstone |

| | | | | |
|--|------------------------|-----------|---------|-------|
| Remarks <u>Standing for diesel 7.30am - 10.30am.</u> | Totals | Boreholes | Drilled | Cased |
| | Today | | | |
| | Previous | | | |
| | To Date | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Date: <u>8/4/14</u> | | | |
| Signed by Client: | Date: | | | |



OPENHOLE DRILL LOG

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Remediation

Job No. 2544. Contract Name: Goldthorpe. Rig Type: XP.
 Date: 8/4/14. Client: Gleeson Crew Details: D. Gayler
 Sheet: 2 of 2. Working Day No. Tue. J Flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|------|------|--------------------|----|------|----|--------------------|
| R35 | GL | 1.5 | Overburden | | | | |
| | 1.5 | 17.7 | Mudstone | | | | |
| | 17.7 | 19.3 | Coal | | | | |
| | 19.3 | 20.3 | Mudstone | | | | |
| S35 | GL | 1.5 | Overburden | | | | |
| | 1.5 | 17.5 | Mudstone | | | | |
| | 17.5 | 19.1 | Coal | | | | |
| | 19.1 | 20.1 | Mudstone | | | | |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | Today | 12 | 245.8 | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u></u> Date: _____ | Previous | | | |
| Signed by Client: _____ Date: _____ | To Date | | | |



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Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: C6(2)
 Date: 8/4/14 Client: Gleeson Homes Crew Details: Ryan Edwards
 Sheet: 1 of: 2 Working Day No. Tuesday Danny Harrod.

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|-----|-------|-------|--------------------|
| P44 | 0.00 | 1.50 | oB | R45 | 0.00 | 1.50 | oB |
| | 1.50 | 14.60 | Sandstone | | 1.50 | 14.70 | Sandstone |
| | 14.60 | 17.60 | Sandstone-mudstone | | 14.70 | 17.60 | Sandstone-mudstone |
| | 17.60 | 19.30 | Coal | | 17.60 | 19.20 | Coal |
| | 19.30 | 20.30 | Sandstone | | 19.20 | 20.20 | Sandstone |
| U45 | 0.00 | 1.50 | oB | Q45 | 0.00 | 1.50 | oB |
| | 1.50 | 14.60 | Sandstone | | 1.50 | 14.50 | Sandstone |
| | 14.60 | 17.40 | Sandstone-mudstone | | 14.50 | 17.50 | Sandstone-mudstone |
| | 17.40 | 19.00 | Coal | | 17.50 | 19.00 | Coal |
| | 19.00 | 20.00 | Sandstone | | 19.00 | 20.00 | Sandstone |
| T45 | 0.00 | 1.50 | oB | P45 | 0.00 | 1.50 | oB |
| | 1.50 | 15.00 | Sandstone | | 1.50 | 14.70 | Sandstone |
| | 15.00 | 17.60 | Sandstone-mudstone | | 14.70 | 17.70 | Sandstone-mudstone |
| | 17.60 | 19.20 | Coal | | 17.70 | 19.40 | Coal |
| | 19.20 | 20.20 | Sandstone | | 19.40 | 20.40 | Sandstone |
| S45 | 0.00 | 1.50 | oB | U46 | 0.00 | 1.50 | oB |
| | 1.50 | 14.70 | Sandstone | | 1.50 | 14.60 | Sandstone |
| | 14.70 | 17.50 | Sandstone-mudstone | | 14.60 | 17.50 | Sandstone-mudstone |
| | 17.50 | 19.10 | Coal | | 17.50 | 19.10 | Coal |
| | 19.10 | 20.10 | Sandstone | | 19.10 | 20.10 | Sandstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>R. Edwards</u> Date: <u>8/4/14</u> | Previous | | | |
| Signed by Client: _____ Date: _____ | To Date | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

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Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Gouldthorpe Rig Type: C6 (2)
 Date: 8/4/14 Client: Gleeson Homes Crew Details: Ryan Edwards
 Sheet: 2 of: 2 Working Day No. tuesday Danny Harrod

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|----|------|----|--------------------|
| T4b | 0.00 | 1.50 | oib | | | | |
| | 1.50 | 14.80 | Sandstone | | | | |
| | 14.80 | 17.70 | Sandstone-mudstone | | | | |
| | 17.70 | 19.30 | Coal | | | | |
| | 19.30 | 20.30 | Sandstone | | | | |
| S4b | 0.00 | 1.50 | oib | | | | |
| | 1.50 | 14.70 | Sandstone | | | | |
| | 14.70 | 17.50 | Sandstone-mudstone | | | | |
| | 17.50 | 19.10 | Coal | | | | |
| | 19.10 | 20.10 | Sandstone | | | | |
| Q4b | 0.00 | 1.50 | oib | | | | |
| | 1.50 | 14.80 | Sandstone | | | | |
| | 14.80 | 17.60 | Sandstone-mudstone | | | | |
| | 17.60 | 19.20 | Coal | | | | |
| | 19.20 | 20.20 | Sandstone. | | | | |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | 11 | 221.9 | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>R. Edwards</u> Date: <u>8/4/14</u> | Previous | 58 | 1146 | |
| Signed by Client: _____ Date: _____ | To Date | 69 | 1367.9 | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

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Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: SM14
 Date: 9-6-14 Client: Gleasons Crew Details: A. Foulstone
 Sheet: 1 of 2 Working Day No. Wednesday J. Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|-----------------------|-----|-------|-------|----------------------|
| 744 | 0-0 | 1-50 | Clay | AC4 | 0-0 | 1-50 | Clay |
| | 1-50 | 16-30 | Sandstone - Mudstone | | 1-50 | 18-50 | Sandstone - Mudstone |
| | 16-30 | 17-80 | Coal | | 18-50 | 17-10 | Coal |
| | 17-80 | 18-80 | Mudstone | | 17-10 | 18-10 | Mudstone |
| XL44 | 0-0 | 1-50 | Clay | AB4 | 0-0 | 1-50 | Clay |
| | 1-50 | 16-50 | Sandstone - Mudstone | | 1-50 | 18-60 | Sandstone - Mudstone |
| | 16-50 | 18-10 | Coal | | 18-60 | 17-10 | Coal |
| | 18-10 | 19-10 | Mudstone | | 17-10 | 18-10 | Mudstone |
| W44 | 0-0 | 1-60 | Clay | AA4 | 0-0 | 1-70 | Clay |
| | 1-60 | 16-50 | Sandstone - Mudstone | | 1-70 | 18-50 | Sandstone - Mudstone |
| | 16-50 | 18-50 | Soft strata | | 18-50 | 17-00 | Coal |
| | 18-50 | 19-50 | Mudstone Poor Returns | | 17-00 | 18-00 | Mudstone |
| AE4 | 0-0 | 1-70 | Clay | Z4 | 0-0 | 1-60 | Clay |
| | 1-70 | 15-00 | Sandstone - Mudstone | | 1-60 | 16-00 | Sandstone - Mudstone |
| | 15-00 | 16-70 | Soft strata | | 16-00 | 17-50 | Coal |
| | 16-70 | 17-70 | Mudstone Poor Returns | | 17-50 | 18-50 | Mudstone |
| AD4 | 0-0 | 1-70 | Clay | Y4 | 0-0 | 1-60 | Clay |
| | 1-70 | 18-50 | Sandstone - Mudstone | | 1-60 | 16-30 | Sandstone - Mudstone |
| | 18-50 | 17-00 | Coal | | 16-30 | 17-90 | Coal |
| | 17-00 | 18-00 | Mudstone | | 17-90 | 18-90 | Mudstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>AF</u> Date: <u>9-6-14</u> | Previous | | | |
| Signed by Client: _____ Date: _____ | To Date | | | |



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Remediation

Job No. 2544 Contract Name: Goldtherpe Rig Type: SM14
 Date: 9-4-14 Client: Gleesons Crew Details: A. Fairstone
 Sheet: 2 of 2 Working Day No. Wednesday J. Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|----------------------|------|-------|-------|----------------------|
| X41 | 0-0 | 1-90 | Clay | 240 | 0-0 | 1-50 | Clay |
| | 1-90 | 16-50 | Sandstone-mudstone | | 1-50 | 16-30 | Sandstone-mudstone |
| | 16-50 | 18-00 | Coal | | 16-30 | 17-80 | Coal |
| | 18-00 | 19-00 | Mudstone | | 17-80 | 18-80 | Mudstone |
| AD40 | 0-0 | 1-80 | Clay | Y40 | 0-0 | 1-50 | Clay |
| | 1-80 | 14-50 | Sandstone-mudstone | | 1-50 | 16-50 | Sandstone-mudstone |
| | 14-50 | 16-50 | Soft Strata | | 16-50 | 18-00 | Coal |
| | 16-50 | 17-50 | Mudstone Por returns | | 18-00 | 19-00 | Mudstone |
| AC40 | 0-0 | 1-70 | Clay | X40 | 0-0 | 1-50 | Clay |
| | 1-70 | 15-00 | Sandstone-mudstone | | 1-50 | 16-50 | Sandstone-mudstone |
| | 15-00 | 16-50 | Coal | | 16-50 | 18-00 | Coal |
| | 16-50 | 17-50 | Mudstone | | 18-00 | 19-00 | Mudstone |
| AB40 | 0-0 | 1-50 | Clay | AD39 | 0-0 | 1-30 | Clay |
| | 1-50 | 16-00 | Sandstone-mudstone | | 1-30 | 15-00 | Sandstone-mudstone |
| | 16-00 | 17-50 | Coal | | 15-00 | 16-50 | Soft Strata |
| | 17-50 | 18-50 | Mudstone | | 16-50 | 17-50 | Mudstone Por returns |
| AA40 | 0-0 | 1-70 | Clay | AC39 | 0-0 | 1-50 | Clay |
| | 1-70 | 16-50 | Sandstone-mudstone | | 1-50 | 15-00 | Sandstone-mudstone |
| | 16-50 | 18-00 | Coal | | 15-00 | 16-50 | Coal |
| | 18-00 | 19-00 | Mudstone | | 16-50 | 17-50 | Mudstone |

| | | | | |
|--|---------------------|-----------|---------|-------|
| Remarks <i>All holes cased to rock</i> | Totals | Boreholes | Drilled | Cased |
| | | 20 | 368-00 | |
| Signed by Sirius Remediation Ltd (Drilling Division): <i>A</i> | Date: <i>9-4-14</i> | Previous | | |
| Signed by Client: | Date: | To Date | | |



OPENHOLE DRILL LOG

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Tel: 0113 264 9960

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Remediation

Job No. 2544 Contract Name: Goldthorpe. Rig Type: XP.
 Date: 9/11/14. Client: Gleeson. Crew Details: D. Gayler
 Sheet: 1 of: 2 Working Day No. weds. J-Flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|-----|------|------|--------------------|
| L36 | Gr | 1.5 | Overburden | Q36 | Gr | 1.5 | Overburden |
| | 1.5 | 18.20 | Mudstone | | 1.5 | 17.8 | Mudstone |
| | 18.20 | 19.6 | Coar | | 17.8 | 19.4 | Coar |
| | 19.6 | 20.6 | Mudstone. | | 19.4 | 20.4 | Mudstone |
| M36 | Gr | 1.5 | Overburden | R36 | Gr | 1.5 | Overburden |
| | 1.5 | 17.9 | Mudstone | | 1.5 | 17.8 | Mudstone |
| | 17.9 | 19.5 | Coar | | 17.8 | 19.4 | Coar |
| | 19.5 | 20.5 | Mudstone. | | 19.4 | 20.4 | Mudstone |
| N36 | Gr | 1.5 | Overburden | S36 | Gr | 1.5 | Overburden |
| | 1.5 | 17.9 | Mudstone | | 1.5 | 17.7 | Mudstone |
| | 17.9 | 19.5 | Coar | | 17.7 | 19.3 | Coar |
| | 19.5 | 20.5 | Mudstone | | 19.3 | 20.3 | Mudstone. |
| O36 | Gr | 1.5 | Overburden | T36 | Gr | 1.5 | Overburden |
| | 1.5 | 17.8 | Mudstone | | 1.5 | 17.6 | Mudstone |
| | 17.8 | 19.4 | Coar | | 17.6 | 19.2 | Coar |
| | 19.4 | 20.4 | Mudstone | | 19.2 | 20.2 | Mudstone |
| P36 | Gr | 1.5 | Overburden | T37 | Gr | 1.5 | Overburden |
| | 1.5 | 17.7 | Mudstone. | | 1.5 | 17.7 | Mudstone |
| | 17.7 | 19.3 | Coar | | 17.7 | 19.3 | Coar |
| | 19.3 | 20.3 | Mudstone | | 19.3 | 20.3 | Mudstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  Date: <u>9/11/14.</u> | Previous | | | |
| Signed by Client: _____ Date: _____ | To Date | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB


Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: XP
 Date: 9/14/14 Client: Cleesans Crew Details: D. Guffar
 Sheet: 2 of 2 Working Day No. wed. J. Flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|------|------|--------------------|-----|-------|-------|--------------------|
| S37 | GL | 1.5 | Overburden | N37 | GL | 1.5 | Overburden |
| | 1.5 | 17.6 | Mudstone | | 1.5 | 17.6 | Mudstone |
| | 17.6 | 19.2 | Coal | | 17.6 | 19.3 | Coal |
| | 19.2 | 20.2 | Mudstone | | 19.3 | 20.3 | Mudstone |
| R37 | GL | 1.5 | Overburden | M37 | GL | 1.5 | Overburden |
| | 1.5 | 17.6 | Mudstone | | 1.5 | 17.6 | Mudstone |
| | 17.6 | 19.2 | Coal | | 17.6 | 19.2 | Coal |
| | 19.2 | 20.2 | Mudstone | | 19.2 | 20.2 | Mudstone |
| Q37 | GL | 1.5 | Overburden | M31 | GL | 1.5 | Overburden |
| | 1.5 | 17.7 | Mudstone | | 1.5 | 18.20 | Mudstone |
| | 17.7 | 19.3 | Coal | | 18.20 | 19.7 | Coal |
| | 19.3 | 20.3 | Mudstone | | 19.7 | 20.7 | Mudstone |
| P37 | GL | 1.5 | Overburden | | | | |
| | 1.5 | 17.7 | Mudstone | | | | |
| | 17.7 | 19.3 | Soft / Coal trace | | | | |
| | 19.3 | 20.3 | Mudstone | | | | |
| D37 | GL | 1.5 | Overburden | | | | |
| | 1.5 | 17.5 | Mudstone | | | | |
| | 17.5 | 19.1 | Coal | | | | |
| | 19.1 | 20.1 | Mudstone | | | | |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | 18 | 366.2 | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Previous | | | |
| Date: <u>9/14/14</u> | To Date | | | |
| Signed by Client: _____ | | | | |
| Date: _____ | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: C6 (2)
 Date: 9/4/14 Client: Gleeson Homes Crew Details: Ryan Edwards
 Sheet: 1 of: 2 Working Day No. WED Danny Harrod.

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|--------------------|------|-------|-------|--------------------|
| R46 | 0.00 | 1.50 | oB | AE35 | 0.00 | 1.50 | oB |
| | 1.50 | 14.80 | sandstone | | 1.50 | 16.70 | Sandstone-mudstone |
| | 14.80 | 17.50 | Sandstone-mudstone | | 16.70 | 18.70 | Soft |
| | 17.50 | 19.20 | Coal | | 18.70 | 19.70 | SOLID |
| | 19.20 | 20.20 | Sandstone | | | | |
| P46 | 0.00 | 1.50 | oB | AE36 | 0.00 | 1.50 | oB |
| | 1.50 | 14.60 | sandstone | | 1.50 | 16.00 | sandstone-mudstone |
| | 14.60 | 17.80 | Sandstone-mudstone | | 16.00 | 18.30 | Broken G-round |
| | 17.80 | 19.60 | Coal | | 18.30 | 19.30 | SOLID |
| | 19.60 | 20.60 | Sandstone | | | | |
| AE32 | 0.00 | 1.50 | oB | AE37 | 0.00 | 1.50 | oB |
| | 1.50 | 14.00 | Sandstone-mudstone | | 1.50 | 16.20 | Sandstone-mudstone |
| | 14.00 | 15.60 | Coal | | 16.20 | 17.80 | Soft |
| | 15.60 | 16.60 | sandstone | | 17.80 | 18.80 | SOLID |
| | | | | | | | |
| AE33 | 0.00 | 1.50 | oB | AE38 | 0.00 | 1.50 | oB |
| | 1.50 | 15.00 | Sandstone-mudstone | | 1.50 | 14.30 | sandstone-mudstone |
| | 15.00 | 17.00 | Soft | | 14.30 | 16.00 | Coal |
| | 17.00 | 18.00 | SOLID | | 16.00 | 17.00 | Sandstone |
| | | | | | | | |
| AE34 | 0.00 | 1.50 | oB | AE39 | 0.00 | 1.50 | oB |
| | 1.50 | 14.00 | Sandstone-mudstone | | 1.50 | 14.40 | Sandstone-mudstone |
| | 14.00 | 15.60 | Coal | | 14.40 | 16.00 | Coal |
| | 15.60 | 16.60 | Sandstone | | 16.00 | 17.00 | sandstone |
| | | | | | | | |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>R. Edwards</u> Date: <u>9/4/14</u> | Previous | | | |
| Signed by Client: _____ Date: _____ | To Date | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Gouldthorpe Rig Type: CB 2
 Date: 9/4/14 Client: Gleeson Homes Crew Details: Ryan Edwards
 Sheet: 2 of 2 Working Day No. WED Danny Harrod

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|--------------------|-----|-------|-------|--------------------|
| AE40 | 0.00 | 1.50 | o3 | 232 | 0.00 | 1.50 | o3 |
| | 1.50 | 15.10 | sandstone-mudstone | | 1.50 | 14.70 | sandstone-mudstone |
| | 15.10 | 16.50 | Coal | | 14.70 | 16.30 | Coal |
| | 16.50 | 17.50 | Sandstone | | 16.30 | 17.30 | Sandstone |
| AD32 | 0.00 | 1.50 | o3 | Y32 | 0.00 | 1.50 | o3 |
| | 1.50 | 14.20 | sandstone-mudstone | | 1.50 | 14.80 | sandstone-mudstone |
| | 14.20 | 15.90 | Coal | | 14.80 | 16.40 | Coal |
| | 15.90 | 16.90 | Sandstone | | 16.40 | 17.40 | Sandstone |
| AL32 | 0.00 | 1.50 | o3 | X32 | 0.00 | 1.50 | o3 |
| | 1.50 | 14.40 | sandstone-mudstone | | 1.50 | 15.00 | sandstone-mudstone |
| | 14.40 | 16.00 | Coal | | 15.00 | 16.60 | Coal |
| | 16.00 | 17.00 | Sandstone | | 16.60 | 17.60 | Sandstone |
| AB32 | 0.00 | 1.50 | o3 | W32 | 0.00 | 1.50 | o3 |
| | 1.50 | 15.80 | sandstone-mudstone | | 1.50 | 15.10 | sandstone-mudstone |
| | 15.80 | 18.00 | Broken Ground | | 15.10 | 16.80 | Coal |
| | 18.00 | 19.00 | SOLID | | 16.80 | 17.80 | Sandstone |
| AA32 | 0.00 | 1.50 | o3 | V32 | 0.00 | 1.50 | o3 |
| | 1.50 | 16.00 | sandstone-mudstone | | 1.50 | 14.00 | sandstone-mudstone |
| | 16.00 | 18.20 | Soft | | 14.00 | 15.30 | Dark mudstone |
| | 18.20 | 19.20 | SOLID | | 15.30 | 17.00 | Coal |
| | | | | | 17.00 | 18.00 | sandstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | 20 | 361.5 | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>R. Edwards</u> Date: <u>9/4/14</u> | Previous | 69 | 1367.9 | |
| Signed by Client: _____ Date: _____ | To Date | 89 | 1729.4 | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: SM14
 Date: 10-4-14 Client: Gleeson's Crew Details: A. Faustone
 Sheet: 1 of 3 Working Day No. Thursday J. Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|--------------------|------|-------|-------|-----------------------|
| AB39 | 0-0 | 1-50 | Clay | W39 | 0-0 | 1-50 | Clay |
| | 1-50 | 15-50 | Sandstone-Mudstone | | 1-50 | 16-50 | Sandstone-Mudstone |
| | 15-50 | 17-00 | Coal | | 16-50 | 18-00 | Coal |
| | 17-00 | 18-00 | Mudstone | | 18-00 | 19-00 | Mudstone |
| AA39 | 0-0 | 1-50 | Clay | AD38 | 0-0 | 1-80 | Clay |
| | 1-50 | 15-80 | Sandstone-Mudstone | | 1-80 | 14-50 | Sandstone-Mudstone |
| | 15-80 | 17-30 | Coal | | 14-50 | 16-00 | Soft Strata |
| | 17-30 | 18-30 | Mudstone | | 16-00 | 17-00 | Mudstone Poor Returns |
| Z39 | 0-0 | 1-60 | Clay | AC38 | 0-0 | 1-50 | Clay |
| | 1-60 | 16-00 | Sandstone-Mudstone | | 1-50 | 15-00 | Sandstone-Mudstone |
| | 16-00 | 17-50 | Coal | | 15-00 | 17-00 | Soft Strata |
| | 17-50 | 18-50 | Mudstone | | 17-00 | 18-00 | Mudstone Poor Returns |
| Y39 | 0-0 | 1-60 | Clay | AB38 | 0-0 | 1-50 | Clay |
| | 1-60 | 16-20 | Sandstone-Mudstone | | 1-50 | 15-50 | Sandstone-Mudstone |
| | 16-20 | 17-70 | Coal | | 15-50 | 17-00 | Coal |
| | 17-70 | 18-70 | Mudstone | | 17-00 | 18-00 | Mudstone |
| X39 | 0-0 | 1-50 | Clay | AA38 | 0-0 | 1-50 | Clay |
| | 1-50 | 16-50 | Sandstone-Mudstone | | 1-50 | 15-50 | Sandstone-Mudstone |
| | 16-50 | 18-00 | Coal | | 15-50 | 17-00 | Coal |
| | 18-00 | 19-00 | Mudstone | | 17-00 | 18-00 | Mudstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>A. Faustone</u> Date: <u>10-4-14</u> | Previous | | | |
| Signed by Client: _____ Date: _____ | To Date | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB


Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: SM14
 Date: 10-4-14 Client: Gleeson's Crew Details: A. Faustone
 Sheet: 2 of: 3 Working Day No. Thursday J. Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|----------------------|------|-------|-------|----------------------|
| Z38 | 0-0 | 1-30 | Clay | AD37 | 0-0 | 1-20 | Clay |
| | 1-30 | 15-00 | Sandstone - mudstone | | 1-20 | 14-50 | Sandstone - mudstone |
| | 15-00 | 17-00 | Soft strata | | 14-50 | 16-10 | Coal |
| | 17-00 | 18-00 | Mudstone Por returns | | 16-10 | 17-10 | mudstone |
| Y38 | 0-0 | 1-30 | Clay | AC37 | 0-0 | 1-30 | Clay |
| | 1-30 | 15-50 | Sandstone - mudstone | | 1-30 | 15-00 | Sandstone - mudstone |
| | 15-50 | 17-00 | Coal | | 15-00 | 16-30 | Soft strata |
| | 17-00 | 18-00 | mudstone | | 16-30 | 17-50 | mudstone Por returns |
| X38 | 0-0 | 1-50 | Clay | AB37 | 0-0 | 1-50 | Clay |
| | 1-50 | 16-00 | Sandstone - mudstone | | 1-50 | 15-20 | Sandstone - mudstone |
| | 16-00 | 17-60 | Coal | | 15-20 | 16-70 | Coal |
| | 17-60 | 18-60 | Mudstone | | 16-70 | 17-70 | mudstone |
| W38 | 0-0 | 1-50 | Clay | AA37 | 0-0 | 1-50 | Clay |
| | 1-50 | 16-50 | Sandstone - mudstone | | 1-50 | 15-50 | Sandstone - mudstone |
| | 16-50 | 18-00 | Coal | | 15-50 | 17-00 | Coal |
| | 18-00 | 19-00 | mudstone | | 17-00 | 18-00 | mudstone |
| V38 | 0-0 | 1-30 | Clay | Z37 | 0-0 | 1-50 | Clay |
| | 1-30 | 16-50 | Sandstone - mudstone | | 1-50 | 15-50 | Sandstone - mudstone |
| | 16-50 | 18-00 | Coal | | 15-50 | 17-50 | Soft strata |
| | 18-00 | 19-00 | mudstone | | 17-50 | 18-50 | Mudstone Por returns |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|--------|-----------|---------|-------|
| | | | | |
| | | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | | | | |
| Date: <u>10-4-14</u> | | | | |
| Signed by Client: | | | | |
| Date: | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB


Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2564 Contract Name: Goldthorpe. Rig Type: XP.
 Date: 10/4/14. Client: Gleasons Crew Details: D. Gaylor
 Sheet: 1 of 2 Working Day No. Thurs J. Flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|-----|-------|-------|--------------------|
| N31 | G.L | 1.5 | Overburden | J31 | G.L | 1.5 | Overburden |
| | 1.5 | 18.00 | Mudstone | | 1.5 | 17.7 | Mudstone |
| | 18.00 | 19.6 | Coak | | 17.7 | 19.3 | Coak |
| | 19.6 | 20.6 | Mudstone. | | 19.3 | 20.3 | Mudstone. |
| O31 | G.L | 1.5 | Overburden | Q31 | G.L | 1.5 | Overburden |
| | 1.5 | 18.00 | Mudstone | | 1.5 | 16.1 | Mudstone |
| | 18.00 | 19.6 | Soft / Coak Trace. | | 16.1 | 19.00 | Broken Ground |
| | 19.6 | 20.6 | Mudstone. | | 19.00 | 20.00 | Soils. |
| P31 | G.L | 1.5 | Overburden | R31 | G.L | 1.5 | Overburden |
| | 1.5 | 16.6 | Mudstone | | 1.5 | 17.00 | Mudstone |
| | 16.6 | 19.6 | Broken Ground | | 17.00 | 18.6 | Coak |
| | 19.6 | 20.6 | Mudstone. | | 18.6 | 19.6 | Mudstone. |
| L31 | G.L | 1.5 | Overburden | S31 | G.L | 1.5 | Overburden |
| | 1.5 | 17.7 | Mudstone | | 1.5 | 16.9 | Mudstone |
| | 17.7 | 19.3 | Coak | | 16.9 | 18.5 | Coak |
| | 19.3 | 20.3 | Mudstone. | | 18.5 | 19.5 | Mudstone. |
| K31 | G.L | 1.5 | Overburden | T31 | G.L | 1.5 | Overburden |
| | 1.5 | 17.6 | Mudstone | | 1.5 | 16.5 | Mudstone |
| | 17.6 | 19.2 | Coak | | 16.5 | 18.1 | Coak |
| | 19.2 | 20.2 | Mudstone. | | 18.1 | 19.1 | Mudstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|-------------|-----------|---------|-------|
| | | 19 | 365.8 | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Previous | | | |
| Date: <u>10/4/14.</u> | To Date | | | |
| Signed by Client: _____ | Date: _____ | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No: 2544. Contract Name: Goldthorpe Rig Type: XP.
 Date: 10/11/14. Client: Gleasons Crew Details: D. Gaylor
 Sheet: 2 of 2. Working Day No: Thurs. J. Flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|--------------------|-----|-------|-------|--------------------|
| AB31 | GL | 1.5 | Overburden | W31 | GL | 1.5 | Overburden |
| | 1.5 | 14.3 | Mudstone | | 1.5 | 16.00 | Mudstone |
| | 14.3 | 16.00 | Coal | | 16.00 | 17.8 | Coal |
| | 16.00 | 17.00 | Mudstone | | 17.8 | 18.8 | Mudstone |
| AA31 | GL | 1.5 | Overburden | V31 | GL | 1.5 | Overburden |
| | 1.5 | 14.5 | Mudstone | | 1.5 | 16.3 | Mudstone |
| | 14.5 | 17.00 | Soft Ground | | 16.3 | 18.00 | Coal |
| | 17.00 | 18.00 | Mudstone | | 18.00 | 19.00 | Mudstone. |
| Z31 | GL | 1.6 | Overburden | U22 | GL | 1.7 | Overburden |
| | 1.6 | 15.00 | Mudstone | | 1.7 | 15.00 | Mudstone |
| | 15.00 | 17.5 | Broken Ground | | 15.00 | 17.5 | Soft Ground. |
| | 17.5 | 18.5 | Sand | | 17.5 | 18.5 | Mudstone. |
| Y31 | GL | 1.5 | Overburden | U23 | GL | 1.6 | Overburden |
| | 1.5 | 15.5 | Mudstone | | 1.6 | 14.7 | Mudstone |
| | 15.5 | 17.3 | Coal | | 14.7 | 17.3 | Soft Ground |
| | 17.3 | 18.3 | Mudstone | | 17.3 | 18.3 | Mudstone. |
| X31 | GL | 1.5 | Overburden | | | | |
| | 1.5 | 15.8 | Mudstone | | | | |
| | 15.8 | 17.6 | Coal | | | | |
| | 17.6 | 18.6 | Mudstone. | | | | |

| Remarks | Totals | Boreholes | Drilled | Cased |
|--|----------|-----------|---------|-------|
| | | 19 | 365.8 | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>[Signature]</u> Date: <u>10/11/14</u> | Today | | | |
| Signed by Client: _____ Date: _____ | Previous | | | |
| | To Date | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: C62
 Date: 10/4/14 Client: Gleeson Homes Crew Details: Ryan Edwards
 Sheet: 1 of: 2 Working Day No. thur Danny Harrod

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|------|-------|-------|--------------------|
| V33 | 0.00 | 1.50 | o13 | AA33 | 0.00 | 1.50 | o13 |
| | 1.50 | 15.20 | sandstone-mudstone | | 1.50 | 15.20 | sandstone-mudstone |
| | 15.20 | 16.90 | Coal | | 15.20 | 16.90 | Coal |
| | 16.90 | 17.90 | Sandstone | | 16.90 | 17.90 | Sandstone |
| W33 | 0.00 | 1.50 | o13 | A333 | 0.00 | 1.50 | o13 |
| | 1.50 | 15.10 | sandstone-mudstone | | 1.50 | 17.00 | Sandstone-mudstone |
| | 15.10 | 16.70 | Coal | | 17.00 | 18.20 | Soft |
| | 16.70 | 17.70 | Sandstone | | 18.20 | 19.20 | SOLID |
| X33 | 0.00 | 1.50 | o13 | AC33 | 0.00 | 1.50 | o13 |
| | 1.50 | 15.20 | sandstone-mudstone | | 1.50 | 14.70 | Sandstone-mudstone |
| | 15.20 | 16.80 | Coal | | 14.70 | 16.30 | Coal |
| | 16.80 | 17.80 | Sandstone | | 16.30 | 17.30 | Sandstone |
| Y33 | 0.00 | 1.50 | o13 | AD33 | 0.00 | 1.50 | o13 |
| | 1.50 | 16.50 | sandstone-mudstone | | 1.50 | 16.80 | Sandstone-mudstone |
| | 16.50 | 18.00 | Soft | | 16.80 | 18.00 | Soft |
| | 18.00 | 19.00 | SOLID | | 18.00 | 19.00 | SOLID |
| Z33 | 0.00 | 1.50 | o13 | AD34 | 0.00 | 1.50 | o13 |
| | 1.50 | 15.10 | sandstone-mudstone | | 1.50 | 16.50 | sandstone-mudstone |
| | 15.10 | 16.80 | Coal | | 16.50 | 18.00 | Soft |
| | 16.80 | 17.80 | Sandstone | | 18.00 | 19.00 | SOLID |

| Remarks | Totals | Boreholes | Drilled | Cased |
|--|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>R. Edwards</u> Date: <u>10/4/14</u> | Previous | | | |
| Signed by Client: _____ Date: _____ | To Date | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goidthorpe Rig Type: C62
 Date: 10/4/14 Client: Gleeson Homes Crew Details: Ryan Edmund
 Sheet: 2 of: 2 Working Day No. thur Danny Harrod.

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|--------------------|------|-------|-------|--------------------|
| AC34 | 0.00 | 1.50 | o3 | X34 | 0.00 | 1.50 | o3 |
| | 1.50 | 14.60 | Sandstone-mudstone | | 1.50 | 15.20 | Sandstone-mudstone |
| | 14.60 | 16.00 | Coal | | 15.20 | 16.80 | Coal |
| | 16.00 | 17.00 | Sandstone | | 16.80 | 17.80 | sandstone |
| A334 | 0.00 | 1.50 | o3 | W34 | 0.00 | 1.50 | o3 |
| | 1.50 | 14.70 | Sandstone-mudstone | | 1.50 | 15.40 | Sandstone-mudstone |
| | 14.70 | 16.40 | Coal | | 15.40 | 17.00 | Coal |
| | 16.40 | 17.40 | sandstone | | 17.00 | 18.00 | Sandstone |
| AA34 | 0.00 | 1.50 | o3 | V34 | 0.00 | 1.50 | o3 |
| | 1.50 | 15.00 | Sandstone-mudstone | | 1.50 | 15.50 | Sandstone-mudstone |
| | 15.00 | 16.60 | Coal | | 15.50 | 17.20 | Coal |
| | 16.60 | 17.60 | Sandstone | | 17.20 | 18.20 | Sandstone |
| Z34 | 0.00 | 1.50 | o3 | AD35 | 0.00 | 1.50 | o3 |
| | 1.50 | 16.20 | Sandstone-mudstone | | 1.50 | 15.10 | Sandstone-mudstone |
| | 16.20 | 17.50 | Soft | | 15.10 | 16.60 | Soft |
| | 17.50 | 18.50 | SOLID. | | 16.60 | 17.60 | SOLID |
| Y34 | 0.00 | 1.50 | o3 | AC35 | 0.00 | 1.50 | o3 |
| | 1.50 | 15.20 | Sandstone-mudstone | | 1.50 | 16.80 | Sandstone-mudstone |
| | 15.20 | 16.80 | Coal | | 16.80 | 18.00 | Soft |
| | 16.80 | 17.80 | Sandstone | | 18.00 | 19.00 | SOLID |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | 20 | 361.5 | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>R. Edmund</u> Date: <u>10/4/14</u> | Previous | 89 | 1729.4 | |
| Signed by Client: _____ Date: _____ | To Date | 109 | 2090.9 | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB


Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: SM14
 Date: 11-4-14 Client: Gleeson's Crew Details: A. Foulstone
 Sheet: 1 of: 2 Working Day No. Friday J. Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|-----------------------|------|-------|-------|-----------------------|
| X37 | 0-0 | 1-50 | Clay | AB36 | 0-0 | 1-50 | Clay |
| | 1-50 | 16-00 | Sandstone - Mudstone | | 1-50 | 15-00 | Sandstone - Mudstone |
| | 16-00 | 17-50 | Coal | | 15-00 | 16-50 | Soft strata |
| | 17-50 | 18-50 | mudstone | | 16-50 | 17-50 | Mudstone poor returns |
| W37 | 0-0 | 1-50 | Clay | AA36 | 0-0 | 1-50 | Clay |
| | 1-50 | 16-50 | Sandstone - Mudstone | | 1-50 | 15-50 | Sandstone - Mudstone |
| | 16-50 | 18-00 | Coal | | 15-50 | 17-00 | Coal |
| | 18-00 | 19-00 | mudstone | | 17-00 | 18-00 | mudstone |
| V37 | 0-0 | 1-50 | Clay | Z36 | 0-0 | 1-50 | Clay |
| | 1-50 | 16-50 | Sandstone - Mudstone | | 1-50 | 15-50 | Sandstone - Mudstone |
| | 16-50 | 18-00 | Coal | | 15-50 | 17-00 | Coal |
| | 18-00 | 19-00 | mudstone | | 17-00 | 18-00 | mudstone |
| AD36 | 0-0 | 1-70 | Clay | Y36 | 0-0 | 1-40 | Clay |
| | 1-70 | 15-00 | Sandstone - Mudstone | | 1-40 | 16-00 | Sandstone - Mudstone |
| | 15-00 | 16-50 | Soft strata | | 16-00 | 17-50 | Coal |
| | 16-50 | 17-50 | Mudstone poor returns | | 17-50 | 18-50 | mudstone |
| AC36 | 0-0 | 1-60 | Clay | X36 | 0-0 | 1-50 | Clay |
| | 1-60 | 15-00 | Sandstone - Mudstone | | 1-50 | 16-50 | Sandstone - Mudstone |
| | 15-00 | 16-50 | Coal | | 16-50 | 18-00 | Coal |
| | 16-50 | 17-50 | mudstone | | 18-00 | 19-00 | Mudstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Previous | | | |
| Date: <u>11-4-14</u> | To Date | | | |
| Signed by Client: | | | | |
| Date: | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB


Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: SMILY
 Date: 11-4-14 Client: Gleasons Crew Details: A. Founstone
 Sheet: 2 of 2 Working Day No. Friday J. Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|-------------------------|------|-------|-------|-------------------------|
| W36 | 0.0 | 1.50 | Clay | AD45 | 0.0 | 1.50 | Clay |
| | 1.50 | 16.50 | Sandstone - Mudstone | | 1.50 | 16.00 | Sandstone - Mudstone |
| | 16.50 | 18.00 | Coal | | 16.00 | 17.50 | Coal |
| | 18.00 | 19.00 | Mudstone | | 17.50 | 18.50 | Mudstone |
| V36 | 0.0 | 1.70 | Clay | AC45 | 0.0 | 1.50 | Clay |
| | 1.70 | 16.50 | Sandstone - Mudstone | | 1.50 | 15.50 | Sandstone - Mudstone |
| | 16.50 | 18.00 | Coal | | 15.50 | 17.00 | Soft Strata |
| | 18.00 | 19.00 | Mudstone | | 17.00 | 18.00 | Mudstone (Poor returns) |
| AG45 | 0.0 | 1.80 | Clay | AB45 | 0.0 | 1.50 | Clay |
| | 1.80 | 15.50 | Sandstone - Mudstone | | 1.50 | 16.00 | Sandstone - Mudstone |
| | 15.50 | 17.00 | Soft Strata | | 16.00 | 17.50 | Coal |
| | 17.00 | 18.00 | Mudstone (Poor returns) | | 17.50 | 18.50 | Mudstone |
| AF45 | 0.0 | 1.70 | Clay | AA45 | 0.0 | 1.50 | Clay |
| | 1.70 | 15.50 | Sandstone - Mudstone | | 1.50 | 16.50 | Sandstone - Mudstone |
| | 15.50 | 17.00 | Soft Strata | | 16.50 | 18.00 | Coal |
| | 17.00 | 18.00 | Mudstone (Poor returns) | | 18.00 | 19.00 | Mudstone |
| AE45 | 0.0 | 1.50 | Clay | Z45 | 0.0 | 1.50 | Clay |
| | 1.50 | 15.50 | Sandstone - Mudstone | | 1.50 | 16.30 | Sandstone - Mudstone |
| | 15.50 | 17.00 | Coal | | 16.30 | 17.80 | Soft Strata |
| | 17.00 | 18.00 | Mudstone | | 17.80 | 18.80 | Mudstone (Poor returns) |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|--------|-----------|---------|-------|
| | | 20 | 367.3 | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | | Previous | | |
| Date: <u>11-4-14</u> | | To Date | | |
| Signed by Client: | | | | |
| Date: | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB


Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2564 Contract Name: Goldthorpe Rig Type: XP
 Date: 11/4/14 Client: Gleasons Crew Details: D. Gayler
 Sheet: 1 of: 2 Working Day No. fe J Flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|-----|-------|-------|--------------------|
| U31 | GL | 1.6 | Overburden | U28 | GL | 1.6 | Overburden |
| | 1.6 | 16.00 | Mudstone | | 1.6 | 14.6 | Mudstone |
| | 16.00 | 17.7 | Coal | | 14.6 | 17.3 | Soft Ground |
| | 17.7 | 18.7 | Mudstone | | 17.3 | 18.3 | Mudstone |
| U24 | GL | 1.7 | Overburden | U29 | GL | 1.5 | Overburden |
| | 1.7 | 14.7 | Mudstone | | 1.5 | 15.3 | Mudstone |
| | 14.7 | 17.5 | Soft Ground | | 15.3 | 17.00 | Coal |
| | 17.5 | 18.5 | Mudstone | | 17.00 | 18.00 | Mudstone |
| U25 | GL | 1.6 | Overburden | U30 | GL | 1.5 | Overburden |
| | 1.6 | 14.5 | Mudstone | | 1.5 | 15.5 | Mudstone |
| | 14.5 | 17.3 | Soft Ground | | 15.5 | 17.2 | Coal |
| | 17.3 | 18.3 | Mudstone | | 17.2 | 18.2 | Mudstone |
| U26 | GL | 1.6 | Overburden | T30 | GL | 1.5 | Overburden |
| | 1.6 | 15.00 | Mudstone | | 1.5 | 15.7 | Mudstone |
| | 15.00 | 16.8 | Coal | | 15.7 | 17.4 | Coal |
| | 16.8 | 17.8 | Mudstone | | 17.4 | 18.4 | Mudstone |
| U27 | GL | 1.7 | Overburden | S30 | GL | 1.5 | Overburden |
| | 1.7 | 14.5 | Mudstone | | 1.5 | 16.00 | Mudstone |
| | 14.5 | 17.4 | Soft Ground | | 16.00 | 18.6 | Broken Ground |
| | 17.4 | 18.4 | Mudstone | | 18.6 | 19.6 | At Suroo |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Previous | | | |
| Date: <u>11/4/14</u> | To Date | | | |
| Signed by Client: | | | | |
| Date: | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 25464 Contract Name: Goldthorpe Rig Type: XP.
 Date: 11/4/14 Client: Gleasons Crew Details: D. Gayler
 Sheet: 2 of: 2 Working Day No. Fri J. Flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|-----|-------|-------|--------------------|
| R30 | Gr | 1.5 | Overburden | M30 | Gr | 1.5 | Overburden |
| | 1.5 | 16.2 | Mudstone | | 1.5 | 17.4 | Mudstone |
| | 16.2 | 19.25 | Broken Ground | | 17.4 | 19.25 | Coal |
| | 19.25 | 20.25 | Mudstone | | 19.25 | 20.25 | Mudstone |
| Q30 | Gr | 1.5 | Overburden | L30 | Gr | 1.5 | Overburden |
| | 1.5 | 16.4 | Mudstone | | 1.5 | 17.6 | Mudstone |
| | 16.4 | 18.25 | Coal | | 17.6 | 19.2 | Coal |
| | 18.25 | 19.20 | Mudstone | | 19.2 | 20.2 | Mudstone |
| P30 | Gr | 1.5 | Overburden | | | | |
| | 1.5 | 16.5 | Mudstone | | | | |
| | 16.5 | 18.1 | Coal | | | | |
| | 18.1 | 19.1 | Mudstone | | | | |
| O30 | Gr | 1.5 | Overburden | | | | |
| | 1.5 | 16.8 | Mudstone | | | | |
| | 16.8 | 18.4 | Coal | | | | |
| | 18.4 | 19.4 | Mudstone | | | | |
| N30 | Gr | 1.5 | Overburden | | | | |
| | 1.5 | 17.2 | Mudstone | | | | |
| | 17.2 | 18.3 | Coal | | | | |
| | 18.3 | 19.8 | Mudstone | | | | |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | 17 | 321.7 | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Previous | | | |
| Date: <u>11/4/14</u> | To Date | | | |
| Signed by Client: | | | | |
| Date: | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Gouldthorpe Rig Type: C62
 Date: 11/4/14 Client: Gleeson Homes Crew Details: Ryan Edwards
 Sheet: 1 of 2 Working Day No. Fri Danny Harrod

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|--------------------|------|-------|-------|--------------------|
| A335 | 0.00 | 1.50 | o3 | W35 | 0.00 | 1.50 | o3 |
| | 1.50 | 15.10 | sandstone-mudstone | | 1.50 | 15.40 | sandstone-mudstone |
| | 15.10 | 16.70 | Coal | | 15.40 | 17.00 | Coal |
| | 16.70 | 17.70 | sandstone | | 17.00 | 18.00 | sandstone |
| AA35 | 0.00 | 1.50 | o3 | V35 | 0.00 | 1.50 | o3 |
| | 1.50 | 16.00 | Sandstone-mudstone | | 1.50 | 15.60 | Sandstone-mudstone |
| | 16.00 | 18.00 | Broken Ground | | 15.60 | 17.30 | Coal |
| | 18.00 | 19.00 | SOLID. | | 17.30 | 18.30 | SOLID. |
| Z35 | 0.00 | 1.50 | o3 | AF32 | 0.00 | 1.50 | o3 |
| | 1.50 | 16.20 | Sandstone-mudstone | | 1.50 | 15.60 | Sandstone-mudstone |
| | 16.20 | 17.70 | Soft | | 15.60 | 17.80 | Broken Ground |
| | 17.70 | 18.70 | SOLID | | 17.80 | 18.80 | SOLID |
| Y35 | 0.00 | 1.50 | o3 | AF33 | 0.00 | 1.50 | o3 |
| | 1.50 | 15.30 | sandstone-mudstone | | 1.50 | 14.50 | sandstone-mudstone |
| | 15.30 | 17.00 | Coal | | 14.50 | 16.10 | Coal |
| | 17.00 | 18.00 | sandstone | | 16.10 | 17.10 | sandstone |
| X35 | 0.00 | 1.50 | o3 | AF34 | 0.00 | 1.50 | o3 |
| | 1.50 | 15.40 | sandstone-mudstone | | 1.50 | 14.60 | sandstone-mudstone |
| | 15.40 | 17.10 | Coal | | 14.60 | 16.20 | Coal |
| | 17.10 | 18.10 | Sandstone | | 16.20 | 17.20 | sandstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|--|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>R. Edwards</u> Date: <u>11/4/14</u> | Previous | | | |
| Signed by Client: _____ Date: _____ | To Date | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Gouldthorpe Rig Type: C62
 Date: 11/4/14 Client: Gleeson Homes Crew Details: Ryan Edwards
 Sheet: 2 of: 2 Working Day No. Fri Danny Hornrod

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|--------------------|------|-------|-------|--------------------|
| AF35 | 0.00 | 1.50 | 013 | AF40 | 0.00 | 1.50 | 013 |
| | 1.50 | 16.50 | Sandstone-mudstone | | 1.50 | 15.50 | Sandstone-mudstone |
| | 16.50 | 18.50 | Broken ground | | 15.50 | 17.00 | Soft |
| | 18.50 | 19.50 | Sandstone | | 17.00 | 18.00 | SOLID. |
| AF36 | 0.00 | 1.50 | 013 | AF41 | 0.00 | 1.50 | 013 |
| | 1.50 | 16.50 | Sandstone-mudstone | | 1.50 | 16.50 | Sandstone-mudstone |
| | 16.50 | 17.70 | Soft | | 16.50 | 18.50 | Broken ground |
| | 17.70 | 18.70 | Sandstone | | 18.50 | 19.50 | SOLID. |
| AF37 | 0.00 | 1.50 | 013 | AF42 | 0.00 | 1.50 | 013 |
| | 1.50 | 14.80 | Sandstone-mudstone | | 1.50 | 16.00 | Sandstone-mudstone |
| | 14.80 | 16.40 | Coal | | 16.00 | 18.00 | Broken ground |
| | 16.40 | 17.40 | Sandstone | | 18.00 | 19.00 | SOLID |
| AF38 | 0.00 | 1.50 | 013 | AF43 | 0.00 | 1.50 | 013 |
| | 1.50 | 15.00 | Sandstone-mudstone | | 1.50 | 16.00 | Sandstone-mudstone |
| | 15.00 | 16.50 | Coal | | 16.00 | 17.20 | Soft |
| | 16.50 | 17.50 | Sandstone | | 17.20 | 18.20 | SOLID |
| AF39 | 0.00 | 1.50 | 013 | AF44 | 0.00 | 1.50 | 013 |
| | 1.50 | 16.00 | Sandstone-mudstone | | 1.50 | 16.20 | Sandstone-mudstone |
| | 16.00 | 17.50 | Soft | | 16.20 | 17.40 | Soft |
| | 17.50 | 18.50 | SOLID. | | 17.40 | 18.40 | Sandstone-SOLID. |

| Remarks | Totals | Boreholes | Drilled | Cased |
|--|----------|-----------|---------|-------|
| | | 20 | 365.6 | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>R. Edwards</u> Date: <u>11/4/14</u> | Previous | 109 | 2090.9 | |
| Signed by Client: _____ Date: _____ | To Date | 129 | 2456.5 | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: SM14
 Date: 14-04-14 Client: Gleesons Crew Details: A. Foudstone
 Sheet: 1 of: 2 Working Day No. Monday J. Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|----------------------|------|-------|-------|----------------------|
| Y45 | 00 | 1-50 | Clay | AL42 | 00 | 1-50 | Clay |
| | 1-50 | 16-50 | Sandstone-Mudstone | | 1-50 | 14-00 | Sandstone-Mudstone |
| | 16-50 | 18-00 | Coal | | 14-00 | 15-50 | Soft Strata |
| | 18-00 | 19-00 | mudstone | | 15-50 | 16-50 | Mudstone For Returns |
| X45 | 00 | 1-50 | Clay | AK42 | 00 | 1-70 | Clay |
| | 1-50 | 16-50 | Sandstone-Mudstone | | 1-70 | 14-00 | Sandstone-Mudstone |
| | 16-50 | 18-00 | Coal | | 14-00 | 15-50 | Soft Strata |
| | 18-00 | 19-00 | mudstone | | 15-50 | 16-50 | Mudstone For Returns |
| A042 | 00 | 1-20 | Clay | AJ42 | 00 | 1-50 | Clay |
| | 1-20 | 13-50 | Sandstone-Mudstone | | 1-50 | 16-50 | Sandstone-Mudstone |
| | 13-50 | 15-00 | Soft Strata | | 14-50 | 16-00 | Coal |
| | 15-00 | 16-00 | Mudstone For Returns | | 16-00 | 17-00 | mudstone |
| AN42 | 00 | 1-50 | Clay | Ai42 | 00 | 1-50 | Clay |
| | 1-50 | 14-00 | Sandstone-Mudstone | | 1-50 | 14-50 | Sandstone-Mudstone |
| | 14-00 | 15-50 | Coal | | 14-50 | 16-00 | Soft Strata |
| | 15-50 | 16-00 | mudstone | | 16-00 | 17-00 | Mudstone For Returns |
| AM42 | 00 | 1-50 | Clay | AH42 | 00 | 1-50 | Clay |
| | 1-50 | 14-00 | Sandstone-Mudstone | | 1-50 | 15-00 | Sandstone-Mudstone |
| | 14-00 | 15-50 | Soft Strata | | 15-00 | 16-50 | Soft Strata |
| | 15-50 | 16-50 | Mudstone For Returns | | 16-50 | 17-50 | Mudstone For Returns |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>[Signature]</u> Date: <u>14-4-14</u> | Previous | | | |
| Signed by Client: _____ Date: _____ | To Date | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: SM14
 Date: 14-04-14 Client: Gleasons Crew Details: A. Faustone
 Sheet: 2 of: 2 Working Day No. Monday J. Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|-----------------------|------|-------|------------------|-----------------------|
| AG42 | 0-0 | 1-50 | Clay | AK43 | 0-0 | 1-50 | Clay |
| | 1-50 | 15-00 | Sandstone - Mudstone | | 1-50 | 15-00 | Sandstone - Mudstone |
| | 15-00 | 16-50 | Soft Strata | | 15-00 | 16-50 | Coal |
| | 16-50 | 17-50 | Mudstone Poor Returns | | 16-50 | 17-50 | Mudstone |
| A043 | 0-0 | 1-60 | Clay | AJ43 | 0-0 | 1-50 | Clay |
| | 1-60 | 14-00 | Sandstone - Mudstone | | 1-50 | 15-00 | Sandstone - Mudstone |
| | 14-00 | 15-50 | Coal | | 15-00 | 16-50 | Soft Strata |
| | 15-50 | 16-50 | Mudstone | | 16-50 | 17-50 | Mudstone Poor Returns |
| AN43 | 0-0 | 1-50 | Clay | AI43 | 0-0 | 1-50 | Clay |
| | 1-50 | 14-00 | Sandstone - Mudstone | | 1-50 | 15-00 | Sandstone - Mudstone |
| | 14-00 | 15-50 | Soft Strata | | 15-00 | 16-50 | Soft Strata |
| | 15-50 | 16-50 | Mudstone Poor Returns | | 16-50 | 17-50 | Mudstone Poor Returns |
| AM43 | 0-0 | 1-50 | Clay | AH43 | 0-0 | 1-50 | Clay |
| | 1-50 | 14-50 | Sandstone - Mudstone | | 1-50 | 15-50 | Sandstone - Mudstone |
| | 14-50 | 16-00 | Soft Strata | | 15-50 | 17-00 | Soft Strata |
| | 16-00 | 17-00 | Mudstone Poor Returns | | 17-00 | 18-00 | Mudstone Poor Returns |
| AL43 | 0-0 | 1-50 | Clay | AG43 | 0-0 | 1-50 | Clay |
| | 1-50 | 15-00 | Sandstone - Mudstone | | 1-50 | 15-50 | Sandstone - Mudstone |
| | 15-00 | 16-50 | Soft Strata | | 15-50 | 17-00 | Coal |
| | 16-50 | 17-50 | Mudstone Poor Returns | | 17-00 | 18-00 | Mudstone |

| | | | | |
|--|----------------------|-----------|--------------|-------|
| Remarks <u>All holes cased to rock head</u> | Totals | Boreholes | Drilled | Cased |
| | Today | <u>20</u> | <u>344-5</u> | |
| | Previous | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>[Signature]</u> | Date: <u>14-4-14</u> | To Date | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: C62
 Date: 14/4/14 Client: Gleeson Homes Crew Details: Ryan Edwards
 Sheet: 1 of: 1 Working Day No. Monday Danny Howard.

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|--------------------|------|-------|-------|--------------------|
| AG32 | 0.00 | 1.50 | 013 | AW32 | 0.00 | 1.50 | 013 |
| | 1.50 | 15.20 | sandstone-mudstone | | 1.50 | 15.20 | sandstone-mudstone |
| | 15.20 | 17.80 | Broken Ground | | 15.20 | 16.50 | Soft |
| | 17.80 | 18.80 | SOLID | | 16.50 | 17.50 | SOLID |
| AS32 | 0.00 | 1.50 | 013 | A032 | 0.00 | 1.50 | 013 |
| | 1.50 | 14.70 | sandstone-mudstone | | 1.50 | 14.60 | sandstone-mudstone |
| | 14.70 | 16.30 | Coal | | 14.60 | 16.20 | Coal |
| | 16.30 | 17.30 | Sandstone | | 16.20 | 17.20 | Sandstone |
| AK32 | 0.00 | 1.50 | 013 | A033 | 0.00 | 1.50 | 013 |
| | 1.50 | 15.00 | sandstone-mudstone | | 1.50 | 15.50 | sandstone-mudstone |
| | 15.00 | 17.50 | Broken Ground | | 15.50 | 17.50 | Broken Ground |
| | 17.50 | 18.50 | SOLID | | 17.50 | 18.50 | SOLID |
| AL32 | 0.00 | 1.50 | 013 | A034 | 0.00 | 1.50 | 013 |
| | 1.50 | 15.20 | sandstone-mudstone | | 1.50 | 14.80 | sandstone-mudstone |
| | 15.20 | 17.70 | Broken Ground | | 14.80 | 16.30 | soft |
| | 17.70 | 18.70 | SOLID | | 16.30 | 17.30 | SOLID |
| AM32 | 0.00 | 1.50 | 013 | A035 | 0.00 | 1.50 | 013 |
| | 1.50 | 15.30 | sandstone-mudstone | | 1.50 | 15.30 | sandstone-mudstone |
| | 15.30 | 16.80 | Soft | | 15.30 | 16.80 | Soft |
| | 16.80 | 17.80 | SOLID | | 16.80 | 17.80 | SOLID |

| | | | | |
|--|----------|----------------|---------|------------|
| Remarks: <u>Broke down at 11.45 Am fit no rotation on head. Fitter came out and fitted new bolts.</u> | Totals | Boreholes | Drilled | Cased |
| | Today | 10 | 179.4 | |
| | Previous | 129 | 2456.5 | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>R. Edwards</u> | Date: | <u>14/4/14</u> | | |
| Signed by Client: | Date: | | To Date | 139 2635.9 |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

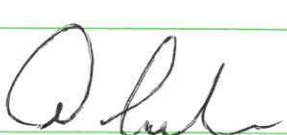
Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544. Contract Name: Goldthorpe. Rig Type: XP
 Date: 14/4/14. Client: Gleasons Crew Details: D. Gaylor
 Sheet: 1 of: 2 Working Day No. Mon. J. Flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|-----|-------|-------|--------------------|
| K30 | Gr | 1.5 | Overburden | K24 | Gr | 1.5 | Overburden |
| | 1.5 | 17.2 | Mudstone | | 1.5 | 17.5 | Mudstone |
| | 17.2 | 18.8 | Coal | | 17.5 | 19.1 | Coal |
| | 18.8 | 19.8 | Mudstone | | 19.1 | 20.1 | Mudstone |
| J30 | Gr | 1.5 | Overburden | K25 | Gr | 1.5 | Overburden |
| | 1.5 | 17.2 | Mudstone | | 1.5 | 17.00 | Mudstone |
| | 17.2 | 18.8 | Coal | | 17.00 | 19.3 | Soft Ground |
| | 18.8 | 19.8 | Mudstone | | 19.3 | 20.3 | Mudstone |
| I30 | Gr | 1.5 | Overburden | K26 | Gr | 1.6 | Overburden |
| | 1.5 | 17.00 | Mudstone | | 1.6 | 17.00 | Mudstone |
| | 17.00 | 18.6 | Coal | | 17.00 | 19.5 | Soft Ground |
| | 18.6 | 19.6 | Mudstone | | 19.5 | 20.5 | Mudstone |
| K22 | Gr | 1.6 | Overburden | K27 | Gr | 1.6 | Overburden |
| | 1.6 | 16.6 | Mudstone | | 1.6 | 16.8 | Mudstone |
| | 16.6 | 19.2 | Broken Ground | | 16.8 | 19.4 | Soft Ground |
| | 19.2 | 20.2 | Soil. | | 19.4 | 20.4 | Mudstone |
| K23 | Gr | 1.6 | Overburden | L21 | Gr | 1.7 | Overburden |
| | 1.6 | 16.8 | Mudstone | | 1.7 | 16.5 | Mudstone |
| | 16.8 | 19.6 | Broken Ground | | 16.5 | 19.00 | Soft Ground |
| | 19.6 | 20.6 | Soil. | | 19.00 | 20.00 | Mudstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|--------|-----------|---------|-------|
| | | | | |
| | | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | | | | |
| Date: <u>14/4/14.</u> | | | | |
| Signed by Client: | | | | |
| Date: | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544. Contract Name: Goldthorpe. Rig Type: XP
 Date: 14/11/14. Client: Gleebars. Crew Details: D. Gaylor
 Sheet: 2 of 2 Working Day No. mon. J. Flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|-----|------|------|--------------------|
| L22 | GL | 1.7 | Overburden | L27 | GL | 1.8 | Overburden |
| | 1.7 | 16.3 | Mudstone | | 1.8 | 16.6 | Mudstone |
| | 16.3 | 19.00 | Soft Ground | | 16.6 | 18.2 | Coar |
| | 19.00 | 20.00 | Mudstone | | 18.2 | 19.2 | Mudstone |
| L23 | GL | 1.7 | Overburden | V30 | GL | 1.5 | Overburden |
| | 1.7 | 16.3 | Mudstone | | 1.5 | 15.6 | Mudstone |
| | 16.3 | 18.9 | Soft Ground | | 15.6 | 17.2 | Coar |
| | 18.9 | 20.00 | Mudstone | | 17.2 | 18.2 | Mudstone |
| L24 | GL | 1.6 | Overburden | W30 | GL | 1.5 | Overburden |
| | 1.6 | 16.4 | Mudstone | | 1.5 | 15.5 | Mudstone |
| | 16.4 | 18.00 | Coar | | 15.5 | 17.1 | Coar |
| | 18.00 | 19.00 | Mudstone | | 17.1 | 18.1 | Mudstone |
| L25 | GL | 1.7 | Overburden | X30 | GL | 1.5 | Overburden |
| | 1.7 | 16.2 | Mudstone | | 1.5 | 15.5 | Mudstone |
| | 16.2 | 18.7 | Soft Ground | | 15.5 | 17.2 | Coar |
| | 18.7 | 19.7 | Mudstone | | 17.2 | 18.2 | Mudstone |
| L26 | GL | 1.8 | Overburden | | | | |
| | 1.8 | 16.3 | Mudstone | | | | |
| | 16.3 | 18.8 | Soft Ground | | | | |
| | 18.8 | 19.8 | Mudstone | | | | |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|--------|-----------|---------|-------|
| | | 19 | 373.5 | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | | | | |
| Date: <u>14/11/14.</u> | | | | |
| Signed by Client: | | | | |
| Date: | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: C62
 Date: 15/4/14 Client: Gleeson Homes Crew Details: Ryan Edwards
 Sheet: 1 of: 2 Working Day No. tuesday Danny Harrod.

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|--------------------|------|-------|-------|--------------------|
| A036 | 0.00 | 1.50 | o13 | A041 | 0.00 | 1.50 | o13 |
| | 1.50 | 14.80 | Sandstone mudstone | | 1.50 | 15.00 | Sandstone-mudstone |
| | 14.80 | 16.40 | Coal | | 15.00 | 17.00 | Broken Ground |
| | 16.40 | 17.40 | Sandstone | | 17.00 | 18.00 | SOLID. |
| A037 | 0.00 | 1.50 | o13 | A033 | 0.00 | 1.50 | o13 |
| | 1.50 | 14.90 | Sandstone-mudstone | | 1.50 | 14.00 | Sandstone-mudstone |
| | 14.90 | 16.50 | Coal | | 14.00 | 16.50 | Broken Ground |
| | 16.50 | 17.50 | Sandstone | | 16.50 | 17.50 | SOLID |
| A038 | 0.00 | 1.50 | o13 | A533 | 0.00 | 1.50 | o13 |
| | 1.50 | 15.00 | Sandstone-mudstone | | 1.50 | 14.80 | Sandstone-mudstone |
| | 15.00 | 16.50 | Soft | | 14.80 | 16.30 | Soft |
| | 16.50 | 17.50 | SOLID | | 16.30 | 17.30 | SOLID. |
| A039 | 0.00 | 1.50 | o13 | AL33 | 0.00 | 1.50 | o13 |
| | 1.50 | 15.20 | Sandstone-mudstone | | 1.50 | 14.80 | Sandstone-mudstone |
| | 15.20 | 17.00 | Soft | | 14.80 | 16.80 | Broken Ground |
| | 17.00 | 18.00 | SOLID | | 16.80 | 17.80 | SOLID. |
| A040 | 0.00 | 1.50 | o13 | AL33 | 0.00 | 1.50 | o13 |
| | 1.50 | 15.30 | Sandstone-mudstone | | 1.50 | 15.10 | Sandstone-mudstone |
| | 15.30 | 17.30 | Broken Ground | | 15.10 | 16.30 | Soft |
| | 17.30 | 18.30 | SOLID. | | 16.30 | 17.30 | SOLID. |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>R. Edwards</u> | | | | |
| Date: <u>15/4/14</u> | Previous | | | |
| Signed by Client: | To Date | | | |
| Date: | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: C6 2
 Date: 15/4/14 Client: Gleeson Homes Crew Details: RYAN EDWARDS
 Sheet: 2 of: 2 Working Day No. tuesday Danny Hawrod.

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|--------------------|----|------|----|--------------------|
| AN33 | 0.00 | 1.50 | OB | | | | |
| | 1.50 | 15.30 | Sandstone-mudstone | | | | |
| | 15.30 | 16.80 | SOFT | | | | |
| | 16.80 | 17.80 | SOLID | | | | |
| AN33 | 0.00 | 1.50 | OB | | | | |
| | 1.50 | 15.00 | Sandstone-mudstone | | | | |
| | 15.00 | 16.30 | SOFT | | | | |
| | 16.30 | 17.30 | SOLID. | | | | |

| | | | | | |
|---|---|----------|-----------|---------|-------|
| Remarks | Started drilling at 13:00 PM - ADD No diesel | Totals | Boreholes | Drilled | Cased |
| | | Today | 12 | 211.7 | |
| Signed by Sirius Remediation Ltd (Drilling Division): | <i>R. Edwards</i> Date: 15/4/14 | Previous | 139 | 2635.9 | |
| Signed by Client: | Date: | To Date | 151 | 2847.6 | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goddthorpe Rig Type: XP
 Date: 15/4/14. Client: Gleasons Crew Details: D. Gaylor
 Sheet: 1 of 1 Working Day No. Tue. 5 - Flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|-----|-------|-------|--------------------|
| M27 | GL | 1.7 | Overburden | J26 | GL | 1.5 | Overburden |
| | 1.7 | 16.3 | Mudstone | | 1.5 | 17.2 | Mudstone |
| | 16.3 | 18.7 | Soft Ground | | 17.2 | 19.7 | Soft Ground |
| | 18.7 | 19.7 | Mudstone | | 19.7 | 20.7 | Mudstone |
| M26 | GL | 1.6 | Overburden | J25 | GL | 1.5 | Overburden |
| | 1.6 | 16.1 | Mudstone | | 1.5 | 17.3 | Mudstone |
| | 16.1 | 18.6 | Soft Ground | | 17.3 | 20.00 | Soft Ground |
| | 18.6 | 19.6 | Mudstone | | 20.00 | 21.00 | Mudstone |
| M25 | GL | 1.6 | Overburden | J24 | GL | 1.5 | Overburden |
| | 1.6 | 16.00 | Mudstone | | 1.5 | 17.1 | Mudstone |
| | 16.00 | 17.8 | Coal | | 17.1 | 19.7 | Soft Ground |
| | 17.8 | 18.8 | Mudstone | | 19.70 | 20.7 | Mudstone |
| M24 | GL | 1.7 | Overburden | J23 | GL | 1.5 | Overburden |
| | 1.7 | 16.00 | Mudstone | | 1.5 | 17.3 | Mudstone |
| | 16.00 | 18.5 | Soft Ground | | 17.3 | 19.8 | Soft Ground |
| | 18.5 | 19.5 | Mudstone | | 19.8 | 20.8 | Mudstone |
| J27 | GL | 1.5 | Overburden | J22 | GL | 1.5 | Overburden |
| | 1.5 | 17.00 | Mudstone | | 1.5 | 17.4 | Mudstone |
| | 17.00 | 18.6 | Coal | | 17.4 | 20.00 | Soft Ground |
| | 18.6 | 19.6 | Mudstone | | 20.00 | 20.00 | Mudstone |

| | | | | |
|---|-----------------------|-----------|---------|-------|
| Remarks Standing for diesel 7.30am - 1.00 pm. | Totals | Boreholes | Drilled | Cased |
| | Today | 10 | 201.4 | |
| | Previous | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Date: <u>15/4/14.</u> | To Date | | |
| Signed by Client: _____ | Date: _____ | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB


Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: SMK4
 Date: 15-4-14 Client: Gleasons Crew Details: A. Foustone
 Sheet: 1 of: 2 Working Day No. Tuesday J. Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|-----------------------|------|-------|-------|-----------------------|
| A044 | 0-0 | 1-50 | Clay | A544 | 0-0 | 1-50 | Clay |
| | 1-50 | 14-50 | Sandstone - Mudstone | | 1-50 | 15-50 | Sandstone - Mudstone |
| | 14-50 | 16-00 | Soft Strata | | 15-50 | 17-00 | Soft Strata |
| | 16-00 | 17-00 | Mudstone Poor Returns | | 17-00 | 18-00 | Mudstone Poor Returns |
| AN44 | 0-0 | 1-70 | Clay | A144 | 0-0 | 1-50 | Clay |
| | 1-70 | 14-50 | Sandstone - Mudstone | | 1-50 | 15-50 | Sandstone - Mudstone |
| | 14-50 | 16-00 | Soft Strata | | 15-50 | 16-70 | Coal |
| | 16-00 | 17-00 | Mudstone Poor Returns | | 16-70 | 17-70 | Mudstone |
| AM44 | 0-0 | 1-70 | Clay | AH44 | 0-0 | 1-50 | Clay |
| | 1-70 | 14-00 | Sandstone - Mudstone | | 1-50 | 15-50 | Sandstone - Mudstone |
| | 14-00 | 15-50 | Soft Strata | | 15-50 | 17-50 | Soft Strata |
| | 15-50 | 16-50 | Mudstone Poor Returns | | 17-50 | 18-50 | Mudstone Poor Returns |
| AL44 | 0-0 | 1-60 | Clay | AG44 | 0-0 | 1-50 | Clay |
| | 1-60 | 14-50 | Sandstone - Mudstone | | 1-50 | 15-50 | Sandstone - Mudstone |
| | 14-50 | 16-00 | Soft Strata | | 15-50 | 17-50 | Soft Strata |
| | 16-00 | 17-00 | Mudstone Poor Returns | | 17-50 | 18-50 | Mudstone Poor Returns |
| AK44 | 0-0 | 1-50 | Clay | AN41 | 0-0 | 1-70 | Clay |
| | 1-50 | 15-00 | Sandstone - Mudstone | | 1-70 | 14-00 | Sandstone - Mudstone |
| | 15-00 | 16-50 | Coal | | 14-00 | 16-00 | Soft Strata |
| | 16-50 | 17-50 | Mudstone | | 16-00 | 17-00 | Mudstone Poor Returns |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Previous | | | |
| Date: <u>15-4-14</u> | To Date | | | |
| Signed by Client: | | | | |
| Date: | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: SM 14
 Date: 15-4-14 Client: Gleasons Crew Details: A. Fairstone
 Sheet: 2 of: 2 Working Day No. Tuesday J. Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|----------------------|----|------|----|--------------------|
| AM41 | 00 | 1:00 | Clay | | | | |
| | 1:00 | 14:50 | Sandstone - Mudstone | | | | |
| | 14:50 | 16:00 | Coal | | | | |
| | 16:00 | 17:00 | Mudstone | | | | |
| AL41 | 00 | 1:50 | Clay | | | | |
| | 1:50 | 14:50 | Sandstone - Mudstone | | | | |
| | 14:50 | 16:00 | Coal | | | | |
| | 16:00 | 17:00 | Mudstone | | | | |

| | | | | |
|--|----------|-----------|---------|-------|
| Remarks <i>Drilling for 1300hrs awaiting fuel delivery</i> <i>All holes cased to rock head</i> | Totals | Boreholes | Drilled | Cased |
| | Today | 12 | 208.7 | |
| | Previous | | | |
| | To Date | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): <i>[Signature]</i> | Date: | 15-4-14 | | |
| Signed by Client: | Date: | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB


Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No: 2544 Contract Name: Goldthorpe Rig Type: XP
 Date: 16/4/14. Client: Gleasons. Crew Details: D. Gayler
 Sheet: 1 of: 1 Working Day No. wed. J-flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|-----|-------|-------|--------------------|
| K21 | GL | 1.6 | Overburden | I24 | GL | 1.5 | Overburden |
| | 1.6 | 17.1 | Mudstone | | 1.5 | 17.2 | Mudstone |
| | 17.1 | 19.6 | Soft Ground | | 17.2 | 19.7 | Soft Ground. |
| | 19.6 | 20.6 | Mudstone. | | 19.7 | 20.7 | Mudstone. |
| J21 | GL | 1.5 | Overburden | I23 | GL | 1.5 | Overburden |
| | 1.5 | 17.4 | Mudstone | | 1.5 | 17.3 | Mudstone |
| | 17.4 | 19.8 | Soft Ground. | | 17.3 | 19.8 | Soft Ground |
| | 19.8 | 20.8 | Mudstone. | | 19.8 | 20.8 | Mudstone |
| I27 | GL | 1.5 | Overburden | I22 | GL | 1.5 | Overburden |
| | 1.5 | 17.5 | Mudstone | | 1.5 | 17.5 | Mudstone |
| | 17.5 | 19.1 | Coal | | 17.5 | 19.1 | Coal |
| | 19.1 | 20.1 | Mudstone. | | 19.1 | 20.1 | Mudstone |
| I26 | GL | 1.5 | Overburden | I21 | GL | 1.5 | Overburden |
| | 1.5 | 17.4 | Mudstone | | 1.5 | 17.2 | Mudstone |
| | 17.4 | 19.00 | Coal | | 17.20 | 20.00 | Soft Ground |
| | 19.00 | 20.00 | Mudstone. | | 20.00 | 21.00 | Mudstone. |
| I25 | GL | 1.5 | Overburden | H27 | GL | 1.5 | Overburden |
| | 1.5 | 17.5 | Mudstone | | 1.5 | 17.6 | Mudstone |
| | 17.5 | 19.1 | Coal | | 17.6 | 19.2 | Coal |
| | 19.1 | 20.1 | Mudstone. | | 19.2 | 20.2 | Mudstone. |

| | | | | |
|---|-----------------------|-----------|---------|-------|
| Remarks fitter working on Rig (12.30pm - 18.00pm.) | Totals | Boreholes | Drilled | Cased |
| | Today | 10 | 204.4 | |
| | Previous | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Date: <u>16/4/14.</u> | To Date | | |
| Signed by Client: | Date: | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Gothorpe Rig Type: Sm14
 Date: 16-4-14 Client: Gleasons Crew Details: A. Toustone
 Sheet: 1 of: 2 Working Day No. Wednesday J. Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|-----------------------|------|-------|-------|-----------------------|
| AK41 | 00 | 1-50 | Clay | AN40 | 00 | 1-20 | Clay |
| | 1-50 | 15-00 | Sandstone-Mudstone | | 1-20 | 13-50 | Sandstone-Mudstone |
| | 15-00 | 16-50 | SOFT Strata | | 13-50 | 15-50 | SOFT Strata |
| | 16-50 | 17-50 | Mudstone Poor Returns | | 15-50 | 16-50 | Mudstone Poor Returns |
| AJ41 | 00 | 1-50 | Clay | AM40 | 00 | 1-50 | Clay |
| | 1-50 | 15-00 | Sandstone-Mudstone | | 1-50 | 14-00 | Sandstone-Mudstone |
| | 15-00 | 16-50 | Coal | | 14-00 | 15-50 | SOFT strata |
| | 16-50 | 17-50 | mudstone | | 15-50 | 16-50 | Mudstone Poor Returns |
| AI41 | 00 | 1-50 | Clay | AL40 | 00 | 1-50 | Clay |
| | 1-50 | 15-50 | Sandstone-Mudstone | | 1-50 | 14-00 | Sandstone-Mudstone |
| | 15-50 | 17-00 | Coal | | 14-00 | 15-50 | SOFT Strata |
| | 17-00 | 18-00 | Mudstone | | 15-50 | 16-50 | Mudstone Poor Returns |
| AH41 | 00 | 1-50 | Clay | AK40 | 00 | 1-50 | Clay |
| | 1-50 | 15-50 | Sandstone-Mudstone | | 1-50 | 14-00 | Sandstone-Mudstone |
| | 15-50 | 16-50 | SOFT strata | | 14-00 | 15-50 | SOFT Strata |
| | 16-50 | 17-50 | Mudstone Poor Returns | | 15-50 | 16-50 | Mudstone Poor Returns |
| AG41 | 00 | 1-50 | Clay | AJ40 | 00 | 1-50 | Clay |
| | 1-50 | 15-50 | Sandstone-Mudstone | | 1-50 | 16-50 | Sandstone-Mudstone |
| | 15-50 | 17-00 | Coal | | 14-50 | 16-00 | Coal |
| | 17-00 | 18-00 | Mudstone | | 16-00 | 17-00 | Mudstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---------|----------|-----------|---------|-------|
| | Today | | | |
| | Previous | | | |
| | To Date | | | |

Signed by
Sirius Remediation Ltd
(Drilling Division):

Date: 16-4-14

Signed
by Client:

Date:



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: SM14
 Date: 16-4-14 Client: Gleeson's Crew Details: A. Faustone
 Sheet: 2 of: 2 Working Day No. Wednesday J. Woodhead

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|-----------------------|------|-------|-------|-----------------------|
| AI40 | 0-0 | 1-50 | Clay | AI39 | 0-0 | 1-50 | Clay |
| | 1-50 | 15-00 | Sandstone-Mudstone | | 1-50 | 15-00 | Sandstone-Mudstone |
| | 15-00 | 16-50 | Coal | | 15-00 | 16-50 | Soft Strata |
| | 16-50 | 17-50 | Mudstone | | 16-50 | 17-50 | Mudstone Poor returns |
| AH40 | 0-0 | 1-50 | Clay | AK39 | 0-0 | 1-50 | Clay |
| | 1-50 | 15-00 | Sandstone-Mudstone | | 1-50 | 15-00 | Sandstone-Mudstone |
| | 15-00 | 16-50 | Coal | | 15-00 | 16-50 | Soft Strata |
| | 16-50 | 17-50 | Mudstone | | 16-50 | 17-50 | Mudstone Poor returns |
| AG40 | 0-0 | 1-50 | Clay | AJ39 | 0-0 | 1-50 | Clay |
| | 1-50 | 15-00 | Sandstone-Mudstone | | 1-50 | 14-50 | Sandstone-Mudstone |
| | 15-00 | 16-50 | Soft Strata | | 14-50 | 15-50 | Coal |
| | 16-50 | 17-50 | Mudstone Poor returns | | 15-50 | 16-50 | Mudstone |
| AN39 | 0-0 | 1-20 | Clay | | | | |
| | 1-20 | 14-00 | Sandstone-Mudstone | | | | |
| | 14-00 | 15-50 | Soft Strata | | | | |
| | 15-50 | 16-50 | Mudstone Poor returns | | | | |
| AM39 | 0-0 | 1-50 | Clay | | | | |
| | 1-50 | 14-50 | Sandstone-Mudstone | | | | |
| | 14-50 | 16-00 | Soft Strata | | | | |
| | 16-00 | 17-00 | Mudstone Poor returns | | | | |

| | | | | | |
|--|---|-----------|---------|-------|--|
| Remarks <i>All holes cased to rock head</i> <i>Stopped drilling at 16-45 to load rig</i> | Totals | Boreholes | Drilled | Cased | |
| | | 18 | 309.00 | | |
| | Signed by Sirius Remediation Ltd (Drilling Division): <i>[Signature]</i> Date: <i>16-4-14</i> | Previous | | | |
| | Signed by Client: _____ Date: _____ | To Date | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: C62
 Date: 16/4/14 Client: Gleeson Homes Crew Details: Ryan Edwards
 Sheet: 1 of: 2 Working Day No. WED Danny Harrod.

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|--------------------|------|-------|-------|--------------------|
| AG34 | 0.00 | 1.50 | o13 | AW34 | 0.00 | 1.50 | o13 |
| | 1.50 | 14.80 | Sandstone-mudstone | | 1.50 | 14.80 | Sandstone-mudstone |
| | 14.80 | 16.30 | SOFT | | 14.80 | 16.80 | BROKEN GROUND |
| | 16.30 | 17.30 | SOLID | | 16.80 | 17.80 | SOLID |
| AS34 | 0.00 | 1.50 | o13 | AB35 | 0.00 | 1.50 | o13 |
| | 1.50 | 14.80 | Sandstone-mudstone | | 1.50 | 14.80 | Sandstone-mudstone |
| | 14.80 | 16.80 | BROKEN GROUND | | 14.80 | 16.80 | BROKEN GROUND |
| | 16.80 | 17.80 | SOLID | | 16.80 | 17.80 | SOLID |
| AK34 | 0.00 | 1.50 | o13 | AS35 | 0.00 | 1.50 | o13 |
| | 1.50 | 13.90 | Sandstone-mudstone | | 1.50 | 14.60 | Sandstone-mudstone |
| | 13.90 | 15.60 | COAL | | 14.60 | 16.20 | SOFT |
| | 15.60 | 16.60 | Sandstone | | 16.20 | 17.20 | SOLID |
| AL34 | 0.00 | 1.50 | o13 | AK35 | 0.00 | 1.50 | o13 |
| | 1.50 | 14.10 | Sandstone-mudstone | | 1.50 | 14.90 | Sandstone-mudstone |
| | 14.10 | 15.70 | COAL | | 14.90 | 16.40 | BROKEN GROUND |
| | 15.70 | 16.70 | Sandstone | | 16.40 | 17.40 | SOLID |
| AM34 | 0.00 | 1.50 | o13 | AL35 | 0.00 | 1.50 | o13 |
| | 1.50 | 15.10 | Sandstone-mudstone | | 1.50 | 14.80 | Sandstone-mudstone |
| | 15.10 | 16.60 | SOFT | | 14.80 | 16.30 | SOFT |
| | 16.60 | 17.60 | SOLID | | 16.30 | 17.30 | SOLID |

| Remarks | Totals | Boreholes | Drilled | Cased |
|--|--------|-----------|---------|-------|
| | | | | |
| | | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>R. Edwards</u> Date: <u>16/4/14</u> | | | | |
| Signed by Client: _____ Date: _____ | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: C62
 Date: 16/4/14 Client: Gleeson Homes Crew Details: Ryan Edwards
 Sheet: 2 of 2 Working Day No. WED Danny Harrod.

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|--------------------|------|-------|-------|--------------------|
| Am35 | 000 | 150 | oB | Al36 | 0.00 | 150 | oB |
| | 150 | 15.10 | sandstone-mudstone | | 150 | 14.60 | sandstone-mudstone |
| | 15.10 | 16.60 | Broken Ground | | 14.60 | 16.60 | soft |
| | 16.60 | 17.60 | SOLID. | | 16.60 | 17.60 | SOLID. |
| Am35 | 0.00 | 150 | oB | Am36 | 0.00 | 150 | oB |
| | 150 | 14.50 | sandstone-mudstone | | 150 | 14.60 | sandstone-mudstone |
| | 14.50 | 16.50 | Broken Ground | | 14.60 | 16.20 | Coal |
| | 16.50 | 17.50 | SOLID. | | 16.20 | 17.20 | sandstone |
| Al36 | 0.00 | 150 | oB | Am36 | 0.00 | 150 | oB |
| | 150 | 15.00 | sandstone-mudstone | | 150 | 14.60 | sandstone-mudstone |
| | 15.00 | 16.50 | soft | | 14.60 | 16.20 | Coal |
| | 16.50 | 17.50 | SOLID. | | 16.20 | 17.20 | sandstone |
| As36 | 0.00 | 150 | oB | Al36 | 0.00 | 150 | oB |
| | 150 | 14.70 | sandstone-mudstone | | 150 | 14.70 | sandstone-mudstone |
| | 14.70 | 16.30 | Coal | | 14.70 | 16.30 | Coal |
| | 16.30 | 17.30 | sandstone | | 16.30 | 17.30 | sandstone |
| Al36 | 0.00 | 150 | oB | Al36 | 0.00 | 150 | oB |
| | 150 | 14.60 | sandstone-mudstone | | 150 | 14.80 | sandstone-mudstone |
| | 14.60 | 16.10 | Coal | | 14.80 | 16.30 | soft |
| | 16.10 | 17.10 | sandstone | | 16.30 | 17.30 | SOLID. |
| | | | | Am37 | 0.00 | 150 | oB |
| | | | | | 150 | 14.70 | sandstone-mudstone |
| | | | | | 14.70 | 16.20 | soft |
| | | | | | 16.20 | 17.20 | SOLID. |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------------------|-----------|---------|--------|
| | | 21 | 364.3 | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>R. Edwards</u> | Date: <u>16/4/14</u> | Previous | 151 | 28476 |
| Signed by Client: | Date: | To Date | 172 | 3211.9 |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No: 2544 Contract Name: Gouldthorpe Rig Type: C62

Date: 17/4/14 Client: Gleeson Homes Crew Details: Ryan Edwards

Sheet: 1 of: 2 Working Day No. thur Danny Harrod.

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|-------|-------|--------------------|------|-------|-------|--------------------|
| AM37 | 0.00 | 1.50 | oB | AH37 | 0.00 | 1.50 | oB |
| | 1.50 | 14.70 | Sandstone-mudstone | | 1.50 | 14.70 | Sandstone-mudstone |
| | 14.70 | 16.20 | Soft | | 14.70 | 16.30 | Coal |
| | 16.20 | 17.20 | SOLID | | 16.30 | 17.30 | Sandstone |
| AL37 | 0.00 | 1.50 | oB | Ab37 | 0.00 | 1.50 | oB |
| | 1.50 | 14.70 | Sandstone-mudstone | | 1.50 | 14.50 | Sandstone-mudstone |
| | 14.70 | 16.20 | Coal | | 14.50 | 16.50 | Soft |
| | 16.20 | 17.20 | Sandstone | | 16.50 | 17.50 | SOLID |
| AK37 | 0.00 | 1.50 | oB | AW38 | 0.00 | 1.50 | oB |
| | 1.50 | 14.70 | Sandstone-mudstone | | 1.50 | 14.70 | Sandstone-mudstone |
| | 14.70 | 16.30 | Soft | | 14.70 | 16.70 | Broken Ground |
| | 16.30 | 17.30 | SOLID | | 16.70 | 17.70 | SOLID |
| AS37 | 0.00 | 1.50 | oB | Am38 | 0.00 | 1.50 | oB |
| | 1.50 | 14.50 | Sandstone-mudstone | | 1.50 | 14.60 | Sandstone-mudstone |
| | 14.50 | 17.50 | Broken Ground | | 14.60 | 16.10 | Soft |
| | 17.50 | 18.50 | SOLID | | 16.10 | 17.10 | SOLID |
| A137 | 0.00 | 1.50 | oB | AL38 | 0.00 | 1.50 | oB |
| | 1.50 | 14.60 | Sandstone-mudstone | | 1.50 | 14.80 | Sandstone-mudstone |
| | 14.60 | 16.10 | Soft | | 14.80 | 16.30 | Broken Ground |
| | 16.10 | 17.10 | SOLID | | 16.30 | 17.30 | SOLID |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>P. Edwards</u> | Previous | | | |
| Date: <u>17/4/14</u> | To Date | | | |
| Signed by Client: | | | | |
| Date: | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goidthorpe Rig Type: C62
 Date: 17/4/14 Client: Gleeson Homes Crew Details: Ryan Edwards
 Sheet: 2 of: 2 Working Day No. thur Danny Harwood.

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-------|-------|-------|--------------------|-------|-------|-------|--------------------|
| AK 38 | 0.00 | 1.50 | oib | AK 39 | 0.00 | 1.50 | oib |
| | 1.50 | 14.70 | Sandstone-mudstone | | 1.50 | 14.70 | Sandstone-mudstone |
| | 14.70 | 16.50 | Soft | | 14.70 | 16.20 | Broken Ground |
| | 16.50 | 17.50 | SOLID. | | 16.20 | 17.20 | SOLID. |
| AS38 | 0.00 | 1.50 | oib | AH 39 | 0.00 | 1.50 | oib |
| | 1.50 | 14.50 | Sandstone-mudstone | | 1.50 | 15.00 | Sandstone-mudstone |
| | 14.50 | 17.50 | Soft | | 15.00 | 17.00 | Broken Ground. |
| | 17.50 | 18.50 | SOLID. | | 17.00 | 18.00 | SOLID. |
| A138 | 0.00 | 1.50 | oib | AG39 | 0.00 | 1.50 | oib |
| | 1.50 | 14.60 | Sandstone-mudstone | | 1.50 | 14.90 | Sandstone-mudstone |
| | 14.60 | 16.20 | Coal | | 14.90 | 16.40 | Soft |
| | 16.20 | 17.20 | Sandstone | | 16.40 | 17.40 | SOLID. |
| AH 38 | 0.00 | 1.50 | oib | APL42 | 0.00 | 1.50 | oib |
| | 1.50 | 14.70 | Sandstone-mudstone | | 1.50 | 15.00 | Sandstone-mudstone |
| | 14.70 | 16.20 | Coal | | 15.00 | 17.00 | Broken Ground |
| | 16.20 | 17.20 | Sandstone | | 17.00 | 18.00 | SOLID. |
| AB 38 | 0.00 | 1.50 | oib | AQ42 | 0.00 | 1.50 | oib |
| | 1.50 | 14.90 | Sandstone-mudstone | | 1.50 | 14.70 | Sandstone-mudstone |
| | 14.40 | 16.40 | Coal | | 14.70 | 16.30 | Coal |
| | 16.40 | 17.40 | Sandstone | | 16.30 | 17.30 | Sandstone |
| | | | | AR42 | 0.00 | 1.50 | oib |
| | | | | | 1.50 | 14.50 | Sandstone-mudstone |
| | | | | | 14.50 | 16.50 | Broken Ground |
| | | | | | 16.50 | 17.50 | SOLID. |

| Remarks | Totals | Boreholes | Drilled | Cased |
|--|----------|-----------|---------|-------|
| | | 21 | 367.4 | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>R. Edwards</u> Date: <u>17/4/14</u> | Previous | 172 | 3211.9 | |
| Signed by Client: _____ Date: _____ | To Date | 193 | 3579.3 | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2564 Contract Name: Goldthorpe Rig Type: XP
 Date: 17/4/14 Client: Gleasons Crew Details: D. Gayler
 Sheet: 1 of 2 Working Day No. Thur. J-Flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|------|------|--------------------|-----|-------|-------|--------------------|
| H26 | Gr | 1.5 | Overburden | H21 | Gr | 1.5 | Overburden |
| | 1.5 | 17.6 | Mudstone | | 1.5 | 17.7 | Mudstone |
| | 17.6 | 19.2 | Coal | | 17.7 | 19.3 | Coal |
| | 19.2 | 20.2 | Mudstone | | 19.3 | 20.3 | Mudstone |
| H25 | Gr | 1.5 | Overburden | O27 | Gr | 1.5 | Overburden |
| | 1.5 | 17.5 | Mudstone | | 1.5 | 16.00 | Mudstone |
| | 17.5 | 19.1 | Coal | | 16.00 | 18.6 | Soft Ground |
| | 19.1 | 20.1 | Mudstone | | 18.6 | 19.6 | Mudstone |
| H24 | Gr | 1.5 | Overburden | O28 | Gr | 1.6 | Overburden |
| | 1.5 | 17.6 | Mudstone | | 1.6 | 16.30 | Mudstone |
| | 17.6 | 19.2 | Coal | | 16.3 | 19.00 | Soft Ground |
| | 19.2 | 20.2 | Mudstone | | 19.00 | 20.00 | Mudstone |
| H23 | Gr | 1.5 | Overburden | O29 | Gr | 1.6 | Overburden |
| | 1.5 | 17.3 | Mudstone | | 1.6 | 16.00 | Mudstone |
| | 17.3 | 19.7 | Soft Ground | | 16.00 | 17.6 | Coal |
| | 19.7 | 20.7 | Mudstone | | 17.6 | 18.00 | Mudstone |
| H22 | Gr | 1.5 | Overburden | P29 | Gr | 1.7 | Overburden |
| | 1.5 | 17.7 | Mudstone | | 1.7 | 15.8 | Mudstone |
| | 17.7 | 19.3 | Coal | | 15.8 | 17.4 | Coal |
| | 19.3 | 20.3 | Mudstone | | 17.4 | 18.4 | Mudstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|--------|-----------|---------|-------|
| | | | | |
| | | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): | Date: | Previous | | |
| Signed by Client: | Date: | To Date | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB


Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2546 Contract Name: Goldthorpe Rig Type: XP
 Date: 17/11/14 Client: Gleasons Crew Details: D. Bayler
 Sheet: 2 of 2 Working Day No. Thur J Flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|-----|-------|-------|--------------------|
| P28 | GL | 1.7 | Overburden | R27 | GL | 1.5 | Overburden |
| | 1.7 | 16.2 | Mudstone | | 1.5 | 15.1 | Mudstone |
| | 16.2 | 17.8 | Coal | | 15.1 | 18.20 | Soft Ground |
| | 17.8 | 18.8 | Mudstone | | 18.20 | 19.20 | Mudstone |
| P27 | GL | 1.6 | Overburden | S29 | GL | 1.5 | Overburden |
| | 1.6 | 15.7 | Mudstone | | 1.5 | 15.20 | Mudstone |
| | 15.7 | 18.5 | Soft Ground | | 15.20 | 17.7 | Soft Ground |
| | 18.5 | 19.5 | Mudstone | | 17.7 | 18.7 | Mudstone |
| Q27 | GL | 1.6 | Overburden | T29 | GL | 1.5 | Overburden |
| | 1.6 | 15.4 | Mudstone | | 1.5 | 15.20 | Mudstone |
| | 15.4 | 18.20 | Soft Ground | | 15.20 | 17.5 | Soft Ground |
| | 18.20 | 19.20 | Mudstone | | 17.5 | 18.5 | Mudstone |
| Q28 | GL | 1.6 | Overburden | T26 | GL | 1.5 | Overburden |
| | 1.6 | 15.5 | Mudstone | | 1.5 | 14.8 | Mudstone |
| | 15.5 | 18.20 | Soft Ground | | 14.8 | 17.4 | Soft Ground |
| | 18.20 | 19.20 | Mudstone | | 17.4 | 18.4 | Mudstone |
| Q29 | GL | 1.6 | Overburden | T27 | GL | 1.5 | Overburden |
| | 1.6 | 15.5 | Mudstone | | 1.5 | 14.7 | Mudstone |
| | 15.5 | 17.1 | Coal | | 14.7 | 17.3 | Soft Ground |
| | 17.1 | 18.1 | Mudstone | | 17.3 | 18.3 | Mudstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|-----------------------|-----------|---------|-------|
| | | 17 | 385.7 | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Date: <u>17/11/14</u> | Previous | | |
| Signed by Client: | Date: | To Date | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB


Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: C6(2)
 Date: 22-04-14 Client: Gleeson's Crew Details: J. CEE
 Sheet: 1 of: 2 Working Day No. Tuesday T. JEFFSON

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|------|------|--------------------|------|------|------|--------------------|
| AP32 | 0.0 | 1.5 | Clay | AP37 | 0.0 | 1.5 | Clay |
| | 1.5 | 11 | Mudstone | | 1.5 | 11 | Mudstone |
| | 11 | 14 | Broken Ground | | 11 | 14 | Broken Ground |
| | 14 | 15 | Hard Strata | | 14 | 15 | Hard Strata |
| AP33 | 0.0 | 1.5 | Clay | AP38 | 0.0 | 1.5 | Clay |
| | 1.5 | 11.2 | Mudstone | | 1.5 | 12 | Mudstone |
| | 11.2 | 14 | Broken Ground | | 12 | 13.5 | Coal |
| | 14 | 15 | Hard Strata | | 13.5 | 14.5 | Mudstone |
| AP34 | 0.0 | 1.5 | Clay | AP39 | 0.0 | 1.5 | Clay |
| | 1.5 | 11.2 | Mudstone | | 1.5 | 12 | Mudstone |
| | 11.2 | 13.5 | Soft | | 12 | 13.5 | Coal |
| | 13.5 | 14.5 | Mudstone | | 13.5 | 14.5 | Mudstone |
| AP35 | 0.0 | 1.5 | Clay | AP40 | 0.0 | 1.5 | Clay |
| | 1.5 | 11.5 | Mudstone | | 1.5 | 11.9 | Mudstone |
| | 11.5 | 13.5 | Soft | | 11.9 | 13.4 | Coal |
| | 13.5 | 14.5 | Mudstone | | 13.4 | 14.4 | Mudstone |
| AP36 | 0.0 | 1.5 | Clay | AP41 | 0.0 | 1.3 | Clay |
| | 1.5 | 11.5 | Mudstone | | 1.3 | 11.9 | Mudstone |
| | 11.5 | 13.6 | Soft | | 11.9 | 13.5 | Coal |
| | 13.6 | 14.6 | Mudstone | | 13.5 | 14.5 | Mudstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Previous | | | |
| Date: <u>22-04-14</u> | To Date | | | |
| Signed by Client: | | | | |
| Date: | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB


Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 254A Contract Name: Goldthorpe Rig Type: C5(2)
 Date: 22-04-14 Client: Gleasons Crew Details: J. LEE
 Sheet: 2 of: 2 Working Day No. Tuesday T. JERSON

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|------|------|--------------------|------|------|------|--------------------|
| AQ32 | 0.0 | 1.5 | Clay | AQ37 | 0.0 | 1.5 | Clay |
| | 1.5 | 11.5 | mudstone | | 1.5 | 11.5 | mudstone |
| | 11.5 | 13 | Coal | | 11.5 | 14 | Broken Ground |
| | 13 | 14 | mudstone | | 14 | 15 | Hard Strata |
| AQ33 | 0.0 | 1.5 | Clay | AQ38 | 0.0 | 1.5 | Clay |
| | 1.5 | 11.5 | mudstone | | 1.5 | 11.8 | mudstone |
| | 11.5 | 13 | Coal | | 11.8 | 13.3 | Coal |
| | 13 | 14 | mudstone | | 13.3 | 14.3 | mudstone |
| AQ34 | 0.0 | 1.5 | Clay | AQ39 | 0.0 | 1.5 | Clay |
| | 1.5 | 11.1 | mudstone | | 1.5 | 11.8 | mudstone |
| | 11.1 | 13 | Broken Ground | | 11.8 | 13.2 | Coal |
| | 13 | 14 | Hard Strata | | 13.2 | 14.2 | mudstone |
| AQ35 | 0.0 | 1.5 | Clay | | | | |
| | 1.5 | 11.5 | mudstone | | | | |
| | 11.5 | 12.9 | Coal | | | | |
| | 12.9 | 13.9 | mudstone | | | | |
| AQ36 | 0.0 | 1.5 | Clay | | | | |
| | 1.5 | 11.7 | mudstone | | | | |
| | 11.7 | 14 | Broken Ground | | | | |
| | 14 | 15 | Hard Strata | | | | |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Previous | | | |
| Date: <u>22-04-14</u> | To Date | | | |
| Signed by Client: _____ | | | | |
| Date: _____ | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB


Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544. Contract Name: Goldthorpe. Rig Type: XP
 Date: 22/4/14. Client: Gleesons Crew Details: D. Gaylor
 Sheet: 1 of: 2 Working Day No. Tue J. Flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|------|------|--------------------|-----|------|------|--------------------|
| O26 | GL | 1.5 | Overburden | Q25 | GL | 1.6 | Overburden |
| | 1.5 | 15.5 | Mudstone | | 1.6 | 16.2 | Mudstone |
| | 15.5 | 18.2 | Soft Ground | | 16.2 | 17.8 | Coal |
| | 18.2 | 19.2 | Mudstone | | 17.8 | 18.8 | Mudstone |
| O25 | GL | 1.6 | Overburden | R26 | GL | 1.6 | Overburden |
| | 1.6 | 16.0 | Mudstone | | 1.6 | 15.3 | Mudstone |
| | 16.0 | 17.6 | Coal | | 15.3 | 18.0 | Soft Ground |
| | 17.6 | 18.6 | Mudstone | | 18.0 | 19.0 | Mudstone |
| P26 | GL | 1.6 | Overburden | R25 | GL | 1.6 | Overburden |
| | 1.6 | 15.6 | Mudstone | | 1.6 | 15.5 | Mudstone |
| | 15.6 | 18.5 | Soft Ground | | 15.5 | 18.5 | Soft Ground |
| | 18.5 | 19.5 | Mudstone | | 18.5 | 19.5 | Mudstone |
| P25 | GL | 1.6 | Overburden | T25 | GL | 1.5 | Overburden |
| | 1.6 | 15.5 | Mudstone | | 1.5 | 15.8 | Mudstone |
| | 15.5 | 18.3 | Soft Ground | | 15.8 | 17.6 | Coal |
| | 18.3 | 19.3 | Mudstone | | 17.6 | 18.6 | Mudstone |
| Q26 | GL | 1.6 | Overburden | S24 | GL | 1.5 | Overburden |
| | 1.6 | 15.4 | Mudstone | | 1.5 | 15.3 | Mudstone |
| | 15.4 | 18.1 | Soft Ground | | 15.3 | 18.1 | Soft Ground |
| | 18.1 | 19.1 | Mudstone | | 18.1 | 19.1 | Mudstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Previous | | | |
| Date: <u>22/4/14.</u> | To Date | | | |
| Signed by Client: | | | | |
| Date: | | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: XP
 Date: 22/4/14. Client: Gleasons Crew Details: D. Gaylor
 Sheet: 2 of 2 Working Day No. Tue. J. Flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|------|------|--------------------|-----|------|------|--------------------|
| T24 | GL | 1.6 | Overburden | S21 | GL | 1.5 | Overburden |
| | 1.6 | 14.8 | Mudstone | | 1.5 | 15.7 | Mudstone |
| | 14.8 | 18.0 | Broken Ground | | 15.7 | 17.3 | Core |
| | 18.0 | 19.0 | Soils | | 17.3 | 18.3 | Mudstone |
| T23 | GL | 1.6 | Overburden | T21 | GL | 1.5 | Overburden |
| | 1.6 | 15.0 | Mudstone | | 1.5 | 15.5 | Mudstone |
| | 15.0 | 18.0 | Soft Ground | | 15.5 | 17.4 | Core |
| | 18.0 | 19.0 | Mudstone | | 17.4 | 18.4 | Mudstone |
| S23 | GL | 1.6 | Overburden | U21 | GL | 1.6 | Overburden |
| | 1.6 | 15.1 | Mudstone | | 1.6 | 15.2 | Mudstone |
| | 15.1 | 17.9 | Soft Ground | | 15.2 | 18.0 | Soft Ground |
| | 17.9 | 19.0 | Mudstone | | 18.0 | 19.0 | Mudstone |
| S22 | GL | 1.5 | Overburden | V21 | GL | 1.6 | Overburden |
| | 1.5 | 15.2 | Mudstone | | 1.6 | 15.3 | Mudstone |
| | 15.2 | 17.7 | Soft Ground | | 15.3 | 18.3 | Soft |
| | 17.7 | 18.7 | Mudstone | | 18.3 | 19.3 | Mudstone |
| T22 | GL | 1.6 | Overburden | | | | |
| | 1.6 | 15.6 | Mudstone | | | | |
| | 15.6 | 17.2 | Core | | | | |
| | 17.2 | 18.2 | Mudstone | | | | |

| Remarks | Totals | Boreholes | Drilled | Cased |
|--|----------|-----------|---------|-------|
| | | 19. | 359.6 | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>[Signature]</u> Date: <u>22/4/14.</u> | Previous | | | |
| Signed by Client: _____ Date: _____ | To Date | | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB


Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. SOS 2564 Contract Name: GILCOTHORPE Rig Type: TC4
 Date: 23/04/14 Client: GLEESON HOMES Crew Details: I BACSWO
 Sheet: 1 of: 1 Working Day No. Wednesday A. Everett

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------------|-----|-------|-------|--------------------------|
| V22 | GL | 1.50 | CLAY / FILL | V27 | GL | 1.60 | FILL / CLAY |
| | 1.50 | 14.80 | MUDSTONE | | 1.60 | 16.60 | MUDSTONE |
| | 14.80 | 16.20 | COAL | | 16.60 | 17.50 | COAL |
| | 16.20 | 17.50 | MUDSTONE | | 17.50 | 18.50 | MUDSTONE |
| V23 | GL | 1.50 | CLAY / FILL | V28 | GL | 1.50 | CLAY / FILL |
| | 1.50 | 15.00 | MUDSTONE | | 1.50 | 16.50 | MUDSTONE |
| | 15.00 | 16.60 | BROKEN GROUND NO RETURNS | | 16.50 | 17.60 | COAL |
| | 16.60 | 18.00 | HARD STRATA NO RETURNS | | 17.60 | 18.60 | MUDSTONE |
| V24 | GL | 1.60 | CLAY / FILL | V29 | GL | 1.60 | CLAY / FILL |
| | 1.60 | 15.10 | MUDSTONE | | 1.60 | 12.40 | MUDSTONE |
| | 15.10 | 16.30 | COAL | | 12.40 | 15.40 | BROKEN GROUND NO RETURNS |
| | 16.30 | 17.50 | MUDSTONE | | 15.40 | 17.00 | HARD STRATA NO RETURNS |
| V25 | GL | 2.00 | CLAY / FILL | | | | |
| | 2.00 | 14.80 | MUDSTONE | | | | |
| | 14.80 | 16.40 | BROKEN GROUND NO RETURNS | | | | |
| | 16.40 | 17.50 | HARD STRATA NO RETURNS | | | | |
| V26 | GL | 1.90 | CLAY / FILL | | | | |
| | 1.90 | 15.00 | MUDSTONE | | | | |
| | 15.00 | 16.10 | COAL | | | | |
| | 16.10 | 17.10 | MUDSTONE | | | | |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|-----------------------|-----------|---------|-------|
| | | 8 | 141.70 | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Date: <u>23/04/14</u> | Previous | — | — |
| Signed by Client: | Date: | To Date | | |



OPENHOLE DRILL LOG

4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Tel: 0113 264 9960

Fax: 0113 264 9962

Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: CG(2)

Date: 23-04-14 Client: Gleasons Crew Details: J. CEE

Sheet: 1 of: 2 Working Day No. Wednesday T. JEPSON

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|------|------|--------------------|------|------|------|--------------------|
| AR40 | 0.0 | 1.5 | Clay | AR38 | 0.0 | 1.5 | Clay |
| | 1.5 | 11.7 | mudstone | | 1.5 | 11.8 | mudstone |
| | 11.7 | 14.0 | Broken Ground | | 11.8 | 14.5 | Broken Ground |
| | 14.0 | 15.0 | Hard Strata | | 14.5 | 15.5 | Hard Strata |
| AR41 | 0.0 | 1.5 | Clay | AR37 | 0.0 | 1.5 | Clay |
| | 1.5 | 11.7 | mudstone | | 1.5 | 11.4 | mudstone |
| | 11.7 | 14.8 | Broken Ground | | 11.4 | 13.7 | Soft |
| | 14.8 | 15.8 | Hard Strata | | 13.7 | 14.7 | mudstone |
| AR41 | 0.0 | 1.5 | Clay | AR36 | 0.0 | 1.3 | Clay |
| | 1.5 | 12.0 | mudstone | | 1.3 | 10.9 | mudstone |
| | 12.0 | 13.6 | Coal | | 10.9 | 13.6 | Broken Ground |
| | 13.6 | 14.6 | mudstone | | 13.6 | 14.6 | Hard Strata |
| AR40 | 0.0 | 1.5 | Clay | AR34 | 0.0 | 1.3 | Clay |
| | 1.5 | 11.7 | mudstone | | 1.3 | 10.8 | mudstone |
| | 11.7 | 14.2 | Soft | | 10.8 | 13.2 | Soft |
| | 14.2 | 15.2 | mudstone | | 13.2 | 14.2 | mudstone |
| AR39 | 0.0 | 1.5 | Clay | AR33 | 0.0 | 1.3 | Clay |
| | 1.5 | 11.7 | mudstone | | 1.3 | 11.6 | mudstone |
| | 11.7 | 14.2 | Soft | | 11.6 | 13.0 | Coal |
| | 14.2 | 15.2 | mudstone | | 13.0 | 14.0 | mudstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>J. Cee</u> | | | | |
| Date: <u>23-04-14</u> | Previous | | | |
| Signed by Client: | To Date | | | |
| Date: | | | | |



OPENHOLE DRILL LOG

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Remediation

Job No. 2544 Contract Name: Goldthorpe Rig Type: C6(2)
 Date: 23-04-14 Client: Gleasons Crew Details: J. LEE
 Sheet: 2 of: 2 Working Day No. wednesday T. JERSON

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|------|------|------|--------------------|------|------|------|---------------------------|
| AR32 | 0.0 | 1.3 | clay | AS37 | 0.0 | 1.5 | clay |
| | 1.3 | 11.6 | mudstone | | 1.5 | 11.5 | mudstone |
| | 11.6 | 13.1 | Coal | | 11.5 | 14 | Broken Ground |
| | 13.1 | 14.1 | mudstone | | 14 | 15 | Hard Strata |
| AS42 | 0.0 | 1.5 | Clay | AS36 | 0.0 | 1.3 | Clay |
| | 1.5 | 12.2 | mudstone | | 1.3 | 12 | mudstone |
| | 12.2 | 14 | Broken Ground | | 12 | 13.6 | Coal |
| | 14 | 15 | Hard Strata | | 13.6 | 14.6 | mudstone |
| AS41 | 0.0 | 1.5 | clay | AS35 | 0.0 | 1.3 | clay |
| | 1.5 | 12.2 | mudstone | | 1.3 | 12 | mudstone |
| | 12.2 | 14.3 | Broken Ground | | 12 | 13.6 | Coal |
| | 14.3 | 15.3 | Hard Strata | | 13.6 | 14.6 | mudstone |
| AS40 | 0.0 | 1.5 | clay | AS34 | 0.0 | 1.3 | clay |
| | 1.5 | 11.7 | mudstone | | 1.3 | 11 | mudstone |
| | 11.7 | 14 | Broken Ground | | 11 | 13.5 | Soft |
| | 14 | 15 | Hard Strata | | 13.5 | 14.5 | mudstone |
| AS39 | 0.0 | 1.5 | clay | AS33 | 0.0 | 1.3 | clay |
| | 1.5 | 10.5 | mudstone | | 1.3 | 11 | mudstone |
| | 10.5 | 13.5 | Broken Ground | | 11 | 13.4 | Soft |
| | 13.5 | 14.5 | Hard Strata | | 13.4 | 14.4 | mudstone |
| | | | | AS38 | 0.0 | 10 | Soft Backfill with Rebars |
| | | | | | 10 | 11 | Hard Strata |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division): <u>J. Lee</u> Date: <u>23-04-14</u> | Previous | | | |
| Signed by Client: _____ Date: _____ | To Date | | | |



OPENHOLE DRILL LOG

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Remediation

Job No. 231414 Contract Name: Goddthorpe Rig Type: XP
 Date: 25/4 Client: Gleasons Crew Details: D. Gaylor
 Sheet: 1 of 2 Working Day No. wed. J-flint

| BH | From | To | Strata Description | BH | From | To | Strata Description |
|-----|-------|-------|--------------------|-----|-------|-------|--------------------|
| G21 | GL | 1.5 | Overburden | K20 | GL | 1.5 | Overburden |
| | 1.5 | 18.3 | Mudstone | | 1.5 | 17.2 | Mudstone |
| | 18.3 | 19.8 | Coal | | 17.2 | 20.00 | Soft Ground |
| | 19.8 | 20.8 | Mudstone. | | 20.00 | 21.00 | Mudstone. |
| G20 | GL | 1.5 | Overburden | G19 | GL | 1.5 | Overburden |
| | 1.5 | 18.5 | Mudstone | | 1.5 | 18.5 | Mudstone |
| | 18.5 | 20.1 | Coal | | 18.5 | 20.1 | Coal |
| | 20.1 | 21.1 | Mudstone. | | 20.1 | 21.1 | Mudstone |
| H20 | GL | 1.5 | Overburden | H19 | GL | 1.5 | Overburden |
| | 1.5 | 18.2 | Mudstone | | 1.5 | 18.3 | Mudstone |
| | 18.2 | 19.8 | Coal | | 18.3 | 19.9 | Coal |
| | 19.8 | 20.8 | Mudstone. | | 19.9 | 21.00 | Mudstone. |
| I20 | GL | 1.5 | Overburden | I19 | GL | 1.5 | Overburden |
| | 1.5 | 17.00 | Mudstone | | 1.5 | 17.7 | Mudstone |
| | 17.00 | 20.00 | Broken Ground | | 17.7 | 20.2 | Soft Ground |
| | 20.00 | 21.00 | Mudstone. | | 20.2 | 21.2 | Mudstone. |
| J20 | GL | 1.5 | Overburden | J19 | GL | 1.5 | Overburden |
| | 1.5 | 17.00 | Mudstone | | 1.5 | 17.2 | Mudstone. |
| | 17.00 | 19.6 | Soft Ground | | 17.2 | 20.00 | Soft Ground |
| | 19.6 | 20.6 | Mudstone | | 20.00 | 21.00 | Mudstone |

| Remarks | Totals | Boreholes | Drilled | Cased |
|---|----------|-----------|---------|-------|
| | | | | |
| | Today | | | |
| Signed by Sirius Remediation Ltd (Drilling Division):  | Previous | | | |
| Date: <u>23/4/14</u> | To Date | | | |
| Signed by Client: | | | | |
| Date: | | | | |