



Date:	30/07/14	Site:	Hafod Quarry Landfill
Weather	Dry, clear, sunny	CQA Plan Ref:	

Visitors to Site:	① I. Oakes (Environment Agency)
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Works Inspected and Progress on Site

Inspection of the installation of geocomposite drain on the formation profile, and the toe drain (french drain) at the bottom of the slope.

Two panels and five rolls of geocomposite drain were installed (Ref: GCB/01, Role no: 003, Work order: 15462)

Three length (pcs) of 150mm Perforated Pipe (french drain) were installed, and covered with geotextile. Drainage gravel was used to cover the whole length of the french drain wrapped with geotextile.

The grid reference for the installation of the geocomposite drain as mentioned above is ABC 5-6.

Plant on Site:	Hours of Operation:	Comments:
① Excavator Volvo EC2 40CLX1	0700 — 1700	
② Excavator JCB JS 130X1	" "	
③ Dozer CAT D6N X1	" "	
④ Bomag BW 213BH X1	" "	
⑤ Bumper Bell B30B X1	" "	
⑥ Bumper CAT 225 X1	" "	

Prepared by:	K. Osuchukwu	Signed:	
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Date:	31/07/14	Site:	Hafod Quarry landfill
Weather	Dry, Cloudy, Sunny, &c	CQA Plan Ref:	

Visitors to Site:

Works Inspected and Progress on Site

Inspection of the placement of clay material on the geocomposite drain prior to the placement of the AEGB. This was done to bring the level to formation (Grid Ref: ABCD 6-7, & ABC 5).

Inspection of the installation of geocomposite drain on the remaining part of the wall (Grid Ref: ABCD 7-8). Two and half (2 1/2) panels of geocomposite drain were used (Ref: GCD102, Role no: 012, work order: 15462).

Plant on Site:	Hours of Operation:	Comments:
① Excavator Volvo EC240C x1	0700 — 1700	
② Excavator JCB JS 130 x1	" "	
③ Dozer CAT D6M x1	" "	
④ Bomag BW213BH x1	" "	
⑤ Dumper Ben B30D x1	" "	
⑥ Dumper CAT 225 x1	" "	

Prepared by:	K. Osuchukwu	Signed:	
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Date:	01/08/14	Site:	Hafod Quarry Landfill
Weather	Cloudy, Light showers, Sunny	CQA Plan Ref:	

Visitors to Site:	① A. Pickering (Staff Sure Surveying)
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Works Inspected and Progress on Site


Inspection of placement of clay on the geocomposite drain to form formation level (Grid Ref: ABCD 8).

Inspection of both the first and second layer of AEGB placement and compaction for trial pad (Compaction trial pad) testing (Grid Ref: ABC 3). Water was sprinkled both from the source of the clay and on the pad area to adjust the moisture content.

The whole of the sidewall has been prepared and now ready for the placement of the first layer of AEGB.

I informed Andrew Coxon about the presence of tiles and bricks in the clay (AEGB) source, and he told me to sample carefully to avoid those unwanted materials.

Plant on Site:	Hours of Operation:	Comments:
1) Excavator Volvo EC240C X1	0700 — 1700	
2) Excavator JCB JS130 X1	" "	
3) Dozer CAT 56N X1	" "	
4) Bomag BW213BH X1	" "	
5) Dumper Bell B30D X1	" "	
6) Dumper CAT 225 X1	" "	

Prepared by:	K. Osuchukwu	Signed:	
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Date:	04/08/14	Site:	Hafod Quarry Landfill
Weather	Dry, clear & Sunny	CQA Plan Ref:	

Visitors to Site:	(1) S. Coates (CCJ) (2) L. Macey (Item Tech)
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Works Inspected and Progress on Site Inspection of the placement and compaction of a section of the first layer (250mm) of AECB (Grid Ref: ABC 6-8, D 7-8).

Carried out compaction trial testing on the second and third layer of the compaction trial pad (Grid Ref: ABC 3). Three core, one bulk, and one permeability samples were sampled for each layer. The average on-site water content and bulk density results for the second layer are 14.3% & 2.24 mg/m³ respectively, while its dry density average is 1.966 mg/m³. For layer three, the average on-site water content and bulk density results are 13.4% and 2.325 mg/m³ respectively. Its average dry density is 2.045 mg/m³.

The layers were compacted with ten (10) and eight (8) passes of the Bomag BW 213 BH plant and tested to determine that 8 passes should provide the effective method of achieving the required specification.

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240L	0700 — 1700	
(2) Excavator JCB JS130X1	" "	
(3) Dozer CAT D6N x1	" "	
(4) Bomag BW213BH x1	" "	
(5) Dumper Bell B30D x1	" "	
(6) Dumper CAT 225 x1	" "	

Prepared by:	K. Osuchukwu	Signed:	Richard C Chuks
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Date:	05/08/14	Site:	Hafod Quarry Landfill
Weather	Light shower, cloudy, sunny	CQA Plan Ref:	

Visitors to Site:	(1) R. Clarke (Stratus) (2) S. Coates (CCJ) (3) K. Mubel (Stratus)
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Works Inspected and Progress on Site

Inspection of the placement and compaction of the remaining part of the first layer of AEB (Grid Ref: ABC 4-5). Richard Clarke from Stratus was on site to inspect the progress of the work. He observed that the clay material has a lot of bricks and tiles. He contacted Cory's Hafod Quarry Landfill Manager (Ian Craven) to express his concern, but the manager maintained that it will not affect the result (the presence of bricks & tiles). I also told Richard that I have spoken to Andrew Cotton regarding the problem, but he told me to sample carefully to avoid those unwanted materials. Richard said he will speak to Andrew to know if there will be need to sample those materials separately for testing, & that he will get back to me after that.

Carried out compaction trial test on the fourth layer of the compaction trial pad (Grid Ref ABC 3). The average on-site water content & bulk density result are 14.3% & 2.302 mg/m³ respectively, and the average dry density is 2.008 mg/m³.

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240CLX1	0700 - 1700	
(2) Excavator JCB JS130 X1	" "	
(3) Dozer CAT D6N X1	" "	
(4) Bomag BW213 D11 X1	" "	
(5) Dumper Bell B30D X1	" "	
(6) Dumper CAT 225 X1	" "	

Prepared by:	K. Osuchukwu	Signed:	Richard Clarke
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Date:	06/08/14	Site:	Hafod Quarry L/ful
Weather	Wet, dry, sunny, clear	CQA Plan Ref:	

Visitors to Site:	① R. CLARKE (Stratus Environmental)
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Works Inspected and Progress on Site

Inspection of the placement and compaction of some part of the second layer of the AEGB (Grid Ref: AB 7-9, CD 7-8).

Inspection of the excavation and filling of the area around the foot of the slope (Grid Ref: B 3-5)

Carried out field compliance sampling and testing on the first layer of AEGB (Grid Ref: B4, B7, C4, & C6)

Plant on Site:	Hours of Operation:	Comments:
① Excavator Volvo EC240CL	0700 — 1700	
② Excavator JCB JS130XL	" "	
③ Dozer CAT D6N x1	" "	
④ Bomag BW213DH x1	" "	
⑤ Dumper Bell B305 x1	" "	
⑥ Dumper CAT 225 x1	" "	

Prepared by:	K. Osuchukwu	Signed:	
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Date:	07/08/14	Site:	Hafod Quarry Hill
Weather	dry, clear & sunny	CQA Plan Ref:	

Visitors to Site:	(1) L. Howaten (2) R. Clarke (Stratus)
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Works Inspected and Progress on Site

Inspection of the placement and compaction of some part of the second layer of the AEGB (Grid Ref: ABCD57)

Inspection of the excavation of clay material from the slope bench. This material was sprayed with water to adjust the water content, placed on the slope and then compacted as part of layer two.

Carried out field compliance sampling and testing on the second layer of AEGB (Grid Ref: B7).

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240L	0700 — 1700	
(2) Excavator JCB JS130X1	" "	
(3) Dozer CAT D6N X1	" "	
(4) Boring BW213DH X1	" "	
(5) Dumper Bell B30D X1	" "	
(6) Dumper CAT 225 X1	" "	

Prepared by:	K. Osuchukwu	Signed:	
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Date:	08/08/14	Site:	Hafod Quarry Landfill
Weather	Dry, clear & sunny	CQA Plan Ref:	

Visitors to Site:

Works Inspected and Progress on Site

Inspection of completion of the placement and compaction of the second layer (Grid Ref: ABCD 4-8), and ^{also} placement and compaction of part of the third layer (ABCD 8 Grid Ref)

Carried out field compliance sampling and testing on the second layer of AEGB (Grid Ref: A5, B6, & C4)

First batch of clay samples, drainage gravel sample, geocomposite drain samples, & filtration geotextile sample were sent to the laboratory for testing.

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240CL x1	0700 — 1700	
(2) Excavator JCB JS130 x1	" "	
(3) Dozer CAT D6M x1	" "	
(4) Bomag BW213DH x1	" "	
(5) Dumper Bell B30D x1	" "	
(6) Dumper CAT 225 x1	" "	

Prepared by:	K. Osuchukwu	Signed:	Richard C Osuchukwu
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Date:	11/08/14	Site:	Hafod Quarry Lland
Weather	Wet, Windy, Sunny	CQA Plan Ref:	

Visitors to Site:

Works Inspected and Progress on Site

Due to wet weather the plants (compactor, dumper etc) could not carry out significant work on the side wall.

Conducted field compliance sampling and testing on the first part of the third layer of AEGRB (Grid Ref: A7)

Plant on Site:	Hours of Operation:	Comments:
Excavator		

Prepared by:	K. Osuchukwu	Signed:	Richard C chuks
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Date:	12/08/14	Site:	Hafod Quarry landfill
Weather	Dry, Windy, clear, Sunny	CQA Plan Ref:	

Visitors to Site:	
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Works Inspected and Progress on Site

Inspection of the completion of the third layer (Grid Ref: ABC 3-7 & D7), and part of the fourth layer of the AECB (Grid Ref: ABCD 7-8).

Conducted field compliance sampling and testing on the remaining part of the third layer (Grid Ref: AG, BG, C3-4 & G7)

The clay material was sprinkled with water after placement prior to compaction to adjust the water content. This was compacted to achieve firmness prior to sampling and testing.

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240CX1	0700 - 1700	
(2) Excavator JCB JS 130X1	" "	
(3) Dozer CAT D6R L4P X1	" "	
(4) Bomag BW213SH X1	" "	
(5) Dumper Bell B305 X1	" "	
(6) Dumper CAT 225 X1	" "	

Prepared by:	K. Osuchukwu	Signed:	Richard C Osuchukwu
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Date:	13/08/14	Site:	Hafod Quarry Landfill
Weather	cloudy, Light shower, sunny	CQA Plan Ref:	

Visitors to Site:	
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Works Inspected and Progress on Site

Inspection of the placement and compaction of the fourth layer of the AEGTB (Grid Ref: ABC 5-6).

The clay was thoroughly mixed with water from the source, to adjust the water content. This was due to the dry nature and hardness of the material, and its inability to bind very well after compaction. This addition of water from the source really improved the binding nature of the material through a visual inspection.

Carried out field Compliance Sampling and testing on some part of the fourth layer (Grid Ref: A4 & C6).

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240CLX1	0700 - 1700	
(2) Excavator JCB JS 130 X1	" "	
(3) Dozer CAT D6R LRP X 1	" "	
(4) Bomag BW 213 DH X 1	" "	
(5) Dumper Bell B30D X 1	" "	
(6) Dumper CAT 225 X 1	" "	

Prepared by:	K. Osuchukwu	Signed:	
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Date:	14/08/14	Site:	Hafod Quarry Landfill
Weather	Light shower, Windy, clear, sunny	CQA Plan Ref:	

Visitors to Site:	
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Works Inspected and Progress on Site

Inspection of the completion of the compaction of the fourth layer of the AECB, and the placement of the first layer of the Engineered Clay Liner (ECL) - (Grid Ref: AB 6-1-4 & ABCD 6-8) respectively.

Water was also added to the clay material from the source to adjust the water content and improve binding.

Carried out field compliance sampling and testing on the fourth layer of the AECB (Grid Ref: C3).

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240LC x1	0700 — 1700	
(2) Excavator JCB JS 130 x1	" "	
(3) Dozer CAT D6R LAP x1	" "	
(4) Bomag BW 213 Dtt x1	" "	
(5) Dumper Bell B30B x1	" "	
(6) Dumper CAT 225 x1	" "	

Prepared by:	K. Osuchukwu	Signed:	<i>[Signature]</i>
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Date:	15/08/14	Site:	Hafod Quarry Landfill
Weather	Wet, Sunny, Clear, dry	CQA Plan Ref:	

Visitors to Site:	
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Works Inspected and Progress on Site

Inspection of the placement and compaction of a part of the ECL first layer (Grid Ref: ABCD 6-8). The previous source of the clay for this work was suddenly changed by Cory Site Manager (Ian Craven) to another source closer to the site. This he did to enable work to be faster. The clay in this new area were very dry. Because of this reason, I rejected it, but the manager asked his workers to go ahead and use it, but also told them to wet it before using it. My concern was that it may not be adequately mixed with water due to its dryness. I rang both Richard Clarke & Andrew Coxon to inform them of this development. After their deliberation, Richard asked me to inform the manager to ensure that the clay is wet very well before placement & compaction, and I did inform him & he accepted. Carried out field compliance sampling and testing on some part of the first layer of the ECL (Grid Ref: C 8).

Plant on Site:	Hours of Operation:	Comments:
① Excavator Volvo EC245CHX1	0700 — 1700	
② Excavator JCB JS 130X1	" "	
③ Dozer CAT D6R L6PX1	" "	
④ Bomag BW213DH X1	" "	
⑤ Dumper Bell B306 X1	" "	
⑥ Dumper CAT 225 X1	" "	

Prepared by:	K. Osuchukwu	Signed:	Richard Clarke
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Date:	18/08/14	Site:	Hafod Quarry Landfill
Weather	Wet, Rain	CQA Plan Ref:	

Visitors to Site:

Works Inspected and Progress on Site

The rain was much that the clay became so wet. This prevented the placement and compaction of this material (clay).

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240CLX1 (2) Excavator JCB JS 130 X 1 (3) Dozer CAT D6R LGP X 1 (4) Bmag BW213 BH X 1 (5) Dumper Bell B30B X 1 (6) Dumper CAT 225 X 1		

Prepared by:	K. Osuchukwu	Signed:	Richard C
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Date:	19/08/14	Site:	Hayod Quarry Landfill
Weather	Wet, Rain	CQA Plan Ref:	

Visitors to Site:

Works Inspected and Progress on Site

The clay was so wet, so there was no placement or compaction of clay.

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240LC x1 (2) Excavator JCB JS130 x1 (3) Dozer CAT D6R LRP x1 (4) Bomag BW213DH x1 (5) Dumper Bell B30D x1 (6) Dumper CAT 225 x1		

Prepared by:	K. Osuchukwu	Signed:	Richard C
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Date:	20/08/14	Site:	Hagfoot Quarry Landfill
Weather	Dry, High Shower, sunny	CQA Plan Ref:	

Visitors to Site:	
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Works Inspected and Progress on Site

Inspection of the completion of the placement of the first layer of ECL (Grid Ref: ABCD 1-5). Inspection of the compaction of the above mentioned layer (Grid Ref: ABCD 4-5).

The work was so slow due to the fact that some workers went on holiday, and there was no replacement.

Carried out field compliance sampling and testing on a part of layer one of ECL (Grid Ref: A6).

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240CL x1	0700 — 1900	
(2) Excavator JCB JS 130 x1	" "	
(3) Dozer CAT D6R LHP x1	" "	
(4) Bomag BW213DH x1	" "	
(5) Bumper Bell B30D x1	" "	
(6) Bumper CAT 225 x1	" "	

Prepared by:	K. Osuchukwu	Signed:	
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Date:	21/08/14	Site:	Hafod Quarry Landfill
Weather	Dry, clear, sunny, light shower	CQA Plan Ref:	

Visitors to Site:	
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Works Inspected and Progress on Site

Inspection of Completion of the compaction of first layer of the ECL (Grid Ref: ABC 1-3). Inspection of Placement of the second layer of ECL (Grid Ref: ABCD 8).

Carried out field compliance sampling and testing on another part of layer one of the ECL (Grid Ref: B4).

The nature of the clay changed as the excavation continued from the source. The clay became very dry and hard, and was coming out as a boulder clay. Because it is a very good clay with little or no tile & bricks (this time), we decided to use it by first of all soaking the boulder clay in water inside a trench. This will enable the dozer to break them easily during placement. Water will also be added to it during placement, if it is noticed that it is too dry.

Plant on Site:	Hours of Operation:	Comments:
1) Excavator Volvo EC240CLX1	0700 - 1900	
2) Excavator JCB JS 130 X 1	" "	
3) Dozer CAT D6R LHP X 1	" "	
4) Bamag BW213BH X 1	" "	
5) Dumper Bell B30D X 1	" "	
6) Dumper CAT 225 X 1	" "	

Prepared by:	K. Osuchukwu	Signed:	Thakchuk
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Date:	22/08/14	Site:	Hafod Quarry Landfill
Weather	Wet, Rain	CQA Plan Ref:	

Visitors to Site:	
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Works Inspected and Progress on Site

Due to rain on site, the clay became so wet, and there was no placement or compaction of clay.

Plant on Site:	Hours of Operation:	Comments:
① Excavator Volvo EC240LC ② Excavator JCB JS130X4 ③ Bobcat CAT D6R KPPX1 ④ Bomag BW213 bit x1 ⑤ Bumper Bell B30D x1 ⑥ Bumper CAT 225 x1		

Prepared by:	K. Osuchukwu	Signed:	
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Date:	26/08/14	Site:	Hagfold Quarry Landfill
Weather	Wet, Rain	CQA Plan Ref:	

Visitors to Site:	
Works Inspected and Progress on Site There is no placement of clay and no compaction due to wet clay and rain.	

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240CH (2) Excavator JCB JS 130 X1 (3) Dozer CAT D6R LGP X1 (4) Backhoe BW213 DH X1 (5) Dumper Bell B305 X1 (6) Dumper CAT 225 X1		

Prepared by:	K. Osuchukwu	Signed:	
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Date:	27/08/14	Site:	Hafod Quarry Landfill
Weather	Dry, cloudy	CQA Plan Ref:	

Visitors to Site:	
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Works Inspected and Progress on Site

Inspection of the Placement and compaction of the Second layer of the ECL (Grid Ref: ABC 1-4 and ABC 1-3) respectively.

Carried out field compliance testing and sampling on the last part of layer one (1) of the ECL (Grid Ref: B2).

Due to the wetness of the clay, work was delayed to allow time for the clay to dry. Placement and compaction commenced after lunch break from the part of the Side wall that showed signs of adequate dryness and firmness.

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240CLX1	0700 - 1700	
(2) Excavator JCB JS 130X1	" "	
(3) Dozer CAT D6R LGP X1	" "	
(4) Bomag BW 213 BH X1	" "	
(5) Dumper Bell B30D X1	" "	
(6) Dumper CAT 225 X1	" "	
(7) Tractor Valtra 85 AFSK		

Prepared by:	K. Osuchukwu	Signed:	<i>[Signature]</i>
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Date:	28/08/14	Site:	Hafod Quarry landfill
Weather	Wet, Sunny, Dry	CQA Plan Ref:	

Visitors to Site:	
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Works Inspected and Progress on Site

Inspection of the placement and compaction of the second layer of the ECL continued (Grid Ref: ABCD 6-7 and ABC4-5) respectively.

Carried out field compliance sampling and testing on the second layer of the ECL (Grid Ref: A3 & B5).

The moisture content for test ref: CL6/20 failed to achieve the compliance criteria of between 12 to 20% water content. Instead it achieved only 11.9%. There will be a re-test tomorrow.

Plant on Site:	Hours of Operation:	Comments:
① Excavator Volvo EC240CLX	0700 — 1700	
② Excavator JCB JS 130X1	" "	
③ Dozer CAT 56R LHPX1	" "	
④ Bomag BW213 DH X1	" "	
⑤ Dumper Bell B30b X1	" "	
⑥ Dumper CAT 225 X1	" "	
⑦ Tractor Valtra 85 A 9K	" "	

Prepared by:	K. Osuchukwu	Signed:	
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Date:	29/08/14	Site:	Haford Quarry Landfill
Weather	Wet, Rain, Sunny	CQA Plan Ref:	

Visitors to Site:	
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Works Inspected and Progress on Site

Inspection of the completion of Placement and compaction of the second layer of the ECL (Grid Ref: ABCD 7 & ABCD 6-7) respectively.

Carried out a re-test for the failed compliance testing on the second layer of the ECL (Grid Ref: A3). The area of non-compliance (Grid Ref: A3) was remediated through excavation and adjustment of the water content by the addition of water. This was followed by the application of additional compaction. The result of the moisture content test for the re-tested area shows a significant increase, from 11.9% to 19%.

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240CL x1	0700 — 1700	
(2) Excavator JCB JS 130 x1	" "	
(3) Loader CAT 36R LGP x1	" "	
(4) Bomag BW 213 DH x1	" "	
(5) Dumper Bell B30D x1	" "	
(6) Dumper CAT 225 x1	" "	
(7) Tractor Valtra 85 AF SK	" "	

Prepared by:	K. Osuchukwu	Signed:	
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Weather	Wet, Dry, Sunny	CQA Plan Ref:	

Visitors to Site:	
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Works Inspected and Progress on Site

Inspection of placement and compaction of the third layer of the ECL (Grid Ref: ABC1-4).

Carried out field compliance sampling and testing on the last part of the second layer of ECL and a part of the third layer (Grid Ref: B8C7), (Grid Ref: B2) respectively.

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240CLX1	0700 — 1700	
(2) Excavator JCB JS130 X1	" "	
(3) Dozer CAT 56R LGP X1	" "	
(4) Bomag BM213 BH X1	" "	
(5) Dumper Bell B303 X1	" "	
(6) Dumper CAT 225 X1	" "	
(7) Tractor Valtra 85AF9K X1	" "	

Prepared by:	K. Osuchukwu	Signed:	
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i	23/10/10	Draft for comment	Richard C
ii	22/7/11	Renumbered	Richard C



Date:	02/09/14	Site:	Hafod Quarry Landfill
Weather	Dry, sunny, clear	CQA Plan Ref:	

Visitors to Site:	(1) R. Clarke
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Works Inspected and Progress on Site

Inspection of the completion of placement and compaction of the third layer of the ECL (Grid Ref: ABC 5 & ABCD 6-8) carried out ^{field} Compliance sampling and testing on the third layer of ECL (Grid Ref: C5).

Richard Clarke was on site today to collect bulk, core, and drainage gravel samples.

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240CHX1	0700 — 1700	
(2) Excavator JCB JS 130 x 1	" "	
(3) Dozer CAT D6K LRD x 1	" "	
(4) Bomag BW 213 DH x 1	" "	
(5) Bumper Bell B305 x 1	" "	
(6) Dumper CAT 225 x 1	" "	
(7) Tractor Valtra 85 AF 9K x 1	" "	

Prepared by:	K. Osuchukwu	Signed:	<i>[Signature]</i>
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Revision Index

i	23/10/10	Draft for comment	Richard C
ii	22/7/11	Renumbered	Richard C



FTC-1007

Daily Quality Record

Date:	03/09/14	Site:	Hafod Quarry Landfill
Weather	Dry, Clear, Sunny	CQA Plan Ref:	

Visitors to Site:	
Works Inspected and Progress on Site Inspection of the placement and compaction of the fourth (final) layer of the ECL (Grid Ref: ABC 1-4 & ABC 1-3) respectively. Carried out field compliance sampling and testing on one location of the fourth layer of the ECL (Grid Ref: B2).	

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240LC x1	0700 — 1700	
(2) Excavator JCB JS130 x1	" "	
(3) Dozer CAT D6R LRP x1	" "	
(4) Bomag BW213 DH x1	" "	
(5) Bumper Bell B300 x1	" "	
(6) Bumper Cat 225 x1	" "	
(7) Tractor (Tanker) Vauxtra 85AF9K x1	" "	

Prepared by:	K. Osuchukwu	Signed:	Richard C Chukwu
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Revision Index

i	23/10/10	Draft for comment	Richard C
ii	22/7/11	Renumbered	Richard C



Date:	04/09/14	Site:	Hafod Quarry Landfill
Weather	Dry, clear, sunny	CQA Plan Ref:	

Visitors to Site:	(1) B. Vaufoord (Cory Environmental) (2) A. Tamljn (Cory Environmental) (3) C. Jones " "
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Works Inspected and Progress on Site

Inspection of the excavation of ~~the~~ clay from the source, and the addition of water to improve the moisture content.

There was no clay lining today because the dozer broke down and could not be repaired today.

Plant on Site:	Hours of Operation:	Comments:
(1) Excavator Volvo EC240LC X1	0700 — 1700	Dozer broke down and was not in use until the close of work
(2) Excavator JCB JS130 X1	0700 — 1700	
(3) Dozer CAT D6R LQP X1		
(4) Bomag BW 213 BH X1		
(5) Dumper Bell B35D X1		
(6) Dumper CAT 225 X1		
(7) Tractor (water tanker) Valtra 85AF9K		

Prepared by:	K. Osuchukwu	Signed:	
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Revision Index

i	23/10/10	Draft for comment	Richard C
ii	22/7/11	Renumbered	Richard C



Daily Site Record Sheet

Date:	05/09/14	Site:	Hafod Gair
Weather:	dry, cloudy, clear, Sunny	CQA Plan Ref:	

Visitors to Site:	(1) N. Grayson (Com Environmental) (2) R. Burnes (Com Environmental) (3) J. Bankes (ICC)
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Work Inspected and Progress on Site:

Inspection of the placement and compaction of the fourth Layer of the ECL (Grid Ref: ABCD 5-8). Some part of the (Grid Ref: ABCD 8) of the fourth Layer has not been placed and compacted, but will be completed on Monday (08/09/14).

Carried out field Compliance sampling and testing on the remaining locations of the fourth Layer of the ECL (Grid Ref: CH, AG, & B 7-8).

List of Plant	Hours of Operation	Comments
(1) Excavator JCB JS 130 X1	07:00 — 18:00	
(2) Excavator Volvo EC240CLX1	" "	
(3) Loader CAT DGR LGP X1	" "	
(4) Bomag BW213 DH X1	" "	
(5) Dumper Bell B30D X1	" "	
(6) Dumper CAT 225 X1	" "	
(7) Valtra 85 AF 9K X1	" "	

Prepared by:	K. Osuchukwu	Signed:	<i>[Signature]</i>
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Daily Site Record Sheet

Date:	08/09/14	Site:	Hafod Quarry Landfill
Weather:	Dry, Clear, Sunny	CQA Plan Ref:	

Visitors to Site:	
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Work Inspected and Progress on Site:

WORKS COMPLETE - SITE DEMOBILISED.

List of Plant	Hours of Operation	Comments

Prepared by:		Signed:	
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