



Date:	03/08/15	Site:	Hafod Landfill
Weather	Dry and Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Installation of groundwater drainage at the foot of the northern batter.• 180mm OD diameter perforated HDPE pipes used.• Pipes surrounded by a gravel pack.• Groundwater drainage placed and surrounded by geotextile (Terram 1B1).	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC	7am- 4pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	04/08/15	Site:	Hafod Landfill
Weather	Dry and Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	Richard Clarke
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Works Inspected and Progress on Site

- Trial pad Placed at 300mm thickness and compacted to 250mm
- Layer rolled 6 times to get required thickness
- HSV reading carried out on 1st layer
- HSV reading taken on 2nd layer
- Bulk samples taken of insitu soil for testing

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Roller: Hamm 3412 Dump trucks: VOLVO A25D	7am- 4pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	05/08/15	Site:	Hafod Landfill
Weather	Dry and Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Placement of geocomposite over grid section 3CF• Moisture content test for layers 1 and 2 respectively were 11.12% and 10.79%.• Placement of layer 1 and 2 at 300mm and compacted to required thickness of 250mm• Layer 1 and 2 were watered to achieve required moisture content.	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Roller: Hamm 3412 Dump trucks: VOLVO A25D	7am- 4pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	06/08/15	Site:	Hafod Landfill
Weather	Dry and Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	Richard Clarke
Works Inspected and Progress on Site <ul style="list-style-type: none">• Layer 3 placed down at 300mm thickness and compacted to required thickness of 250mm• Layers 4,5 and 6 placed down at 400mm thickness and compacted to required thickness of 300mm• Core cutter samples taken• Bulk samples taken• Layer thickness changed to 300mm from layer 4	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Roller: Hamm 3412 Dump trucks: VOLVO A25D	7am- 4pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	07/08/15	Site:	Hafod Landfill
Weather	Dry and Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Layers 7,8 and 9 placed down at 400mm thickness and compacted to required thickness of 300mm• Core cutter samples taken• Bulk samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Roller: Hamm 3412 Dump trucks: VOLVO A25D	7am- 4pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	10/08/15	Site:	Hafod Landfill
Weather	Dry and Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Layers 10,11,12 and 13 placed down at 400mm thickness and compacted to required thickness of 300mm• Core cutter samples taken• Bulk samples taken• HSV reading for layer13 was <50kpa, layer remediated with better soil to achieved required HSV reading	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Roller: Hamm 3412 Dump trucks: VOLVO A25D	7am- 4pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	11/08/15	Site:	Hafod Landfill
Weather	Dry and Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Layers 15,16 and 17 placed down at 400mm thickness and compacted to required thickness of 300mm• Core cutter samples taken• Bulk samples taken• Excavator was serviced from 7am to 10am	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Roller: Hamm 3412 Dump trucks: VOLVO A25D	7am- 4pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	12/08/15	Site:	Hafod Landfill
Weather	Dry and Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	Richard Clarke
Works Inspected and Progress on Site <ul style="list-style-type: none">• Layers 18,19 and 20 placed down at 400mm thickness and compacted to required thickness of 300mm• Core cutter samples taken• Bulk samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Roller: Hamm 3412 Dump trucks: VOLVO A25D	7am- 4pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	13/08/15	Site:	Hafod Landfill
Weather	Dry and Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Layers 21,22,23, and 24 placed down at 400mm thickness and compacted to required thickness of 300mm• Core cutter samples taken• Bulk samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Roller: Hamm 3412 Dump trucks: VOLVO A25D	7am- 4pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	14/08/15	Site:	Hafod Landfill
Weather	Wet/Heavy rain	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">No work due to heavy rain	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Roller: Hamm 3412 Dump trucks: VOLVO A25D	7am– 4pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	17/08/15	Site:	Hafod Landfill
Weather	Dry and Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Layers 25,26 and 27 placed down at 400mm thickness and compacted to required thickness of 300mm• Core cutter samples taken• Bulk samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Roller: Hamm 3412 Dump trucks: VOLVO A25D	7am- 4pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	18/08/15	Site:	Hafod Landfill
Weather	Dry and Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Layers 28,29,30,31,32,33 and 34 placed down at 400mm thickness and compacted to required thickness of 300mm• Core cutter samples taken• Bulk samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Roller: Hamm 3412 Dump trucks: VOLVO A25D	7am- 4pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	19/08/15	Site:	Hafod Landfill
Weather	Dry and Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">Clearing and preparation of Western slope for deployment of 1m clay liner	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Roller: Hamm 3412 Dump trucks: VOLVO A25D	7am– 4pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	20/08/15	Site:	Hafod Landfill
Weather	Dry/Cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Layers 4B and 5B on the western batter placed down at 300mm thickness and compacted to required thickness of 250mm• Core cutter samples taken• Bulk samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Roller: Hamm 3412 Dump trucks: VOLVO A25D	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	21/08/15	Site:	Hafod Landfill
Weather	Wet/Light rain	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Layers 3 and 4 on grid 4B/5B on the western batter placed down at 300mm thickness and compacted to required thickness of 250mm• Core cutter samples taken• Bulk samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Roller: Hamm 3412 Dump trucks: VOLVO A25D	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	24/08/15	Site:	Hafod Landfill
Weather	Dry/cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Preparation of access to section 2 of the Northern batter• Installation of groundwater drainage pipes (180mm OD diameter perforated HDPE) to collect groundwater where the northern batter meets the eastern batter• Groundwater drainage pipes enclosed in geotextile and gravel pack	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Dump trucks: VOLVO A25D	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	25/08/15	Site:	Hafod Landfill
Weather	Dry/cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Water was pumped out of the groundwater pond• 450mm diameter HDPE sidewall riser pipes welded• 2 joints achieved (joints 1 and 2)	

Plant on Site:	Hours of Operation:	Comments:
BUTT WELDING MACHINE: Trackster PS5002	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	26/08/15	Site:	Hafod Landfill
Weather	Dry/cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">Groundwater drainage channelled to groundwater drainage sump at the toe of the northern batter	

Plant on Site:	Hours of Operation:	Comments:
Excavator: VOLVO EC360BLC Dump trucks: VOLVO A25D	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	27/08/15	Site:	Hafod Landfill
Weather	Dry/cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• 450mm diameter HDPE sidewall riser pipes welded• 4 joints achieved (195,196,197,198)	

Plant on Site:	Hours of Operation:	Comments:
BUTT WELDING MACHINE: Trackster PS5002	7am- 5pm	Welding Machine control box was exchanged for a new one

Prepared by:	Kay Adedotun	Signed:	
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Date:	28/08/15	Site:	Hafod Landfill
Weather	Dry/light rain	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Installation of one the 450mm diameter sidewall sideriser pipe (string 1)• String 1 is 30m plain and 3m perforated• Geotextile placed in trench• Gravel pack placed around perforated 3m end pipe	

Plant on Site:	Hours of Operation:	Comments:
Excavator: VOLVO EC360BLC Excavator2 : JCB JS130	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	01/09/2015	Site:	Hafod Landfill
Weather	Wet/cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Welding of 450mm HDPE sidewall sideriser pipes• Welding failed due to fault with machine• Machine was repaired	

Plant on Site:	Hours of Operation:	Comments:
BUTT WELDING MACHINE: Trackster PS5002	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	02/09/2015	Site:	Hafod Landfill
Weather	Wet/rain	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Welding of 450mm HDPE sidewall sideriser pipes• Welding failed due to fault with machine• Machine was repaired	

Plant on Site:	Hours of Operation:	Comments:
BUTT WELDING MACHINE: Trackster PS5002	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	03/09/2015	Site:	Hafod Landfill
Weather	Wet/rain	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Welding of 450mm HDPE sidewall sideriser pipes• Welding failed due to fault with machine• Machine was taken away for repair• New Welding Machine expected for delivery• 3 welds achieved, joints 1,2 and 3	

Plant on Site:	Hours of Operation:	Comments:
BUTT WELDING MACHINE: Trackster PS5002	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	04/09/2015	Site:	Hafod Landfill
Weather	Dry/Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Welding of 450mm HDPE sidewall sideriser pipes• 13 joints welded• Joints 4 and 5 for string 1B• Joints 6-16 for string 2	

Plant on Site:	Hours of Operation:	Comments:
BUTT WELDING MACHINE: Trackster PS5002 Excavator: JCB JS130	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	07/09/2015	Site:	Hafod Landfill
Weather	Dry/Cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Trench excavated for 450mm siderisers• Coupling of string 1A and 1B of 450mm siderisers• Installation of string1 450mm siderisers	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130 Fusion Qbox Fusmatic	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	08/09/2015	Site:	Hafod Landfill
Weather	Dry/cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• String 2 of 450mm sideriser placed in excavated trench• Water in current groundwater pond pumped out• Work stopped due to faulty pump	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130 Excavator: VOLVO EC360BLC	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	09/09/2015	Site:	Hafod Landfill
Weather	Dry/cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">Water in current groundwater pond pumped out	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130 Excavator: VOLVO EC360BLC	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Weather	Dry/cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">Water in current groundwater pond pumped out	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130 Excavator: VOLVO EC360BLC	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	11/09/2015	Site:	Hafod Landfill
Weather	Dry/cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Water in current groundwater pond pumped out.• Slurry and refuse taken out from the base and surroundings of groundwater pond• Hardcore stones and bricks placed in the empty groundwater pond	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130 Excavator: VOLVO EC360BLC Dump truck: VOLVO A25D	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	14/09/2015	Site:	Hafod Landfill
Weather	Wet/Rain	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">Rain no work.	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130 Excavator: VOLVO EC360BLC	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	15/09/2015	Site:	Hafod Landfill
Weather	Wet/Rain	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">Rain no work.	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130 Excavator: VOLVO EC360BLC	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	16/09/2015	Site:	Hafod Landfill
Weather	Dry/Cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Installation of 450mm siderisers into groundwater sump• Perforated 3m end of siderisers pipe placed in gravel pack, wrapped in a geotextile separator• Pipe was clean when installed• Gravel was free of any soil or deleterious substances• One submersible pump placed in the 450mm sideriser pipe	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130 Excavator: VOLVO EC360BLC	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	17/09/2015	Site:	Hafod Landfill
Weather	Dry/Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">Existing groundwater drain from cell3 was connected to main groundwater sump of cell4	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130 Excavator: VOLVO EC360BLC	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	18/09/2015	Site:	Hafod Landfill
Weather	Dry/Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Submersible pump flow rate was 80m³/hour• Preparation of eastern slope for clay liner deployment	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	21/09/2015	Site:	Hafod Landfill
Weather	Wet/Rain	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">No work due to rain	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	22/09/2015	Site:	Hafod Landfill
Weather	Wet/Rain	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">Installation of ground water drain on the eastern slope, groundwater drain channelled into main groundwater sump	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130 Excavator: VOLVO EC360BLC	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	23/09/2015	Site:	Hafod Landfill
Weather	Dry/cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Geocomposite deployment on the eastern slope• Roll 17, Batch No 15239100000000• Roll 18, Batch No 15239100000000• Roll 16, Batch No 15239100000000• Rolls 16,17,18 used to cover grid section 2GH• Placement of layer 1 of clay liner at 300mm thickness over grid section 2GH, layer compacted to 250mm thickness• samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Compactor: Hamm 3412 2 Dump trucks	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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i	23/10/10	Draft for comment	Richard C
ii	22/7/11	Renumbered	Richard C



Date:	24/09/2015	Site:	Hafod Landfill
Weather	Dry/cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	Richard Surveyor
Works Inspected and Progress on Site <ul style="list-style-type: none">• Layers 1 and 2 of the clay liner were placed at 300mm thickness and compacted down to 250mm (grid section 2GH)• Deployment of geocomposite to cover grid sections 3GH• Roll 19, Batch No 15239100000000• Roll 20, Batch No 15239100000000• samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Compactor: Hamm 3412 2 Dump trucks	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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i	23/10/10	Draft for comment	Richard C
ii	22/7/11	Renumbered	Richard C



Date:	25/09/2015	Site:	Hafod Landfill
Weather	Dry/cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	Richard Clarke
Works Inspected and Progress on Site <ul style="list-style-type: none">• Layer 3 of the clay liner was placed at 300mm thickness and compacted down to 250mm (grid section 2GH)• Slope gradient of the eastern batter adjusted to reach a gradient of 1 in 3• samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Compactor: Hamm 3412 2 Dump trucks	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Revision Index

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



Date:	28/09/2015	Site:	Hafod Landfill
Weather	Dry/sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Placement of layer 4 of clay liner at 300mm thickness and compacted to 250mm thickness (grid section 2gh)• 2 bulk samples taken for recompacted laboratory test• Placement of layer 1 and 2 of clay liner at 300mm thickness and compacted to 250mm thickness (grid section 3gh)• Deployment of geocomposite on grid section 3gh. Rolls 3 and 4 used, batch no: 15239100000000• Placement of layer 1,2 and 3 of clay liner at 300mm thickness and compacted to 250mm thickness (grid section 3g)• samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Compactor: Hamm 3412 2 Dump trucks	7am- 7pm	

Prepared by:	Kay Adedotun	Signed:	
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i	23/10/10	Draft for comment	Richard C
ii	22/7/11	Renumbered	Richard C



Date:	29/09/2015	Site:	Hafod Landfill
Weather	Dry/sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Placement of layers 3 and 4 of clay liner at 300mm thickness and compacted to 250mm thickness (grid section 3gh)• Placement of layers 1,2,3,4,5,6,7,8,9,10,11,12,13,14 and 15 of clay liner at 300mm thickness and compacted to 250mm thickness (grid section 3g)• samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Compactor: Hamm 3412 2 Dump trucks	7am- 7pm	

Prepared by:	Kay Adedotun	Signed:	
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i	23/10/10	Draft for comment	Richard C
ii	22/7/11	Renumbered	Richard C



Date:	30/09/2015	Site:	Hafod Landfill
Weather	Dry/cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Placement of layers 15,16,17,18,19,20,21,22,23,24 and 25 of clay liner at 300mm thickness and compacted to 250mm thickness (grid section 4gh)• samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Compactor: Hamm 3412 2 Dump trucks	7am- 7pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	01/10/2015	Site:	Hafod Landfill
Weather	Dry/sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Placement of layers 26 and 27 of clay liner at 300mm thickness and compacted to 250mm thickness (grid section 4gh)• Decision made to include 1m of clay liner over intercell bund• Placement of layers 1,2 and 3 of clay liner at 300mm thickness and compacted to 250mm thickness (Intercell bund, grid section 3cf)• samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Compactor: Hamm 3412 2 Dump trucks	7am- 7pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	02/10/2015	Site:	Hafod Landfill
Weather	Dry/Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Layer 4 of clay liner placed at 300mm thickness and compacted to 250mm thickness (grid section 3cf intercell bund)• Target pad mapped out and peg put into position• Placement of layers 28 and 29 of clay liner at 300mm thickness and compacted to 250mm thickness (grid section 4gh)• Geocomposite used on the base of the cell• samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Compactor: Hamm 3412 2 Dump trucks	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	05/10/2015	Site:	Hafod Landfill
Weather	Wet/rain	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Placement of layers 30 and 31 of clay liner at 300mm thickness and compacted to 250mm thickness (grid section 4gh)• Placement of layers 32,33,34 and 35 of clay liner at 300mm thickness and compacted to 250mm thickness (grid section 5gh)• samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Compactor: Hamm 3412 2 Dump trucks	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	06/10/2015	Site:	Hafod Landfill
Weather	Dry/Cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	Richard Clarke
Works Inspected and Progress on Site <ul style="list-style-type: none">• Placement of layers 36,37 and 38 of clay liner at 300mm thickness and compacted to 250mm thickness (grid section 5gh)• samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Compactor: Hamm 3412 2 Dump trucks	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	07/10/2015	Site:	Hafod Landfill
Weather	Wet/rain	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">Leachate pipe welding2 joints achieved	

Plant on Site:	Hours of Operation:	Comments:
Butt fusion welding machine	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Revision Index

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



Date:	08/10/2015	Site:	Hafod Landfill
Weather	Dry/Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	Richard Clarke
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Works Inspected and Progress on Site

- Leachate drainage pipe welded, welds 3,4,5,6,7,8,9,10,11,12,13,14,15,16,17 achieved
- Geocomposite deployment on the base of cell , roll 8 batch no 15239100000000
- 100m of roll 8 geocomposite used
- Monitoring points A and B marked out and excavated
- Layers 39 and 40 of clay liner placed at 300mm thickness and compacted to 250mm (grid section 5gh)
- Layers 1 of clay liner placed at 300mm thickness and compacted to 250mm (grid section 3cf of cell base)
- samples taken

Plant on Site:	Hours of Operation:	Comments:
Butt fusion welding machine Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Compactor: Hamm 3412 2 Dump trucks	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	09/10/2015	Site:	Hafod Landfill
Weather	Dry/Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	Richard Clarke
Works Inspected and Progress on Site <ul style="list-style-type: none">• Layers 2 and 3 of clay liner placed at 300mm thickness and compacted to 250mm (grid section 3cf of cell base)• Soil samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Compactor: Hamm 3412 2 Dump trucks	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	12/10/2015	Site:	Hafod Landfill
Weather	Dry/Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">Layer 4 of clay liner placed at 300mm thickness and compacted to 250mm (grid section 3cf of cell base)Soil samples taken	

Plant on Site:	Hours of Operation:	Comments:
Bulldozer: CAT D6R LGP Excavator: VOLVO EC360BLC Compactor: Hamm 3412 Dump trucks: Volvo A25d	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	13/10/2015	Site:	Hafod Landfill
Weather	Dry/Sunny	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Construction of target pad (leachate extraction point)• Section for target pad marked out and excavated to specification• Steel frame put into position• No shuttering used• Geotextile placed on the based of excavated section• Target pad section concreted	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	14/10/2015	Site:	Hafod Landfill
Weather	Dry/Cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Excavation of section for monitoring points A and B• Steel frame placed into excavated section for monitoring point A and B• The entire cell smooth rolled by a smooth drum compactor	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130 Compactor: Bomag BW177DH	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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ii	22/7/11	Renumbered	Richard C



Date:	15/10/2015	Site:	Hafod Landfill
Weather	Dry/Cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">Monitoring points A and B concreted	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130	7am- 5pm	

Prepared by:	Kay Adedotun	Signed:	
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ii	22/7/11	Renumbered	Richard C



Date:	16/10/2015	Site:	Hafod Landfill
Weather	Dry/Cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">• Geotextile deployment. Roll 331,192, 191 and 190 on the base of the cell (Batch No. 1493150000000000)• Limestone gravel placed over geotextile• >50mm limestone gravel used for leachate layer	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130 Dump truck; Volvo A25d Excavator: VOLVO EC360BLC	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Date:	19/10/2015	Site:	Hafod Landfill
Weather	Dry/Cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">Excavation of trench at the top of the cell for collection of surface water	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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i	23/10/10	Draft for comment	Richard C
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Date:	20/10/2015	Site:	Hafod Landfill
Weather	Dry/Cloudy	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	Richard Clarke
Works Inspected and Progress on Site <ul style="list-style-type: none">Leachate drainage pipe temporary installed in position for the surveyor to mark out points	

Plant on Site:	Hours of Operation:	Comments:
Excavator: JCB JS130	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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i	23/10/10	Draft for comment	Richard C
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Date:	21/10/2015	Site:	Hafod Landfill
Weather	Wet/Rain	CQA Plan Ref:	Hafod/C4/P1

Visitors to Site:	
Works Inspected and Progress on Site <ul style="list-style-type: none">Rain, no work	

Plant on Site:	Hours of Operation:	Comments:
	7am– 5pm	

Prepared by:	Kay Adedotun	Signed:	
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Revision Index

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



Date:	10 December 2015	Site:	Hafod Landfill
Weather	Overcast, dry	CQA Plan Ref:	CQA Plan V2.0 July 2015

Visitors to Site:	
Works Inspected and Progress on Site Site visit and inspection of works to leachate collection system completed since suspension and demob of CQA Engineer; these works comprised completion of placement/trimming of leachate drainage blanket, completion of collection chamber construction. Gravel drainage blanket trial-pitted by hand at several locations, to check depth >300mm – all satisfactory. Depth of haunch over leachate drainage pipes also checked at several locations, and found to be >200mm. Photos taken of both checks. Gravel appeared generally clean and in good condition, some minor silting (run-off) at base of haul road, but not significant. Hardcore access ramp has been formed down northern/western valley in advance of waste placement. Cell was partially flooded at time of visit, but pump operating to remove water.	

Plant on Site:	Hours of Operation:	Comments:
None in connection with the works, other than 4" high head pump		

Prepared by:	R A Clarke	Signed:	R A Clarke
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