

Appendix G – Site Condition Report Update

BARROW SITE CONDITION REPORT - UPDATE SUMMARY EXTRACT

Introduction

Kimberly-Clark are installing a new hydrogen/ natural gas boiler plant on the southern part of the site. The hydrogen supply for the boiler is to be provided by pipeline from a facility off site to the south west. The construction of the new boiler plant will fall under the responsibility of Kimberly-Clark and is situated within the current installation boundary. Natural gas will be provided by amending the existing supply to the high-pressure boiler house and re-routing to the refurbished low pressure boiler house which will contain the new boiler plant.

To support this variation an assessment of the proposed new boiler house and associated risks to soil and groundwater has been undertaken. This has required assessment of proposed plant and operations to establish whether they represent additional areas of potential concern.

New natural gas / hydrogen boiler

It is proposed that a natural gas/ hydrogen boiler will be positioned within the existing low pressure boiler house and replace the current standby boilers.

A reverse osmosis (RO) system is proposed to treat water supplied by mains (towns) water. Water treatment chemicals will be required and according to current proposals, these will continue to be delivered to site by bulk road tanker.

The chemicals envisaged to be used (with the approximate estimated annual use quantity in kg) in the new boilers are the same as those that are used in the current boilers and are as follows:

- Optisperse ADJ 5150 an alkalinity builder (600 kg)
- Cortrol OS5301 – Oxygen scavenger (960 kg)
- Solus AP26 – Boiler scale inhibitor (626 kg)
- Steamate NA0880 – Condensate treatment (230 kg).

MSDS for these substances are available.

Water treatment chemicals will be pumped from road tankers into bulk storage facilities (IBCs or similar) within the new boiler plant area, and then, as required into mixing vessels will be used to store the chemicals prior to being used to treat boiler feedwater. These vessels are single-skinned, but are to be placed within a bunded area.

The mixing vessels are to be referenced as follows:

- PK000 (~200litres) for Cortrol, oxygen scavenger
- PK-100, PK-200, PK-300 (each ~100litres) for pH correction.

Ground investigation for boiler design/ new hydrogen pipeline 2026

Additional ground investigation was undertaken by Dunelm in 2026 on behalf of Ameresco (report ref. M31171, dated 27 February 2026) specifically for the planning application submission. Ameresco acted as project managers for the hydrogen facility and boiler plant on behalf of Kimberly-Clark.

The findings of this investigation are summarised below. RSK was instructed by Kimberly-Clark to visit the site during the investigation. A site diary report of this work is provided together with a full copy of the Dunelm report.

The key aspects of this investigation and findings presented in this report are summarised below.

The investigation covered the areas of a proposed retaining wall, natural gas/ hydrogen boilers and below-ground hydrogen pipeline. The objective was to determine ground condition beneath the site, assess risk from ground contamination and provide geotechnical data.

The investigation was undertaken between 12 and 15 January 2026 and comprised the following intrusive locations:

- two mini-dynamic sampling boreholes (BH02, BH03) to a maximum depth of 6.45m bgl – drilled into the embankment on the eastern site boundary
- cable percussion boreholes (BH01 and BH04) to a maximum depth of 8.45m bgl drilled into the existing roadway adjacent to the embankment.

Reported ground conditions detailed in the report can be summarised as follows:

- no visual or olfactory observations of ground contamination (such as oily staining and hydrocarbon odours) were recorded
- superficial soil conditions reported comprised topsoil (approximately 0.4m in thickness) over made ground (reworked clay or gravel of granite)
- natural superficial strata encountered comprised firm to stiff sandy gravelly clay with some clayey sand horizons
- a hydrocarbon odour was recorded in made ground at 0.4-0.8m in BH02. No other field observations of contamination were recorded
- no groundwater was encountered and monitoring wells were not installed.

A summary of key observations and contaminant concentrations in soil are provided below.

- overall, the reported concentrations of contaminants in soil were very low and below commercial end use screening criteria
- reported maximum soil concentrations of inorganic compounds in the soil samples are summarised as follows:
 - no asbestos was detected in the four samples tested for this parameter
 - in 6 samples, the maximum reported concentrations of metals / CN were as follows: As; 9.4mg/kg, Cd; 0.4mg/kg, Cr; 26mg/kg, CrVI; <1.0, Cu; 18mg/kg, Pb; 21mg/kg, Hg; <0.05mg/kg, Ni; 27mg/kg; Se; <0.5mg/kg, Zn; 40mg/kg. pH; 8.2, CN (total); 0.1mg/kg

- Maximum concentrations of organic compounds reported in the 6 soil samples tested were as follows:
 - total petroleum hydrocarbons; below LOD for all fractions (<0.01-<4.9). This includes the sample collected at 0.5m in BH02 where hydrocarbon odours were noted
 - benzene, toluene, ethylbenzene, xylenes; <0.01mg/kg
 - Total polycyclic aromatic hydrocarbons (PAH); 1.3mg/kg
 - Volatile organic compounds; <0.01mg/kg
 - Phenols (monohydric); 0.6mg/kg.

The additional data collected by Dunelm towards the eastern boundary in 2026 in connection with the update to the proposed update to the boiler provides limited, shallow, general soil condition data in this part of the site.

Assessment of Relevant Hazardous Substances (RHS) and likelihood of contaminant release

A risk assessment for the chemicals to be used at the new boiler plant is attached together with a supplemental assessment of likelihood of contaminant release which shows a low likelihood in all cases.

Chemical	Make	Quantity used on site annually (tonnes)	Chemical characteristics	Physical state	Solubility	Mobility	Environmental advice	Site Location	Relevant Hazardous Substance	Details of existing pollutant prevention measures for each chemical	Soil and Ground-water Pollution Potential	Actual Pollution Risk?
Caster Oil	Hampshire Commodities Ltd	10	No known significant effects or critical hazards	Colourless/slightly yellow to green liquid	Insoluble (soluble in ethanol)	Mobile- liquid	Expected to be completely biodegradable	Unknown	Yes	All storage facilities for chemicals and lubricants are appropriately bunded. Spillage procedure is to close the effluent sump to sewer valve to prevent liquid reaching sewer system in bulk. If possible contain and soak up spill without it entering drain system. If spillage has entered drainage system assess volume within effluent surge tank, if possible drip feed this back into sewer, if not possible, make separate assessment of how to remove substance without it entering sewer system. Any spillages in external areas would be contained using emergency spill containment equipment.	Low - securely stored on site. No hazardous properties, no specific risk to groundwater or soils	No
5-50% CAUSTIC SODA	Monarch	Unknown	Corrosive to metals, causes severe skin burns and eye damage	Colourless liquid	Liquid	Mobile- liquid	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. If material reaches soil inform authorities responsible for such cases.	Unknown	Yes		Low to moderate - securely stored on site. Harmful in contact with skin or eyes, but no specific risk to groundwater or soils	Yes
Crepetrol 9730	Solenis	Unknown	No known significant effects or critical hazards	amber liquid	dispersible	mobile- liquid	Prevent product from reaching drains. If product contaminates rivers, lakes or drains inform the respective authorities	IBC- PM3 Chemical Kitchen	Yes		Low - securely stored on site. No hazardous properties, no specific risk to groundwater or soils	No
FENNOSTRENGTH WS505	Kemira	Unknown	Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment	Yellowish clear liquid	Completely miscible	Mobile- liquid	Try to prevent the material from entering drains or water courses. If the product contaminates rivers and lakes or drains inform respective authorities.	Tank (Wet strength resin)	Yes		Low/moderate - securely stored on site. Harmful to aquatic organisms with long term effects.	Yes
Gengard GN8253	GE Power	0.5	Corrosive to metals, skin corrosion/irritation/serious eye damage/irritation	Amber to dark brown	100% soluble	Mobile-liquid	Prevent from entering sewers of immediate environment. Large release may harm aquatic organisms	PM3 Chemical kitchen	Yes		Low/moderate - securely stored on site. May be harmful to aquatic organisms if released in large quantities, stored in low quantities	Yes
Poval-4-88	Kuraray	Unknown	No known significant effects or critical hazards	white granular solid	Unknown	Unknown	Not classified for hazards to the environment	Unknown	Yes		Low - securely stored on site. No hazardous properties, no specific risk to groundwater or soils	No
RediBOND 3444	National Starch	28	Slight/mild irritant	Tan liquid	soluble in water	soluble in water	Contributes to effluent BOD, readily biodegradable	TM4 Chemical kitchen	Yes		Low - securely stored on site. No hazardous properties, low risk to groundwater or soils	No
RESOZOL 6235	Solenis	Unknown (IBC)	Skin irritation/eye irritation	translucent liquid	Unknown	Unknown	Prevent product from entering drains. If product contaminates rivers or lakes contact respective authorities	IBC- TM3 Chemical Kitchen	Yes		Low - securely stored on site. No hazardous properties, no specific risk to groundwater or soils	No
TAD+A41	Buckman	Bulk storage	May be corrosive to metals, causes severe skin burns and eye damage	Liquid	soluble in water	Dynamic	Toxic to aquatic life with long lasting effects (aquatic chronic 2). May be harmful to environment if released in large quantities	Unknown	Yes		Low/moderate - securely stored on site. May causes severe skin burns and eye damage . Harmful to environment in large quantities and toxic to aquatic life with long lasting effects	Yes
TAD+A90	Buckman	Bulk storage	No known significant effects or critical hazards	Colourless to light yellow liquid	Unknown	Unknown	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.	Unknown	Yes		Low - securely stored on site. No hazardous properties, no specific risk to groundwater or soils	No
TAD+E50	Buckman	Bulk storage	No known significant effects or critical hazards	Yellowish liquid	Unknown	Unknown	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.	Unknown	Yes		Low - securely stored on site. No hazardous properties, no specific risk to groundwater or soils	No
TAD+I01	Buckman	Bulk storage	No known significant effects or critical hazards	Colourless liquid	Unknown	Unknown	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.	Unknown	Yes		Low - securely stored on site. No hazardous properties, no specific risk to groundwater or soils	No
TAD+R14	Buckman	Bulk storage	No known significant effects or critical hazards	Colourless liquid	Unknown	Unknown	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.	Unknown	Yes		Low - securely stored on site. No hazardous properties, no specific risk to groundwater or soils	No
TAD +R20	Buckman	Bulk storage	No known significant effects or critical hazards	Yellow to amber liquid	Unknown	Unknown	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.	Unknown	Yes		Low - securely stored on site. No hazardous properties, no specific risk to groundwater or soils	No
TAD+R45	Buckman	Bulk storage	No known significant effects or critical hazards	Liquid	Unknown	Unknown	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.	Unknown	Yes		Low - securely stored on site. No hazardous properties, no specific risk to groundwater or soils	No
VECTOR IC 27216	Roquette	Unknown (IBC)	No known significant effects or critical hazards	yellowish aqueous solution	100% soluble	viscous at 20 degrees	Biodegradable. Generally no or weak hazard for water	IBC- PM3 Chemical Kitchen	Yes		Low - securely stored on site. No hazardous properties, no specific risk to groundwater or soils	No
VINNAPAS DP 96	Wacker polymers	28	May cause sensitization by skin contact/skin irritations/rash	white liquid	moderately soluble	viscous at 23 degrees	No expected damaging effects to aquatic organisms. Not hazardous to the environment	L5 Lotion tank	Yes		Low - securely stored on site. No hazardous properties, no specific risk to groundwater or soils	No
WACKER TSX 2020	Wacker	Unknown	Inhalation of aerosol spray may damage health	Colourless fluid-emulsion	not applicable	not applicable	Prevent material from entering surface waters, drains, sewers or soil. Not specifically hazardous to environment	L5 Lotion tank	Yes		Low - securely stored on site. No hazardous properties, no specific risk to groundwater or soils	No
Zenix DZ7995	Solenis	Unknown	Serious eye damage	Light yellow liquid	Completly soluble	Completly soluble	Prevent product from entering drains. If product contaminates rivers or lakes contact respective authorities	Waste Oil Tank	Yes		Low/moderate - securely stored on site. Causes severe skin damage.	Yes
SPECTRUS NX1102	GE Power	0.5	Acute toxicity, skin corrosion/irritation. Serious eye damage/irritation. Category 3 narcotic effects	Colourless, yellow, amber liquid	100% soluble in water	100% soluble in water	Prevent from enterings sewers of immediate environment. Harmful to aquatic life with long lasting effects	PM3's Chemical Kitchen	Yes		Low/moderate - securely stored on site. Causes severe skin burns and eye damage. . Harmful to aquatic organisms with long term effects. Low quantity used	Yes

Chemical	Make	Quantity used on site annually (tonnes)	Chemical characteristics	Physical state	Solubility	Mobility	Environmental advice	Site Location	Relevant Hazardous Substance	Details of existing pollutant prevention measures for each chemical	Soil and Ground-water Pollution Potential	Actual Pollution Risk?
SPECTRUS NX1422	GE Power	0.5	Skin corrosion/irritation/serious eye damage/irritation	Colourless to yellow liquid	100% soluble in water	100% soluble in water	Acute aquatic hazard, very toxic to aquatic environment with long lasting effects	PM3's Chemical Kitchen	Yes		Low/moderate - securely stored on site. Causes severe skin burns and eye damage. . . Harmful to aquatic organisms with long term effects. Low quantity used	Yes
Sodium Hydroxide ADJ5150	Optisperse	1000L IBC estimated fully banded	Alkalinity builder. Corrosive to metal, harmful if swallowed, causes severe skin burns and eye damage, may cause respiratory irritation	Colourless to light yellow liquid	Soluble	Mobile- liquid	Not classified as environmentally hazardous but large spills could cause harmful effect to the environment. Collect and reclaim or dispose in sealed containers at licenced disposal site.	Boiler House	Yes	Fully banded. Storage within IBCs on hardstanding.	Low - proposed to be securely stored on site in very low volumes	No
OS5301	Cortrol	1000L IBC estimated fully banded	Oxygen scavenger. Flammable liquid and vapour. Causes skin irritation, may cause allergic skin reaction and respiratory irritation, causes serious eye irritation. Suspected of causing genetic defects suspected of causing cancer.	Colourless to light brown liquid	Soluble	Mobile - liquid	Avoid discharge into drains, watercourses or the ground. Accidental release of large quantities to the aquatic environment may harm aquatic organisms. Collect and reclaim or dispose in sealed containers at licenced disposal site.	Boiler House	Yes	Fully banded. Storage within IBCs on hardstanding.	Low - proposed to be securely stored on site in very low volumes	No
Sodium Hydroxide AP26	Solus	Pressure fill tank within secondary containment within the boiler house	Boiler scale inhibitor. May be corrosive to metals, causes severe burns and eye damage	Yellow liquid	Soluble	Mobile - liquid	Avoid discharge into drains, water courses or onto the ground. Not classified as environmentally hazardous but large spills could cause harmful effect to the environment. Collect and reclaim or dispose in sealed containers at licenced disposal site.	Boiler House	Yes	Pressure fill tank within secondary containment within the boiler house	Low - proposed to be securely stored on site in very low volumes	No
NA0880	Steamate	1000L IBC estimated	Condensate treatment. Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage	Colourless to light yellow liquid	Soluble	Mobile - liquid	Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.	Boiler House	Yes	Fully banded. Storage within IBCs on hardstanding.	Low - proposed to be securely stored on site in very low volumes	No
Diesel	WCF Fuels	Unknown	Material can release vapours which readily form flammable mixtures. May cause lung damage if swallowed. Toxic to aquatic organisms, may cause long term adverse effects in the environment.	Light coloured liquid	Negligible in water	Mobile- liquid	Stop leak if without risk. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with noncombustible, absorbed material	North and south gate	Yes		Low moderate - securely stored on site. Harmful in contact with skin or eyes.	Yes
Petrol	n/a	small- transient storage of vehicles only	extremely flammable, may cause cancer, heritable genetic damage, possible risk of harm to unborn child, may cause lung damage if swallowed, irritating to skin, vapours may cause drowsiness and dizziness. Toxic to aquatic organisms, may cause long term adverse effects in the environment	Light yellow to yellow liquid	Negligible in water	Mobile- liquid	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities	Car park	Yes		Low -stored on site (within vehicle fuel tanks). Toxic to aquatic organisms, may cause long term adverse effects in the environment. Low quantities onsite- cars	No
Lubricant oil	n/a	bulk storage	May be harmful if swallowed, may irritate eyes and skin	Amber liquid	Insoluble	Mobile-liquid	Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal	Various	Yes		Low moderate- stored on site. May be harmful if swallowed, and irritate eyes/skin	Yes

Risk assessment

Based on completion of the site reconnaissance visit by RSK, discussions with site representatives, and information provided regarding the activities in each area of the site relevant to the storage of chemicals for use in the new Boiler plant (LP-BH) the proposals have been assessed in terms of their potential for risk of release of potentially polluting substances to the land. This process has reviewed potential polluting activities, potentially polluting substances, containment measures in place and possible deficiencies in these. This has been used to inform an overall assessment of potential risks of releases to land for each location, and thereby determination of areas of potential concern (APC). This assessment is shown in the Table overleaf.

RSK has, in line with the Industrial Emissions Directive 2010/75/EU, Article 22, undertaken an assessment of the hazardous substances used on the site, identified which of these substances are 'relevant hazardous substances' (RHS) and identified which of these pose an 'actual pollutant risk'. The chemicals presenting an actual pollutant risk are identified in red text.

Area	Point of Interest (POI)	Potential polluting activity	Substances used & potential contaminants of concern (RHS)	Containment measures in place	Possible deficiencies in containment measures (including any visual evidence of contamination from site reconnaissance)	Potential risk of releases to land
New Boiler Plant	Natural Gas supply pipework	Leak from underground pipework to boiler	Natural Gas	Pipeline design	None noted	Low risk
	Hydrogen supply pipework	Leak from underground pipework to boiler	Hydrogen Gas	Pipeline design	None noted	Low risk
	Water Treatment Chemicals storage and use	Leak from water treatment chemicals storage and usage	- Optisperse ADJ 5150 - Cortrol OS5301 - Solus AP26 - Steamate NA0880	- Primary storage containers - Secondary containment - Indoor location - Concrete hardstanding	None noted	Low risk

Where known incidents have been recorded these are shown in blue

RSK have, in line with the Industrial Emissions Directive 2010/75/EU, Article 22, undertaken an assessment of the hazardous substances used on the site, identified which of these substances are 'relevant hazardous substances' and identified which of these pose an 'actual pollutant risk'. The chemicals presenting an actual pollutant risk are identified in red text

Our Ref: 323668 L01(00)

Date: 10 April 2026

Nevil Hunt
Kimberly-Clark
Barrow Paper Mill
Barrow-in-Furness
Cumbria
LA14 4WZ

Dear Nevil

RE: KIMBERLY-CLARK, BARROW: SITE VISITS DURING DUNELM GROUND INVESTIGATION

1.1 INTRODUCTION

RSK was commissioned to observe the ground investigation undertaken by ground investigation contractor Dunelm Ltd. A Phase 2 ground investigation was undertaken by Dunelm (12 to 15 January 2026) in support of the construction of the Planning process for a new natural gas / hydrogen boiler and hydrogen pipeline.

This work included the drilling of four boreholes near to the proposed development which will include a proposed buried hydrogen pipeline. The upgraded boilers will be placed within the current boiler house building. This will require a variation to the permit.

The collection of soil data as part of this work will provide an opportunity to collect additional soil data relating to the site which can be used to define site condition prior to construction and can be used as a reference against which future site condition in this area can be compared.

RSK did not undertake soil sampling directly as part of this work, but in order to provide additional quality assurances to Kimberly Clark that the work had been undertaken to a suitable standard and that the data was reliable we recommended that we undertake limited observations through a visiting role. Following the investigation, we also were party to the sample scheduling and requested additional testing be undertaken to further enhance this additional baseline data set.

1.2 GENERAL FINDINGS

RSK visited the site on 13 and 14 January 2026. Works were suspended on 13 January before the start of intrusive works owing to a power cut. Brief information on the activities and general ground conditions being encountered are recorded in our site diaries for each date the site was visited.



We also prepared borehole logs for boreholes that were observed by RSK (BH02 and BH04). These are also attached. The ground conditions recorded by Dunelm match those that our engineer logged on site.

Overall, we observed the work undertaken by Dunelm engineers and we found the work to be of good quality and practices followed were similar to our own. Ground conditions encountered generally comprised an initial topsoil cover over clayey made ground or gravel of granite, with firm to stiff sandy clay below proven to a depth of 8.45m below ground level (bgl).

Sample collection and laboratory dispatch practices undertaken would be expected to provide representative soil data and preserve the integrity of samples in transit.

1.3 SUMMARY

RSK observed Dunelm's ground investigation works at Barrow in January 2026 and found methods and sampling practices to be of good quality, with ground conditions comprising topsoil over made ground and firm to stiff clay to at least 8.25m. Although RSK did not take samples directly, our oversight and input to additional testing provide confidence that the resulting baseline soil data is reliable for permitting and future comparison.

Kind regards

A handwritten signature in black ink that reads "Michael Owens".

Mike Owens
Director

Dr. Tom Henman
Director

Enclosed : Borehole logs for BH04 and BH02
 Site diary records for 13 and 14 January 2026



----- Site Daily Diary -----

App Information	How to use this app!
Date	13/01/2026
Project number lookup	323668
Project Name	Kimberly-Clark, Barrow
Office	Helsby
Project Manager	
 Mike Owens	
Project Manager free entry	Richard Newberry
Project Manager Email	
Additional Recipient	
Additional Recipient Email	
Project Number	323668
Site	Barrow
Site Location	54° 8' 33.919" N 3° 13' 34.475" W
Type of Activity	☒ Site Walkover ☐ Remediation ☐ SI ☐ Earthworks ☐ In Situ Testing ☐ Other
Include Plant / Materials Logging Page?	☐
General Site Notes	Arrived on site at 8am. Informed that site works postponed until further notice due to power cut.

----- Weather -----

Weather	☐ Heavy Rain ☐ Overcast ☐ Sunny ☐ Thunder ☒ Rain ☐ Cloudy ☐ Fog ☐ Hail ☐ Drizzle ☐ Sunny Spells ☐ Snow ☐ Windy
Weather Notes	Heavy rain upon arrival
Site Conditions	Unable to access site due to power cut. Told to leave site and await further instruction.

----- Personnel -----

Site Engineer	Richard Newberry
Site Engineer Arrival Time	07:58
Site Engineer Departure Time	08:10
Other RSK Staff On Site	0 records
Contractors On Site	0 records

Visitors On Site 0 records

Number of People On Site 0

----- Activities -----

Key Activities 1 record

Activity	Completed?
Check-in at site for induction.	☐ Yes

Issues & Actions 1 record

Issue	Action	Resolved?
Power cut	Unable to complete induction.	☒

Delays 1 record

Description of Delay	Impact of Delay
Delay due to power cut	No works completed today

Pictures

0 records

----- Health & Safety -----

Safety Briefings Attended

Rigs & Equipment on Site

Safety Checks Completed

Calibration Checks /
Certificates

HSE Observations 0 records

----- Deviation from RAMS -----

Any Deviation From RAMS (X) No
() Yes

----- General Comments -----

General Comments

----- Sketch -----



----- Sign Off -----

Confirmed by RSK Representative

RSK Representative Name Richard Newberry

RSK Representative Signature

No data

----- Site Daily Diary -----

App Information	How to use this app!
Date	14/01/2026
Project number lookup	323668
Project Name	Kimberly-Clark, Barrow
Office	Helsby
Project Manager	
 Mike Owens	
Project Manager free entry	
Project Manager Email	
Additional Recipient	
Additional Recipient Email	
Project Number	323668
Site	Barrow
Site Location	54° 8' 34.478" N 3° 13' 55.122" W
Type of Activity	☐ Site Walkover ☐ Remediation ☒ SI ☐ Earthworks ☐ In Situ Testing ☐ Other
Include Plant / Materials Logging Page?	☐
General Site Notes	Site operational today.

----- Weather -----

Weather	☐ Heavy Rain ☐ Overcast ☐ Sunny ☐ Thunder ☐ Rain ☒ Cloudy ☐ Fog ☐ Hail ☐ Drizzle ☒ Sunny Spells ☐ Snow ☐ Windy
Weather Notes	Sunny with light breeze. 5C
Site Conditions	Dry

----- Personnel -----

Site Engineer	Richard Newberry
Site Engineer Arrival Time	08:01
Site Engineer Departure Time	
Other RSK Staff On Site	0 records
Contractors On Site	2 records

Name	Position	Arrival Time	Departure Time	Briefings / Inductions
Cara Cooper	Site engineer	08:00		☒ Site Induction ☒ Safety Briefing ☐ Tool Box Talk ☐ COVID Test ☐ Training ☐ Other
X	Cadent Gas	08:02		☐ Site Induction ☐ Safety Briefing ☐ Tool Box Talk ☐ COVID Test ☐ Training ☐ Other

Visitors On Site	0 records
Number of People On Site	7

----- Activities -----

Key Activities	3 records
Activity	Completed?
Site Induction	☒ Yes
Site walkover/familiarisation	☒ Yes
Drilling works	☒ Yes

Issues & Actions

4 records

Issue	Action	Resolved?
Excavator arrived on site but noted to be dirty. KC rep recommended excavator taken off site for cleaning.		[X]
Excavator back on site at 10.45am. Setting up platform for window samples on slope.		[X]
Platform and rig set up on BH02		[X]
Drilling completed on BH02 and BH04.		[X]

Delays	1 record
Description of Delay	Impact of Delay
Excavator required cleaning	2 hours lost.

Pictures	4 records
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14/01/2026, 11:20



14/01/2026, 11:21



14/01/2026, 11:26



14/01/2026, 11:35

----- Health & Safety -----

Safety Briefings Attended Dunelm site induction.

Rigs & Equipment on Site	Dando 2000 CP rig
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Safety Checks Completed	Yes
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Calibration Checks / Certificates

HSE Observations	0 records
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----- Deviation from RAMS -----

Any Deviation From RAMS ☒ No
☐ Yes

----- General Comments -----

General Comments	Site induction completed. Walk round site with Dunelm engineers. Chat with KC safety rep
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----- Sketch -----

No data

----- Sign Off -----

Confirmed by RSK Representative

RSK Representative Name	Richard Newberry
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RSK Representative Signature

Prakash Nelly



Contract reference

323668

Contract name

Kimberly-Clark, Barrow

Contract location

Barrow

Client

Kimberly-Clark

Office

Helsby

Business Unit

Geosciences

Project manager

 Mike Owens

Additional Email list

No users

Window Sample Log

Date/Time

14/01/2026, 11:36

Exploratory Position ID

Exploratory Position ID	BH02
Are site conditions different to those expected?	No
Position co-ordinates	54° 8' 34.424" N 3° 13' 54.555" W
Hole Orientation	-90

Log Breakdown

1st Technique

Engineer

 Richard Newberry

Log type	Window Sample
Equipment/Rig used	Premier 110
Start Date	14/01/2026
Start Depth (m)	0.00
End Date	14/01/2026
End Depth (m)	6.45
Inspection pit dug as initial technique	No

General Remarks

General remarks

4 records

No.	General Remarks
1	Position scanned with a CAT, Genny and GPR prior to excavation.
2	Inspection pit hand dug to 1.2m
3	Groundwater not encountered.
4	Borehole terminated at 6.45m

Stratum Descriptions

Stratum descriptions

5 records

Top depth (m)	Base depth (m)	Descriptions	Stratum thickness
0.00	0.40	Grass onto soft brown slightly sandy CLAY with rootlets.	0.40
0.40	0.80	Soft brown slightly gravelly slightly sandy clay with low cobble content. Hydrocarbon odour noted from 0.6m.	0.40
0.80	2.40	Stiff dark brown slightly sandy slightly gravelly CLAY	1.60
2.40	3.00	Dark grey, slightly gravelly slightly clayey SAND.	0.60
3.00	6.45	Stiff brown slightly gravelly slightly sandy CLAY.	3.45

Detail Descriptions

Detail descriptions

2 records

Top depth (m)	Base depth (m)	Description
0.60		Cobble encountered with Hydrocarbon odour with dark staining.

Samples

No Samples Taken []

Samples

13 records

Top depth (m)	Base depth (m)	Sample reference	Sample type	Description
0.00	0.40	3	B	
0.10		1	ES	Es1
0.20		2	D	D1
0.40	0.80	6	B	B2
0.50		4	ES	ES2
0.60		5	D	D2
0.80	1.20	9	B	B3
1.00		7	ES	ES3
1.20		8	D	D3
1.20	1.40	11	B	B4
1.50		10	D	D4
2.50		12	D	D5
2.50	3.00	13	B	B5

InSitu Testing

In-Situ Testing conducted

☒ SPTs

☐ PIDs

☐ Hand penetrometers

☐ In-situ vane tests

☐ Clegg hammers

SPTs

SPT tests

4 records

Top depth (m)	Test type	1st seating drive No. of blows	2nd seating drive No. of blows	1st test drive No. of blows	2nd test drive No. of blows	3rd test drive No. of blows	4th test drive No. of blows	N-value
1.20	Split Spoon	2	3	3	3	4	4	14
2.00	Split Spoon	3	3	4	4	5	5	18
3.00	Split Spoon	3	4	4	5	5	6	20

4.00	Split Spoon	3	4	5	5	6	7	23
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Window Sampling

Window Sampling

0 records

Water Strike/Seepage

Water Strike / Seepage

0 records

Backfill

Backfill Material

1 record

Top depth (m)	Base depth (m)	Backfill type	Remarks

Pipe Installed

Pipe Installed

0 records

Photographic Log

Photographic log? () No
 (X) Yes

Photo Log

5 records

Photo number	Photo	Description of photo	Time taken
1			

2



14 Jan
2026 11:
43:27

3



Cobble at 0.6m bgl.

14 Jan
2026 11:
43:50

4



14 Jan
2026 12:
56:54

5		14 Jan 2026 15: 12:33
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Photographic Log Report

Title of Photographic Word
Document

Report File

No data

Termination Phrase

Final depth (m)

6.45

Termination phrase

Report Summary

View Summary report?

[]

Submit form

Log complete?

() No
(X) Yes



RSK GEOSCIENCES

Contract reference	323668
Contract name	Kimberly-Clark, Barrow
Contract location	Barrow
Client	Kimberly-Clark
Office	Helsby
Business Unit	Geosciences
Project manager	 Mike Owens
Additional Email list	

No users

Cable Percussion Log

Date/Time	14/01/2026, 09:43
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Exploratory Position ID

Exploratory Position ID	BH04
Are site conditions different to those expected?	No
Position co-ordinates	54° 8' 30.823" N 3° 13' 56.599" W
Hole Orientation	

Log Breakdown

1st Technique

Engineer

 Richard Newberry

Log type Cable Percussion

Equipment/Rig used Dando 2000

Start Date 12/01/2026

Start Depth (m) 0.00

End Date 14/01/2026

End Depth (m) 8.65

Inspection pit dug as initial technique Yes

General Remarks

General remarks

4 records

No.	General Remarks
1	Position scanned with a CAT, Genny and GPR prior to excavation. Additional check completed by Cadent.
2	Inspection pit hand dug to 1.2m depth.
3	Groundwater seepage at base of inspection pit.
4	Borehole terminated at 8.65 and backfilled with bentonite.

Stratum Descriptions

Stratum descriptions

6 records

Top depth (m)	Base depth (m)	Descriptions	Stratum thickness
0.00	0.15	MADE GROUND. Reinforced concrete (20mm rebar).	0.15
0.15	0.35	MADE GROUND: Brown slightly sandy gravel of limestone and granite.	0.20
0.35	0.80	MADE GROUND. Brown slighty clayey gravelly sand. Gravel is fine to coarse, angular to subrounded limestone and granite.	0.45
0.80	2.60	Soft slightly gravelly, slightly sandy CLAY.	1.80
2.60	7.00	Firm to stiff brown silty, slightly sandy CLAY.	4.40
7.00	8.65	Firm, thinly laminated brown CLAY with bands of clayey sand	1.65

Detail Descriptions

Detail descriptions
2 records

Top depth (m)	Base depth (m)	Description

Samples

No Samples Taken []

Samples
21 records

Top depth (m)	Base depth (m)	Sample reference	Sample type	Description
0.15	0.35	3	B	B1
0.20		1	ES	ES1
0.30		2	D	D1
0.35	0.80	7	B	B3
0.50		4	ES	ES2
0.60		5	D	D2
0.80	1.20	9	B	B4
1.00		6	ES	ES3
1.20		8	D	
1.20	1.65	10	D	
1.50		11	D	
1.50	2.00	12	B	
2.50		12	D	
2.50	3.00	13	B	
3.00	3.45	14	D	
3.50		15	D	
3.50	4.00	16	B	
4.00	4.45	16	D	
4.50		17	D	
4.50	5.00	18	D	
5.00	5.45	19	D	

InSitu Testing

In-Situ Testing conducted

☒ SPTs

☐ PIDs

☐ Hand penetrometers

☐ In-situ vane tests

☐ Clegg hammers

SPTs

SPT tests

8 records

Top depth (m)	Test type	1st seating drive No. of blows	2nd seating drive No. of blows	1st test drive No. of blows	2nd test drive No. of blows	3rd test drive No. of blows	4th test drive No. of blows	N-value
1.20	Split Spoon	2	1	1	1	2	3	7
2.20	Split Spoon	1	0	1	0	0	0	1
3.20	Split Spoon	1	1	2	2	3	4	11
4.20	Split Spoon	1	2	2	3	4	5	14
5.20	Split Spoon	2	2	2	3	5	4	14
6.20	Split Spoon	1	1	1	1	3	5	10
7.20	Split Spoon	1	2	2	3	5	4	14
8.20	Split Spoon	3	3	3	5	5	6	19

Water Strike/Seepage

Water Strike / Seepage

1 record

Depth of strike / seepage (m)	Type
1.20	Water Seepage

Backfill

Backfill Material

2 records

Top depth (m)	Base depth (m)	Backfill type	Remarks
0.00	8.65	Bentonite	

Pipe Installed

Pipe Installed

0 records

Photographic Log

Photographic log? ☐ No
☒ Yes

Photo Log

4 records

Photo number	Photo	Description of photo	Time taken
1			
2		Concrete core with 20mm rebar	14 Jan 2026 11: 07:40
3		Made ground with limestone gravel and cobbles	14 Jan 2026 11: 08:48

4



Shallow natural soils from 1m bgl.

14 Jan
2026 11:
09:37

Photographic Log Report

Title of Photographic Word
Document

Report File

No data

Termination Phrase

Final depth (m)

8.65

Termination phrase

Terminated at target depth.

Termination date

14/01/2026, 09:43

Report Summary

View Summary report?

[]

Submit form

Log complete?

() No
(X) Yes