

# AWS Conformity assessment

Report for:

Coca Cola HBC Northern Ireland Limited

<b>LR reference:</b>	PIR00000601/ 4494868
<b>AWS reference number:</b>	AWS-000320
<b>Assessment dates:</b>	23-25/6/2021
<b>Assessment location:</b>	12 Lissue Road, Co. Antrim, Knockmore Hill BT28 2SZ, Northern Ireland
<b>Assessment criteria:</b>	AWS Standard Version 2, 22/03/2019
<b>Assessment team:</b>	Artemis Papadopoulou
<b>Assessment type:</b>	Initial assessment
<b>Single site/ Multi-site/ Group site:</b>	Single
<b>LR office:</b>	Piraeus

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Attachments

This report was prepared by:		This report was presented to and accepted by:	
Name:	Artemis Papadopoulou	Name:	Charles Osborne
Job title:	AWS Lead Auditor	Job title:	Safety Environment Loss Prevention Manager

## 1. Executive report

### Assessment outcome & AWS certification level:

Choose from one of the following options:

- 1) Recommendation for issuance of the certificate
- 2) ~~Recommendation for continuation of the certificate~~

Choose from one of the following options:

- 1) ~~AWS Core~~
- 2) AWS Gold (65 points)
- 3) ~~AWS Platinum Certified~~

### Areas of weaknesses/ opportunities for improvement:

- The company is advised to find additional information about the catchment (e.g. regarding the water balance of Lough Neagh, info about its IWRA, etc.).
- The Water map doesn't cover all water streams.

### Re-evaluation of AWS certification level (if applicable):

Choose from one of the following options:

- 1) ~~recommendation for an 'upgrade' in certification level~~
- 2) ~~recommendation for a 'downgrade' in certification level~~

## 2. Introduction

### **AWS responsible person:**

Charles Osborne, Safety Environment Loss Prevention Manager

### **AWS responsible person contact details:**

[Charles.osborne@cchellenic.com](mailto:Charles.osborne@cchellenic.com), +442892642000/2073

### **Scope of the assessment (including all locations & facilities visited):**

#### **CCH Northern Ireland plant (no site visit, due to COVID-19 restriction measures)**

NOTE: The site has been visited in previous occasions, in the framework of EWS assessment. The company's wells have been visited during these audits.

### **Description of the catchment:**

The River Lagan (from Irish Abhainn an Lagáin, meaning 'river of the low-lying district'; Ulster Scots: Lagan Wattèr) is a major river in Northern Ireland which runs 53.5 miles (86 km) from the Slieve Croob mountain in County Down to Belfast where it enters Belfast Lough, an inlet of the Irish Sea. The River Lagan forms much of the border between County Antrim and County Down in the east of Ulster. It rises as a tiny, fast-moving stream near to the summit of Slieve Croob; Transmitter Road runs nearby. From here it continues on its journey to Belfast through Dromara, Donaghcloney and Dromore. On the lower slopes of the mountain, it is joined by another branch from Legananny (Cratlieve) Mountain, just opposite Slieve Croob. At Dromara, about four miles from its source, its height above the sea is 390 ft (119m). As the river continues on its journey to Belfast, it turns east to Magheralin into a broad plain between the plateaus of Antrim and Down.

The river drains approximately 609 square km of agricultural land and flows over 70 km from the Mourne Mountains to the Stranmillis Weir, from which point on it is estuarine. The catchment consists mainly of enriched agricultural grassland in the upper parts, with a lower section draining urban Belfast and Lisburn. There is one significant tributary, the Ravernet River, and there are several minor tributaries, including the Carryduff River, the River Farset and the Blackstaff River. Water quality is generally fair, though there are localized problems and occasional pollution incidents, mainly due to effluent from farms. Work is proceeding to restore a self-sustaining population of Atlantic salmon to the river.

There are two main aquifers within the catchment area:

1. The Sherwood Sandstone aquifer:
2. The Carnamuck Sandstone aquifer:

The Sherwood Sandstone has long history of sustaining large abstractions. Flow is predominantly inter-granular with some fracture flow along zones of enhanced permeability created by faulting. The Sherwood Sandstone aquifer is naturally protected by overlying clay layers found in most part of the catchment.

The Carnamuck aquifer underlies the Sherwood Sandstone. Previous studies carried out around the Lambeg and Knockmore Hill area indicated that the Sherwood Sandstone and Carnamuck Sandstone are not in direct hydraulic continuity as they are believed to be separated by a 40 m thick impermeable layer, the Connswater Marl formation, thereby creating confining conditions and natural protection over the underlying Carnamuck Aquifer.

It is noted that the geology of this area is complicated by the occurrence of significant faulting and the formation of dykes and zones of enhanced permeability running along these fracture zones in a general NW-SE orientation. The implication is that recharge to the boreholes may occur from outside of the geographical catchment and may be difficult to define accurately.

### Summary of shared water challenges:

- Opportunities to work along with other stakeholders for fencing off river via applying for water quality grant
- Improvement of water quality (high phosphate and nitrate concentrations)
- Mitigation of agricultural run-offs
- Pollution from industries
- Litter pollution of local waterways

### General information about the site's operations:

- The plant started its operations in 2007 (in Northern Ireland)
- 2 shift-pattern (8 h and 12 h shift), 211 employees in manufacturing
- Products: SSD, still water


- 8 production lines: 3xPET, 2 Can lines, 1 NRGB line, 1 BIB, 1 Arca bulk container
- An extension of Syrup room for the production of Monster was completed in 2020

- The plant is located in the River Lagan Basin
- The plant owns a WWTP, which is operated by the ECES contractor. Wastewater is discharged afterwards to the municipal WWTP
- Municipal water is used for sanitary purposes, in the canteen, for the sprinkler system, for lorry wash and at the fire hydrants.

### Audit attendees:

Name	Job title	Company
Charles Osborne	Safety Environment Loss Prevention Manager	CCH N Ireland-Knockmore Hill plant
Matthew Isaac	Director ECES	ECES Ltd
David Junk	Country QSE Manager	CCH N Ireland

### 3. AWS Standard Requirements Checklist - Detailed

Criterion #	Indicator #	Conformance (YES/NO)	Level of non conformance (OBS, Minor, Major)	Audit trails/ objective evidence	Scoring (delete if NA)
<b>STEP 1 GATHER &amp; UNDERSTAND</b>					
<b>1.1 Gather information to define the site's physical scope for water stewardship purposes, including: its operational boundaries; the water sources from which the site draws; the locations to which the site returns its discharges; and the catchment(s) that the site affect(s) and upon which it is reliant.</b>	1.1.1 The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including: - Site boundaries; - Water-related infrastructure, including piping network, owned or managed by the site or its parent organization; - Any water sources providing water to the site that are owned or managed by the site or its parent organization; - Water service provider (if applicable) and its ultimate water source; - Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies; - Catchment(s) that the site affect(s) and is reliant upon for water	YES		 <ul style="list-style-type: none"> <li>- The plant is located in the River Lagan Basin</li> <li>- The plant owns a WWTP, which is operated by the ECES contractor. Wastewater is discharged afterwards to the municipal WWTP (in the same catchment)</li> <li>- Municipal water is used for sanitary purposes, in the canteen, for the sprinklers, the lorry wash and for the fire hydrants (7.5% of total water use). One of the Lambeg boreholes is dedicated for the production of still water. <ul style="list-style-type: none"> <li>▪ Drainage map of the plant (October 2017)-storm water drains, process and sanitary wastewater</li> <li>▪ WWTP process overview v1</li> <li>▪ Map with the boreholes and the pipeline system</li> <li>▪ NIW report with municipal supply zone (Drumaroad Lisburn reservoir provides with water the plant and is part of Lisburn and Castlereagh city area)</li> <li>▪ Catchment maps: <b>River Lagan Basin</b> (3 sub-catchments: plant's boreholes and WWTP discharge) and <b>Lough Neagh Basin</b> (municipal supply)</li> </ul> </li> </ul>	
<b>1.2 Understand relevant stakeholders, their waterrelated</b>	1.2.1 Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified.	YES		<ul style="list-style-type: none"> <li>▪ AWS stakeholders (6 categories of stakeholders: <i>regulatory bodies, commercial, community, NGO's, internal, suppliers and contractors, catchment area,</i></li> </ul>	

<p><b>challenges, and the site's ability to influence beyond its boundaries.</b></p>	<p>This process shall:</p> <ul style="list-style-type: none"> <li>- Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people;</li> <li>- Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies;</li> <li>- Provide evidence of stakeholder consultation on water-related interests and challenges;</li> <li>- Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups;</li> <li>- Identify the degree of stakeholder engagement based on their level of interest and influence.</li> </ul>			<p>current and potential level of influence and interest, response to survey)</p> <ul style="list-style-type: none"> <li>o Communication by NI Water about the EU transition: communication to trade effluent customers re chemicals and treatment (22.10.2020)→ a risk has been identified regarding wastewater treatment works non-compliance through shock loading to the WWTP if there is failure of adequate pre-treatment of effluent, according to requirements.</li> <li>o Virtual water stewardship event on 24/4/2021 (30 stakeholders were invited) <ul style="list-style-type: none"> <li>▪ Presentation of the event (mission 2025 sustainability commitments, achievements for environment and community, water journey, data for water consumption/recycling/ treatment, WUR and targets, key measures, EWS certification and actions for achieving AWS certification, legal compliance, water risks&amp; challenges, summary of policies/ plans and targets for 2021, contact persons)</li> <li>▪ Presentation of the NIEA -risks in the catchment were presented e.g. water quality (nitrates)</li> <li>▪ Replied questionnaires from NIEA, ECES LM contractor and Lagan river Trust (water challenges, proposed actions for shared water challenges positive feedback regarding company's management system)</li> </ul> </li> </ul>	
	<p>1.2.2 Current and potential degree of influence between site and stakeholder shall be identified, within the catchment and considering the site's ultimate water source and ultimate receiving water body for wastewater.</p>	<p>YES</p>		<p>See above.</p>	
<p><b>1.3 Gather water-related data for the site, including: water balance; water</b></p>	<p>1.3.1 Existing water-related incident response plans shall be identified.</p>	<p>YES</p>		<ul style="list-style-type: none"> <li>▪ Hazardous spill event (actions for mitigation of oil and chemical spills, gas leak, etc. emergency phones)-last annual review: 4.5.2018</li> </ul>	

<p><b>quality, Important Water-Related Areas, water governance, WASH; water-related costs, revenues, and shared value creation.</b></p>				<ul style="list-style-type: none"> <li>▪ IMCR workbook (last validation by Group and TCCC in country level: 4.3.2020)-earthquake, fire, flooding, break-down of the WWTP</li> <li>▪ Flood control-monitoring and reporting procedure</li> <li>▪ Emergency response plan spills are available to employees</li> <li>▪ 1 emergency drill for fire on 24-25.11.2020</li> </ul> <p>A culvert has been constructed for the mitigation of the impacts of a future flood. Daily Monitoring of the culvert is conducted via the CCTV by the Security officers.</p> <p>An emergency response team has been assigned for the mitigation of emergencies.</p>	
	<p>1.3.2 Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped</p>	<p>YES</p>	<p>OBS 0621APP01</p>	<ul style="list-style-type: none"> <li>▪ Water map and data_2021 (monthly incoming water from municipal and wells, total extracted from all wells, total water consumption, water used in production, estimated water used in: the boilers, the pasteuriser, the CIP, the ion-exchanger, the CF and SF, the rinsers, the conveyors and the utilities, recycled water, effluent quantity, water from wells' sanitation)-percentage of water used per source.</li> <li>▪ 2021 environmental worksheet (total consumption, mains water, recovered water, effluent water, e.tc.)</li> </ul>	
	<p>1.3.3 Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, shall be quantified. Where there is a water-related challenge that would be a threat to good water balance for people or environment, an indication of annual high and low variances shall be quantified.</p>	<p>YES</p>		<p>See above.</p>	
	<p>1.3.4 Water quality of the site's water source(s), provided waters, effluent and receiving water bodies shall be quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate,</p>	<p>YES</p>		<p>A sample of water from the Lissue stream was sent on 26/11/2020 and on 1/6/2021 to the McQuillan Environmental lab-analysis of parameters: BOD, COD, pH, TSS, visible oil/ grease (no issues)</p> <ul style="list-style-type: none"> <li>▪ Weekly internal analysis of the stream and twice per year from external lab</li> </ul>	



	<p>seasonal, high and low variances shall be quantified.</p>			<p>The plant has to send in an annual basis their analysis to the NIEA (last report: 12.2.2021).</p> <ul style="list-style-type: none"> <li>▪ Monthly analysis by McQuillan lab for the effluent (last one: 1/6/2021)</li> <li>▪ McQuillan Environmental lab, 1.6/2021 for lagoon out: BOD, COD, pH, TSS, visible oil and grease and effluent (monthly analysis)-new parameters have been included</li> <li>▪ Parameters checked in the storm water (COD, pH, TSS, visible oil/ grease) and in the effluent (COD, pH, flow, Temperature, TSS, total heavy metals, sulphide, surfactants, oil/ grease)</li> <li>▪ Consent for a Wastewater Treatment Works Discharge by the Department of Agriculture, Environment &amp; Rural affairs (1/1/2018)-obligation of the sewerage undertaker to monitor certain parameters according to WFD</li> <li>▪ E-mail by NIW about the compliance of municipal effluent to the requirements of the consent in 2019 (11/2020).</li> <li>▪ Information from the RBM Team about the quality status of the river Lagan)-2015 data: biological status- moderate, physicochemical-moderate to high, priority and other pollutants- good to high (only one fail: fluoranthene)</li> </ul> <p>The Water Authorities (NIW) take a sample of the effluent per month and they issue quarterly and annual reports that submit to the plant e.g. in February 2021 (one exceedance in the hexane extractable material, HEM)-the company sent for analysis in external lab the same sample on 14/4/2021 and the results were within limits</p> <p>The effluent is discharged to the municipal WWTP. Final destination of the effluent: River Lagan</p> <ul style="list-style-type: none"> <li>▪ New Holland Municipal Treatment works, August</li> </ul>	
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				<p>2019 (audit by ECES)- information about quality and quantity of discharged water from the municipal WWTP (New Holland), discharge consent</p> <ul style="list-style-type: none"> <li>▪ Once per year sample from the boreholes is taken by the Authorities (e.g. NIEA results on 13/3/2020 for Lamberg borehole)</li> <li>▪ Analysis by Eurofins</li> <li>▪ Private water supplies sample history by NIEA</li> <li>▪ Annual report of drinking water in Lisburn and Castlereagh city council 2019 (% of compliance by chemical parameter e.g. pesticides, iron, manganese, taste, lead, nickel e.tc.)</li> <li>▪ NIW website/ Quality of Mains water (castor Bay Lurgan)-average values of parameters in 2020</li> <li>▪ Annual full physico-chemical and micro analysis from Fresenius Lab e.g. for Knockmore Hill (KMH1) and Lambeg borehole-gate House (MSP3), sample date: 9/12/2020</li> <li>▪ Water treatment log (daily monitoring of incoming water to the plant from the boreholes)</li> </ul>	
	<p>1.3.5 Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site</p>	<p>YES</p>		<ul style="list-style-type: none"> <li>▪ MSDS master Sheet 2018 (product name, MSDS, supplier, H-phrase, priority substances, main pollutants, other pollutants according to local and national legislation, disposal route, impact to WWTP, use)</li> <li>▪ SOP-HMS 001 New chemical substance approval &amp; COSHH Assessment procedure, last update: 23.8.2019</li> </ul> <p>The procedure contains information about the evaluation of a new chemical according to WFD requirements.</p> <ul style="list-style-type: none"> <li>▪ Drainage map (final destination of storm water drainage system-culvert)</li> </ul>	

				<ul style="list-style-type: none"> <li>▪ Service enquiry information (final destination of process wastewater)</li> <li>▪ Environmental aspect Register (18/6/2021)-type of pollution and potential final destination is described</li> </ul> <p>The storm water goes to 4 lagoons, appropriately designed (bottom covered with membrane, existence of aeration pipes at strategic points), and then flows to the nearby Lissue stream.</p> <ul style="list-style-type: none"> <li>▪ Emergency isolation points (map with the areas where chemicals or other hazardous materials are stored)</li> <li>▪ Knockmore Hill Potential pollution points list (pollution point, potential pollutant, quantity stored)</li> </ul>	
	1.3.6 On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.	YES		No on-site IWRA.	
	1.3.7 Annual water-related costs, revenues, and a description or quantification of the social, cultural, environmental, or economic water-related value generated by the site shall be identified and used to inform the evaluation of the plan in 4.1.2.	YES		<ul style="list-style-type: none"> <li>▪ Water and energy Capex Opex projects 2019 (ionised air rinsing, TCW, payback, estimated annual water saving: 5280 m<sup>3</sup>, rinser water recovery from PET rinser, actual water saving: 9600 m<sup>3</sup>)</li> <li>▪ Capex project, 15/5/2019 (canning line-ionised air rinsing, current situation, proposal and justification, estimation of water saving: 6678 m<sup>3</sup> with 59,968 pounds/ annum based on True cost of water data, reduction of wastewater quantity and cost, areas to be improved (cost reduction, revenue growth, strategic, compliance/ regulatory)-completed in Q1 2020</li> <li>▪ Ecolab 3DT (monitoring of CIP process-minimization of water use)</li> <li>▪ True cost of water 2020 (1.16 euros per m<sup>3</sup>)</li> </ul> <p>In OPEX, future expenses for best practices, water and wastewater analysis, training, sustainability activities, etc. are included.</p> <p>No CAPEX projects for 2020-2021 due to the COVID-</p>	

				29 pandemic.	
	1.3.8 Levels of access and adequacy of WASH at the site shall be identified.	YES		<ul style="list-style-type: none"> <li>▪ RD ENV 5.3 WASH on site Knockmore Hill (responsibilities, process, access to safe water, adequate sanitation, hygiene and education)</li> <li>▪ List of toilets and wash facilities (for women, men and disabled people)</li> <li>▪ Map of the plant with the location of canteen, toilets, sinks and showers</li> <li>○ Provision of bottled water in the canteen</li> </ul>	
<b>1.4 Gather data on the site's indirect water use, including: its primary inputs; the water use embedded in the production of those primary inputs the status of the waters at the origin of the inputs (where they can be identified); and water used in out-sourced water-related services.</b>	1.4.1 The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.	YES		<ul style="list-style-type: none"> <li>▪ 2020 Water risk assessment for Suppliers (name of supplier, country, river basin, Basin risk, operational risk, water withdrawals, water consumption, e.tc.)</li> <li>▪ SkyDOXX Group QSE/ Annual Environmental reports/ Global WT summary (water footprint and embedded water of main suppliers: sugar, packaging, energy)</li> <li>▪ Questionnaire from local suppliers/ outsourced services: CCH plant (concentrates), laundry ELIS and NIW (info about certifications, water risk area, water consumption and footprint was provided from the first 2. No response yet from NIW).</li> </ul> <p>The embedded water of the concentrates has been calculated. Not available data yet for the laundry. The plant will try to collect the amount of washed uniforms per year so as to be able to calculate the respective embedded water.</p>	
	1.4.2 The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.	YES		See above.	
	<b>1.4.3 Advanced Indicator</b> The embedded water use of primary inputs in catchment(s) of origin shall be quantified	YES		See indicator 1.4.1.	7
<b>1.5 Gather water-related data for the</b>	1.5.1 Water governance initiatives shall be identified, including catchment plan(s), water-	YES		<ul style="list-style-type: none"> <li>▪ RBMP (2015-2021): initiatives for water governance</li> </ul>	

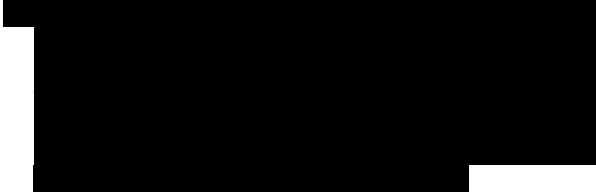
<p><b>catchment, including: water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH</b></p>	<p>related public policies, major publicly-led initiatives under way, and relevant goals to help inform site of possible opportunities for water stewardship collective action.</p>			<ul style="list-style-type: none"> <li>▪ NIW infrastructure projects</li> </ul>	
	<p>1.5.2 Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights.</p>	<p>YES</p>		<ul style="list-style-type: none"> <li>▪ Prosperity agreement with the NIEA (3 years-validity)-includes an action plan for water minimization (2021 target: 1.49 lt/lt)</li> <li>▪ CCHBC draft action plan (CIP optimization, review of backwash process, etc.)</li> <li>▪ Licences according to the water abstraction and impoundment (licensing) regulations 2006</li> <li>▪ Licence for water abstraction by the NIEA for Lambeg 1 and 2, 29/2/2016 (maximum daily abstracted quantity from both wells: 2.500 m<sup>3</sup>, maximum annual abstracted quantity: 550.000 m<sup>3</sup>)-indefinite validity</li> <li>▪ Licence for water abstraction by the NIEA for Knockmore, Lagan bridge, Moira Road (inactive), Bog Road (inactive) boreholes, 4/42012 (maximum permitted daily quantity from Knockmore well: 1200 m<sup>3</sup>, maximum permitted daily quantity from Lagan Bridge well: 1200 m<sup>3</sup> maximum annual abstracted quantity: 438.000 m<sup>3</sup> per well)-indefinite validity</li> <li>▪ Pollution prevention and control regulations permit no P287/ 08A, 7/8/2008-indefinite validity (limits for the effluent's parameters, maximum flow: 1200 lt/min, limits for the storm water's parameters</li> </ul> <p>The plant is obliged to conduct a water efficiency audit every 3 years, according to the IPPC permit (the last one was conducted in October 2010 by Zentith International). Updated information has been submitted</p>	

				<p>to the N.I Environment Agency on 1/3/2019.</p> <ul style="list-style-type: none"> <li>▪ RD ENV 1.1. Environmental Legal Register and other requirements (title, summary &amp; relevance, comments, internal audit), last update: 20.10.2020-mention of existing permits as well</li> <li>▪ Access to NIEA Register for new legislation (NETREGS)</li> <li>▪ Updates from Netregs e.g. on 11.5.2018- amendment of environmental regulation act (NIO 2016 about water and sewage services order 2006) e.g. on 9.5.2019 regarding the CRC energy efficiency scheme and the amendment of Radioactive substances act 1993. The last update was on 20.10.2020 about a law for the streamlined energy and carbon reporting.</li> </ul> <p>The HSE Loss Prevention Manager is responsible for the process.</p>	
	1.5.3 The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.	YES	Minor NC 0621APP01	<ul style="list-style-type: none"> <li>▪ RBMP (2015-2021)</li> <li>▪ E-mail by NIEA on 23/3/2021 (the water balance of river Lagan basin is in good status)</li> <li>▪ Groundwater classification methodology for the water balance</li> </ul>	
	1.5.4 Water quality, including physical, chemical, and biological status, of the catchment shall be identified, and where possible, quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be identified.	YES		<p>Stream Lissue (destination of storm water) flows eventually into the river Lagan which feeds into the Belfast Lough.</p> <ul style="list-style-type: none"> <li>▪ A sample of water from the stream Lissue was sent on 26.11.2020 and on 1.6.2021 to the McQuillan Environmental lab-analysis of parameters: BOD, COD, pH, TSS, oil/ grease (no issues).</li> <li>▪ Information from the RBM Team about the quality status of the river Lagan)-2015 data: biological status- moderate, physicochemical-moderate to high, priority and other pollutants- good to high (only one fail: fluoranthene)</li> </ul>	

				<p>According to NIEA, River Lagan (destination of municipal effluent) is considered as SA (eutrophic).</p> <ul style="list-style-type: none"> <li>▪ RBMP (2015-2021): Information about the water quality status of surface and underground water</li> <li>▪ NIEA catchment data map viewer (In 2018, ecological and physicochemical status of river Lagan: moderate)</li> <li>▪ WFD Lough Neagh ecological potential: moderate</li> </ul>	
	<p>1.5.5 Important Water-Related Areas shall be identified, and where appropriate, mapped, and their status assessed including any threats to people or the natural environment, using scientific information and through stakeholder engagement.</p>	YES	Minor NC 0621APP02	<ul style="list-style-type: none"> <li>▪ EWS_AWS-SVA-SWPP Lisburn final by HPC (overview map with the HCV areas around the plant, the municipal WWTP and the sources, evaluation of the ecological impact)</li> <li>▪ HCA SPA information Lough (geographical location, ecological information about flora and fauna, protected areas like drinking water, bathing waters, SAC, SPA, water-related ecosystem services according to TEEB classification, no impact on water status or on the social and cultural values of the HCV areas)</li> </ul> <p>Identified IWRA: Belfast Lough, Lough Neagh</p> <ul style="list-style-type: none"> <li>▪ Belfast Lough quality map (NIEA catchment viewer)</li> <li>▪ WFD Lough Neagh ecological potential: moderate</li> </ul>	
	<p>1.5.6 Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.</p>	YES		<ul style="list-style-type: none"> <li>▪ Website of NIW/ Major infrastructure investments e.g. sewage rehabilitation programme</li> <li>▪ Website of NIW/ Infrastructure/ (description of facility, water network, improvements, projects in place, strategic risks, etc.)</li> <li>▪ Map of NIW municipal sewage system</li> </ul>	
	<p>1.5.7 The adequacy of available WASH services within the catchment shall be identified.</p>	YES	OBS 0621APP02	<ul style="list-style-type: none"> <li>▪ Letter by NIW on 24/3/2021 (no quality issues with the potable water)</li> </ul> <p>See also above.</p>	


	<p><b>1.5.8 Advanced Indicator</b> Efforts by the site to support and undertake catchment level water-related data collection shall be identified.</p>	YES		<p>Support of NIEA to the groundwater network monitoring by providing data from the analysis of the water in the boreholes</p> <ul style="list-style-type: none"> <li>▪ E-mail to NIEA on 16.2.2021 for provision of data</li> <li>▪ A sample of water from the stream Lissue was sent on 26.11.2020 and on 1.6.2021 to the McQuillan Environmental lab-analysis of parameters: BOD, COD, pH, TSS, oil/ grease (no issues).</li> </ul>	6
	<p><b>1.5.9 Advanced Indicator</b> The adequacy of WASH provision within the catchments of origin of primary inputs shall be identified.</p>	NO		---	
<p><b>1.6 Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site's water challenges.</b></p>	<p>1.6.1 Shared water challenges shall be identified and prioritized from the information gathered.</p>	YES		<ul style="list-style-type: none"> <li>▪ (List of prioritized shared water challenges)</li> </ul> <p>Identified shared water challenges from the Water Stewardship event and the questionnaires replied by stakeholders:</p> <ul style="list-style-type: none"> <li>-opportunities to work along with other stakeholders for fencing off river via applying for water quality grant</li> <li>-Improvement of water quality (high phosphate and nitrate concentrations)</li> <li>-Mitigation of agricultural run-offs</li> <li>-Pollution from industries</li> <li>-Litter pollution of local waterways</li> </ul> <p>See also indicator 1.2.1.</p>	
	<p>1.6.2 Initiatives to address shared water challenges shall be identified.</p>	YES		<ul style="list-style-type: none"> <li>▪ AWS stakeholders review (List of prioritized shared water challenges)</li> </ul> <p>Proposed actions from the Water Stewardship event and the survey:</p> <ul style="list-style-type: none"> <li>-Underground water monitoring</li> <li>-Funds/ AWS stakeholders review volunteer works:</li> </ul>	



				<p>planting of trees, cleaning of rivers, etc.</p> <ul style="list-style-type: none"> <li>▪ Website of Department of Agriculture, Environment and Rural Affairs (DAERA)- environmental grants</li> <li>▪ Action plan from prosperity agreement</li> </ul> <p>CCHBC, in the framework of collaboration with stakeholders for common water goals, will support NGO's and non-profit organisations through sponsorship and other event.</p>	
	<p><b>1.6.3 Advanced Indicator</b> Future water issues shall be identified, including anticipated impacts and trends</p>	YES		See indicator 1.7.1.	3
	<p><b>1.6.4 Advanced Indicator</b> Potential water-related social impacts from the site shall be identified, resulting in a social impact assessment with a particular focus on water.</p>	YES		See indicator 1.7.1.	4
<p><b>1.7 Potential water-related social impacts from the site shall be identified, resulting in a social impact assessment with a particular focus on water.</b></p>	<p>1.7.1 Water risks by the site shall be identified and prioritized, including likelihood and severity of impact within and given timeframe, potential costs and business impact.</p>			<ul style="list-style-type: none"> <li>▪ CCH-EW-SVA-SWPP (vulnerabilities and risks, SWPP mitigation plan)</li> </ul>  <p>Last changes of the Register: inclusion of CIP water reduction project and stakeholders' event</p> <p>The impacts are quantified.</p> <p>The above document has incorporated information from the environmental permit and the EIA, which was elaborated by external consultant.</p>	
	<p>1.7.2 Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and</p>	YES		See indicators 1.6.2 and 1.7.1.	

<p><b>1.8 Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.</b></p>	<p>business opportunities.</p> <p>1.8.1 Relevant catchment best practice for water governance shall be identified.</p>	<p>YES</p>		<ul style="list-style-type: none"> <li>○ Environmental KPI progress notifications in billboards</li> <li>○ Monthly Toolbox talk (near losses KBI and reporting, environmental KBI)</li> <li>▪ HS and Environment Induction presentation (commitments and monitoring of energy and water, mention of PPC requirements, near loss reporting, etc.), revision date: 13.08.2019</li> <li>○ Group training of the HSE Loss Prevention Manager on Water and Environmental management, 10<sup>th</sup> of May 2021</li> <li>○ Advance AWS course by <b>Water 2050</b> on 12/11/2020, participants: HSE Loss Prevention Manager and ECES contractor</li> <li>▪ Plan for Emergency response team training on the operation of WWTP, in Q3 2021</li> <li>▪ Presentation 'overview of WWTP and site storm water'</li> <li>▪ Near loss program</li> </ul> <p>[REDACTED]</p> <p>[REDACTED]</p>	
	<p>1.8.2 Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be identified.</p>	<p>YES</p>		<p>Water is recovered/reused from:</p> <ul style="list-style-type: none"> <li>-Backwash water from CF and SF (returns to the Water pre-treatment station)</li> <li>-PET rinsers (returns to the Water pre-treatment station)</li> </ul>	

				<p>[REDACTED]</p> <p>[REDACTED]</p> <ul style="list-style-type: none"> <li>▪ Near losses program</li> </ul> <p>[REDACTED]</p> <ul style="list-style-type: none"> <li>▪ Improvement memo Log (report of near losses)-date, person reporting, machine, line, description/ proposed solution/ information on progression, status, Risk assessment when needed</li> </ul> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	
	1.8.3 Relevant sector and/or catchment best	YES		<ul style="list-style-type: none"> <li>▪ WWTP Compliance testing parameters and</li> </ul>	

	practice for water quality shall be identified, including rationale for data source.			possible targets, SOP-019-07-02 <ul style="list-style-type: none"> <li>Process overview of WWTP</li> <li>SOP for measuring each parameter of the WWTP</li> </ul>	
	1.8.4 Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.	YES		 <p>In 2017, more than 3000 volunteers participated in total In 18 August 2018, 350 kg of litter were collected. Participants: 30 volunteers from CC, local residents, NIEA, members from 'Keep NI Beautiful' and local council.</p> <p>On 20 of June 2018, beach cleaning by the Senior management was performed.</p> <p>On 14 September 2018, an activity has been scheduled "the Big Beach Clean" (one day flagship volunteering program)</p> <p>On 13 September 2019, 406 employees were involved in 'the Big Beach Clean" and 500 bags of litter were collected. Volunteers from community groups participated as well.</p>	
	1.8.5 Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.	YES		See indicator 1.3.8.	
<b>STEP 2 COMMIT AND PLAN</b>					
<b>2.1 Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly</b>	2.1.1 A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments: - That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes - That the site implementation will be aligned to and in support of existing catchment sustainability plans	YES		<ul style="list-style-type: none"> <li>CCH Water stewardship policy signed by CEO</li> <li>Website/ CCH Ireland &amp; N Ireland water stewardship policy, May 2021</li> </ul>	

<p><b>disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.</b></p>	<p>- That the site's stakeholders will be engaged in an open and transparent way - That the site will allocate resources to implement the Standard.</p>				
	<p><b>2.1.2 Advanced Indicator</b> A statement that explicitly covers all requirements set out in Indicator 2.1.1 and is signed by the organization's senior-most executive or governance body and publicly disclosed shall be identified.</p>	YES		See above.	1
<p><b>2.2. Develop and document a process to achieve and maintain legal and regulatory compliance.</b></p>	<p>2.2.1 The system to maintain compliance obligations for water and wastewater management shall be identified, including: - Identification of responsible persons/positions within facility organizational structure - Process for submissions to regulatory agencies.</p>	YES		See indicator 1.5.2.	
<p><b>2.3 Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.</b></p>	<p>2.3.1 A water stewardship strategy shall be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.</p>	YES		<p>See indicators 2.1.1 and 2.3.2. The water stewardship strategy and plan was presented to the company's stakeholders during the Water stewardship event.</p>	
	<p>2.3.2 A water stewardship plan shall be identified, including for each target: - How it will be measured and monitored - Actions to achieve and maintain (or exceed) it - Planned timeframes to achieve it - Financial budgets allocated for actions - Positions of persons responsible for actions and achieving targets - Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.</p>	YES		<ul style="list-style-type: none"> <li>▪ Water use KBI procedure</li> <li>▪ 2018 Environmental worksheet</li> <li>▪ 2019 environmental worksheet</li> <li>▪ Environmental KPI October 2020</li> </ul> <p>Water ratio (2017): 1.55 lt/lt with target: 1.55 lt/ lt Water ratio (2018): 1.53 lt/lt with target: 1.51 lt/ lt WUR 2019: 1.56 lt/ lt with respective target 1.49 lt/ lt WUR 2020: 1.49 lt/ lt with respective target 1.5 lt/ lt WUR (YTD May 2021): 1.51 lt/ lt with respective target 1.52 lt/ lt</p> <ul style="list-style-type: none"> <li>▪ ICSC_QSE monthly Deck, May 2021 (WUR progress,</li> </ul>	

				current performance, actions to improve water efficiency, owner, timeline)	
	<p><b>2.3.3 Advanced Indicator</b> The site's partnership/water stewardship activities with other sites within the same catchment (which may or may not be under the same organisational ownership) shall be identified and described.</p>	NO		---	
	<p><b>2.3.4 Advanced Indicator</b> The site's partnership/water stewardship activities with other sites in another catchment(s) (either under same corporate structure or with another corporate site) shall be identified.</p>	NO		---	
	<p><b>2.3.5 Advanced Indicator</b> Stakeholder consensus shall be sought on the site's water stewardship plan. Consensus should be achieved on at least one target. A list of targets that have consensus and in which stakeholders are involved shall be identified.</p>	NO		---	
<p><b>2.4 Demonstrate the site's responsiveness and resilience to respond to water risks</b></p>	<p>2.4.1 A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.</p>	YES		<ul style="list-style-type: none"> <li>▪ Prosperity agreement</li> <li>○ Communication with NIW 22/10/2020 (EU transition-communication to trade effluent customers re chemicals and treatment)</li> <li>▪ Response by ECES, 2/12/2020 on EU transitional arrangements (purchase of extra chemicals, COD tests for the lab, etc.)</li> </ul>	
	<p><b>2.4.2 Advanced Indicator</b> A plan to mitigate or adapt to water risks associated with climate change projections developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.</p>	NO		---	
<b>STEP 3 IMPLEMENT</b>					
<p><b>3.1 Implement plan to participate positively in catchment governance.</b></p>	<p>3.1.1 Evidence that the site has supported good catchment governance shall be identified.</p>	YES		See indicator 1.8.1.	
	<p>3.1.2 Measures identified to respect the water rights of others including Indigenous peoples, that</p>	YES		Water rights are respected according to legal	

	are not part of 3.2 shall be implemented.			requirements.	
	<b>3.1.3 Advanced Indicator</b> Evidence of improvements in water governance capacity from a site-selected baseline date shall be identified.	NO			
	<b>3.1.4 Advanced Indicator</b> Evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the good water governance of the catchment shall be identified.	NO		---	
<b>3.2 Implement system to comply with water-related legal and regulatory requirements and respect water rights.</b>	3.2.1 A process to verify full legal and regulatory compliance shall be implemented.	YES		There is process in place for the identification of new legislation and for the evaluation of legal compliance. See indicator 1.5.2.	
	3.2.2 Where water rights are part of legal and regulatory requirements, measures identified to respect the water rights of others including Indigenous peoples, shall be implemented.	YES		See indicator 1.5.2 and 1.3.8.	
<b>3.3 Implement plan to achieve site water balance targets.</b>	3.3.1 Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified.	YES		See indicator 2.3.2.	
	3.3.2 Where water scarcity is a shared water challenge, annual targets to improve the site's water use efficiency, or if practical and applicable, reduce volumetric total use shall be implemented.	YES		See indicator 2.3.2.	
	3.3.3 Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs shall be identified.	YES		There isn't any obligation to re-allocate the water.	
	<b>3.3.4 Advanced Indicator</b> The total volume of water voluntarily re-allocated (from site water savings) for social, cultural and environmental needs shall be quantified.	YES		<ul style="list-style-type: none"> <li>➤ Helping the homeless: donation of more than 250000 bottles in 2020-2021</li> <li>➤ Fighting Hunger and food waste: donation of more than 100000 bottles in 2020</li> </ul>	6
<b>3.4 Implement plan to achieve site water quality</b>	3.4.1 Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.	YES		Objective: improvement of the wastewater quality so as a part of it to be re-used at the cooling towers of the	

targets.				CHP (target: turbidity <10, current situation: 12) Proposed projects: Ultrafiltration or RO	
	3.4.2 Where water quality is a shared water challenge, continual improvement to achieve best practice for the site's effluent shall be identified and where applicable, quantified.	YES		The effluent's parameters are within legal and other limits. See indicator 1.3.4.	
<b>3.5 Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.</b>	3.5.1 Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.	YES		No on-site IWRA.	
	<b>3.5.2 Advanced Indicator</b> Evidence of completed restoration of non-functioning or severely degraded Important Water-Related Areas including where appropriate cultural values from a site-selected baseline date shall be identified. Restored areas may be outside of the site, but within the catchment.	NO			
	<b>3.5.3 Advanced Indicator</b> Evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the healthy status of Important Water-Related Areas in the catchment shall be identified.	NO			
<b>3.6 Implement plan to provide access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers at all premises under the site's control.</b>	3.6.1 Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.	YES		See indicator 1.3.8.	



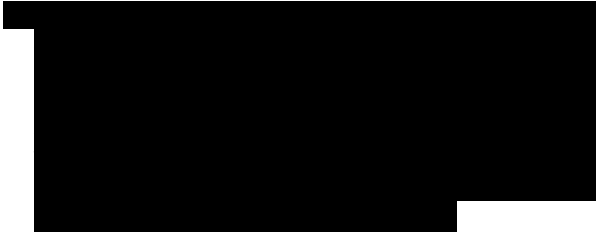
	3.6.2 Evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations, and that traditional access rights for Indigenous and local communities are being respected, and that remedial actions are in place where this is not the case, and that these are effective.	YES		Human right to safe water and sanitation is protected according to relevant legislation.  See indicator 1.3.8.	
	<b>3.6.3 Advanced Indicator</b> A list of actions taken to support the provision to stakeholders in the catchment of access to safe drinking water, adequate sanitation and hygiene awareness shall be identified.	NO		---	
	<b>3.6.4 Advanced Indicator</b> In catchments where WASH has been identified as a shared water challenge, evidence of efforts taken with relevant public-sector agencies to share information and to advocate for change to address access to safe drinking water and sanitation shall be identified.	NO		---	
<b>3.7 Implement plan to maintain or improve indirect water use within the catchment.</b>	3.7.1 Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.	YES		Commitments 2025 (maximization of the water use efficiency for sustainable agriculture) <ul style="list-style-type: none"> <li>o 'Training of farmers together with TCCC</li> <li>o 2020 Yield report Knockmore Hill (for concentrates, sugar, cans, pet, film, etc.)</li> </ul> The minimization of raw materials' yield (and as a consequence reduction of the indirect water used for their production) is monitored and targeted.	
	3.7.2 Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site's engagement related to indirect water use, shall be identified.	YES		<ul style="list-style-type: none"> <li>o 'Doing good together', Group Supplier Sustainability event on 14/4/2021 (more than 300 participants)- presentation of Mission 2015, risk management, culture of ethics and commitment on compliance with human rights, etc.)</li> </ul> See also indicator 2.4.1.	
	<b>3.7.3 Advanced Indicator</b> Actions taken to address water related risks and challenges related to indirect water use outside the catchment shall be documented	NO		---	

	and evaluated.				
<b>3.8 Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.</b>	3.8.1 Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.	YES		No shared water-related infrastructure.	
<b>3.9 Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.</b>	3.9.1 Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.	YES		The practices mentioned in indicator 1.8.1 are implemented.	
	3.9.2 Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.	YES		The practices mentioned in indicator 1.8.2 are implemented.	
	3.9.3 Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.	YES		The practices mentioned in indicator 1.8.3 are implemented.	
	3.9.4 Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.	YES		The practices mentioned in indicator 1.8.4 are implemented.	
	3.9.5 Actions towards achieving best practice related to targets in terms of WASH shall be implemented.	YES		The practices mentioned in indicator 1.8.5 are implemented.	
	<b>3.9.6 Advanced Indicator</b> Achievement of identified best practice related to targets in terms of good water governance shall be quantified.	NO		---	
	<b>3.9.7 Advanced Indicator</b>	YES		Actions described in indicator 1.8.2 have been	8

	Achievement of identified best practice related to targets in terms of sustainable water balance shall be quantified.			implemented.	
	<b>3.9.8 Advanced Indicator</b> Achievement of identified best practices related to targets in terms of water quality shall be quantified.	YES		Re-use of water in the production → saving of higher quality of water and minimization of water treatment. See also indicator 1.8.2.	8
	<b>3.9.9 Advanced Indicator</b> Achievement of identified best practices related to targets in terms of the site's maintenance of Important Water-Related Areas have been implemented.	YES		The actions that have been described in 1.8.4, and have as main target the protection of the environment and the IWRAs' status, have been implemented.  Additionally, the good quality status of the WWTP effluent, which is verified through the physicochemical analyses that are being conducted in a daily basis, ensures the protection of the IWRA.	8
	<b>3.9.10 Advanced Indicator</b> Achievement of identified best practice related to targets in terms of WASH shall be quantified.	NO		---	
	<b>3.9.11 Advanced Indicator</b> A list of efforts to spread best practices shall be identified.	YES		<ul style="list-style-type: none"> <li>○ Water stewardship event</li> <li>○ WeKnow Database/ SP/QW/LL</li> <li>○ Visits from schools</li> <li>○ Company's website</li> <li>○ Stakeholders and suppliers events</li> </ul>	3
	<b>3.9.12 Advanced Indicator</b> A list of collective action efforts, including the organizations involved, positions of responsible persons of other entities involved, and a description of the role played by the site shall be identified.	YES		See indicator 1.8.4.	8
	<b>3.9.13 Advanced Indicator</b> Evidence of the quantified improvement that has resulted from the collective action relative to a site-selected baseline date shall be identified and evidence from an appropriate range of stakeholders linked to the collective action (including both those implementing the action and those	NO		---	

	affected by the action) that the site is materially and positively contributing to the achievement of the collective action shall be identified.				
<b>STEP 4 EVALUATE</b>					
<b>4.1 Evaluate the site's performance in light of its actions and targets from its water stewardship plan and demonstrate its contribution to achieving water stewardship outcomes.</b>	4.1.1 Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.	YES		<ul style="list-style-type: none"> <li>ICSC_QSE monthly Deck, May 2021 (WUR progress, current performance, actions to improve water efficiency, owner, timeline)</li> </ul> <p>Weekly meetings with the Plant Manager and the Managers' Team</p> <p>Monthly meetings: Plant Manager, Country QSE Manager, ICSC Manager, Procurement Manager, Finance, Logistics and Capability Manager</p>	
	4.1.2 Value creation resulting from the water stewardship plan shall be evaluated.	YES		See indicators 1.3.7 and 1.7.2.	
	4.1.3 The shared value benefits in the catchment shall be identified and where applicable, quantified.	YES		See indicator 1.3.7.	
	<b>4.1.4 Advanced Indicator</b> A governance or executive-level review, including discussion of shared water challenges, water risks, and opportunities, and any water-related cost savings or benefits realized, and any relevant incidents shall be identified.	YES		<ul style="list-style-type: none"> <li>Management review minutes of meeting, 20/10/2020 and 22/4/2021</li> </ul> <p>Preparation of a CAPEX 2022 Wish list (provision of a wish list from the Managers, review of the list and presentation to the Group for approval)</p> <p>See also indicator 4.1.1.</p>	3
<b>4.2 Evaluate the impacts of water-related emergency incidents (including extreme events), if any occurred, and determine the effectiveness of corrective and preventative measures.</b>	4.2.1 A written annual review and (where appropriate) root-cause analysis of the year's emergency incident(s) shall be prepared and the site's response to the incident(s) shall be evaluated and proposed preventative and corrective actions and mitigations against future incidents shall be identified.	YES		No incidents.	
<b>4.3 Evaluate stakeholders' consultation feedback</b>	4.3.1 Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.	YES		<ul style="list-style-type: none"> <li>Website of Responsible Business Network (the company won the platinum award 2019)</li> </ul>	

<p>regarding the site's water stewardship performance, including the effectiveness of the site's engagement process.</p>				<ul style="list-style-type: none"> <li>▪ Platinum Status at the <i>Business in the Community Northern Ireland Environmental Benchmarking Awards</i> in 2016, 2017 and 2019</li> <li>▪ 2019 Progress report, prepared by NIEA for the companies who have signed prosperity agreements (description of company's achievements e.g. EWS certification, reduction of WUR by 16% since 2010)→ acknowledgement of company's water management system (water risk assessment, SWPP, performance)-NOT PUBLISHED YET</li> <li>▪ Presentation of Water Stewardship event, 24/5/2021</li> </ul> <p>The company invited 30 water-related stakeholders to the launch of its Water stewardship plan on 24<sup>th</sup> of May 2021. Feedback was received via questionnaire.</p> <p>3 responses from NIEA, ECES LM and Lagan Rivers Trust-→ Positive feedback regarding plant's system and plan.</p>	
	<p><b>4.3.2 Advanced Indicator</b> The site's efforts to address shared water challenges shall be evaluated by stakeholders. This shall include stakeholder reviewing of the site's efforts across all five outcome areas, and their suggestions for continual improvement.</p>	NO		---	
<p><b>4.4. Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.</b></p>	<p>4.4.1 The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be identified.</p>	YES		See indicator 4.1.1.	
<p><b>STEP 5 COMMUNICATE &amp; DISCLOSE</b></p>					
<p><b>5.1 Disclose water-related internal governance of</b></p>	<p>5.1.1 The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall</p>	YES		<ul style="list-style-type: none"> <li>▪ Sustainability infographic (EWS certification)</li> <li>▪ Group procedure: 'Water use reduction plan and site</li> </ul>	

<p><b>the site's management, including the positions of those accountable for legal compliance with water-related local laws and regulations.</b></p>	<p>be disclosed.</p>			<p>specific WUR target setting process'-according to this procedure a dedicated Water Team should be held</p> <p>The Water Team is responsible for the implementation of the EWS system. The Water Team consists of the HSE Loss Prevention Manager (Water Champion), the HSE Coordinator and the Engineering Services Manager.</p> <ul style="list-style-type: none"> <li>▪ Presentation of Water stewardship event (Contact persons for water management topics were presented at the virtual launch of the company's Water stewardship plan on 24<sup>th</sup> of May 2021)</li> </ul>	
<p><b>5.2 Communicate the water stewardship plan with relevant stakeholders.</b></p>	<p>5.2.1 The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.</p>	<p>YES</p>		<p>See below.</p>	
<p><b>5.3 Disclose annual site water stewardship summary, including the relevant information about the site's annual water stewardship performance and results against the site's targets.</b></p>	<p>5.3.1 A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.</p>	<p>YES</p>		 <ul style="list-style-type: none"> <li>▪ Sustainability infographic 2010 to 2020/ Responsible water stewardship (achievement in water reduction, targets in relation to treatment of wastewater and optimization of water use)</li> <li>▪ Report of water/ wastewater quality and quantity is sent to NIEA. The report is uploaded to a public Register.</li> <li>▪ Water abstraction-confirmation by the NIEA that the abstraction limits aren't exceeded, 11.9.2020</li> <li>▪ Public water supplies sample History (1-30/6/2020)</li> </ul>	

	<b>5.3.2 Advanced Indicator</b> The site's efforts to implement the AWS Standard shall be disclosed in the organization's annual report.	NO		---	
	<b>5.3.3 Advanced Indicator</b> Benefits to the site and stakeholders from implementation of the AWS Standard shall be quantified in the organization's annual report.	NO		---	
<b>5.4 Disclose efforts to collectively address shared water challenges, including: associated efforts to address the challenges; engagement with stakeholders; and co-ordination with public-sector agencies.</b>	5.4.1 The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.	YES		<ul style="list-style-type: none"> <li>▪ Website of Agriculture, Environment &amp; Rural Affairs/ publication on 25.2.2020 about the Innovative prosperity agreement between NIEA and NI CCH</li> <li>▪ Website of the company</li> <li>▪ Water stewardship event</li> </ul>	
	5.4.2 Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.	YES		See indicators 1.8.4 and 2.4.1.	
<b>5.5. Communicate transparency in water-related compliance: make any site water-related compliance violations available upon request as well as any corrective actions the site has taken to prevent future occurrences.</b>	5.5.1 Any site water-related compliance violations and associated corrections shall be disclosed.	YES		There is efficient mechanism in place. No violations in 2021.	
	5.5.2 Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.	YES		See above.	
	5.5.3 Any site water-related violation that may	YES		See above.	

	pose significant risk and threat to human or ecosystem health shall be immediately communicated to relevant public agencies and disclosed.				
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#### **4. Stakeholder interviews**

An announcement was made by LR 30 days before the audit but no request has been submitted to the audit team.

Additionally, an e-mail has been sent to key, water-related, stakeholders of the plant requesting feedback on its water management system. Reply has been received from the Northern Ireland Environmental Agency with very positive feedback regarding the company's water management system and performance. Positive reply has also been received by the NI Water company and the NGO Lagan River Trust.

## 5. Conformity Assessment Findings Log – AWS standard

LIST OF MAJOR NON CONFORMITIES					
Status	Description of the Finding	Proposed corrective action & root cause analysis & timeframe	CAP review	Reference Number & Date of Issue	AWS Indicator

LIST OF MINOR NON CONFORMITIES					
Status	Description of the Finding	Proposed corrective action & root cause analysis & timeframe	CAP review	Reference Number & Date of Issue	AWS Indicator
<b>NEW</b>	The water balance of Lough Neagh basin (municipal wells' location) hasn't been determined.			0621APP01	1.5.3
<b>NEW</b>	The plant has identified some IWRA but river Lagan and the Lissue stream, where storm water flows after the 4 lagoons, haven't been included. Also, their status hasn't been assessed through stakeholder engagement.			0621APP02	1.5.5

LIST OF OBSERVATIONS					
Status	Description of the Finding	Proposed corrective action & root cause analysis & timeframe	CAP review	Reference Number & Date of Issue	AWS Indicator
<b>NEW</b>	The water recycled and the effluent quantity hasn't been included in the Water map.			0621APP01, Jun 2021	1.3.2.

LIST OF OBSERVATIONS					
Status	Description of the Finding	Proposed corrective action & root cause analysis & timeframe	CAP review	Reference Number & Date of Issue	AWS Indicator
NEW	Regarding WASH in the catchment, some generic information has been provided by NIW. The company could seek additional info from other sources e.g. AQUEDUCT.			0621APP02, June 2021	1.5.7

## 6. Next visit details

<b>Visit type</b>	SV1				
<b>Audit days</b>	tbd	<b>Due date</b>	6/2022	<b>Visit start / end dates</b>	
<b>Locations</b>	12 Lissue Road, Co. Antrim, Knockmore Hill BT28 2SZ, Ireland				
<b>Team</b>	TBD				
<b>Remarks and instructions</b>					



## 8. Certificate details

**CERTIFICATE No.:** .....  
**AWS REFERENCE No.:** AWS 000320

**GOLD AWS LOGO TO BE INSERTED HERE**

### Issued to

**COCA-COLA HBC Northern Ireland Ltd**  
**Knockmore Hill plant: 12 Lissue Road Knockmore Hill, Lisburn BT28 2SZ, NI**

### Standard

Alliance for Water Stewardship Standard Version 2.0/ 22.03.2019

**Date of certification: xx/xx/xxxx (TR date)**

This certificate covers the following processing unit which meets the criteria of the Alliance for Water Stewardship Standard:

Certificate scope	Catchment & Industry sector	Process
Single site	Lagan river catchment and Lough Neagh Basin / food sector	Bottling of non-alcoholic beverages

This certificate remains property of HELLENIC LLOYD'S S.A. and can be withdrawn in case of terminations as mentioned in the client contract, or in case changes or deviations of the above mentioned data occur. The client is obliged to inform HELLENIC LLOYD'S S.A. immediately of any changes in the above mentioned data. Only an original and signed certificate is valid. HELLENIC LLOYD'S S.A. declares to have inspected the processing unit of the above-mentioned client, and have found them in accordance with the standards mentioned above.

The AWS Gold Certification Level demonstrates that the operator complies with all core indicators and additional points have been awarded for performance against the advanced criteria (AWS Gold: 40 or more points).

This certificate is in force until further notice, provided that the above-mentioned client continues meeting the conditions as laid down in the client contract with HELLENIC LLOYD'S S.A. Based on the annual inspections that HELLENIC LLOYD'S S.A. performs, this certificate is updated and kept in force. This certificate cannot be used as a guarantee certificate for delivered products.

Expires on: xx/xx/xxxx

Period of validity: 3 years

Issued by: HELLENIC LLOYD'S S.A.

Place and date of issue: xx/xx/xxxx [TR date]

## 9. Report explanation

### LR Findings Log definitions and information

#### Definitions of Grade Findings

**Observations** are defined as an area of concern regarding a process, document, or activity where there is opportunity for improvement.

**Major non-conformity** is raised if the issue represents a systematic problem of substantial consequence; the issue is a known and recurring problem that the client has failed to resolve; the issue fundamentally undermines the intent of the AWS Standard; or the nature of the problem may jeopardize the credibility of AWS.

**Applicants** must close major NCR within Ninety (90) days of the NCR issue date. Failure to meet this deadline will require another conformity assessment (check note 1)

**Certificate Holders** must close\* major NCR within Thirty (30) days of the NCR issue date. If the Major NCR is not addressed within 30 days LR shall suspend or withdraw the certificate and reinstatement shall not occur before another conformity assessment has been successfully completed.

**Minor non-conformity:** Where the audit team has evaluated an audit finding and determines that the seriousness of the issue does not meet the any of the criteria for Major non-compliance the audit team shall grade the finding as a minor non-conformity.

**Applicants** must submit an acceptable corrective action plan (check note2) to address all minor non-conformities to be recommended for certification.

**Certificate Holders** must close minor NCR within Ninety (90) days of the NCR issue date. LR may agree to an alternative time frame with the client as long as this can be justified and is documented in the NCR report. If corrective actions are inadequate to resolve a minor non-conformity by the time of the next scheduled audit, LR shall upgrade the audit finding to a major non- conformity.If an unusually large number of minor non-conformities are detected during the course of a single audit, the audit team may at their discretion raise a major non-conformity to reflect a systematic failure of the client's management system to deliver conformity with the AWS Standard.

*NOTE 1 - closed = actioned by the client, corrections & corrective actions verified and closed by the auditor.*

*NOTE 2 - The corrective action plan shall include an analysis of the root cause of the minor non-conformity; the specific corrective action(s) to address the minor non-conformity; and an appropriate time frame to implement corrective action(s).*

#### Additional information

##### **Confidentiality**

*We will treat the contents of this report, together with any notes made during the visit, in the strictest confidence and will not disclose them to any third party without written client consent, except as required by the accreditation authorities.*

##### **Sampling**

*The assessment process relies on taking a sample of the activities of the business. This is not statistically based but uses representative examples. Not all of the detailed nature of a business may be sampled so, if no issues are raised in a particular process, it does not necessarily mean that there are no issues, and if issues are raised, it does not necessarily mean that these are the only issues.*

##### **Terms and conditions**

*Please note that, as detailed in the Terms and Conditions clause of the contract ([insert appropriate clause number here](#)), clients have an obligation to advise LR of any breach of legal, regulatory, or statutory requirements and any pending prosecution. Although proportionality and scale of the situation should be considered, you are required to advise LR of any serious potential risks to our certification but*

*not, for example, isolated cases of a minor nature.*

*“The Client is required to inform LR as soon as it becomes aware of any breach or pending prosecutions for the breach of any regulatory requirements relevant to the Certified Management System. LR will review the details of any breaches brought to its attention and may elect to perform additional verification activities chargeable to the client to ensure compliance with specified requirements. LR reserves the right to suspend or withdraw certificates of approval / verification statements and opinions for both failure to inform LR and the appropriate regulator of such breaches”.*