



Cheshire West and Chester Waste Needs Assessment

CWaC Waste Management Facility Operator Survey

Report: Final

Version: v1.2

Issued: 02nd February 2024

BPP Consulting Document Control

Project: Cheshire West & Chester Waste Need Assessment 2023

Report: Waste Management Facility Operator Survey

Version Description: Final

Version No: v1.2

Date: 02.02.2024

Version No.	Version Description	Author	Date	Reviewed	Date
1.0	Draft for Client review	Alan Potter (Partner)	05.09.2023	<i>Roshnee Chavda (Client Reviewer)</i>	08.09.2023
1.1	Post Client Review	Alan Potter (Partner)	29.12.2023	<i>Catherine Morgetroyd (Client Reviewer)</i>	12.01.2024
1.2	Final	Alan Potter (Partner)	02.02.2024		

While due care and diligence has been exercised in the preparation and production of this report, BPP Consulting LLP and its subcontractors exclude to the fullest extent lawfully permitted, all liability for any loss or damage however arising from reliance on its contents.

Contents

Introduction.....	1
Purpose.....	1
Methodology	1
Response Rate	2
Additional Information Obtained	3
Conclusion	3
Appendix 1:	4
Appendix 2	7
Appendix 3	10

Introduction

This report presents the outcome of a telephone survey undertaken by BPP Consulting on behalf of Cheshire West & Chester Council, to inform production of the 2023 Waste Needs Assessment for Cheshire West and Chester (CWaC).

Purpose

The survey sought to:

1. obtain/verify capacity data for planned and operational waste management facilities in CWaC;
2. to provide the opportunity for respondents to input to the development of waste policies to be included in the Local Plan; and
3. to confirm contact details for ongoing engagement as the Local Plan develops (subject to GDPR).

Methodology

Prior to undertaking the survey a desk-based exercise was undertaken drawing on reported facility input data from the Environment Agency Waste Data Interrogator from 2017 to 2021 for the CWaC sites, to identify the peak input to each facility. Adding 20% onto the peak number gave an estimate of each site's maximum annual capacity. The dataset was screened to remove potential duplicates, anomalies and site's whose peak capacity was estimated to be less than a 1,000 tpa (taken as threshold of significance). Where WDI data was not available, the Environment Agency permit register was checked to confirm whether the site was subject to an environmental permit. Sites without a permit were not contacted as they are no longer operational and they were excluded from the survey. Sites with a permit without data were contacted and asked why there were no inputs submitted from 2017 to 2021.

Operators and developers of significant sites within CWaC were contacted by telephone to verify the estimated peak capacity figures.

The contact was used as an opportunity to invite respondents to share views about:

- whether there are planning or permit limits on the site inputs which might act as a constraint on their operation;
- whether the site produces recycled aggregate, and if so, how much and of what type;
- whether there were any issues or concerns that might affect the continued operation of the site;
- their plans to expand or modify operations in the Borough in the next few years, and

- whether it wished to make the council aware of anything concerning the continued operation of the site or to request help from the Council.

The survey was conducted during August/September 2023.

The survey population were operators and developers of any waste management sites in Cheshire West and Chester with an annual input of 1,000 or more tonnes over the past 5 years or developers granted planning permission.

The typical process followed is set out below:

1. Initial contact established to confirm the correct contact details.
2. Follow up calls made with the appropriate contact.
3. On occasions participants requested email contact, and an email including a letter of explanation/authorisation was sent. An example email is included in Appendix 1 plus a copy of the standard letter.

Response Rate

The following profile of responses was achieved at the point of closure of the survey.

Contact was established with 24 of the 37 target respondents. Of these 20 provided all the requested information which equates to a 54% response rate. When those that gave a partial response are also included the response rate equates to 65%. While initial contact was established with 8 potential respondents they declined to participate or could not be contacted again. Contact was not established with 5 potential respondents despite repeated attempts by phone and email.

Moreover when the significance of the facilities which each respondent represents, the response rate relates to facilities responsible for over three quarters of the operational waste management capacity in CWaC.

In addition to the sites currently in operation, contact was established with the landowner of a site under construction (Tata Chemical Europe Ltd) which is to become operational by 2025 with a capacity of c600,000 tpa and the landowner of the Protos Allocation. This covered the additional capacity under development in CWaC.

Response Status	Count
No response/failed to establish contact	13
Partial Response	4
Full response	20
Grand Total	37

Additional Information Obtained

In addition to the responses relating to site annual capacity, the following Table summarises the number of responses received on the additional questions asked. Where the respondent did respond and no response is recorded against some or all of the items (as shown in Appendix 2), this means the respondent said none of the issues listed were seen as of concern/relevant to them. While responses have been summarised in Appendix 2, the specific details have been retained separately as they were provided on a confidential basis.

Issue	Response <i>n</i>
Planning or permit limits on the site inputs which constrain operation	7
Does the site produce recycled aggregate, and if so, how much and of what type	3
Issues or concerns that might affect continued operation of the site	7
Plans to expand or modify operations in the next few years	9
Concerns about continued operation or request for help from Council	9

Conclusion


Where contact was established, conducting the survey:




- verified the site annual capacities estimated using the WDI data; and
- provided data for sites that were not in the WDI for which a capacity value was not held.

While engagement should continue throughout the Plan development process, it should be noted that a substantial number of contact details initially provided were found to be not correct, so any engagement exercise should utilise the most current contact information where it has been obtained. This data should remain confidential to comply with GDPR.

Appendix 1: Example email sent on request plus copy of letter (redacted).**PHONE CALL FOLLOW UP REGARDING WASTE CAPACITY SURVEY FOR CHESHIRE WEST & CHESTER COUNCIL**To: CWaC Letter of introduction.pdf
166.48 KB

Dear Sir/Madam

Further to a conversation with  I am dropping a line regarding the above.

We are particularly keen to confirm the maximum annual management capacity of  facility at  – we have ascertained a value of  based on the most recent returns you submit to the Environment Agency for 2021 which looks to be a 5 year high. We wondered what that growth might be due to? And if this might mean you would be wanting to expand your operations further?

I attach a letter from our client at the Council regarding the survey and confirming our appointment.

We trust you will grasp this early opportunity to influence the development of local waste policy in Cheshire West & Chester and look forward to receiving your response by return email.

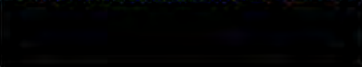
Please do not hesitate to get in touch should you have any queries.

Yours faithfully



Partner
BPP Consulting LLP

Visit www.bppconsulting.co.uk to find out more.



Cheshire West & Chester Council

Planning Policy
Planning Policy
Cheshire West and Chester Council
4 Civic Way
Ellesmere Port
CH65 0BE

01244 973887

www.cheshirewestandchester.gov.uk

our ref
WNA 2023

please ask for:

Date: 08.03.2023

Dear Sir/Madam,

Cheshire West and Chester: Waste Needs Assessment
BPP Consulting on behalf of Cheshire West and Chester Council

Cheshire West and Chester Council is in the process of updating the evidence base to support the future development of an update to the Local Plan. The Cheshire West and Chester Local Plan includes a series of planning policies to be used in decision-making on planning applications for proposed developments within the Borough.

The current Local Plan includes policies relating to safeguarding existing, and providing for future, waste management capacity and in order to update these policies it is essential that the Council has a good understanding of the capacity of the existing major waste management sites operating in the borough.

The Council have commissioned BPP Consulting – a specialist waste planning consultancy – to produce a new Waste Needs Assessment. The Waste Needs Assessment assesses existing capacity of facilities operating within the Borough and compares it against predicted future waste management requirements to identify any gaps in capacity that may need to be provided for by the Local Plan. As part of this have been asked that they engage directly with operators of significant waste management facilities in the area.

As your company is a significant player and operations may change over time, we are reviewing the data we hold about your site to ensure it accurately reflects your current activities as far as possible. We would also like to hear about any future plans or aspirations you may have in mind too.

The process will involve a telephone interview between a specialist from BPP Consulting and the person in your company best able to talk about your current activities and plans. All

Cheshire West & Chester Council

interviews will be conducted on a confidential basis. You will have an opportunity to review the record of the interview to ensure its accuracy and to indicate any matters you consider confidential and would wish to be withheld from the public record.

I trust that you will take full advantage of this opportunity to influence our future planning policy for waste in Cheshire West and Chester and thank you in advance for your cooperation.

Yours faithfully,



Principal Planning Officer – Planning Policy
Cheshire West and Chester Council

Appendix 2: List of operators contacted for the survey

No.	Topic
1	Planning or permit limits on the site inputs which constrain operation
2	Does the site produce recycled aggregate, and if so, how much and of what type
3	Issues or concerns that might affect continued operation of the site
4	Plans to expand or modify operations in the next few years
5	Concerns or request for help from Council.

Operator Name	Site Name	Facility Type	Assessed annual capacity (tpa)	Operator Annual Capacity(tpa)	Topic 1	Topic 2	Topic 3	Topic 4	Topic 5
Full response									
3C Waste Ltd	Gowy	Landfill & composting		Site permission expired and relocated	x	x	x	x	x
ASH Skip Hire Ltd	Park Rd, Northwich	Non-Haz Waste Transfer	4,830	5,000	-	✓	x	x	✓
A Vlies Northwich Metals Ltd	4 Ollershaw Ln, Marston, Northwich	Metal Recycling	3,072	3,000	-	x	x	x	x
Ash Aggregates Limited	Shellway Rd, Ellesmere Port	Physical Treatment	204,588	200,000	x	✓	x	x	x
Ash Metal Recycling Limited	Ashfield House, Dunkirk Way	Non-Haz Waste Transfer	11,423	20,000	✓	x	✓	x	x
Canal & Rivers Trust (aka British Waterways Board)	Acton Bridge Dredging Tip	Lagoon	50,534	50,000	✓	x	x	✓	✓
Cheshire West Recycling Limited. (CWaC Council in-house)	C W & C Canalside Operations Hub	Non-Haz Waste Transfer	37,924	-	✓	x	✓	✓	✓
Cheshire Waste Skip Hire Ltd	Liverpool Rd, Backford	Non-Haz Waste Transfer	29,162	30,000	-	✓	x	x	✓
K J Bell Scrap metal Merchants	Cedab Rd, Ellesmere Port	Metal Recycling	5,979	5000	x	x	x	x	x
Normans Farm Gas Power Ltd	Haznortra Farm	Anaerobic Digestion	10,277	356,000	✓	x	✓	✓	✓
D G Cummins & Co Ltd	Aggregates Yard	Inert Waste Transfer / Treatment	101,875	80,000	-	✓	✓	x	✓
Evero (Peel)	Ince Bio Power - Marsh Lane Ince	Biomass power plant	64,934	176,000	✓	x	✓	✓	✓
Bioenergy Infrastructure Services Ltd (Peel)	Ince Park Renewables - Marsh Lane Ince	Front end biomass processing (MRF)	24,427	Counted above	✓	x	✓	✓	✓

Orsted REnescience Northwich O&M Limited	REnescience Northwich MBT plant	Biological Treatment	42,471	70,000	x	x	x	✓	x
Greif UK Ltd	Merseyside Works	Physical- Chemical Treatment	1,520	0 - operation ceased	x	x	x	x	x
Recresco Ltd	Manisty Wharf	Material Recycling Facility	251,533	250,000	✓	x	✓	✓	✓
Synetiq Limited	Rd Three, Winsford	Vehicle depollution facility	3,170	-	-	-	-	✓	-
Tata Chemicals Europe Ltd	Lostock Sodium Carbonate Manu Site	Physical- Chemical Treatment	2,012	Site undergoing redevelopment	x	x	x	x	x
Veolia ES (UK) Limited	Ellesmere Port Incinerator	Hazardous Waste Incinerator	82,307	100,000	-	-	x	✓	x
P Casey Enviro Limited	Town Farm Quarry	Landfill		Permanently closed in 2018 (reached capacity)					

Key: Assessed annual capacity = WDI peak input +20% per year

Partial Response

FCC Waste Services (UK) Limited	Chapterhouse Transfer Station	Physical Treatment	102,000	-	-	x	-	-	x
Eric Nelson - Northwich Mini Skips	rear of 249 Middlewich Rd	Non-Haz Waste Transfer	4,456	-	-	-	-	-	-
Tradebe North West Limited	Cheshire Waste Management Centre	Haz Waste Transfer	6,603	-	-	-	-	-	-
W R Roberts & Sons	60-64 Chapel St, Wincham	Metal Recycling	7,646	-	-	-	-	-	-

Contacted but no response

Operator Name	Site Name	Facility Type	Assessed annual capacity (tpa)
Argent Energy (UK) Limited	Argent Biodiesel Stanlow Plant	Physical-Chemical Treatment	125,097
	Stanlow Oil Terminal		n/e
Big Atom Limited	Canalside, Oil Sites Rd	Physical Treatment	5,692
ECO-Option (UK) Limited	Brunner-Mond Works	Chemical Treatment	38,436
Haltermann Carless UK Limited/Electrical Oil Services Limited	Ellesmere Port Transformer Oil Regen Plant	Haz Waste Transfer / Treatment	10,277
J Willis & D Willis	Holme Farm	Lagoon	Closed
Mcintyre Jamie	Unit 7 Indigo Business Park	Car Breaker	
Tudor Griffiths Ltd	Tattenhall Transfer Station	Non-Haz Waste Transfer	14,165
Veolia ES (UK) Limited	Winsford Rock Salt Mine Waste Disposal Facility	Hazardous LF	1,681,926 ¹
	Winsford Rock Salt Mine WTS	Non-Haz Waste Transfer	24,153

¹ Remaining void space

Failed to establish contact			
Operator Name	Site Name	Facility Type	Assessed annual capacity (tpa)
Alchem Merseyside Ltd	Bridges Road Transfer Station	Non-Haz Waste Transfer	11,768
George Whittaker And Sons (Knutsford) Ltd	Hapsford Composting Site	Composting	28,688
Northwich Recycle And Demolition Ltd	Unit 13 Griffiths Park, Rudheath, Northwich	Non Haz Waste Transfer / Treatment	1,281
Robertson Norman	Hooton Grange Garage Ltd, Hooton Cross Roads, New Chester Road Hooton, Ellesmere Port		n/a
Ringway Infrastructure Services Ltd	Davenham Highways Depot	Non-Haz Waste Transfer	2,372
	Guilden Sutton Depot	Non-Haz Waste Transfer	6,614

Appendix 3: Text of Specific Responses

Response from Peel NRE ([REDACTED] Development Director) relating to EP6 - Ince Park (Protos) allocation

Plot	Consented Use	Capacity	Status	Operator	Process description
1a	Berth related B2 activities	0	Consented		
1b	Rail Facility	-	Consented		Design for importation or export of materials by container
2	Soils	80,000	Consented		
8	EfW	400,000	Under construction	Encyclis (Covanta)	Residual waste/RDF merchant plant
3	Wood processing facility		Built, not operational	Evero	Supplies biomass to power plant but could be separate
9	Biomass power station	175,000	Built & operational	Evero	
5	Black bag MRF	650,000	Consented		Front end sort and RDF production.
11/12	Mechanical processing of plastics (PERF)	367,500	Consented		PERF1 200ktpa PERF2 97ktpa (washing)
10	MRF	75,000	Consented		
10b	Plastic-hydrogen via pyrolysis	12,500	Consented		
9c	Plastic laminate processing	2,500	Consented		
9b	Hydrogen refuelling	1000kg	Consented		
13	Mixed plastic	25,000	Consented	Enviro	12.5ktpa food grade PET 12.5ktpa to plot 10b
4	Biosyng		Consented	Progressive Energy/ABSL	Convert biomass to gas or RDF
6,7, 14	Plastic Village, Water Treatment Works and Block Making		Consented		

Additional Notes:

- Niche recycling capacity needed to achieve ambitious recycling (residual waste reduction) targets and drive waste up the hierarchy
- EfW being included into the (carbon)Emissions Trading Scheme will likely drive front end segregation of fossil based plastics.

Response from Orsted REnescience Northwich ([REDACTED] Senior Manager) relating to REnescience Northwich MBT plant

Hi Alan, after review internally here are updated responses:

Key points I recorded for your confirmation as follows (using 2021 data):

1. The imbalance between inputs (35k) and outputs (51k) is largely due to inputs of water.
2. All input is LACW supplied by CWaC's residual waste management provider
3. The c. 20k of output going for incineration is in the form of RDF (and meets the spec)
4. The 7k of output going to Recovery includes c. 4k of digestate from AD going to land restoration projects, metals and plastics of c. 3k are also cleaned and sent for recycling
5. 2021 was the first year of full commercial operation
6. Within the next 2 years the Renescience plan expects to achieve input of c. 70ktpa.
7. The Renescience Northwich plant it's the first of its kind process and more plants are intended to be constructed.

