



**SPECIALISTS IN MANAGING THE UK'S DIFFICULT TO HANDLE WASTES
FOCUSSING ON THE BEST ENVIRONMENTAL OUTCOMES**



Presentation to the Tees & Hartlepool Port Users Association
13th April 2022

THE TEAM



Richard has over 30 years waste management and renewable energy experience and is responsible for cost effective, compliant and reliable waste recycling, recovery, treatment and disposal solutions to commercial and public sector clients

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Richard Brooke
Commercial Director



Terry has over 15 years waste management operational experience and is responsible for overseeing the treatment, recovery and disposal of hazardous and non-hazardous waste at Augean's Port Clarence site

 WARRINGTON
• SEBERTON
• 2020

 Augean Port Clarence site
Off Huttonian Dyke
Port Clarence
Middlesbrough TS2 2UL

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Terry Blanchard
Port Clarence Site Manager



Jason has been in the hazardous waste and construction industry for over 20 years. He is responsible for the leadership and strategic growth of the commercial function across all Augean UK sites, covering construction and dredging wastes for recovery, treatment and disposal. He ensures customer service delivery remains at the forefront of our business.

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Jason Mockett
Head of Construction and Soils Strategic Development Manager



Joseph is our Business Development Manager for the North, based from our Port Clarence facility in Teesside.

Joseph joined Augean in 2017 and focuses on providing treatment and disposal solutions to the construction industry, he works closely with customers to ensure market leading levels of customer service are maintained at all times.

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Joseph Newman
Business Development Manager - North



David is our Business Development Manager for the South, based at our East Northants Resource Management Facility (ENRMF) located near Peterborough.

Having operated in the waste management and recycling sectors for over 5 years, David focuses on the growth and development of the energy business by expanding the services we provide to existing customers and reaching out to new clients and new opportunities

 07717 694665

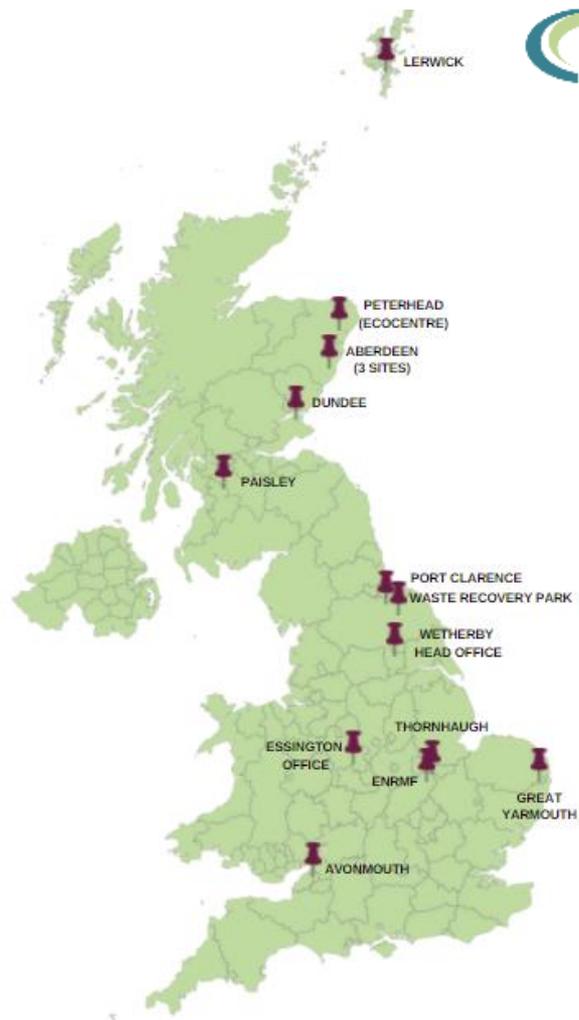
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David Bumpstead
Business Development Manager - South



WHO WE ARE

- Augean specialises in managing the UK's more difficult to handle wastes with treatment and disposal infrastructure throughout the UK
- Augean has an annual turnover of over £100 million and employs around 300 people across 15 sites nationwide
- Augean provides waste management and Industrial Cleaning services to a wide range of sectors including Energy from Waste and Biomass, Infrastructure and Construction, Nuclear and Radioactive, Processing and Manufacturing, and Oil and Gas
- Augean has a proven track record for safety and compliance, whilst delivering the best environmental outcomes and excellent customer service



HSEQ ACCREDITATIONS



BS ISO 9001:2015 Quality Management: FM30936
BS ISO 14001:2015 Environmental Management: EMS77070
BS OHSAS 45001:2018 Occupational Health & Safety: OHS530550
BS PAS 99:2012 IMS Integrated Management System: IMR522032
UKAS ISO 17025:2017 Laboratory Testing Accreditation: UKAS4292
Achilles UVDB Verify accredited
Alcumus SafeContractor accredited (SSIP)
Constructionline Silver & Constructionline SSIP Acclaim accredited
JOSCAR accredited (for MOD)
Cyber Essentials Plus Accreditation



MEMBERSHIPS



Augean believes that involvement in sector organisations is essential in understanding and influencing its markets, the regulatory climate and sector operating standards. Accordingly, Augean maintains membership and takes an active role in the following organisations and groups:

- Environmental Services Association (ESA)
- Environmental Industries Commission: C00200033
- The EA Landfill Regulation Group
- DEFRA's Hazardous Waste Strategy Group
- Nuclear Industry Association (NIA)
- Society for Radiological Protection
- The NDA's National LLW Programme Stakeholder Group
- Road Haulage Association (RHA): 0027963-000
- Oil Recycling Association
- British Ports Association (BPA)
- The Tees & Hartlepool Port Users Association

PORT CLARENCE, MIDDLESBROUGH



Augean's Port Clarence facility is one of the **UK's largest facilities for the treatment, recovery and disposal of hazardous and non-hazardous wastes with a permitted life of over 30 years**

Permitted operations **24 hours a day, 7 days a week if required**

The Port Clarence facility **can accept a wide range of wastes** ranging from dredgings (both hazardous and non-hazardous), oil and metal contaminated soils and construction wastes including asbestos contaminated waste, NORM, filter cakes and sludges

All Augean facilities have extensive support from technical and compliance teams ensuring wastes are handled safely and in a compliant manner

Treatment processes at Augean's Port Clarence facility include bio-remediation, solidification, neutralisation, dehydration and stabilisation

Augean's Port Clarence site supports the local community through being a major funder of the Saltholme International Nature Reserve and donating to a variety of local community projects through BELP (Billingham Environmental Link Programme)



THE BENEFITS AUGEAN OFFERS ON DREDGINGS



Augean has purpose-built lagoons at both its Port Clarence site and East Northants Resource Materials Facility (ENRMF) site near Peterborough, for the storage of **wet dredging waste, both hazardous and non-hazardous, pending treatment**

The availability of these permitted, lined, storage lagoons enables the provision of continued service, avoiding delays to dredging activities and ensures Augean has the **capability to receive large volumes of wet dredging wastes in short time frames**

Following receipt of dredging wastes into our purpose-built lagoons, the material is **transferred to our adjacent on-site permitted treatment areas where a dehydration and solidification process is undertaken using other wastes**

Once treated, the dredging wastes are tested and assessed, using our own UKAS accredited laboratory, in order to determine the levels of contaminants and then safely and compliantly disposed in an on-site cell

All waste is **stored, treated and recovered/disposed within the same Augean facility** - this provides clients a proven, robust, cradle-to-grave auditable in-house solution for their dredging wastes

A **recovery solution** is now offered at Port Clarence for dredgings waste with **increased storage capacity**



CASE STUDY

DREDGING DEEP WATER QUAYS ON THE RIVER TEES



In 2013, Augean supported AV Dawson during the removal and disposal of river dredgings for its £3.2 million deep-water quay development project

Once completed, the deep-water quay was 150m long and 14m deep at high tide. A number of delivery stages had been required to achieve this and Augean provided specialist support for the removal and treatment of the dredgings

The project required Augean to coordinate transport and achieve efficient turnaround times when handling the off-loading of the dredgings. This involved constant communication with site staff, specialist haulage contractor and the client to adapt to the characteristics of the dredgings that were excavated

Understanding the impact of water content within wet dredgings on turnaround times between sites, Augean managed the off-take requirements in a manner that met client expectations and transported, stored, treated and disposed of this difficult to handle material safely and securely



SIMILAR PROJECTS



Enva - Belfast (2020):

Transportation, treatment and disposal of c.3,000 tonnes of hazardous wastes offloaded from a vessel at Port Clarence Logistics

Bam Nuttall - Stokesley Flood Defence (2021):

Transportation, treatment and disposal of c.10,000 tonnes of non-hazardous river dredgings

Ebsford Environmental - River Freshney, Grimsby Maintenance Dredge (2022):

Treatment and disposal of c.5,000 tonnes of non-hazardous river dredgings

Land & Water - Marple Lock Stockport Clearance (2022):

Treatment and disposal of c.6,000 tonnes of non-hazardous canal dredgings

Land & Water - PD Ports RoRo Dredge (planned 2022):

Treatment and disposal of c.15,000-20,000 tonnes of hazardous and non-hazardous river dredgings



CEFAS ACTION LEVEL REVIEW



The Centre for Environment, Fisheries and Aquaculture Science (Cefas), on behalf and at the request of the Marine Management Organisation (MMO) and Department for Environment Food & Rural Affairs (Defra), released a report in 2020 reviewing the Action Levels associated with acceptable levels of contaminants for dredged materials to be disposed of at sea

This review highlights the disparity between the UK's Action Levels, set in 1994, and those set by less conservative countries such as Germany and Canada

Subsequently Cefas recommends a reduction in acceptable contaminant levels identified under Action Level 2 which is currently with the MMO and Defra for consideration

Should this take effect, the revised Action Levels will see an increase in samples failing to meet the minimum Action Level 2 criteria, especially with reference to PAHs, PCBs, DDTs & BDE

Augean is available to assist Port users and can provide an alternative route for dredgings, particularly those at risk of meeting the proposed revised Action Levels



Department
for Environment
Food & Rural Affairs



Marine
Management
Organisation

DREDGING PORTAL



- Augean has sponsored the creation of the THPUA Dredging Portal
- This portal provides members with an on-line tool to share information on upcoming and historical dredging projects along the Tees which will:
 - Assist members in coordinating dredging projects to reduce mobilisation costs
 - Enable members to compare project costs with comparable historic projects
 - Increase awareness of ongoing/upcoming activities on the Tees

DREDGING ACTIVITY PORTAL



NEXT STEPS



If you have any dredging projects, please feel free to get in contact to discuss how Augean can assist in terms of:

- Technical Analysis of dredged sediment
- Project Costs
- Dredging works
- Collection and Transportation
- Storage, Treatment, Recovery and/or Disposal

Joseph Newman

Business Development Manager – Construction

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SPECIALISTS IN MANAGING THE UK'S DIFFICULT TO HANDLE WASTES FOR:

 ENERGY FROM WASTE	 CONSTRUCTION	 NUCLEAR & RADIOACTIVE	 PROCESSING & MANUFACTURING	 OIL & GAS	 INDUSTRIAL CLEANING
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UK WASTE TREATMENT & DISPOSAL INFRASTRUCTURE FOCUSSED ON BEST ENVIRONMENTAL OUTCOMES