

**WHITES
RECYCLING**

**Technical Competence:
Jonathan Lloyd**

Qualifications:

- ✓ **BSc(Hons) Agriculture**
Wye College, London University
- ✓ **FACTS (Fertiliser Advisors Certification & Training Scheme) Certificate**
Certificate No. FE/4524
- ✓ **BASIS Certificate in Crop Protection**
Certificate No. E4738/ICM

Membership of Professional Bodies:

- ✓ Member of the Institute of Agricultural Management (MIAGrM)

Experience:

- ✓ 20 years working in Farm Management on several large scale arable and beef units. Doing 'in house' agronomy and nutrient management.
- ✓ Several years working with AD plants

Signed: _____

*Jonathan Lloyd. Agricultural Technical Advisor.
Whites Recycling Ltd*



Technical Competence:
CAROLINE WOODCOCK

Qualifications:

- ✓ **WAMITAB Operator Competence Certificate**
Treatment – Non-Hazardous Waste with or without Treatment
Certificate No. OCC67251
- ✓ **WAMITAB Operator Competence Certificate**
Mobile Plant for Land spreading
Certificate No. OCC67252
- ✓ **NEBOSH General Certificate in Occupational Health & Safety**
Gained at ATC Risk Management Services – With Credit
Certificate No. 299394/732207

Experience:

- ✓ Have worked in the role of Health, Safety, Environmental & Quality Officer at White's Recycling for 3 years covering all aspects of the business.
- ✓ Coming from a farming background I have a wealth of experience gained in general day to day farming procedures and practices.
- ✓ Over 20 years' experience working within the waste recycling industry, covering various roles including Transport Co-ordinator and Health, Safety, Environmental & Quality Officer.

Signed: 


Caroline Woodcock
HSEQ Officer
Whites Recycling

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>2334</p> <p>Accredited to ISO/IEC 17025:2005</p>	<p align="center">Natural Resource Management, a trading division of Cawood Scientific Limited</p> <p align="center">Issue No: 048 Issue date: 16 February 2018</p>	
	<p>Braziers Lane Bracknell Berkshire RG42 6NS</p>	<p>Contact: Dr Kieran McNally Tel: +44 (0)1344 898462 Fax: +44 (0)1344 890972 E-Mail: kieran.mcnally@nrm.uk.com Website: www.nrm.uk.com</p>
<p align="center">Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Address Braziers Lane Bracknell Berkshire RG42 6NS</p> <p>Local contact Dr Kieran McNally Tel: +44 (0)1344 898462 Fax: +44 (0)1344 890972 E-Mail: kieran.mcnally@nrm.uk.com</p>	<p>Analysis of soils, food and feed</p>	<p>A</p>
<p>Address Brecklands Estate Downham Road Swaffham PE37 7QE</p> <p>Local contact Dr Kieran McNally Tel: +44 (0)1344 898462 Fax: +44 (0)1344 890972 E-Mail: kieran.mcnally@nrm.uk.com</p>	<p>Analysis of soils</p>	<p>B</p>



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2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW16 3HR, UK

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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS	<u>Chemical Tests</u>	Documented In-House Methods:	
	Metals:	JAS-0510 (aqua regia hotblock extraction) and analysis by JAS-0300 (ICP-OES)	A
	Arsenic		
	Barium		
	Beryllium		
	Cadmium		
	Chromium		
	Cobalt		
	Copper		
	Lead		
	Molybdenum		
	Mercury		
	Nickel		
	Vanadium		
	Zinc		
	Selenium	JAS-0510 (aqua regia hotblock extraction) and analysis by JAS-0455 (hydride atomic fluorescence spectroscopy)	A
	Ammonium Lactate – extractable Ca K Mg P	Documented in-house method SOP JAS-628 (extraction) and JAS-300 (ICP-OES analysis)	A
	Dry Matter	Documented in-house method JAS-034 by gravimetry.	A
	Fluoride, 1:10 acid extractable	Documented in-house method JAS-487 by acid extraction and ISE.	A
	Loss on Ignition	Documented in-house methods JAS-494 (muffle furnace at 550°) and JAS-568 (thermogravimetric analyser at 430°) by gravimetry.	A
	pH	Documented in-house method JAS-630 by pH meter.	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods:	
	pH	JAS-0398 extraction in water (1:2.5) and analysis by potentiometry (pH meter)	B
	Magnesium (Available) Potassium (Available)	JAS-0544 (ammonium nitrate extraction) and JAS-0528 (determination by ICP-OES)	B
	Organic Matter by Loss on Ignition (500°C)	JAS-0529 by Gravimetry to meet the requirements of Irish SI No. 31 of 2014 Schedule 1	B
	Phosphorous (Available)	JAS-0543 (Olsens (sodium bicarbonate) extraction) and JAS-400 (determination by flow injection analysis)	B
	Extractable Phosphate	JAS-0545 (Morgans (sodium acetate) extraction) and JAS-0546 (determination by flow injection analysis) to meet the requirements of Irish SI No. 31 of 2014 Schedule 1	B
	Potassium Magnesium	JAS-0545 (Morgans (sodium acetate) extraction) and JAS-0527 (determination by ICP-OES)	B
	pH in Sikora Buffer extract	JAS-0490 extraction in Sikora Buffer and analysis by potentiometry (pH meter)	B
Sludges and compost	Metals: Arsenic Cadmium Chromium Copper Lead Manganese Mercury Molybdenum Nickel Selenium Zinc	Documented in-house methods JAS-533 (preparation), JAS-510 (digestion) and JAS-379 (ICP-MS analysis).	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Incinerator Bottom Ash (IBA)	<u>Chemical Tests</u> (cont'd) Metals: Copper Lead Nickel Zinc	Documented In-House Methods: JAS-0592 (sample preparation) JAS-0510 (aqua regia hotblock extraction) and analysis by JAS-0300 (ICP-OES) in accordance with ESA protocol UC9390.012	A
FOOD AND FEEDSTUFFS	<u>Chemical Tests</u>	Documented In-House Methods:	
Green Leafy Vegetables	Nitrate	JAS-0417 dry ice chop/cold water extraction and analysis by colorimetry	A
Feeds and Diets	Organochlorine Pesticides: Aldrin cis-Chlordane trans-Chlordane oxy-Chlordane 2,4'-DDD 4,4'-DDD 2,4'-DDE 4,4'-DDE 2,4'-DDT 4,4'-DDT Dieldrin alpha-Endosulfan beta-Endosulfan Endosulfan Sulphate Endrin Endrin Ketone alpha-HCH beta-HCH gamma-HCH Heptachlor cis-Heptachlor Epoxide Hexachlorobenzene Toxaphene	JAS-0519 using QuEChERS extraction and determination by GC-MS	A
END			