

**Development of Waste Treatment Facility, comprising Reception and Recycling Hall; Mechanical Biological Treatment (MBT) Facility; Advanced Conversion Technology (ACT) Facility; Power Generation and Export Facility; Education and Office Accommodation; Landscaping and, Access.**

Sinfin Lane, Derby

**Resource Recovery Solutions  
(Derbyshire) Ltd**

Environmental Statement



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Non-Technical Summary (Standalone Document)

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## Glossary

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<b>AADT</b>	Annual average daily traffic flow
<b>AC</b>	Ambient Concentration
<b>ACT</b>	Advanced Conversion Facility
<b>ADMN</b>	Acid Deposition Monitoring Network
<b>ADMS</b>	Atmospheric Dispersion Modelling System
<b>AOD</b>	Above Ordnance Datum
<b>APC</b>	Air Pollution Control
<b>APIS</b>	Air Pollution Information System
<b>APPLE</b>	Air Pollution Planning and the Local Environment
<b>AQAP</b>	Air Quality Action Plan
<b>AQMA</b>	Air Quality Management Areas
<b>AQS</b>	Air Quality Strategy
<b>As</b>	Arsenic
<b>ATC</b>	Automatic Traffic Count
<b>ATT</b>	Advanced Thermal Technology
<b>AVDC</b>	Amber Valley District Council
<b>BAT</b>	Best Available Techniques
<b>BATNEEC</b>	Best Available Techniques Not Entailing Excessive Cost
<b>BoCC</b>	Bird of Conservation Concern
<b>BMW</b>	Biodegradable Municipal Waste
<b>BPEO</b>	Best Practicable Environmental Option
<b>BPM</b>	Best Practicable Means
<b>BTO</b>	British Trust for Ornithology
<b>°C</b>	Degrees Celsius (unit of temperature)
<b>Cd</b>	Cadmium
<b>CDLP</b>	City of Derby Local Plan
<b>CEMP</b>	Construction Environmental Management Plan
<b>CHP</b>	Combined Heat and Power
<b>CIRIA</b>	The Construction Industry Research and Information Association
<b>CIRIA (C532)</b>	Control of Water Pollution from Construction Sites – Guidance for Consultants and Contractors.
<b>CO</b>	Carbon monoxide
<b>Co</b>	Cobalt
<b>CoCP</b>	Code of Construction Practice
<b>COPC</b>	Contaminants of potential concern
<b>Cr</b>	Chromium
<b>CRoW</b>	Countryside and Rights of Way
<b>CS2</b>	Characteristic Situation 2
<b>Cu</b>	Copper
<b>Cumulative effects</b>	the summation of effects that result from changes caused by a development in conjunction with other past, present or reasonably foreseeable actions.
<b>DATM</b>	Derby Area Traffic Model
<b>DCC</b>	Derby City Council
<b>DCMS</b>	Department of Culture, Media and Sport
<b>dB</b>	Decibel
<b>DDWLP</b>	Derby & Derbyshire Waste Local Plan
<b>Defra</b>	Department for Environment, Food and Rural Affairs
<b>DMRB</b>	Design Manual for Roads and Bridges
<b>DPD</b>	Development Plan Documents
<b>EALs</b>	Environmental Assessment Levels

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<b>EBC</b>	Erewash Borough Council
<b>EcIA</b>	Ecological Impact Assessment
<b>EfW</b>	Energy from Waste
<b>EIA</b>	Environmental Impact Assessment
<b>EIAG</b>	Environmental Impact Analysis Group
<b>EMDA</b>	East Midlands Development Agency
<b>EMS</b>	Environmental Management System
<b>Enhancement</b>	landscape Improvement through restoration, reconstruction or creation
<b>EPA 1990</b>	Environmental Protection Act 1990
<b>EPAQS</b>	Expert Panel on Air Quality Standards
<b>EPEQS</b>	Environmental Quality Standards
<b>EQS</b>	Environmental Quality Standard
<b>ES</b>	Environmental Statement
<b>EU</b>	European Union
<b>EMDA</b>	East Midlands Development Agency
<b>FB</b>	Fluidised Bed
<b>FGCS</b>	Flue Gas Cleaning System
<b>FGT</b>	Flue Gas Treatment
<b>Flood Zone</b>	Likelihood of flooding from rivers or sea.
<b>FRA</b>	Flood Risk Assessment
<b>GAC</b>	Generic assessment criteria
<b>GCN</b>	Great crested newt
<b>GOEM</b>	Government Office of East Midlands
<b>GQA</b>	General Quality Assessment
<b>GSV</b>	Gas Screening Values
<b>H2S</b>	Hydrogen sulphide
<b>HAP</b>	Habitat Action Plan
<b>HCl</b>	Hydrogen chloride
<b>HDV</b>	Heavy Duty Vehicle
<b>HER</b>	Historic Environment Register
<b>HF</b>	Hydrogen fluoride
<b>Hg</b>	Mercury
<b>HGV</b>	Heavy Goods Vehicle
<b>HHRAP 2005</b>	Human Health Risk Assessment Protocol
<b>HLC</b>	Historic Landscape Characterisation
<b>HMIP</b>	Her Majesty's Inspectorate of Pollution
<b>HRA</b>	Hydrogeological Risk Assessment
<b>HRSG</b>	Heat Recovery Steam Generators
<b>IEEM EcIA</b>	Institute of Ecology and Environmental Management
<b>IEMA</b>	Institute of Environmental Management and Assessment
<b>IoH124</b>	Institute of Hydrology Report 124
<b>IPPC</b>	Integrated Pollution Prevention and Control
<b>IRAP-h</b>	Industrial Risk Assessment Program-Human Health
<b>JCA</b>	Joint Character Area
<b>JMWMS</b>	Joint Municipal Waste Management Strategy
<b>K</b>	Kelvin (unit of temperature)
<b>km</b>	kilometre
<b>kPa</b>	kilopascal (unit of pressure)
<b>kph</b>	kilometres per hour (unit of speed)
<b>kW</b>	kilowatt
<b>LAeqT</b>	Rating Levels
<b>LA90,T</b>	Background Sound Level
<b>LAr,Tr</b>	Field rating level
<b>Landscape Character</b>	the distinct and recognisable pattern of elements that occurs consistently in a particular type of landscape, and how this is

<b>Landscape character type</b>	perceived by people. It reflects particular combinations of geology, landform, soils, vegetation, land use and human settlement. It creates the particular sense of place of different areas of the landscape. a landscape type will have broadly similar patterns of geology, landform, soils, vegetation, land use, settlement and field pattern discernible in maps and field survey records.
<b>Landscape effects</b>	change in the elements, characteristics, character and qualities of the landscape as a result of development. These effects can be positive or negative.
<b>Landscape sensitivity</b>	the extent to which a landscape can accept change of a particular type and scale without unacceptable adverse effects on its character.
<b>LATS</b>	Landfill Allowance Trading Scheme
<b>LBAP</b>	Local Biodiversity Action Plan
<b>LCA</b>	Local character area
<b>LTP2</b>	Local Transport Plan
<b>LWS</b>	Local Wildlife Site
<b>Magnitude</b>	a combination of the scale, extent and duration of an effect
<b>MAFF</b>	Ministry of Agriculture, Forestry and
<b>MBT</b>	Mechanical Biological Treatment
<b>MCC</b>	Manual Classified Counts
<b>MDR</b>	Maximum deposition rate
<b>MEP</b>	Members of European Parliament
<b>Micro Drainage WinDes</b>	Software suite used to calculate surface water runoff rates
<b>Mitigation</b>	measures, including any process, activity or design to avoid , reduce remedy or compensate for adverse landscape and visual effects of a development project.
<b>Mn</b>	Manganese
<b>MSW</b>	Municipal Solid Waste
<b>MWF</b>	Mixed Waste Fuel
<b>6g.m-3</b>	micrograms per cubic metre
<b>mg.m-3</b>	milligrams per cubic metre
<b>N</b>	prefix used to denote a normalised value
<b>NAEI</b>	National Atmospheric Emissions Inventory
<b>NAQIA</b>	National Air Quality Information Archive
<b>NE</b>	Natural England
<b>NERC</b>	Natural Environment and Rural Communities
<b>NGR</b>	National Grid Reference
<b>NH3</b>	Ammonia
<b>Ni</b>	Nickel
<b>NNR</b>	National Nature Reserve
<b>NO2</b>	Nitrogen Dioxide
<b>Nox</b>	Oxides of nitrogen
<b>NRTF</b>	National Road Traffic Forecasts
<b>NSR</b>	Noise sensitive receptor
<b>ODPM</b>	Office of the Deputy Prime Minister
<b>OEMP</b>	Operational Environmental Management Plan
<b>ONS</b>	Office for National Statistics
<b>OS</b>	Ordnance Survey
<b>%</b>	percent
<b>PAH</b>	Polycyclic Aromatic Hydrocarbons
<b>Pb</b>	Lead
<b>PC</b>	Process Contributions
<b>PCBs</b>	Polychlorinated biphenyls
<b>PCDDs – dioxins</b>	Polychlorinated dibenzo-p-dioxins
<b>PCDFs</b>	Polychlorinated dibenzofurans
<b>PCPA</b>	Planning and Compulsory Purchase Act 2004
<b>PCT</b>	Primary Care Trust
<b>PEC</b>	Predicted Environmental Concentrations
<b>PIA</b>	Personal Injury Accident

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<b>PM10</b>	Fine particulate matter less than 10 6m in diameter
<b>PM2.5</b>	Fine particulate matter less than 2.5 6m in diameter
<b>PM0.1</b>	Fine particulate matter less than 0.1 6m in diameter
<b>PMP</b>	Project Management Plan
<b>POP</b>	Persistent Organic Pollutan
<b>PPG</b>	Pollution Prevention Guidelines
<b>PPG1</b>	General Guide to the Prevention of Pollution
<b>PPG3</b>	Use and Design of Oil Separators in Surface Water Drainage Systems
<b>PPG 5</b>	Pollution Prevention Guidelines Note 5: Working in, near or liable to affect watercourses
<b>PPG 6</b>	Pollution Prevention Guidelines Note 6: Working at Construction and Demolition Sites
<b>PPG8</b>	Safe Storage and Disposal of Used Oils
<b>PPG13</b>	Planning Policy Guidance 13: Transport
<b>PPG14</b>	Planning Policy Guidance
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<b>PPG16</b>	Planning Policy Guidance 16: Archaeology and
<b>PPG18</b>	Managing Fire Water and Major Spillages
<b>PPG20</b>	Dewatering of Underground Ducts and Chambers
<b>PPG21</b>	Pollution Incident Response Planning
<b>PPG24</b>	Planning Policy Guidance Note 24: Planning and Noise
<b>PPP</b>	Private Public Partnership
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<b>PUA</b>	Principal Urban Areas
<b>RAIS</b>	Risk Assessment Information System
<b>RCV</b>	Refuse Collection Vehicles
<b>RDF</b>	Refuse Derived Fuel
<b>Receptor</b>	Physical landscape resource, special interest or viewer group that will experience an effect.
<b>RfC</b>	Reference Concentration
<b>RfD</b>	Reference Dose
<b>RRS</b>	Resource Recovery Solutions (Derbyshire) Ltd
<b>RSPB</b>	Royal Society for the Protection of Birds
<b>RSS</b>	Regional Spatial Strategy
<b>RSS8</b>	The East Midlands Regional Plan
<b>RTAB</b>	Regional Technical Advisory Bodies
<b>RTS</b>	Regional Transport Strategy
<b>SO<sub>2</sub></b>	Sulphur Dioxide
<b>SA</b>	Sustainability Appraisal
<b>SAAR</b>	Standard Average Annual Rainfall
<b>SAC</b>	Special Area of Conservation
<b>SAP</b>	Species Action Plan
<b>Sb</b>	Antimony
<b>SCM</b>	Site Conceptual Model
<b>SDDC</b>	South Derbyshire District Council
<b>SFMSC</b>	Sites for More Sustainable Communities DPD
<b>SGVs</b>	Soil guideline values
<b>SMC</b>	Scheduled Monument Consent
<b>SMR</b>	Scheduled Monument Register
<b>SMS</b>	Sustainability Management System

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<b>SPA</b>	Special Protection Area
<b>SPD</b>	Supplementary Planning Document
<b>SPG</b>	Supplementary Planning Guidance
<b>SPZ</b>	Source Protection Zone, Risk of contamination from activities that might cause pollution in the area.
<b>SRI</b>	Sound Reduction Index
<b>SSAC</b>	Specific Assessment Criteria
<b>SSSI</b>	Site of Special Scientific Interest
<b>SUDS</b>	Sustainable Drainage System
<b>SW</b>	Scott Wilson
<b>SWMP</b>	Site Waste Management Plan
<b>TDI</b>	Tolerable Daily Intake
<b>TEQ</b>	Toxic equivalence
<b>TI</b>	Thallium
<b>TOC</b>	Total organic carbon
<b>TOMPS</b>	Toxic Organic Micro-Pollutants
<b>tpa</b>	Tonnes per annum
<b>UK BAP</b>	UK Biodiversity Action Plan
<b>ULSD</b>	Ultra low sulphur tax exempt diesel
<b>USA</b>	Updating and Screening Assessment
<b>USEPA</b>	United States Environment Protection Agency
<b>UU</b>	United Utilities
<b>UXO</b>	Unexploded Ordnance
<b>V</b>	Vanadium
<b>VER</b>	Valued ecological resource/receptor
<b>Visual envelope</b>	Extent of potential visibility to or from a specific area or feature.
<b>VOCs</b>	Volatile Organic Compounds
<b>WCA</b>	Waste Collection Authority
<b>WCS</b>	Waste Core Strategy
<b>WDA</b>	Waste Disposal Authority
<b>WHO</b>	World Health Organisation
<b>WID</b>	Waste Incineration Directive
<b>WRRH</b>	Waste Reception and Recycling Hall
<b>WS2000</b>	Waste Strategy 2000
<b>WS2007</b>	Waste Strategy 2007
<b>WtE</b>	Waste-to-Energy
<b>WTF</b>	Waste Treatment Facility
<b>ZVI</b>	Zone of visual influence - sometimes referred to as zone of theoretical visibility (ZTV).
<b>ZTV</b>	Zone of Theoretical Visibility
<b>ZVI</b>	Zone of Visual Influence