
**SPELTHORNE
BOROUGH COUNCIL**

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1.1 Introduction

Spelthorne Borough Council (Spelthorne) in the north east of the County of Surrey shares its borders with two other Surrey Boroughs (Elmbridge and Runnymede), Slough and two London Boroughs (Richmond and Hounslow).

It is a largely urban Borough covering an area of approximately 4,500 hectares with the main urban centres being Ashford, Shepperton, Staines, Stanwell and Sunbury. The population of the Borough is approximately 90,390 housed in approximately 40,000 properties. Just over 20% of these properties are flats or multi-occupancy properties (8,490) requiring different solutions for the waste and recycling collection services.

1.2 Current Waste Service

Waste (residual and recycling) is collected by Spelthorne's in-house Direct Services (DS) and no end date for the contract is specified. Spelthorne provided a weekly domestic collection service for waste until September 2007. Spelthorne did not provide any sacks or bins for residents but requested they used black sacks wherever possible. In July 2004 the change was made from a 'back-door' collection service, where waste operatives collect waste placed at the back door or other reasonable location of a resident's property to a kerbside collection service, where operatives are asked to only collect waste that has been moved outside property boundaries and placed at the kerbside.

In 2006 the decision was made to change the service in order to enhance recycling rates. Based on experiences from other authorities it was decided to develop an easy to use service which encouraged residents to recycle. As a result an alternate weekly rubbish and recycling service was introduced in September 2007. Residents have two 240l bins one for rubbish and one for recycling (paper, cardboard, cans, plastic bottles and glass) collected on alternate weeks.

Spelthorne offers assisted collections to elderly, infirm and disabled residents. This involves operatives collecting bins from the back door rather than the kerbside. Currently, around 500 householders have opted for this service. The introduction of the new service brought to our attention a number of individuals who should have been on assisted collections under the old service. This has resulted in an increased number of assisted collections.

The fleet of vehicles currently used by Spelthorne for the waste collection service are 'owned' on lease terms for three years. Therefore, there is no overall lease expiry date. Spelthorne operates 7 domestic waste rounds using five 26 tonne Refuse Collection Vehicles (RCVs), with each of the front-line RCV being crewed by a driver and two loaders. The operatives work a 36 hour week. There is also a weekly collection vehicle servicing those properties, mainly flats, which cannot yet be moved on to the new system due to the need for reconfiguration on bin areas.

The rubbish service is provided fortnightly for most residents with those vehicles usually tipping 1 to 1.5 times. For recycling the tips can be 1 or 2 per day depending on load at the materials recovery facility at Colnbrook. .

1.3 Waste Recycling Service

1.3.1 Dry Recyclables Collections

Spelthorne currently offers a fortnightly dry recyclables collection service to most properties except those flats (now about 5,000) that cannot be on the alternate weekly system. Prior to September Abitibi Consolidated Recycling Europe (Abitibi) provided a fortnightly recycling collection service under its contract with Spelthorne. Spelthorne provided each household with three containers and residents were requested to separate targeted dry recyclables into these containers, as below:

• 55 litre re-usable blue box -	Mixed cans and glass bottles and jars;
• Blue re-usable bag -	Mixed paper; and,
• Red/white sack -	Textiles and shoes.

Operatives emptied all these containers in one visit, the different containers merely kept the materials separate to facilitate easier sorting and preserve the quality of the material. Operatives manually picked up containers and sorted the dry recyclable materials by hand into different compartments in the main body of the collection vehicle.

However, this system had inherent health and safety issues in terms of manual handling and also participation was relatively low leading to a recycling rate of just 18% whereas our target was 30% in 06/07.

Therefore in developing a new system, Spelthorne wanted a system that was easy for residents to use and would encourage them to recycle. Thus the Council decided to introduce a twin bin system with recyclables in one bin and residual rubbish in the other. The new system added plastic bottles and cardboard to the recyclables that could be taken. This new system has boosted recycling rates to 32% for dry recyclables.

However, the new system cannot take textiles or foil. Residents are requested to take textiles to the bank sites or the civic amenity site at Charlton Lane. For foil the council hopes to introduce some containers at bank sites otherwise foil can be taken to the at Charlton Lane

1.3.2 Green Waste Collections

Spelthorne offers a green waste collection service for garden waste to approximately 32,000 (81.4%) properties.

Residents are required to purchase biodegradable sacks from Spelthorne at a cost of £0.40 per sack, which can be purchased from Council offices, libraries and day centres. They can also be bought on-line or over the telephone using a credit card. They are asked to place these sacks at the kerbside on a specified day for collection by operatives.

Residents receive a weekly collection for eight months of the year, between March and November. Between December and February, residents can contact the council to request a garden waste collection.

The service is operated by a dedicated crew which consists of a driver and one loader and use a standard 26 tonne RCV vehicle.

The level of productivity stated for this garden waste round suggests that currently the participation rate is low; otherwise this level of productivity would not be physically possible within the legal and logistical limitations of an RCV. It is intended to review this service in 2008.

Table 1.1 Spelthorne Biodegradable Waste Collection Vehicles

Type of Vehicle	Number of Vehicles	Payload	Owned by Council/Contactor/ Lease
26 tonne RCV	1	10 tonne	Lease

1.3.3 Bring Sites

Spelthorne operates a network of 26 bring sites where residents can take their recyclable materials. At the bring sites Spelthorne provide recycling banks, into which residents can separate and place glass, mixed cans, newspapers and magazines, shoes and textiles, compact discs and books.

The banks are serviced by a number of different collectors:

- Paper - Abitibi Consolidated Recycling Europe
- Glass - previously Arkeco but since Nov 05 collected by Direct Svcs
- Cans - Firbank Chiltern, due to be Direct Services
- Textiles - Scope
- Shoes - European Recycling Company
- Books and CDs - Oxfam

1.3.4 Civic Amenity Sites

The nearest Civic Amenity (CA) site to Spelthorne residents is at Charlton Lane in Shepperton. This facility is provided by Surrey Waste Management (SWM) under its contract with the Surrey County Council (SCC). This site is set up to allow for the segregation of the following materials:

- Glass
- Cans
- Newspapers and magazines
- Clothing and textiles
- Cardboard and mixed paper
- Bric-a-brac
- Car batteries
- Fire extinguishers
- Foil
- Fridges and freezers
- Garden waste
- Gas cylinders

- Hardcore and rubble
- Scrap metal
- Asbestos
- Engine oil and filters
- Mobile phones
- Chemical waste

1.3.5 Materials End Markets and Disposal

The recyclable materials collected by the kerbside collection service are delivered to the materials recovery facility at Colnbrook and operated by Grundons. From that site materials are sent to different re-processors, The quality of materials received from the collection service is good with relatively little contamination. .

1.4 Bulky Waste Collection Service

Spelthorne will collect large and heavy waste items from householders through a chargeable bulky waste collection service, such as fridge freezers, beds, cookers and mattresses. There is a charge of £32 for up to three items and £5 per extra item. Those in receipt of "income support or pension credit" will have the first three items collected at a reduced rate of £21. This will apply to one collection per 12 months.

The service is operated five days per week. At present no specific vehicle or personnel resource is allocated to the bulky waste collection service. Bulky waste items are collected by any suitable vehicle for example the round which is generally dedicated to collecting fly tipped material. The current waiting period for a bulky waste collection is approximately two weeks.

Currently, no bulky waste is sent to be recycled by Spelthorne, except refrigerators.

1.5 Commercial Waste

Spelthorne no longer offers a commercial waste service to commercial customers within the district.

1.6 Additional Information

Spelthorne provides a clinical waste collection service to residents which are referred to Spelthorne by the District Nurse. This service is provided weekly and is used to collect sharps boxes and clinical bags. After collection clinical waste is delivered to Grundon Waste Management Services in Colnbrook.

1.7 Current Waste Disposal Contract Arrangements

In September 1999, SCC entered into a contract with SWM to provide waste management services for a period of 25 years. SWM is a wholly owned subsidiary company of SITA (UK) one of the largest waste management companies operating in the UK.

The contract requires SWM to:

- Operate the 15 CA Sites and 3 Waste Transfer Stations within the County;

- Provide facilities to deal with all the waste delivered by the eleven Borough and District Councils and CA sites;
- Develop facilities to deal with recyclable materials collected by the Borough and District Councils and CA sites within Surrey; and
- Recover value from 40% of all household waste produced in Surrey by 31 March 2007.

At the Leatherhead and Guildford Waste Transfer Stations, large bays have been constructed to provide local points where Surrey waste collection authorities can deliver recyclable materials collected from householders and recycling banks. A third facility has also been constructed at Shepperton which uses equipment to separate mixed recyclable materials (currently only mixed plastic and cans).

1.8 Controlled Wastes to be Collected

Table 1.5 shows the arisings of controlled waste expected to be collected in Spelthorne between 2005 and 2009.

In calculating and extrapolating municipal waste growth for the periods of this Action Plan, Entec has assumed an annual waste growth of 0.5% from 2005/06 onwards. Waste arisings have fluctuated in recent years however recent waste growth projections indicate that this lower growth rate could be achieved (Supplementary Report 1 to the JMWMS).

Table 1.5 Controlled Wastes

Waste Stream	2002/03 (t/pa)	2003/04 (t/pa)	2004/05 (t/pa)	2005/06* (t/pa)	2006/07 (t/pa)	2007/08 (t/pa)	2008/09 (t/pa)
Domestic mixed waste	27,900	28,757	28,566	27,323	27774.6 8	23637.5	
Commercial waste	Data not available	4,000	3,345	3,331	3066.92	2471.19	
Street sweepings	3,181	3,308	3,220	2,115	2682.26	1961	
Bulky waste	<i>Included in mixed waste tonnage</i>						
Clinical waste	Data not available	30	26	26.25	21.87	22.55	
Recyclable material	5,278	5,272	4,971	5,674	6012.45	8395	
Compostable material	0	0	48	921	835.04	710	
Recycling and composting rate (%)	14.5	14.10	13.9	17.8	20%	32%	
Total arisings	36,359	41,367	40,176	35,792	35,971	36,151	36,332

N.B. Values rounded to nearest tonne. Figures in red are estimates – still awaiting Mar '08 data.

** Total arisings for 2005/06 are based on provisional data from Supplementary Report 1 to the JMWMS, and will be updated in line with final audited figures.*

1.9 Controlled Waste to be Dealt with for Recycling Purposes

Table 1.6 shows the quantities of controlled waste that Spelthorne expects to collect for recycling during the period of this plan.

Spelthorne reported a recycling rate of 18% for 2005/06, but with the introduction of the new service we have seen the recycling rate increase to about 32%.

There have been various studies undertaken of potential recycling and composting rates which could be achieved across Surrey. These are summarised in Supplementary Report 4 (SR-4 to the JMWMS). The levels of future service performance will critically depend upon public participation and support, and will be updated in light of agreed service alterations.

Table 1.6 Projected Quantities of Waste to be Collected for Recycling for the Period 2004-2009

Material	2002/03 (t/pa)	2003/04 (t/pa)	2004/05 (t/pa)	2005/06 (t/pa)	2006/07 (t/pa)	2007/08 (t/pa)	2008/09 (t/pa)
Paper	3,914	3,718	3,537	3,680	3,574	2,044	
Glass	1,036	1,092	1,002	549	1,702	915	
Cans	33	75	107	259	340	95	
Textiles	231	270	265	69	221	206	
Cardboard	0	0	0	0	0	0	
Oil	0	0	0	0	0	0	
Plastic (bottles only)	0	0	0	0	0	0	
Co-mingled kerbside collected material	0	0	0	0	0	5040	
Total	5,214	5,155	4,911	4,557	5837	8300	

N.B. Values rounded to nearest tonne. Figures in red are estimates – still awaiting Mar '08 data.

Summary Sheet – Spelthorne Borough Council

General

Demographic	Value
Size of Authority	4,500 ha
Population	90,390
Number of properties	40,305
Number of multi-occupancy properties	8,490
Rural population	None

Waste Services

Service	Description
Waste collection contractor	Spelthorne Direct Services
Container(s) provided	None
Collection frequency	Weekly
Tonnage 2004/05	27,943

Recycling Services

Service	Targeted materials	Container(s)	Contractor(s)	Other Details
Kerbside sort – recyclables	Mixed paper, glass, mixed cans, cardboard, plastic bottles	240l wheeled bin	Direct Services	Fortnightly collection
Green waste	Garden waste only	Biodegradable sacks	Spelthorne Direct Services	Weekly (Mar-Nov) On demand (Dec – Feb)
Bring sites	Glass, paper, cans, , textiles, books and CDs	Banks	Various	26 sites

Other Controlled Waste Services

Service	Description
Bulky waste collection	£32.00 up to 3 items. £5.00 each additional.

Clinical waste collection

Sharps boxes and clinical bags for any residents referred by the District Nurse.

Statistics and Targets

Data	Figure
2005/06 Statutory Recycling target	30%
BVPI 84 - Kg of waste collected per head of population	405 (06/07)
2006/07 recycling rate	19.35%
Current recycling rate	32%
Achievable recycling target for 2009	36%.

WASTE ACTION PLAN SPELTHORNE BOROUGH COUNCIL

The Way Forward Policy [Policy 1]:						
Action	Resources	Outcome Measurement /	Responsibility	Milestone Dates	Agreed Funded /	Priority
What are you going to do?	What's needed to carry out the action	What will it achieve and how will it be measured?	Whose responsibility is it to carry out the action?	By When?	Does it have political / financial backing?	High Med or Low?
Eg: Joint Working Mechanisms	Part of SLGA member and waste officer group	Route to partnership e.g. joint procurement, Memorandum of Understanding	Head of Environment Services	MoU September 08	Y	High
Eg : Community Partnerships	Staff member	Reduction in business and schools waste	Recycling Officer	2010		High
Eg: Review and report on plan	Staff member	Annual report	Head of Environment Service	31.3.09	Y	Medium
Other						
Waste Awareness Policy [Policy 2]:						
Action	Resources	Outcomes / Measurement	Responsibility	Milestone Dates	Agreed / Funded	Priority
Eg: Reduce waste domestically and commercially	Work in partnership across Surrey	Reduction in kg of residual waste per household	Head of Environment Service	31.07.08		High
Eg: Participate Nat Campaigns	Work in partnership with Surrey	As above				
Eg: Use of Sustainable products and services	Work re Sustainable	Purchase of green goods and services	Procurement Board	31.8.08		High

	Procurement Board					
Eg: Schools program	Waste Support Officer	Schools on alternate weekly and rubbish and recycling system	Waste Support Officer	31.7.08	Funding for post ends	High
Other						
Waste Minimisation Policy [Policy 3]:						
Action	Resources	Outcomes Measurement /	Responsibility	Milestone Dates	Agreed Funded /	Priority
Eg: Change behaviour of consumer purchasing programs	Working in partnership across Surrey and joining in relevant campaigns/groups	Reduction in waste going to landfill	Head of Environment Service/SLGA Surrey Waste Officers Group			Medium
Eg: Diversion of bulky items	As above					
Eg: Re-Use events	As above					
Eg: Partnerships with waste min volunteer groups etc.	As above					
Other						
Waste Recycling & Composting Policy [Policy 4]:						
Action	Resources	Outcomes Measurement /	Responsibility	Milestone Dates	Agreed Funded /	Priority
Eg: Develop collection systems	Internal to Spelthorne	Improved garden Waste Collection scheme Investigation and business case for kitchen waste collections	Head of Environment Service			High

Eg: Improved CA Sites	Surrey County Council					
Eg: provision of appropriate facilities	Internal resources	Improvement of Bank sites		30.6.08		Medium
Eg: Liase with partners to introduce /change services	Work of SLGA Waste Officers group	Memorandum of Understanding and further investigation of partnerships		30.10.08		High
Other						
Residual Waste Treatment [Policy 5]:						
Action	Resources	Outcomes Measurement	/	Responsibility	Milestone Dates	Agreed Funded / Priority
Eg: New transfer centres	Surrey County Council					
Eg: recycle commercial waste collected	As above					
Eg: New treatment facilities	As above					
Other						

Trigger Point One:

EG: Action X needs to take place before Action Y can happen. If action X does NOT occur then we would need to look at Action Z instead