ATTACHMENT A NON TECHNICAL SUMMARY

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A.1 Non-Technical Summary of Waste Licence Application

This non technical summary includes the information on those aspects outlined in the Guidance Note and the requirements of Article 12 (1) (u) of the Waste Management (Licensing) Regulations, S.I. 395 of 2004.

(a) give the name, address and, where applicable, any telephone number and telefax number of the applicant (and, if different, the operator of the facility concerned), the address to which correspondence relating to the application should be sent and, if the applicant or operator is a body corporate, the address of its registered office or principal office,

The applicant for this Waste Licence is The Recycling Village Limited.

The RecyclingVillage Ltd Unit 21
Duleek Business Park
Duleek
Co Meath.

Tel: 041-6862366 Fax: 041-6862367

e-mail: admin@therecyclingvillage.ie

The location of the site that is the subject of this Waste Licence application is indicated by the red X on the attached Site Location Map B1.

The site that is the subject of this waste Licence application is outlined in Red on the attached Site Boundary Map B2. The grid reference for the approximate centre of site is E70521, N76941. The area of the site is approximately 6,313m² (1.56 acres).

The normal operating hours and days per week of the activity are as follows;

Hours of Operation.

∞	Monday	06:00-21:00
∞	Tuesday	06:00-21:00
∞	Wednesday	06:00-21:00
∞	Thursday	06:00-21:00
∞	Friday	06:00-21:00
∞	Saturday	06:00-21:00
∞	Bank Holiday	06:00-21:00

Hours of Waste Acceptance & Handling.

∞	Monday	07:00-19:00
∞	Tuesday	07:00-19:00
∞	Wednesday	07:00-19:00
∞	Thursday	07:00-19:00
∞	Friday	07:00-19:00

Saturday 07:00-19:00Bank Holiday 07:00-19:00

(b) give the name of the planning authority in whose functional area the relevant activity is or will be carried on,

The planning authority is Meath County Council.

County Hall Navan Co Meath

Tel: 046-9097000 Fax: 046-9097001

(c) in the case of a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority, give the name of the sanitary authority in which the sewer is vested or by which it is controlled,

The Recycling Village Ltd currently operates the existing facility under Waste Permit WFP/MH/11/0005/01 issued by Meath County Council on 5th August 2011. There are no process effluent discharges from the facility to sewer. However, there is an existing storm water/yard run off discharge from the site to Meath County Council sewer via an interceptor sump.

The quality of yard run off discharge is currently controlled under Clauses 6.3, 7.2 and 7.3 of Waste Permit WFP/MH/11/0005/01. A copy of the Waste Permit is provided in Attachment B3.

The sanitary authority is: Meath County Council

County Hall Navan Co Meath

Tel: 046-9097000 Fax: 046-9097001

(d) give the location or postal address (including, where appropriate, the name of the townland or townlands) and the National Grid reference of the facility or premises to which the application relates,

The location and postal address of the facility is;

Unit 21
Duleek Business Park
Duleek
Co Meath.

Tel: 041-6862388

Fax: 041-6862367

e-mail: admin@therecyclingvillage.ie

The grid reference for the approximate centre of site is E70521, N76941. The area of the site is approximately 6,313m² (1.56 acres).

(e) describe the nature of the facility or premises concerned, including the proposed capacity of the facility or premises and, in the case of an application in respect of the landfill of waste, the requirements specified in Annex 1 of the Landfill Directive,

The Recycling Village Ltd operates an existing WEEE and battery recycling facility at the current location under Waste Permit (WFP-MH-11-0005-01) issued by Meath County Council. Due to an increase in business and projected throughput, The Recycling Village Ltd needs to increase its WEEE and battery intake capacity to 15,000 tonnes per year.

(f) specify the class or classes of activity concerned, in accordance with the Third and Fourth Schedules of the Act and, in the case of an application in respect of the landfill of waste, specify the class of landfill in accordance with Article 4 of the Landfill Directive,

The classes of activity in accordance with the Third & Fourth Schedules of the Waste Management Acts 1996 to 2010, as amended by the European Communities (Waste Directive) Regulations, 2011, to which the application relates are;

Principal activity – R12 - Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11).

R13 Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).

R 4 - Recycling/reclamation of metals and metal compounds.

(g) specify, by reference to the relevant European Waste Catalogue codes as presented by Commission Decision 2000/532/EC of 3 May 2000 11, the quantity and nature of the waste or wastes which will be treated, recovered or disposed of,

WASTE	EWC & DESCRIPTION	Tonnes Per Annum (Existing)	Tonnes Per Annum (Proposed)	Disposal/ Recycling
Batteries	20 01 33* Batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	1,500	3,500	Recycling
Batteries	20 01 34 Batteries and accumulators other than those mentioned in 20 01 33	1200 o 1200	500	Recycling
WEEE	16 02 13* Discarded equipment containing hazardous components (16) other than those mentioned in 16 02 09 to 16 02 12	of airy 400	1,000	Recycling
WEEE	16 02 15* Hazardous components removed from discarded equipment	200	500	Recycling
WEEE	20 01 35* Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 containing hazardous components.	2,900	7,000	Recycling
WEEE	16 02 14 discarded equipment other than those mentioned in 16 02 09 to 96 02 13 16 02 16 components removed from discarded equipment other than those mentioned in 16 02 15 20 01 36 discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	800	2,500	Recycling
	TOTAL	6,000	15,000	Recycling

(h) specify the raw and ancillary materials, substances, preparations, fuels and energy which will be utilised in or produced by the activity,

Material	Nature of Use	of Use Annual Use	
Electricity	Site Power	165600 kWh	0
Water	Domestic/potable	600m ³	0
Diesel	Forklift	2,700 litres	0
Baling Wire	Baling Plastic	120 units	4 units
Shrink Wrap	W r a p p i n g Consignments	360 units	12 units

IBC Bags	Storing/Shipping	1000 units	
	Consignments		
Pallets	Storing/Shipping	1200 units	100 units
	Consignments		
Strapping	Securing	12 units	1 unit
	Consignments		
Air Extraction	Filtering air emissions	84 units	8 units
Filters			

(i) describe the plant, methods, processes, ancillary processes, abatement, recovery and treatment systems and operating procedures for the activity,

The Recycling Village Ltd provides a recycling service for WEEE including TV monitors, PC monitors, mixed WEEE, small domestic appliances (eg. hairdryers, toaster, kettles etc), lead acid and other batteries. The above WEEE is generated at civic amenity sites and dedicated WEEE collection points as part of the WEEE compliance schemes. The company has also a number of business customers and arranges for the collection and delivery of a similar type material.

The WEEE is delivered to The Recycling Village Ltd facility by licensed third party contractors. The facility does not accept deliveries of WEEE from the general public. TV and PC monitors are manually processed and dismantled to separate the cathode ray tube (CRT) and outer unit/case. The CRT's are segregated into panel and funnel glass and processed separately through specialised glass cleaning equipment. The recovered fractions include glass, thetal and plastics. These materials are segregated, bulked and stored on site prior to transport off site for further processing and recycling. The Recycling Village Ltd also dismantles and shreds small domestic appliances (SDA) in order to recover additional recyclable materials including metals and plastics. The equipment used to segregate and recycle the SDA WEEE fraction includes a small shredder, conveyor and magnet.

Batteries are sorted, segregated and repackaged prior to transport off site for further processing and recycling. The Recycling Village Ltd also provides a secure data destruction and recycling service for hard drives, data storage & IT equipment.

The above operations increase the recycling rate of WEEE entering the facility and help to achieve National WEEE recycling targets.

(j) provide information for the purpose of enabling the Agency to make a determination in relation to the matters specified in paragraphs (a) to (e) of section 40(4) of the Act,

The following information is given in response to the requirements of Section 40 (4) (a) to (e) of the Waste Management Acts, 1996 to 2010.

(a) any emissions from the recovery or disposal activity in question ("the activity concerned") will not result in the contravention of any relevant standard, including

any standard for an environmental medium, or any relevant emission limit value, prescribed under any other enactment,

Environmental emissions monitoring surveys that have been carried out at the previous and current facilities operated by The Recycling Village Ltd as required by waste permit conditions, have shown that there are no adverse environmental impacts from the facility.

In order to demonstrate that all site emissions will comply with relevant standards and limits, The Recycling Village Ltd will implement an emissions monitoring programme at the facility as directed by the Agency and proposed in Attachment F of this application.

(b) the activity concerned, carried on in accordance with such conditions as may be attached to the licence, will not cause environmental pollution,

The Recycling Village Ltd is an established waste management company specialising in the dismantling, processing and recycling of waste electrical and electronic equipment (WEEE), in particular CRTs from Televisions, monitors and batteries.

The Recycling Village was established by Director Noel Madden in 2004 in response to the WEEE Directive, 2003. Noel had 15 years experience of operating and managing successful waste management & recycling businesses and prior to establishing The Recycling Village Ltd, Noel was a founder of waste management company Kerbside Dublin.

The Recycling Village Ltd has been issued with a number of previous Waste Permits by Louth County Council to operate a former WEEE recycling facility in Tenure, Drogheda, including WFP-LH-10-0010-01, WP 2007/20 expired 11/01/11 and WP 2004/15 expired on 10/01/08.

The Company relocated to larger, more suitable premises in Duleek in mid 2011 and operates the facility in accordance with Waste Permit WFP-MH-11-0005-01 issued by Meath County Council on 5th August 2011.

The waste activities that will be carried out under the proposed Waste Licence as detailed in this waste licence application will be the same as those activities that are currently carried out by The Recycling Village Ltd. Environmental emissions monitoring surveys that have been carried out at the current facility as required by waste permit conditions have shown that there are no adverse environmental impacts from the facility.

Consequently, it is contended that there will be no expected environmental pollution from the activities that will be carried out by The Recycling Village Ltd. Furthermore, The Recycling Village Ltd has the proven expertise and resources to run an efficient, sustainable and profitable business in full compliance with all relevant environmental requirements and waste management legislation.

(c) the best available technology not entailing excessive costs will be used to prevent or eliminate or, where that is not practicable, to limit, abate or reduce an emission from the activity concerned,

Environmental emissions monitoring surveys show that there are no adverse environmental impacts from the facility.

In order to demonstrate that all site emissions will comply with relevant standards and limits, The Recycling Village Ltd will implement an emissions monitoring programme at the facility as directed by the Agency and proposed in Attachment F of this application.

Where emissions are found to be above relevant standards, The Recycling Village Ltd will take all necessary steps to identify the source/cause of the elevated emissions and take all necessary and reasonable steps to reduce emissions to comply with relevant standards, including implementation of BAT and taking into consideration other Agency guidelines and relevant sources of information.

(d) if the applicant is not a local authority, the corporation of a borough that is not a county borough, or the council of an urban district, subject to subsection (8), he or she is a fit and proper person to hold a waste licence,

Neither Mr Noel Madden, nor any employee or person related to The Recycling Village Ltd has been convicted under the Waste Management Acts 1996 to 2003, the EPA Act 1992 & 2003, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.

The Recycling Village Ltd was established in 2004 by Noel Madden in response to the WEEE Directive, 2003. Noel has over 30 years business experience, the past 20years spent operating and managing successful waste management & recycling businesses. Prior to establishing The Recycling Village Ltd, Noel was a founder of waste management company Kerbside Dublin.

The Recycling Village Ltd currently employees 31 staff, including a fully trained Facility Manager who has appropriate Waste Management and Recycling qualifications. Furthermore, The Recycling Village Ltd retains the services of a specialist waste management consultancy (WEML) who have over 20 Years experience in the waste management industry.

The Recycling Village Ltd has been issued with a number of Waste Permits by Louth County Council (WFP-LH-10-0010-01, WP 2007/20 and WP 2004/15) and currently Meath County Council (WFP/MH/11/0005/01).

Consequently, it is contended that The Recycling Village Ltd has the proven expertise, knowledge, skills, technical ability and resources to run an efficient, sustainable and profitable business in full compliance with all relevant environmental and waste management legislation and Waste Licence conditions.

The Recycling Village Ltd has been in operation for 8 years and has continued to expand as the demands for WEEE recycling facilities and services has grown. Turnover for the previous three years is summarised below.

Year	Turnover
2012	€2,500,000 (estimated)
2011	€2,293,000
2010	€1,846,000
2009	€1,100,000

The Recycling Village Ltd will establish a bond or insurance policy to cover the costs of potential environmental pollution and decommissioning on receipt of a Waste Licence from the Agency.

Consequently, it is contended that The Recycling Village Ltd has the financial ability to meet any commitments or liabilities associated with the granting of a Waste licence.

(e) the applicant has complied with any requirements under section 53.

The Recycling Village Led commits to providing the Agency with any information sought as requested under this clause including;

(i) such particulars in respect of such matters affecting his or her ability to meet the financial commitments or liabilities that the Agency reasonably considers will be entered into or incurred by him or her in carrying on the activity to which the licence relates or will relate, as the case may be, in accordance with the terms of the licence or in consequence of ceasing to carry on that activity as it may specify,

and

- (ii) evidence of having so made, such financial provision as it may specify (which may include the entering into a bond or other form of security) as will, in the opinion of the Agency, be adequate to discharge the said financial commitments or liabilities.
- (k) give particulars of the source, location, nature, composition, quantity, level and rate of emissions arising from the activity and, where relevant, the period or periods during which such emissions are made or are to be made,

Emission	Source	Nature	Composition & Quantity	Period of Emission
Air – Point	CRT	Air exhaust	Dust & Heavy Metals.	Approx 8 hours
Source (A1)	Dismantling Area	emission	Quantity to be determined	per day
Air – Point	FPD	Air exhaust	Dust & Heavy Metals.	Approx 8 hours
Source (A2)	Dismantling	emission	Quantity to be determined	per day
	Area			
Dust	Yard/Traffic	Dust	$Dust < 350 mg/m^2/day$	Continuous
Deposition		Deposition		
(D1-D4)				
Yard run off	Yard/Rainwater	Water	Water quality as per Waste	During rainfall
(SW1)			Permit conditions	
Noise	Process	Noise	dBA (Laeq) - Range approx	Approx 8 hours
(N1-N4)			48 - 65dB(A)	per day

(l) give details, and an assessment of the effects, of any existing or proposed emissions on the environment, including any environmental medium other than that into which the emissions are, or are to be, 11 OJ No. L226 06.09.2000. p.3 made, and of proposed measures to prevent or eliminate or, where that is not practicable, to limit or about such emissions,

Environmental emissions monitoring surveys that have been carried out at the current facility operated by The Recycling Village and as required by the existing waste permit conditions, have shown that there are no adverse environmental impacts from the facility.

Air.

There are two point emission sources to atmosphere from the facility as shown on the Site Emissions Monitoring Plan Ref: 12039-LA-05, ie;

- ∞ A1 CRT dismantling line (CRT)
- ∞ A2 Flat panel dismantling line (FPD)

These point sources have only recently been installed and are currently being commissioned. Consequently there has been no testing carried out of the emissions from these extraction ducts as part of this Waste Licence application. It is expected that emissions testing from these vents will be carried out as part of the Waste Licence requirements.

However, prior to installing the extraction vents, a series of occupational dust sampling surveys were carried out at the facility. Based on the results of occupational dust surveys, it is concluded that there are no respirable occupational health & safety issues in relation to the dust and heavy metals tested for. Therefore, the concentration

of dust and heavy metals that will be discharged to atmosphere from point sources A1 and A2 are likely to be insignificant. There are no odours emitted from the facility.

Dust deposition monitoring at the site boundary as part of the existing Waste Permit conditions have shown that dust deposition levels are below the permit limit of 350mg/m²/day.

In conclusion, emissions of polluting substances (as defined in the Schedule of S.I. 394 of 2004) to the atmosphere from The Recycling Village Ltd are unlikely to have a significant impact or impair the environment.

Water.

There are no process effluent emissions from the facility to sewer.

Effluent from the site toilets, canteen and staff changing rooms to the Meath County Council local authority foul sewer as shown on Site Drainage Plan Ref: 12039-LA-01.

The yard run off water drains to an interceptor prior to discharge to the Meath County Council local authority foul sewer as shown on Site Prainage Plan Ref: 12039-LA-01.

The above sewer discharges are controlled by the existing site Waste Permit, WFP-MH-11-0005-01 issued by Meath County Council.

As part of the existing Waste Pernett, The Recycling Village Ltd take quarterly samples of the effluent from the final chamber of the interceptor sump for analysis by a third party laboratory.

The results show that there are no significant concentrations of chemicals that could cause damage to the sewer or effluent treatment process. Furthermore, the quality of the yard run off water complies with comparable limits as set down in the EC Drinking Water Regulations SI 278 of 2007.

Consequently the nature and quality of the yard effluent run off from the site to sewer is unlikely to have a significant negative impact on the sewer or effluent treatment process.

In conclusion, emissions of polluting substances (as defined in the Schedule of S.I. 394 of 2004) to the sewer from The Recycling Village Ltd are unlikely to have a significant impact or impair the environment.

(m) identify monitoring and sampling points and indicate proposed arrangements for the monitoring of emissions and the environmental consequences of any such emissions,

The Recycling Village Ltd propose the following Emissions Monitoring Programme.

Emission Parameter Location Analytical technique	Frequency
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Air – Point	Dust & Heavy	CRT	Appropriate sampling	Annually
Source (A1)	Metals as	Dismantling	technique as advised by	
	detailed in	Area	specialist company eg.	
	Attachment F		gravimetric, absorption tubes	
			etc & laboratory analysis	
Air – Point	Dust & Heavy	FPD	Appropriate sampling	Annually
Source (A2)	Metals as	Dismantling	technique as advised by	
	detailed in	Area	specialist company eg.	
	Attachment F		gravimetric, absorption tubes	
			etc & laboratory analysis	
Dust	Dust Deposition	4 x boundary	Bergerhoff method &	Annually
Deposition		locations	laboratory analysis	
(D1-D4)				
Yard run off	As detailed in	Yard interceptor	Grab sample & laboratory	Quarterly
(SW1)	Attachment F	sump	analysis	
Noise	dBA (Laeq)	4 x boundary	Noise level meter	Annually
(N1-N4)		locations		

(n) describe any proposed arrangements for the prevention, minimization and recovery of waste arising from the activity concerned,

The Recycling Village Ltd is a specialist WEEF and battery recycling company. Approximately 95% of all materials handled at the facility is recycled. The Recycling Village Ltd is actively researching new markets for all segregated components in an attempt to increase the recycling rate as high as possible.

The Recycling Village Ltd is fundamental in assisting Ireland to meet its recycling commitments under the WEEE Directive.

(o) describe any proposed arrangements for the off-site treatment or disposal of solid or liquid wastes,

Despite a very high recycling rate of approximately 95% of all materials handled at the facility, the remaining 5% is sent for disposal to local waste companies eg. Panda Waste or for heat recovery to Indavar. The waste generated at the facility includes floor sweepings, contamination from consignments eg. paper, plastic, cardboard etc.

(p) describe the existing or proposed measures, including emergency procedures, to prevent unauthorised or unexpected emissions and minimise the impact on the environment of any such emissions,

As part of the existing site Waste Permit WFP-MH-11-0005-01, clause 9.1 requires The Recycling Village Ltd to develop and implement a site Emergency Response Plan (ERP).

A copy of the site ERP which has been submitted to Meath County Council, is presented in Attachment F.

In addition, The Recycling Village Ltd has developed and implemented an Environmental Management System (EMS) at the site in accordance with ISO 14001. In conjunction with the EMS, a health and safety system is being developed consisting of a series of fire and risk assessments. The EMS and risk assessments will be used to review the existing ERP and update as required.

The existing site ERP describes the measures including procedures, to minimise theimpact on the environment of a fire, accidental emission, spillage or emergency. In the event of an emergency or process equipment breakdown, all site operations would stop and equipment turned off. There would be no expected significant environmental emissions to air, ground, sewer, surface water etc.

The ERP also outlines the provisions that have been made for response to emergency situations outside of normal working hours, i.e. during night-time, weekends and holiday periods.

Fire extinguishers, spill kits and first aid kits are located throughout the facility. Regular staff training sessions are carried out and records maintained.

(q) describe the proposed measures for the closure, restoration, remediation or aftercare of the facility concerned, after the cessation of the activity in question,

Upon cessation of the site activities, The Recycling Village Ltd would strive to achieve a clean closure of the site prior to surrendering the Waste licence. As the facility is located within a purpose built industrial estate, it is envisaged that the site, post closure would be used for further commercial/industrial use.

The scope of the closure audit would be agreed beforehand with the Agency but could include the following;

'identify the decommissioning, rendering safe or removal for disposal/recovery, of any soil, sub-soils, buildings, plant or equipment, or any waste materials or substances or any other matter contained therein or thereon, that may result in environmental pollution. The audit should also confirm whether any measures are necessary on-site to avoid any risk of environmental pollution.'

The closure audit report would be based on relevant EPA guidance eg.

- ∞ OEE Methodology for Determining Enforcement Category of Licences.

Specific site closure actions may include;

- Relocation, sale & disposal of plant, equipment, machinery, raw materials, product and stock
- ∞ Disposal of all site waste (liquid and solid)
- ∞ Clean out drainage system and interceptor
- ∞ CCTV survey of site drainage system
- ∞ Soil and groundwater sampling and analysis (if required)
- ∞ Securing the site

It is envisaged that the conditions of the Waste licence will require The Recycling Village Ltd to establish a bond or insurance policy to cover the costs of decommissioning activities following cessation of the site activities.

The Recycling Village Ltd confirms that it will have in place the necessary financial arrangements to fully fund the site closure plan.

(r) in the case of an application in respect of the landfilling of waste, give particulars of - (i) such financial provision as is proposed to be made by the applicant, having regard to the provisions of Articles (7)(i) and (8)(a)(iv) of the Landfill Directive and section 53(1) of the Act, and (ii) such charges as are proposed formade, having regard to the requirements of section 53A of the Act,

This application does not relate to the landfilling of waste. This section is not applicable.

(s) state whether the activity is for the purposes of an establishment to which the European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2006 (S.I. No. 74 of 2006) apply,

Following a review of the European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations, 2006 (SI No. 74 of 2006), The Recycling Village Ltd confirms that none of the named substances in The First Schedule, Part 1 of the Directive are used at the facility.

Furthermore, The Recycling Village Ltd confirms that the quantity of substances stored at the facility are less than the maximum threshold quantities as detailed in The First Schedule, Part 2 of the Directive.

Consequently, the European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations, 2006 (SI No. 74 of 2006) do not apply to activities carried out at this facility.

(t) in the case of an activity which gives rise or could give rise to an emission into an aquifer containing the List I and II substances specified in the Annex to Council Directive 80/68/EEC of 17 December 1979, describe the existing or proposed arrangements necessary to give effect to Articles 3, 4, 5, 6, 7, 8, 9 and 10 of the aforementioned Council Directive,

There are no direct emissions to ground or groundwater from the facility. This section is not applicable.

(u) include a non-technical summary of the information provided in accordance with paragraphs (a) to (t) of this sub-article.

This non technical summary is provided as specified in the above requirement.

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