



**ENVIRONMENTAL PERMIT APPLICATION
NON-TECHNICAL SUMMARY**

**RYDER POINT WORKS
WIRKSWORTH
MATLOCK
DERBYSHIRE
DE4 4HE**

**Document Reference: SPL1000/04.R0
April 2024**



**Project Quality Assurance
Information Sheet**

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RYDER POINT WORKS, WIRKSWORTH, MATLOCK, DERBYSHIRE, DE4 4HE***

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NON-TECHNICAL SUMMARY

Stacey Processing Ltd ('Stacey') are applying for an Environmental Permit to operate a non-hazardous waste treatment facility at an existing industrial site near Wirksworth, Derbyshire. The site will accept glass waste and construction, demolition and excavation wastes. Treatment of the waste at the site will consist of sorting, separation, screening, washing, grinding, crushing and blending of waste for recovery.

The site extends over an area of ~3.7Ha and is approximately centred on National Grid Reference (NGR): SK 26045 354785. The site is situated in a rural setting in close proximity to Longcliffe Ryder Point Quarry and an industrial complex. The wider surrounding area comprises agricultural land with scattered residential dwellings. The town of Wirksworth is situated approximately 2.5km east-southeast of the facility. The facility will comprise of a weighbridge, surface water lagoon, roadways, stockpile areas, asphalt plant, washing plant, glass processing buildings, storage buildings, and welfare facilities.

The operator is proposing to accept non-hazardous glass and non-degradable, non-hazardous construction, demolition and excavation waste streams for sorting and treatment. Waste glass will be initially dried through a electrically driven drying plant with a gas oil fuelled burner before being sorted into fractions that are larger or smaller than 8mm. The <8mm glass fractions are subsequently transferred to an onsite grinding/crushing process plant to manufacture various grades of shot-blast for onward sale as a product, having met "end of waste" requirements. The >8mm fractions will be subjected to a sequence of gravity sorters/screeners to separate the glass from other residual fractions. The separated >8mm glass fractions are subsequently conveyed to one of two optical colour sorting lines, where green and clear glass is sorted from brown glass. The sorted glass is subsequently stored in silos/hoppers pending off-site transfer for reprocessing.

Construction, demolition and excavation wastes are subjected to one of two process lines. Mixed particle waste feeds will be treated in a wash plant that separates the mixed particles sizes to produce graded sands, washed gravel and silt fractions, whilst removing any potential organic and other non-inert fractions. Other wastes streams will be subject to mechanical crushing and screening in designated plant to produce various grades of secondary/recycled aggregates. The recycled aggregates are subsequently used in other onsite activities (e.g. roadstone coating) or sold to external customers.

The facility as a whole will accept up to 125,000 tonnes of waste per annum, of which 75,000 tonnes will comprise glass waste streams with up to 50,000 tonnes of non-degradable, non-hazardous construction, demolition and excavation wastes. The maximum storage capacity of the site will be 20,000 tonnes.

All storage bays, internal processing areas and primary internal haul roads are surfaced with impermeable pavement whilst all other storage areas are surfaces with compacted aggregate hardstanding. Any surface water from the site runs off into the lined surface water lagoon, where it is retained and reused in the washing plant processes and to support dust management practices.

The remote nature of the site will provide mitigation from any potential impacts to local amenity and the environment, particularly from dust/particulates and noise. Also, the majority of the emissive processes will take place internally. Appropriate dust suppression measures will be taken such as using wet methods to control fugitive emissions and bag filters to reduce the particles/dust emissions associated with the dryer. A Dust Emissions Management Plan has been developed to ensure that the waste operation does not adversely affect local human and ecological receptors.