RAYBELL & SONS SURFACING LIMITED

WORKING PLAN
OLD BRICKWORKS RECYCLING CENTRE

Revised July 2013
1. SITE DESCRIPTION AND CHARACTERISATION OF RISK SOURCE

1.1 Specified Site and Waste Management Operations

Location
The site is located approximately 8.5km due north of the town centre on the A508. The area to which the Licence applies is shown on Plan GPP/RB/OB/08/01.

Waste Management Operations
Construction and commercial waste will be brought to the Old Brickworks Recycling Centre (OBRC) in skips and containers for the following waste management operations:

- a) reclamation of wood wastes (R2)
- b) reclamation of paper, cardboard (R2)
- c) reclamation of metals (R3)
- d) screening of soils and hardcore (R4)
- e) crushing of concrete and hardcore (R4)
- f) crushing of bricks, tiles and ceramics (R4)
- g) temporary storage of wastes to be reclaimed (R13)
- h) temporary storage of residual wastes (D15)
- i) temporary storage of construction waste (D15)
- j) temporary storage of non-conforming wastes (D15)

Inert clean soils and construction waste will be stored in the Stockpile Area for subsequent screening and crushing. Screening and crushing of wastes will be in the Treatment Area using a temporary mobile screen or crusher. The treated material will be stored in Processed Soils and Construction Waste. Other wastes will be taken to the Recycling Building for the reclamation of paper, packaging, metals, wood, soil and construction materials; specified hazardous waste will be sorted for separate storage in secure, dedicated containers, pending collection for recycling elsewhere. Asbestos waste will be stored separately for collection for disposal at an appropriate facility. Residual material will be taken to an appropriate disposal facility.

Risks
The risks associated with the operation are surface water contamination; mud and debris, leaks and spillages; noise; litter; fire and dust.

1.2 Types of Wastes
The centre will only receive the wastes in the following categories:

<table>
<thead>
<tr>
<th>Type of Waste</th>
<th>Approx Quantity (tonnes/annum)</th>
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</thead>
<tbody>
<tr>
<td>Inert materials in accordance with EU waste catalogue – ref Appendix 3</td>
<td>up to 15,000</td>
</tr>
<tr>
<td>Semi-inert and biodegradable materials in accordance with EU waste catalogue – ref Appendix 3</td>
<td>up to 10,000</td>
</tr>
<tr>
<td>Hazardous waste</td>
<td>Up to 550</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>up to 25,000</strong></td>
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</tbody>
</table>
Risks

The risks associated with the waste are surface water contamination, mud and debris, noise; litter; fire and dust.

1.3 Hours of Operation

January – December: 06.00hours - 20.00hours Monday to Friday
07.00hours - 19.00hours Saturday
No working on Sundays or Bank Holidays

1.4.1 Staffing

A Floor operator will be responsible for sorting lightweight material within the Recycling Building and for general site duties.

A Machine Driver will be responsible for driving the loading shovel and for loading recycled materials, sorting heavy materials and maintaining stockpiles.

A Supervisor will be responsible for the control of the operation and record keeping.

2 SITE ENGINEERING FOR POLLUTION PREVENTION AND CONTROL

2.1 Engineered Site Containment and Drainage Systems

2.1.1 The Site

The site is on the old Pitsford brickworks site.

The external area is used for the storage of in-coming soils and construction material and the storage of treated material in the Stockpile Area; and the treatment of materials in the Treatment Area. Sorting of other materials will be undertaken within the Recycling Building.

2.1.2 Treatment Area

The Treatment Area will be used for screening of soils and hardcore.

Untreated soils stored in the Stockpile Area will be screened in the Treatment Area to create top-soil and sub-soil type material once there is sufficient material in the stockpile to justify the hire of a mobile screen.

Concrete, bricks, tiles and other suitable construction waste stored in the Stockpile Area will be crushed and screened to produce secondary aggregates in the Treatment Area once there is sufficient material in the stockpile to justify the hire of a mobile crusher.

The surface of this area will comprise compacted hardcore and be maintained in a clean condition by back-blading as necessary.

2.1.3 Stockpile Area

The Stockpile Area will be used for the storing of soils, construction and demolition waste prior to treatment by screening or crushing and for storing the recovered materials after treatment. The recovered materials will be available for sale.

The surface of this area will comprise compacted hardcore and concrete.
2.1.4 Recycling Building
The Recycling Building is a large warehouse type building with steel cladding, a concrete floor and sloping roof.

A 'push wall' will be erected inside the building using 1.75m high precast concrete wall units manufactured by RCC or similar.

A picking and sorting line has been installed inside the building for separating recyclable materials from mixed loads. At the end of the line is a baler, which is used for baling paper, plastics and card.

2.1.5 Recyclable materials storage building
Baled recyclates are stored inside pending collection in bulk loads

2.1.6 Drainage
There is no public foul water drainage within the site. All waste water drains to two septic tanks, one for each half of the building unit with the Recycling Building being the only building within the licensed area. Surface water drains from the road drains into standard road gullies and then into the public storm water sewers. Rain water from the building drains into the public surface water sewers.

Precipitation falling on the Treatment Area and Stockpile Area will be allowed to drain naturally into the ground through the compacted hardcore surface or into the road gullies.

3 SITE INFRASTRUCTURE

3.1 Access Road
The access road is an existing tarmacadam road serving all industrial buildings on the old Pitsford brickworks site. This access road leads directly to the OBRC.

3.2 Site Security
The site is secured on three sides by a 2m high palisade security fence. A hawthorn hedge is planted on the eastern boundary of the site at a higher level than the general level of the site on top of an embankment leading down to the A508.

A double leaf 2m high palisade security gate prevents unauthorised access when there is no presence on site.

4 SITE OPERATIONS

4.1 Control of Mud and Debris
Vehicles bringing material to the site will have travelled on public roads for many miles. It is extremely unlikely that mud will be brought on to the site.

Should mud and debris be deposited on the access road whilst discharging or, as a result of maintenance operations or the materials in the Stockpile Area during periods of wet weather, it will be kept clean by a mechanical road sweeper.

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4.2 Leaks and Spillages

The only fuel to be stored on site will be gas oil for the after burner controlling emissions from the wood burning heater. The gas oil for the afterburner will be stored in a double bunded tank in accordance with the Oil Storage Regulations.

A leak or spillage occurring as a result of a hidden container within a load will be soaked up using a spillage kit within the Recycling Building. Further cleaning of the area of the leak or spillage will be carried out as necessary. Liquid waste collected as a result will be decanted into a suitable container for disposal at an appropriate licensed facility.

The Environment Agency will be informed of any container containing non-conforming or unauthorised liquid waste which is received.

4.3 Fires

Fire extinguishers will be located at readily accessible locations within the Recycling Building.

4.4 Waste Acceptance and Control

The commencement of Waste Acceptance and Control will be exercised when the driver collects waste from the customer's premises. The drivers will be trained to inspect the waste material in the container before leaving the premises to confirm the details on the Waste Transfer Note match the contents of the container. Following inspection, the driver will decide whether there is sufficient material within the load to recycle cost effectively and if so, will bring the material to the site. If the driver judges the load does not have sufficient recoverable material, it will be taken direct to an appropriate disposal facility.

Construction and builders waste considered acceptable will be brought to the OBRC in skips or containers ranging from 2cu yd to 40cu yd capacity. Soils containing contaminated material will not be brought to site. Construction sites will be required to demonstrate that the soil is not contaminated before it is collected. Soil collected from householders will be visually inspected at collection and when discharged at the OBRC and, if contamination is suspected, it will be tested and, on contamination being confirmed, will be removed to an appropriately licensed facility. Product sampling prior to resale will be undertaken as requested by the Agency.

Vehicles will be gross weighed on arrival at the site weighbridge where a further check for acceptability will be made by the weighbridge operator. The weighbridge operator will also collect the Waste Transfer Note (WTN) and confirm it complies with the stated waste material. If the weighbridge operator is satisfied that the load is acceptable, the driver will either be directed to the Recycling Building or to the inert stockpiles of soils and construction material in Stockpile Area.

If the vehicle is directed to the Stockpile Area, the load will be discharged into the appropriate stockpile to await treatment and the vehicle will return to the weighbridge where it will be tare weighed before departing the site.

If the vehicle is directed to the Recycling Building the driver will discharge the load as directed by the floor operative. On discharge, the floor operative will provide a final visual check on the waste. If the floor operator is unsure about the discharged material or considers it to be unsuitable for recycling, the Supervisor will be informed and will make a decision on whether or not the load can be accepted. If the Supervisor decides that the load is
unacceptable, it will be reloaded and the driver will be instructed to collect the WTN from the weighbridge before taking the waste to an appropriate disposal facility.

If the waste is considered acceptable either after discharge or, after a decision by the Supervisor, the driver will depart the building and return to the weighbridge where the vehicle will be tare weighed.

4.5 Waste Quantity Measurement

A weighbridge and cabin have been installed.

4.6 Storage of Materials

General
Storage of all materials will be temporary. The containers storing recovered materials, residual waste and non-conforming waste within the Recycling Building will be removed once they are full.

The soils and construction waste separated within the Recycling Building will be removed to the outside Stockpile Area when the skips storing the recovered material are full.

Storage of Clean Soils and Construction Waste
Incoming soils and construction material will be taken to the Stockpile Area. Incoming soils and construction material mixed with other waste will be taken to the Recycling Building where it will be separated and stored in a designated skip before removal to the Stockpile Area. Treated soils and construction waste will also be stored in the Processed Soils and Construction Waste area.

The stockpiles will be maintained by a site loading shovel.

Storage of Reclaimed Materials
Storage of screened soils and, storage of secondary aggregates following crushing will be in the Processed Soils and Construction Waste area.

Storage of metals and timber within the Recycling Building will be in designated containers or bays. Storage of baled materials, card, plastics and paper will be inside the Recyclable Materials Storage Building.

Storage of Non-conforming Wastes
Storage of non-conforming waste will be in a leak proof designated container outside the Recycling Building, between doors 1 and 2.

Storage of Batteries
Storage of batteries will be in a bunded stillage or, purpose glass fibre lockable container within the Recycling Building. Hazardous batteries will be stored separately from non-hazardous ones. Once stillages are full, arrangements will be made for their collection; hazardous batteries will be accompanied by a Consignment Note. Should further batteries be found within delivered waste before the collection is made, these batteries will be removed from the site directly.

Storage of hazardous waste
All conforming hazardous waste will be stored in labeled, secure containers, in the locations shown on Plan GPP/RB/OB/08/01. When sufficient material has been accumulated, the waste will be collected for recycling elsewhere.

Storage of asbestos
Only wrapped asbestos sheets will be accepted for storage in the dedicated container, which when full will be collected for disposal off-site at an appropriately licensed facility.

4.7 Treatment Process
Soils stored in the Stockpile Area will be screened to create top-soil and sub-soil type material using a 511 Trommel screen or similar, once there is sufficient material in the stockpile to justify the hire of the plant.

Construction material stored in the Stockpile Area will be crushed to create secondary aggregates using a Parker 850 crusher or similar crusher once there is sufficient material in the stockpile to justify the hire of the plant.

Waste material taken to the Recycling Building will be sorted and recovered materials placed in designated containers. Materials will be sorted using a trommel Screen and picking line, which will separate metals, cardboard, fines etc. This is equipped with a magnet, screen, blower, conveyors and baler for separation of materials and baling suitable materials. This is located inside the recycling building as shown on plan GPP/RB/07/01. A Volvo L32 loading shovel or similar with 4 in 1 bucket. will be used for loading the hopper of the screen, moving reclaimed materials, residual materials and non-conforming waste into the designated containers. A fork-lift will move baled waste from the Recycling Building to the Recycling Materials Storage Building

Reclaimed materials will be sent to appropriate re-processors.

Screened soils and secondary aggregates will be used by construction activities outside the site.

4.8 Residual Wastes
Residual wastes will be stored in the designated container within the Recycling Building until the container is full or within 21 days whichever is the sooner, when it will be taken to a licensed disposal facility.

5 POLLUTION CONTROL, MONITORING AND REPORTING
5.1 Monitoring and Reporting of Gases and Aerosols other than Landfill Gas
There is no composting or other biological treatment at this site. Should green waste or other biodegradable waste be brought to the site inadvertently, it will be separated and placed in the residual waste container and removed from the site within 7 days. As a result, there will be no need to monitor for bio-aerosols.

5.2 Groundwater Monitoring
The OBRC is only receiving, storing and treating inert soil and construction waste in areas outside the Recycling Building. Rainwater running off these materials and draining into the ground or surface water drains will not be contaminated. All other wastes received for storing and treatment take place inside the Recycling Building.

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Contamination of groundwater cannot occur from either the internal or external activities and so monitoring of groundwater will not be necessary.

5.3 Surface Water Monitoring

Rainwater will only come into contact with inert material in the Stockpile Areas. Run-off from this area will only be contaminated with suspended solids.

There are no watercourses near the Stockpile Area and the only way run-off can access the storm water drain is via an adjacent road gully. This is a standard trap gully which retains silt and other sediment allowing relatively clean surface water to enter the sewer. This gully will be checked on a weekly basis to ensure that it has not silted up and will be cleaned out before the silt reaches the level of the outlet pipe.

5.4 Monitoring of Meteorological Conditions

The only activity which takes place outside the building is the tipping of clean soils and construction material into stockpiles, the screening of soils and the crushing of construction waste. These activities do not warrant the installation of meteorological monitoring equipment.

Screening and crushing will not take place during periods of high winds.

6  AMENITY CONTROL AND MONITORING

6.1 Control, Monitoring and Reporting of Dust

Dust will mainly occur during the tipping of soils and construction material and the treating of soils and construction material. The amount of dust to be generated during the tipping operation is unlikely to be of sufficient quantity to cause a problem outside the site.

A fine mist spray system will be installed within the Recycling Building in conjunction with an extractor fan to protect the operatives during discharging of waste and general operations.

The treatment of soils by screening and the treatment of construction waste by crushing are likely to cause dust. These processes are periodic and not continuous and they will not be undertaken during high winds. Dust will be controlled during screening and crushing operations using spray equipment to prevent dust from drifting beyond the immediate vicinity of the screening or crushing plant.

6.2 Control of Odours

Should odorous material be inadvertently brought to the site, it will be separated and placed in the residual waste container and removed from site immediately.

6.3 Control of Noise

Noise generated will arise from vehicles arriving at and travelling within the site, discharging of waste and screening of soils and crushing of construction waste in the Stockpile and Treatment Areas. The Old Brickworks is an industrial area where HGV and plant movements are a normal part of the daily activity.

Best Practicable Means would be adopted at all times to ensure noise levels from the operation of the OBRC are minimised.
All plant and equipment would be kept well maintained with effective silencers. Engines would be switched off when plant is not in use.

Screening of soils and crushing of construction material will only take place from 08:30 – 17:00 Monday to Friday and from 07:30 – 13:00 on Saturdays. There will be no screening or crushing on Sundays or bank holidays.

Other activities of the OBRC take place inside a building and noise is even less likely to occur than with the outside activities.

The Recycling Building would operate between 06:00 and 20:00 hours Mondays to Fridays and 07:00 – 19:00 hours on Saturdays.

The period between 06:00 – 07:00 hours would be used mainly for the cleaning and maintenance of the recycling plant to minimise noise levels. During this period, the doors to the Recycling Building would be kept closed to reduce any potential disturbance to occupants of surrounding properties.

Between 06:00 – 07:00 hours, the use of plant externally would be minimised, with no plant movements during this period whenever possible. Materials waiting to be transferred from the Recycling Building to storage areas would be held within the building and not transferred until after 07:00 hours.

Deliveries or collections to the site would be accepted between 07:00 – 17:00 hours Mondays to Fridays and 07:00 – 13:00 hours on Saturdays. There would be no deliveries made during the early morning period, evenings or during Saturday afternoons, when the Recycling Building would be operational.

Additional control measures for noise as a result of the activities at the OBRC are not considered necessary.

6.4 Control of Pests

Food wastes inadvertently brought to the site will be separated out and placed in the residual waste container and removed from the site by the end of each week. Should a pest problem develop, a pest control contractor will be engaged to visit the site to treat the infestation within 24 hours.

6.5 Control of litter

Most activity involving the possibility of litter occurring takes place inside the Recycling Building.

All drivers and staff will be instructed to report any litter seen within the site to the Supervisor as they go about their daily tasks.

Any litter observed will be removed by the end of each working day and placed in the residual waste container within the Recycling Building.
7 MAINTAINING AND SUBMITTING RECORDS

7.1 Security and Availability of Records

All records will be retained in the site office and be available for inspection as required.

7.2 Records of Waste Movements

The following records will be retained:

- Waste Transfer Notes for each load delivered
- Waste Carriers Licence from hauliers
- Weighbridge tickets for all incoming wastes
- Weighbridge tickets for residual waste leaving the site
- Weighbridge tickets for recovered materials
- Waste transfer note for residual and recovered wastes

A quarterly return will be made to the agency confirming the tonnages of incoming waste and residual waste.

7.3 Site Diary

A site diary will be retained in the site office to record visitors and events which fall outside normal activities. The CoTC holder for the site will sign in and out.