



**New Milton Sand & Ballast**

**Manor Farm- Pennington**

**NOISE MANAGEMENT PLAN**

**Issued: 23rd August 2014**

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## 1. Introduction

This Noise Management Plan (NMP) outlines the methods by which New Milton Sand & Ballast (NMSB) will systematically assess and minimise the potential impacts of noise generated at the Manor Farm Recycling Site. The Noise Management Plan is a working document with the specific aim of ensuring that:-

- Noise generation and impact is considered as part of routine and regular inspections;
- Noise is primarily controlled at source by good design and operational practices, including physical and management control measures;
- All appropriate measures are taken to prevent or, where that is not reasonably practicable, to reduce noise emissions from the facility to nearby receptors.
- This Noise Management Plan addresses the impact of noise and the control measures employed to mitigate the risk. These are supported through monitoring and control procedures to identify both elevated levels and to review complaints should they arise.
- The complaints management procedure, including the management responsibilities, is also addressed.

## 2. Potential sources of noise

Potential sources of noise generated at the site are assessed to be the following activities:-

- Delivery of Materials and Waste
- Stockpiling
- Loading Vehicles
- Vehicle/Mobile Plant movements
- Crushing and Screening Crushed Concrete (Inert Building)
- Screening Inert Material (Inert Building)
- Shredding Wood. (Wood Chip Building)
- Waste loading / Unloading (Non Inert Bay).

- Repair and maintenance of plant, equipment.

### 3. Mitigation measures

The following general measures are in place to reduce the noise generated for the activities on site.

- **Compliance**

Compliance with the terms of planning consent will be secured which requires:-

- a) All recycling and processing of waste, other than composting operations are to be carried out within a building.
- b) That a specified equivalent continuous noise level (LAeq) detailed in the planning consent and measured over any one hour interval is not exceeded by operations on the site.
- c) That a maximum noise level (Lmax) detailed in the planning consent is not exceeded more than a specified number of times in a specified period due to operations on the site.

In the event that compliance with the above is about to be breached/has been breached due to site based activities, all processing operations at the site shall be immediately shut down and not restarted until directed by the TCM or his Deputy, who shall manage the operations so as to secure full compliance with the planning consent.

- **Delivery of materials**

Where possible any inert material for processing will be tipped straight into the Inert Building  
Non inert materials are deposited in the waste bay.

- **Stockpiling**

Stockpiles will be kept at a height of 3m which is below the 5m height of the Screening Bund  
Vehicles will not be used on the top of the stockpiles unless necessary for loading purposes

- **Loading Vehicles**

Loading will only take place after 08.00hrs. All staff are qualified Mobile Plant Operators. They are also trained in the importance of noise reduction. Loading equipment will be switched off when not required and revving of engines reduced to a safe working minimum.

- **Vehicle/Mobile Plant movements.**

There is a 10mph speed limit on site. Roads are kept in good condition to prevent noise being generated from empty vehicles.  
All skip trucks have covers on their skip lifting chains to prevent noise from the chain hitting the arm of the truck.

- **Crushing and Screening Crushed Concrete (Inert Building)**

The Crusher is put inside the Inert Building which is acoustically clad for noise reduction. Regular inspections are carried out to ensure the cladding is undamaged. Any damage is repaired.

Concrete crusher is used on site on a campaign basis only, not continuously which reduces overall noise generation.

Regular inspections of the crusher and servicing as required ensure it works within manufacture's tolerances.
- **Screening Inert Material (Inert Building)**

Screening of the inert material takes place in the aforementioned building. The screening modules on the screener are made of polyurethane to make the screening process quieter.

Regular inspections of the screener and servicing as required ensures it works within manufacture's tolerances
- **Shredding Wood. (Wood Chip Building)**

The shredding of wood will take place in the Wood Chip Building which is acoustically clad the same as the Inert Building. The doors on the East side (closest to residences) of the building are kept shut during the shredding operation. They are opened and closed by the Shovel Driver electronically to gain entry as and when required.
- **Waste Handling**

The commercial waste is handled by a Fuchs selector grab type machine. All staff are qualified Mobile Plant Operators. They are also trained in the importance of noise reduction. The use a steel bar to clean up the waste by scraping it on the concrete floor is now prohibited and only scrapers made of rubber can be used.
- **Repair and maintenance of plant, equipment.**

There is an open air mobile plant service area on the south west side of the Wood Chip Building. Any noise generated from this source is effectively screened by the acoustic building itself which stands in the path of any noise emissions towards Manor Farmhouse.

#### 4. Operational hours

The site itself operates from 07.00 to 18.00hrs Monday to Friday and 07.00 to 13.00hrs Saturday. To reduce noise issues early in the morning and in compliance with planning conditions loading or unloading of vehicles or operation of mobile plant and mobile machinery outside the buildings is not carried out before 08.00hrs

## **5. Noise control measures**

### **5.1 General**

Physical and Management measures have taken place since 2005.

- Inert acoustic building built to house the screening plant
- Wood Chip building built to house the shredding plant.
- Reduction in the number of different processing stages with the retiring of the Trommell together with the Halifax Air blower.
- 5m bund constructed on the Eastern boundary.
- Loading shovels selected to reduce noise emissions..
- Acoustic cladding installed around the exhaust of the main Generator.
- Quarry Dumpers eliminated by a quieter Tractor & Trailer
- The Inert and Wood chip operations are not run together when the wind is in a South Westerly direction.
- White noise reversing beepers replace standard beepers.
- Temporary noise baffles are erected wherever necessary within the curtilage of the site in order to provide acoustic screening for specific operations.
- Continuous noise monitoring has been installed.
- Live LEQ hardware has been delivered to site awaiting installation in the relocated monitoring location.

### **5.2 Site Management Responsibility**

The Technically Competent Manager (TCM) (or designated responsible person) has responsibility for ensuring that nuisances and hazards arising from the facility due to noise are minimised. Regular meetings have been instigated with all site staff to discuss current and planned site operations that have the potential to generate noise emissions and to make adjustments where necessary to operational practices to ensure that these do not cause a breach of planning permission.

The TCM is also responsible for inspections, plant maintenance schedules, identifying plant to be replaced, enforcing site procedures and recording any incidents which could give rise to complaint in the site log. The TCM is also responsible for acting on any complaints received.

In the event that the TCM is unavailable at the site, his Deputy will take full control and act as if he were the TCM.

## 6. **Noise monitoring measures**

A range of monitoring measures has been implemented at the site, including:-

- An Airport style Wind Sock to enable all site staff to see the wind direction.
- A Weather Station to record the weather conditions 24 hours a day. Wind direction is predominantly from the south west, but directionality can play a role in the impact of noise from the site. The weather records from the date three months before the issue of this document and in future will be held on the suppliers secure server for a period of two years.
- Continuous noise monitoring will be performed at the location shown on plan number PEN-0814-A at Grid reference: E:431221 N:93738 as shown in Appendix D . Bund height at this point is +6.2m GL; the monitoring equipment will be mounted 1.6m above this point at +7.8GL. This position gives a clear line of sight to the noise epicentre of the site regardless of the construction of the possible Recycled Aggregates Washing Plant.
- The noise monitoring will follow the guidance laid out in BS7445-3:1991.
- Environmental noise levels are measured using sound level meters conforming to type 1 or better of the latest versions of British Standard EN 61672-1:2003 *Electro-acoustics-Sound Level Meters, Specifications*.
- The sound level meters are field-calibrated before use; at least every month and after any period where it is shut down (such as downloading) using an acoustic calibrator conforming to the latest versions of British Standard EN 60942:2003 *Electro-acoustics – Sound Calibrators*.
- All monitoring equipment is calibrated to a traceable standard by a UKAS accredited laboratory, or equipment. The Sound Level Calibrator is calibrated annually and the noise measuring system is calibrated every two years.
- A “Live LEQ” system reporting up to date web based monitoring results derived from the noise monitor has been ordered and once commissioned as soon as possible shall be operated continuously whilst the site is operating, backed up by E mailed potential exceedance warnings to the TCM and his Deputy. The alert levels for the system will be set with sufficient margin to trigger internal alarms before the noise limits in the planning permission are breached due to site generated noise.
- A Daily site Activity/Environmental log shall be maintained by the TCM.

## **7. Management control measures**

A comprehensive range of management control measures have been implemented including:-

- All plant and equipment is regularly maintained to ensure that no item will produce excessive noise;
- Although the site starts at 07.00hrs, staff are instructed to undergo only “quiet” activities when outside of buildings such as mobile plant greasing and maintenance checks. No HGV vehicles are permitted to access the site and no mobile plant is permitted to operate on site before 08.00hrs.
- A speed limit of 10mph is in place at the site
- Site staff will always be made aware that they are working in the vicinity of residential receptors and avoid all unnecessary noise due to misuse of tools and equipment and unnecessary shouting. To further enhance this, staff will be trained to operate the equipment and plant without causing excess noise, including measures to minimise reversing movements.
- All operational staff will be responsible for reporting any noise problems immediately to the TCM (or designated responsible person). Either by face to face communication or using the Health & Safety System Near Hit Reporting, which can be focused on Environmental issues such as noise.
- The TCM will stop any site based operations that in his opinion cause excessive noise or are likely to cause exceedance of the planning permission immediately. This will include any activities that he observes or any activities where the noise monitoring results indicate that an exceedance of the levels set in the Planning Permission due to the site activities is imminent. In the event of the latter, operations will not be permitted to recommence until the reason for the potential or actual exceedance has been pinpointed and rectified so as to avoid any potential future breach of the planning permission.
- Recorded routine maintenance of all plant and equipment identify equipment operating at elevated noise levels and work will be undertaken to repair the defect as soon as it is detected and before the equipment is put back into use
- Vehicles regularly using Manor Farm Recycling Facility, are informed by way of an informative at the weighbridge office, that they should attempt to tip quietly and under no circumstances should they leave a tailgate unrestrained.

## **8 Noise complaint and investigation**

If the specified noise levels in the planning permission have the potential to be exceeded or are about to be exceeded due to activities on the site as indicated by the "Live LEQ" system, the TCM will take steps to reduce the activity on site by immediately shutting down processing plants and noisy site activities as appropriate. An investigation will then follow and the processing plants will not be restarted until the noise issue is considered resolved so as to ensure no breach of the planning permission occurs.

In the event of a noise complaint being received, the noise complaint investigation will follow the External Communications Procedure (Appendix A) laid out in the company's ISO 14001:2004 Environmental Management System with the addition of:-

1. In the event of a noise complaint being received by NMSB either directly or being made aware by the EA, the EHO, or the WPA, the Site Manager must inform the Environmental Manager outlining what has happened.
2. The EMS form 01 must be completed as soon as practicable by the TCM or his Deputy, giving all relevant information, together with what action has been taken. The investigation will take place within 48 hours of the complaint or incident. An action plan will then be drawn up with time scales, responsibilities and completion dates. This will ensure the site achieves continuous improvement in line with ISO:14001:2004. See Appendix B.
3. The Environmental Manager will then pass on the completed EMS form 01 to the Managing Director for comment, again this will be within the 48 hour period.
4. The company will use best endeavours to inform any complainant on the outcome of the investigation and possible remedial action within five working days. Should this not be possible for any reason the complainant will be regularly updated as to progress towards the resolution of the complaint.
5. Company resources will be considered to be available to prevent further complaints.
6. All complaints are reviewed as part of the EMS Review Meeting every 6 months.

# APPENDIX A

## **HH & DE Drew Ltd**

### **External Communication Procedure**

The company may receive communications from external parties on a variety of environmental issues. Typical types of communication could include; requests for information, complaints regarding site operations, complaints regarding services e.g. road vehicles. These complaints may occur from customers, local residence, the general public or the local authority.

General complaints from customers or general public will be dealt with under the quality system complaints procedure and may include issues of an environmental nature. The environmental coordinator will be informed by the quality manager of any such complaints received and the action taken.

The company hold a number of liaison meetings with local residents on a regular basis and also operate a good neighbour scheme. Both of these enable a two way dialogue to occur between the interested parties and the company to discuss and resolve a number of issues. These meetings are documented and any actions taken are also documented and circulated to the interested parties.

It is also company policy to have open communication with a variety of local interested parties though regular site visits. Typically this would include schools, colleges and local interest groups.

HH & DE Drew Ltd also have regular involvement with a variety of community based activities and projects such as competitions, environmental projects and charity events. A number of open days are also held periodically by the Company.

In the absence of the Co-ordinator any information received by the main office or Unit Managers or complaints with regard to environmental issues that is of an urgent nature will be passed to the Company Managing Director, who will decide upon the necessary action.

Only the Company Environmental Policy will be made available to the public.

Approved by:  
Appendix 5  
Document

T. Poole-Managing Director  
D. Hazell-EMS Manager

Date: April 2012

# APPENDIX B

 <b>H.H. &amp; D.E. DREW LIMITED</b>	<b>HH &amp; DE DREW LTD</b>
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<b>ENVIRONMENTAL COMPLAINTS</b>
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Site	Operating Company	Responsible Manager	
Date of Complaint	Time of Complaint	Name of Complainant	
Contact Details for Authority (if involved)			
Short Summary Description of Complaint			
Details of Complaint		Type of Complaint (please tick)	
		Excessive Noise	
		Excessive Dust	
		Water Pollution	
		Air Pollution-smoke	
		Light Pollution	
		Mud on road	
		Fuel or Oil Spill	
		Silo dust blow out	
		Powder spillage	
		Failure of bund	
		Other	
Improvement Plan			
Action to be Taken	Individual	Completion Date	Signed Off
1.			
2.			
3.			
4.			
Person Completing This Form		Contact Details	

EMS Form 01
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# APPENDIX C

## HH & DE Drew Ltd

### ENVIRONMENTAL MANAGEMENT SYSTEM    *Site Activity Log*

**SITE:** *Manor Farm-Pennington*

**Month**.....

**Year**.....

DATE	Inert Screening	Concrete Crushing-Screening	Shredding	Compost Operations	No Activity. Comments
1 <sup>st</sup>					
2 <sup>nd</sup>					
3 <sup>rd</sup>					
4 <sup>th</sup>					
5 <sup>th</sup>					
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29 <sup>th</sup>					
30 <sup>th</sup>					
31 <sup>st</sup>					

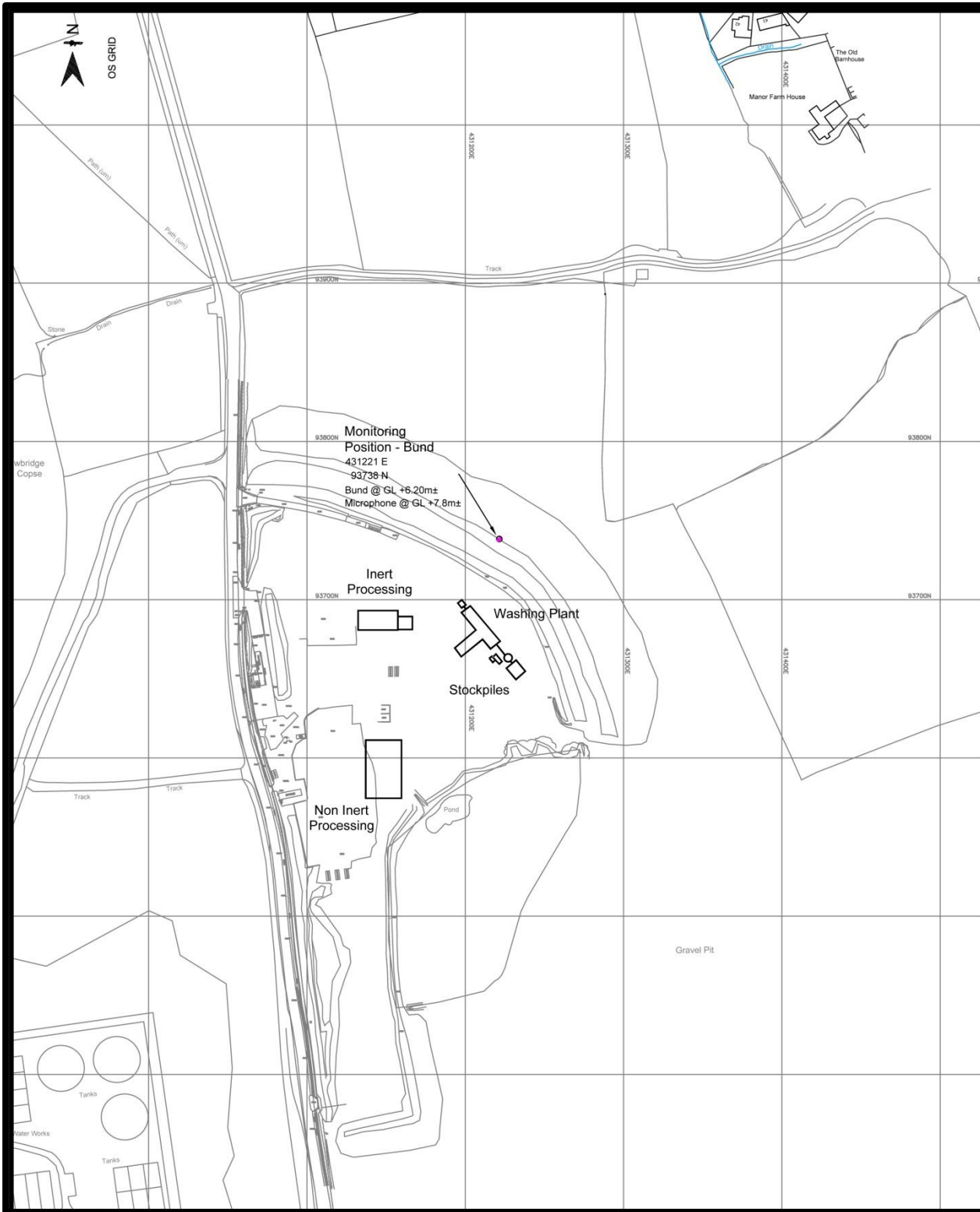
#### **Notes**

***Each day the Operational activity must be recorded on this form. It forms an integral part of the Noise Management Plan.***

## APPENDIX D

### Site Plan and Noise Monitor Location.

1. **Plan PEN-0814-A**



@ A3 50 75 100 150 200m	<b>Client</b> <b>NEW MILTON SAND &amp; BALLAST</b> <small>D.G. Yeaman Surveying &amp; Engineering Ltd          62A York Road, Bradstone, Dorset, BH18 8EU          Tel: +44 (0)1202 892852 Fax: +44 (0)1202 240247          office@dgysurveying.co.uk          www.dgysurveying.co.uk</small>	<b>Project</b> <b>PENNINGTON</b> Surveyed by: Drawn by: <b>D.G.Y.</b> Checked by:	<b>Drawing</b> <b>MANOR FARM BUND MONITORING POINT</b> Drawing No: <b>PEN-0814-A</b> Revision: