

Waste Recycling Activities – Scarcewater Tip.

Standing Instructions to Imerys Supervisors.

Waste Acceptance Criteria.

The details contained within this document are not exhaustive and should be read in conjunction with the Site Odour Management Plan 001 v3 dated October 2015 and other Site Procedures.

A number of Waste Providers / Brokers are utilised by Imerys to source waste that is suitable for use in the restoration of the Scarcewater Tip. Prior to a new waste being accepted, the provider / broker must provide a sample of waste (plus sample analysis results) to the Imerys Mineral Planning and Waste Recycling Manager. This sample is then evaluated, and the Mineral Planning and Waste Recycling Manager approves (or otherwise) that the waste material is suitable for use within restoration activities at the Scarcewater Tip site, and conforms to the requirements of the Imerys Environmental Permit.

The Mineral Planning and Waste Recycling Manager, in liaison with the Central Area Management Team identify areas that are suitable to receive specific materials which are commensurate with restoration objectives. This information is communicated to the Business Development Coordinator, Central Area Management Team, the Gateperson and the site Mobile Plant Operators, either through maps and plans or site visits. Seasonality and weather conditions at the time are taken into consideration during site selection to minimise the potential for odour to be blown towards sensitive receptors.

Acceptable materials, mixtures and spreading rates are determined by Dr Paul Gibbs (PAG Consultancy Ltd), who provide suitable mixes and spreading rates that will meet the materials balance and restoration objectives described within the Permit to the Imerys Mineral Planning and Waste Recycling Manager.

All deliveries to site are overseen by the Gate Person in line with the document entitled “Waste Recycling Activities in the Central Area. Responsibilities of the Gate Person”

The Gate Person receives on the job training from both Dr Paul Gibbs (PAG Consultancy Ltd) and Imerys site management with regard to these duties and responsibilities and is mentored on a daily basis by the Imerys Site Management Team.

All materials received on site will be stored in planned and designated locations as directed by Imerys Site Management. The specific location of these storage areas may vary with time as the restoration process progresses.

In order to manage odours all wastes will be sourced from known producers and no unplanned loads are to be accepted. If materials have the potential to be odorous, e.g. biosolids, they must be immediately mixed or covered with sand following delivery in order to suppress the odour.

Part of the assessment of each new waste stream will be to determine whether it is a less offensive, moderately offensive or most offensive waste and management of the waste will be determined accordingly, with instructions issued to the Gate Person and other relevant staff for handling the waste appropriately. The Mineral Planning and Waste Recycling Manager may advise the waste producer that the waste cannot be accepted if it falls in the most offensive category and the risk of off-site odour is deemed unacceptable.

Advanced (minimum one hour) notice is required for “most offensive” odour loads. This particularly applies to a number of sewage processing works known to produce odorous waste. The waste broker’s representative will inform the Gate Person and the Management Team that waste from these identified sites is expected. This allows for Management to arrive on site and inspect the load if needed. An assessment of the odour can then be made by a member of staff who is not based on site and is not desensitised to the odour. This pre-notification procedure also ensures that mobile plant / operators are on stand-by to immediately incorporate the waste into blended soils, reducing the odour risk. If necessary, the load will be rejected if too odorous to manage without causing nuisance to nearby sensitive receptors.

On arrival at the site, all wastes are to be inspected prior to tipping, any non-conforming wastes will be rejected.

Non-compliant loads will be identified by the Gateman via a visual and olfactory inspection. The Gate Person is aware of the usual odours associated with waste accepted on site. Loads of bio-solids or other “most offensive” wastes will be rejected if the odour is substantially worse than that usually associated with that particular waste stream.

All waste will be accepted or rejected in accordance with the Duty of Care for wastes and appropriate records will be maintained as detailed in the document Waste Recycling Activities in the Central Area – Standing Instructions Gateman V6 August 2019.

No Hazardous Wastes will be accepted. A number of wastes which are included on the Permit, which have the potential to contain traces of hazardous materials or which can have variable characteristics form an important element of the restoration mix, are available from waste producers. These wastes are predominately Compost Like Output (CLO), some of which are produced via the processes used in Mechanical Biological Treatment (MBT) plants. The variable nature of feed material to these plants can give rise to inconsistency within the CLO product.

To ensure compliance with the Waste Permit, regular sampling and analysis of materials ‘as received’ will be undertaken. Sampling will be undertaken on a frequency of no less than 3 months. The results of these analyses will be cross referenced with analysis results provided by the material producer to ensure consistency of supply. Any significant differences / changes in quality will be investigated. If no reasonable explanation can be found which accounts for variations in quality, deliveries will be suspended and a thorough investigation will be

undertaken. The investigation will include liaison with the waste broker and producer and, if deemed necessary, may involve a visit to the waste producer.

If, following the investigation, the causes for adverse change in quality cannot be identified and / or rectified then further deliveries of the particular waste stream will not take place until such time as material of acceptable and consistent quality can be guaranteed.

J Vine
Mineral Planning and Waste Recycling Manager