**MANURE MANAGEMENT PLAN - Happylands Pig Farm**

***Manure Spreading Risk Maps***

**Land available: Happylands Farm, North Owersby**

**A map of land with different colored areas

AI-generated content may be incorrect.A white background with black text

AI-generated content may be incorrect.Happylands Farm , North Owersby**

**Happylands Pig Farm**

**Land available for spreading**

### **Table 1: Field List of land area available for spreading**



**Area available for spreading: 147.28 - (8.8 + 0 + 0) = 138.48 ha**

**Table 2: Calculating minimum area of land needed**



**Annual quantity of organic manure exported off the farm:**

**249 – 138.48ha = 110.52ha required for Export.**

**Happylands Pig Farm**

***Manure / Slurry / Fuel / Silage Storage (SSAFO)***

Include an inventory of all facilities used for the storage of manures, slurries and dirty water. This may be taken from your buildings inventory.

##### Table 3: Inventory of manure and slurry storage facilities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Building/facility** | **Number of tanks or stores** | **Dimensions (m)**  *Effective storage depth is stated excluding freeboard\** | **Total storage capacity** *Excluding freeboard volume* | **Typical storage period** |
| Current Midden 1 2017 - Owersby Farm | 1 | 18.5m x 21.5m x 3m  **= 1193m³**  w/v of FYM  500kg’s/m³ | **600t** |  |
| Proposed NEW Midden 2 | 1 | 23.5m x 28.4m x 3m  **= 2000m³**  w/v of FYM  500kg’s/m³ | **1000t** |  |
| **TOTAL** |  |  | **1600t** | **6.85 months**  **(equivalent to 2 batches Storage**) |
| No Fuel, No Silage. |  |  |  |  |

***Calculation of FYM Manure Storage***

* FYM is to be loaded into trailers and transported off site to surrounding fields when the FYM pad is full and temporary storage heaps used on the fields that the muck is destined to be spread.
* The FYM is spread when seasonal crop rotation allows in the autumn and spring.

**Export Options**

* Holton Farms (neighbouring farm) is available for exporting FYM from Happylands Farm.
* Holton Farms has 400ha that is suitable for spreading. This surpasses the required 110ha for export. They would prefer to target FYM incorporated pre Sugarbeet on a rotational basis, say 60ha ideally which would be a 1 in 6-year rotational FYM application.
* 60ha x 30t/ha = 1800t per annum Exported to Holton Farms. (The new FYM pad has been calculated to take this amount annually, so Holton farms will take the entire stock on this pad that is produced from the new sheds)
* Remaining 1000t left for Happylands Farm.
* 1000t / 30t/ha = 33ha per annum to rotate around Happylands farm.
* Happylands Farm has 147ha of land so would be on a 4.4year rotation.
* Holton farms will have the FYM from the New 2025 FYM pad and Happylands farm will have the Muck from the Old 2017 FYM pad which will fit the proposed tonnages above.

***Happylands Pig Farm***

***Drainage Plan of Farm***

