

017 NVZ Regulations - Storage Requirements



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|-----------|----------------|
| Farmer | JMW Farms |
| Farm Name | Danby Pig Unit |
| Date | 01/12/2019 |

| Livestock Type | Average Numbers | House Type | Proportion Collected as Slurry | Volume per Head per | Total Monthly Volume m ³ |
|---|-----------------|---------------|--------------------------------|---------------------|-------------------------------------|
| Pig 31-66kg | 4000 | Fully Slatted | 100% | 0.1 | 400.00 |
| Pig 66kg plus | 4000 | Fully Slatted | 100% | 0.13 | 520.00 |
| Total Slurry Collected m³ | | | | | 920.00 |

Data

Slurry Store Size Length Width Depth metres

Average Cows in Milk

Open dirty yard area 0 m³

Wash Water

| | | | |
|------|-----|--------|--------|
| 6500 | 1.9 | 0.0043 | 53.105 |
| 6500 | 1.6 | 0.0043 | 44.72 |
| | | | 97.825 |

| | |
|----------------------------------|-----------------------------|
| Existing Slurry Lagoon Size | 2660 m ³ |
| New Slurry Store Size | 7311.22 m ³ |
| Rainfall | 65 mm |
| Rainfall on Store | 61.71815 m ³ |
| Wash Water | 97.825 m ³ |
| Rainfall on Yards | m ³ |
| Total Monthly Production | 1079.5 m³ |
| Storage period | 6 months |
| Storage Capacity Required | 6477.3 m³ |
| Surplus / Deficit Storage | 3494.0 m³ |

Slurry tank= 34.77m diameter by 7.7m tall (excluding 300mm freeboard) = 7311.22m³

store surface are = 949.51m³

Slurry tank= 15.6 m diameter by 7.26 m (300mm freeboard) = 1330.3 m³ * 2 tanks = **2660m³**

No dirty yard area