**ENVIRONMENTAL IMPACT ASSESSMENT**

|  |  |
| --- | --- |
| **Title** | Sewerage |
| **Aspect** | Sewerage from toilets in Creamery flows to external sump, where it is pumped into a Klargester Bio-Disc, a system designed to accept crude domestic sewage and produce an effluent of suitable quality for discharge to a soakaway system.  |
| **Environmental Impact** | Potential released into the environment through drainage faults could cause a range of chemical/biological changes if reaching surface water:Increases in the chemical and biological oxygen demandChanges in the turbidity of environment and potential sedimentation.Aesthetic impacts on water courses.Damage to ecosystems and organisms. |
| **Controls Measures** | Routine service and maintenance of Bio-Disc carried out by on site engineering team. |
| **Relevant Legislation** | See Register of Relevant Legislation |
| **Significance** | **Frequency****(F)** | **Severity****(S)** | **Impact****(I)** |
| **Normal** | **3** | **1** | **3** |
| **Abnormal** | **1** | **2** | **2** |
| **Emergency** | **1** | **2** | **2** |
| **Frequency (F)** Unlikely (annual) = 1Common (monthly) = 2Frequent (daily/weekly) = 3 | **Severity (S)**Minimal Environmental Impact = 1Low Environmental Impact = 2Moderate Environmental Impact = 3High Environmental Impact = 6Severe Environmental Impact = 10 |
| Environmental Impact (I) = Frequency of Occurrence (F) X Severity (S) |
| Comments / Actions / Further InvestigationsReview capacity of current Bio-Disc system as site expands in case upgrade is necessary. |