**ENVIRONMENTAL IMPACT ASSESSMENT**

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| **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 demand  Changes 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) = 1  Common (monthly) = 2  Frequent (daily/weekly) = 3 | | **Severity (S)**  Minimal Environmental Impact = 1  Low Environmental Impact = 2  Moderate Environmental Impact = 3  High Environmental Impact = 6  Severe Environmental Impact = 10 | |
| Environmental Impact (I) = Frequency of Occurrence (F) X Severity (S) | | | |
| Comments / Actions / Further Investigations Review capacity of current Bio-Disc system as site expands in case upgrade is necessary. | | | |