

Appendix D
Sludge Management Proposals
at
Thurles Sewerage Treatment Works

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Sludge Management Proposals at Thurles Sewerage Treatment Works

1.0 Thurles Sewerage Scheme Plant Improvement

This project is divided between a Civil Work Contract and a Mechanical/Electrical Contract. Contract Documents were produced by White Young Green Ltd. The two contracts were advertised on the Government Web Site on the 3rd December 2003.

The Contracts consisted of the following:

- a) Plant Upgrade - Inlet works, aeration, settling drum
- b) New items of Plant
 - Phosphorous removal plant
 - Sludge thickening equipment
 - Sludge dewatering equipment
 - Final effluent measurements and sampling

As of the 10th March 2004 a recommendation on a suitable Mechanical and Civil Contractor is in the process of being forwarded to North Tipperary County Council. Subject to Client and Department of Environment Heritage and Local Government approval all the above will commence promptly and all works will be commissioned by December 2004.

2.0 Temporary Sludge Treatment Facility and Biosolids Management Programme.

A tender was advertised in early 2003 for the provision of a temporary treatment facility at Nenagh to treat sludge from a variety of facilities in North Tipperary. Proposals were received from various operators to operate the facility for a 2 year, 3 year or 4 year period. All the operators indicated capital works would need to be done which would need Part 8 Planning. Such planning was considered difficult to obtain due to the location of the existing Plant at Nenagh. It was then decided to investigate the possibility of adapting the new works at Thurles to accept sludge from all areas of North Tipperary with the exception of Roscrea where dewatering/treatment would take place. The proposal is to create a sludge reception building which would receive both cake and liquid sludge and then to screen and dewater this sludge. This work would be carried out by North Tipperary County Council.

A separate DBO Contract is then envisaged whereby the DBO Contractor would receive the dewatered sludge from the Sludge Dewatering Building in Thurles and remove this sludge then treat and dispose of the biosolid material in accordance with the legislation. Planning will be required at Thurles Sewerage Plant. Drawings were prepared by White Young Green Ltd and the planning process has begun. Subject to planning it is envisaged that the extra capital works will be added to the construction package for the Thurles Sewerage Scheme Plant Improvement Work Contract. Again subject to planning the DBO Tenderers who previously tendered for the Nenagh temporary facility will be invited to tender for this temporary facility in Thurles (subject to procurement rules).

3.0 Wastewater Sludge Generation in North Tipperary

The sludge volumes were calculated by using sludge generation statistics provided in the document "Sludge Management Plans: A Guide to the Preparation and Implementation (FTC 1999). Given that Roscrea will be a stand alone facility the current and predicted sludge arising from Wastewater Treatment in North Tipperary is 860 tDS/year and 1119tDS/year respectively.

4.0 Programme

Thurles Plant Improvement Works Contract should be fully commissioned by December 2004.

Sludge Reception facility at Thurles (subject to Planning) should be fully commissioned by December 2004.

DBO Contract to remove/treat and dispose of biosolids from Thurles, subject to Planning/Procurement rules, will be set out so as to commence in December 2004.

Signed: _____

Jim Fitzgerald
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