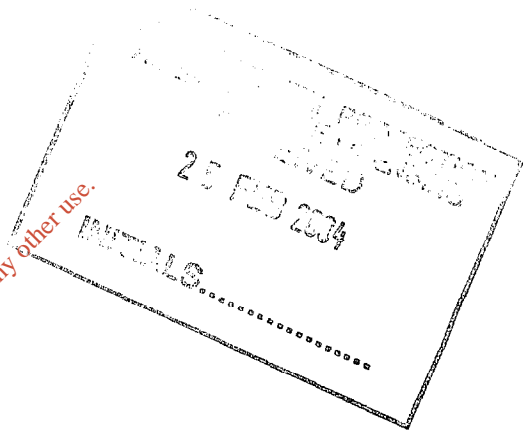


Section H

Environmental Impacts and Mitigating Measures

For inspection purposes only.
Consent of copyright owner required for any other use.



Section H – Environmental Impacts and Mitigation Measures

Section H.1 – Air (Description of Emission Points)

All current air emission points employed at 430 Beech Road as submitted as part of the Waste Licence Application 55-1 will be maintained. The carbon filter unit information has been amended to include new technology, including a coalescing vessel, which has been approved by the Agency.

This same technology will be employed in 420 Beech Road, for the installation of the corresponding STI Model 2000 unit. It is proposed that STI will slightly amend the emission point structure for the 420 Beech Road building; incorporating a single emission point for the HEPA and carbon filters instead of the current separate points. Both sets of abatement equipment are in such close proximity to each other (see Section B.3). All other emission points should mirror those currently present at 430 Beech Road.

All measures currently in place for the disposal of exhausted activated carbon and HEPA filters will be repeated in the new building.

Section H.2 – Climate

As with the Waste Licence Application 55-1, there is no evidence that the addition of the Building at 420 Beech Road, or the subsequent operations involved, will result in any significant impact on the short or long term climate of the area.

Section H.3 – Cultural Heritage

Due to extensive previous development and the nature of the surrounding area, it is highly unlikely that the proposed development will give rise to any impact upon any archaeological feature or building of historical importance, or that any archaeological deposits will be encountered.

Section H – Environmental Impacts and Mitigation Measures

Section H.4 - Ecology

The establishment of this new operation within the building at 420 Beech Road does not require the removal of any existing areas and consequently has no implications for flora and fauna. Planned landscaping will have a positive effect on the ecology of the immediate area.

Section H.5 – Human Beings

All points made in the original Waste Licence Application 55-1 hold for the extension of the site to incorporate 420 Beech Road. The population of the area is not expected to drastically change, as people will continue to be employed at the site, nor does it involve the closure of any other local facility.

Section H.6 – Hydrogeology

Neither the current STI site nor the 420 Beech Road site have direct discharges to ground water. All spill clean up procedures employed at 430 Beech Road will be replicated for 420 Beech Road.

Section H.7 – Landscape

A similar landscaping plan to the one successfully employed at 430 Beech Road (see Attachment H.7 (A1) of the Waste Licence Application 55-1) will be replicated for 420 Beech Road. A palisade fence will be erected and trees planted to harmonise the visual impact of the site with the surrounding area.

Section H – Environmental Impacts and Mitigation Measures

Section H.8 – Noise

STI has commissioned a number of monitoring studies at 430 Beech Road. These studies have revealed that the nearby Naas Road, as well as industrial traffic throughout the day contribute more in terms of noise emissions than the current STI plant. It is expected that the addition of a contingency treatment plant at 430 Beech Road will result in no significant elevation in noise levels.

Section H.9 – Surface Water

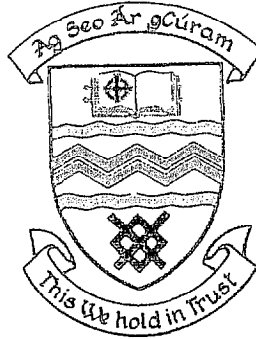
No direct discharges to surface water will take place within the 420/430 Beech Road site, all surface water being collected by the Local Authority surface water drainage system.

Section H.10 – Discharge to Sewer

As the planned operation at 420 Beech Road is similar to that at 430 Beech Road, similar discharges will occur. In light of this, the emission parameters and limits should be identical, with daily flow values and limits (proposed at 40 m³/day), a sum of the two at 20 m³/day per building. A new monitoring point will be introduced at 420 Beech Road (provisionally called TEM2).

South Dublin County Council (STI's Local Authority) have authorised this increase. A letter to this effect is included overleaf.

SOUTH DUBLIN COUNTY COUNCIL
COMHAIRLE CHONTAE ÁTHA CLIATH THEAS



Water Pollution Section,
Deansrath House,
New Nangor Road,
Clondalkin,
Dublin 22.

Ph: (01) 4570784/5/6
Fax: (01) 4574878

28/08/03

Mr. Enda Maxwell,
Sterile Technologies Ireland Ltd.,
Western Industrial Estate,
Dublin 12.

Dear Enda,

In relation to our phone conversation of 28/08/03.

South Dublin County Council has no objection to the proposed increase in trade effluent volumes from 20m³ to 40m³ resulting from the planned expansion of your operation.

As this matter will be formally addressed in a review of your existing IPC Licence we await your application at which time the volumetric limits can be adjusted.

Should you require any additional information please do not hesitate to contact me.

Regards,


Colm O'Shea,
Water Pollution Engineer.