

Non-Technical Summary

This application is to vary environmental permit EPR/WP3633BB for Lumentum Technology UK Limited's site at Caswell Science and Technology Park, Caswell, Towcester, Northants, NN12 8EQ.

The facility is situated at National Grid Reference SP 65100 51000. The site is approximately 4.5km to the north west of Towcester town. It has a rural setting, surrounded by agricultural land and individual residential properties.

Operations at the site relate to the development and supply of advanced electronic materials technology and products (semiconductor materials and devices for microwave and optoelectronic systems) to external companies.

The variation seeks to permit a number of changes to the existing permitted activities. These include:

- Removal of the wet scrubber system and associated emission points.
- Removal of stacks that are no longer in use (Emission Points A01, A02, A06, A07, A08, A16, A18, A19, A20, A21, A22).
- Addition of a number of new emission points to air.
- Addition of nitrification tank within the effluent treatment plant (ETP) to provide additional control on emissions of ammonia from the site.
- A replacement town's water treatment plant to produce high quality water to meet manufacturing needs
- Removal of reference to selenium and selenium compounds that are no longer used in production

No new processes will be introduced as a result of the variation. There is no change to the permit boundary associated with this variation, all changes are within existing buildings within the current permit boundary.

An air emissions screening assessment has been carried out to consider the impact of emissions to air, and concluded that emissions are insignificant. However, the EA highlighted uncertainty around using a proxy assessment level for Dinonyl Phthalate. Further detailed dispersion modelling was carried out, and confirmed that the effects of the facility are not considered to be significant.

The existing permit is issued to Oclaro Technology who are now part of Lumentum Technology UK Ltd. The variation will also update the permit to Lumentum Technology UK Limited.