

Information note regarding Irish Cement Ltd. P0029-03

Update 16/05/17

This information note is issued as a follow up to the information note issued on the 09/05/17.

Activities at Irish Cement:

As part of Compliance Investigation CI001466 into dust emissions from Irish Cement, the EPA requires weekly updates on the licensee's "root and branch" analysis of activities onsite. As part of the root and branch analysis, Irish Cement has carried out the following measures:

- Guards have been put around limestone transport to the Blendomat building;
- Replaced bags at 64805 filter as part of preventative maintenance;
- Cladding has been installed at CM6 and CM7 buildings around Limestone conveyors;
- Sheeting completed at bottom of clinker reject silo;
- Underside of clinker transport to Cement Mills sheeted;
- Netting installed for fresh air dampers around CM6 and CM7;
- Water cannons on site to aid dust suppression;
- Netting installed for fresh air dampers around CM6 and CM7;
- Pans being replaced on clinker transport to Cement Mills as part of preventative maintenance;
- Netting installed for clinker transport to Cement Mill Clinker silos;
- Netting installed at the Off Spec Clinker chute;
- Water Bowser and road sweeper in operation;
- Repairs carried out to doors in Cement Mill building.

Air Quality Monitoring:

The EPA set up an Osiris ambient dust monitor in the Sli Na Manach housing estate on the 26/04/17. The monitor provides results for the following particulate fractions:

- Total suspended particulates (TSP);
- PM₁₀ (particles with a diameter of 10 microns or less);
- PM_{2.5} (particles with a diameter of 2.5 microns or less);
- PM₁ (particles with a diameter of 1 micron or less).

Statutory air quality limits are specified for both PM₁₀ and PM_{2.5}, for the purposes of the protection of human health, as follows:

- PM₁₀ – 24 hour average limit of 50 µg/m³;
- PM₁₀ – annual average limit of 40 µg/m³;
- PM_{2.5} – 24 hour average limit of 25 µg/m³.

The Osiris analyser is set up to take a reading every fifteen minutes and the data is downloaded weekly. Analysis of this data for the period April 26th to May 02nd 2017 and for the period May 3rd to May 9th 2017 indicates that the measured PM₁₀ and PM_{2.5} results are within the statutory limit values. More detailed Information on the readings from this analyser is provided on the Irish Cement Limited P0029-03 webpage at epa.ie.