

## **Installation description**

The Operator undertakes activities for the storing, loading or unloading cement in bulk prior to further transportation in bulk as well as the blending of cement in bulk or using cement in bulk, other than at a construction site, for the batching of ready-mixed concrete and the manufacture of concrete blocks and other cement products.

There is a bulk cement silo at the installation to supply the volumetric concrete mixers.

### **Cement handling – transportation in bulk**

An auger transfers cement from the volumetric cement silo into the sealed cement compartment of the volumetric concrete mixer. Aggregates (20 – 5 mm graded stone and 0 – 2 mm washed fines) are loaded by mechanical shovel into the aggregate compartments of the volumetric concrete mixer, which are then sheeted prior to the concrete mixer proceeding to the delivery location. All concrete mixing takes place at the delivery location; since this location is a construction site, the mixing process is not prescribed.

### **Manufacture of concrete blocks and other cement products**

Concrete is mixed via the mobile volumetric concrete mixers. The concrete is poured into moulds within the block making area. The blocks are allowed to cure naturally and no heat is applied. Blocks are removed from the moulds after a period of time and stored within the storage yard to fully cure.