

OCS Odour Control Product Selection Options

Sewage and Effluent Treatment Plants

peace'mak'er, n.

- One who makes peace or reconciles parties at variance
- Allays agitation, calms

DI-OX™ a.

- Di, double, twice
- Ox, beast of burden, hence patient & powerful

Due to its continuous policy of research and development, the Company may alter product specifications without prior notification.

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The following information is a guide to the application of OCS Odour Control Products and Systems for effective odour control for Sewage and Effluent Treatment Plants

Works Inlet Wells & Channels

Problems

Usually odours due to septic influent arriving at works which can be controlled by dosing OCS DI-OX or BIO-DOX upstream.

Measure odour potential using OCS Sulphide Detector Tubes.

OCS Options

- Cover inlet wells and channels/chambers and exhaust through Peacemaker Filter-Scrubber.
- Install DI-OX 2000 Spray Injection System spraying DI-OX 2000 Oxidising Solution into open wells and channels.
- Introduce dosing of OCS DI-OX Plus into Inlet Stream at approximately 5 – 10ppm based on flow.

Primary Sedimentation Tanks & Desludge Wells

Problems

Usually odorous due to infrequent desludging of tanks giving rise to sulphide generation into top water, creating odour as top water tumbles over weirs. Also septic influent will if untreated create same problem in primary tanks.

Also odour release from desludge wells when sludge is removed from tanks measure odour potential of tank top water using OCS Sulphide Detector Tubes.

OCS Options

- Cover desludge wells and exhaust through Peacemaker Filter-Scrubbers
- Dose OCS BIO-DOX or DI-OX MAX at works inlet.
- Install DI-OX 2000 Spray Injection System spraying DI-OX 2000 Oxidising Solution into weir channels.

Percolating Biological Filters and High Rate Filters

Problems

Biological filters can become odorous due to septic or odorous sewage being fed on to them via primary tanks or if they become overloaded and clogged, creating septic pockets within the filter.

OCS Options

- Dose OCS DI-OX through inlet and primary tanks or if only a major problem exists at filters dose at inlet to filters due to its rapid treatment.
- Install DI-OX 2000 Spray Injection System over filters (particularly High Rate filters).
- Cover High Rate Filters and exhaust through OCS Peacemaker Filter-Scrubber System.

Activated Sludge (Aeration) Plants

Problems

Release odours if D.O. levels drop too low and system becomes anaerobic. Also, can release odours if odorous effluent from primary tanks is fed to the plant.

OCS Options

- Dose OCS DI-OX at convenient chamber for mixing between primary tanks and aeration.
- Install OCS DI-OX 2000 Spray Injection System over aeration plant.

Sludge Holding Tanks

Problems

Odours released from stored sludges within tanks and from decanting liquors. Check odour potential by measuring sulphide in decant liquors using ocs sulphide detector tubes.

OCS Options

- Dose sludges with OCS BIO-DOX if problem is predominately sulphide based at convenient sludge well or pump house chamber.
- Cover tanks and exhaust gases through OCS Peacemaker Filter-Scrubbers.
- Dose decant liquors only (if not dosing all sludges) with DI-OX to deodorise instantaneously during decanting and to eliminate odorous liquors sent back to works inlet and primary tanks.

The list is intended as a guide to product selection. Please consult the company for detailed data sheets, dosing application and pricing information. Engineering site visits to discuss particular requirements are always recommended.

preserving the environment

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