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Suite 500-885 Dunsmuir Street Vancouver, British Columbia Canada V6C 1N5 | [www.xogen.ca](http://www.xogen.ca)

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# **Xogen Mobile Treatment Plant**

**Model Number: XTI-MA480-4**

**S/N: 001-2018**

## **Specification**

Prepared by: Xogen Technologies Inc.

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**Revision: C**

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## The Mobile Treatment Plant - Introduction

Xogen's mobile treatment plant is a 1:1 scale commercial demonstration unit for Xogen's Advanced Electro-Oxidation (AEO) technology. This mobile plan is designed and built specifically for the removal of ammonia from wastewater. The operating history of this plant includes the installation, commissioning, operation and decommissioning at 3 landfill sites in the U.S. and Canada where removal of up to 1000 ppm of ammonia was achieved from landfill leachates.



## Mechanical Specifications

- Dimension: 20 ft (L) x 10 ft (W) x 10 ft (H),
- Clearance: an extra 5 ft clearance required on all dimension for installation
- Weight: 15,000 lbs
- Wastewater intake: 1" camlock (male)
- Fresh water intake: 1" camlock (male)
- Wastewater discharge: 1.5" camlock (male)
- Wastewater draining: 1" camlock (male)
- Backwash draining: 1" camlock (male)

## Electrical Specifications

- Voltage: 480 VY
- Phase: 3
- Frequency: 60 Hz
- Full load amps: 80A
- Main disconnect size: 200A
- System approval and classification: METus GP
- Panel approval and classification: METus GP to UL508A

## Site Requirements

- Supply a level space for the mobile plant of 25'(L) x 15'(W) to accommodate plant weight of up to 15,000 lbs
- Supply space near the mobile plant to install accessory holding tanks
- Supply the required wastewater up to 10 GPM
- Supply a discharge point for the treated wastewater
- Supply fresh water required for backwash
- Supply required appropriate electricity connection to the mobile plant
- Supply internet connection to the mobile plant for remote monitoring purposes; this can be hardwired, wireless or line-of-sight

## Additional tankage/storage outside of plant

- 275-gallon fresh water holding tank
- 50-gallon backwash effluent holding tank

