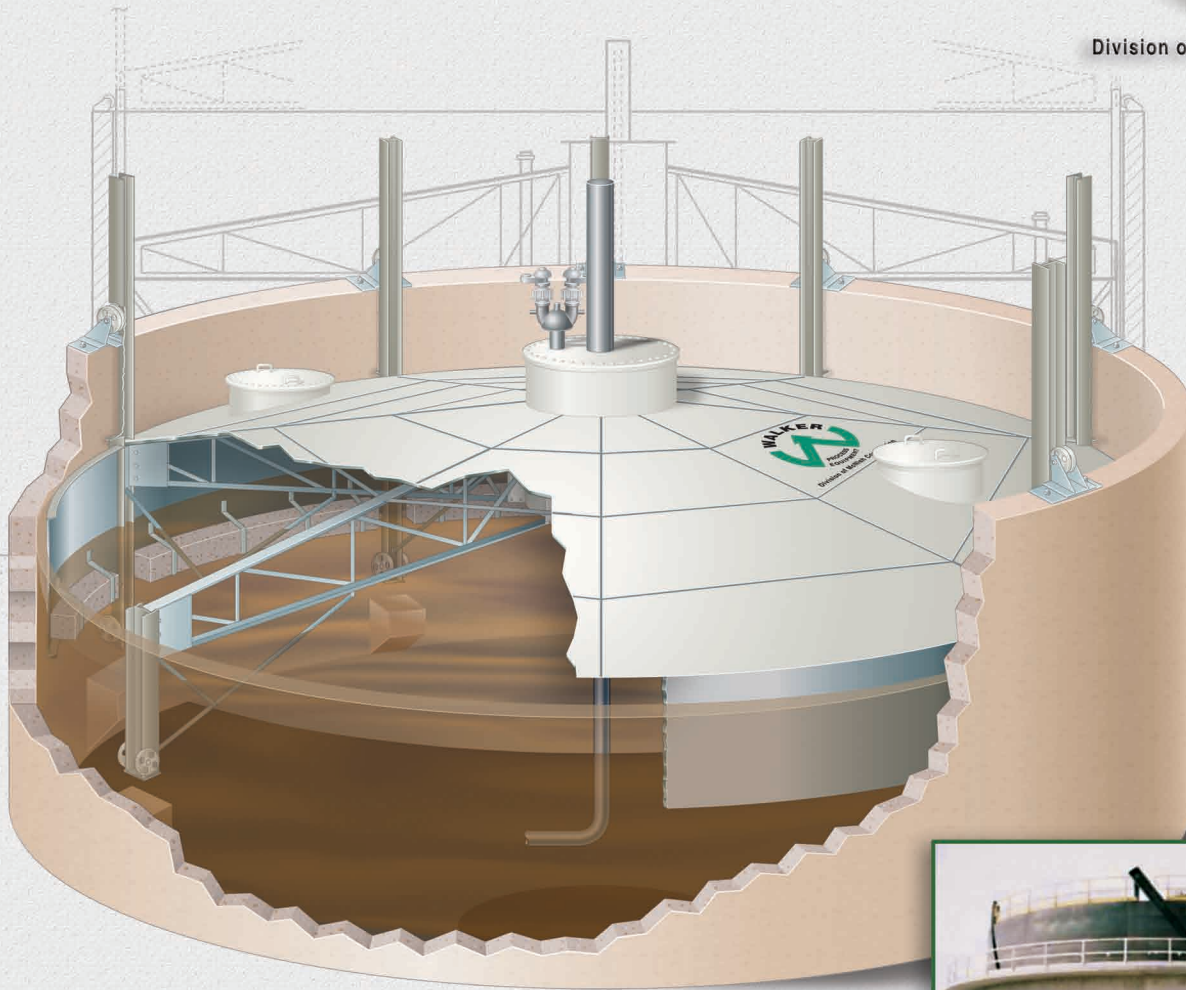


# Anaerobic Digester Gas Holder Cover



Division of McNish Corporation

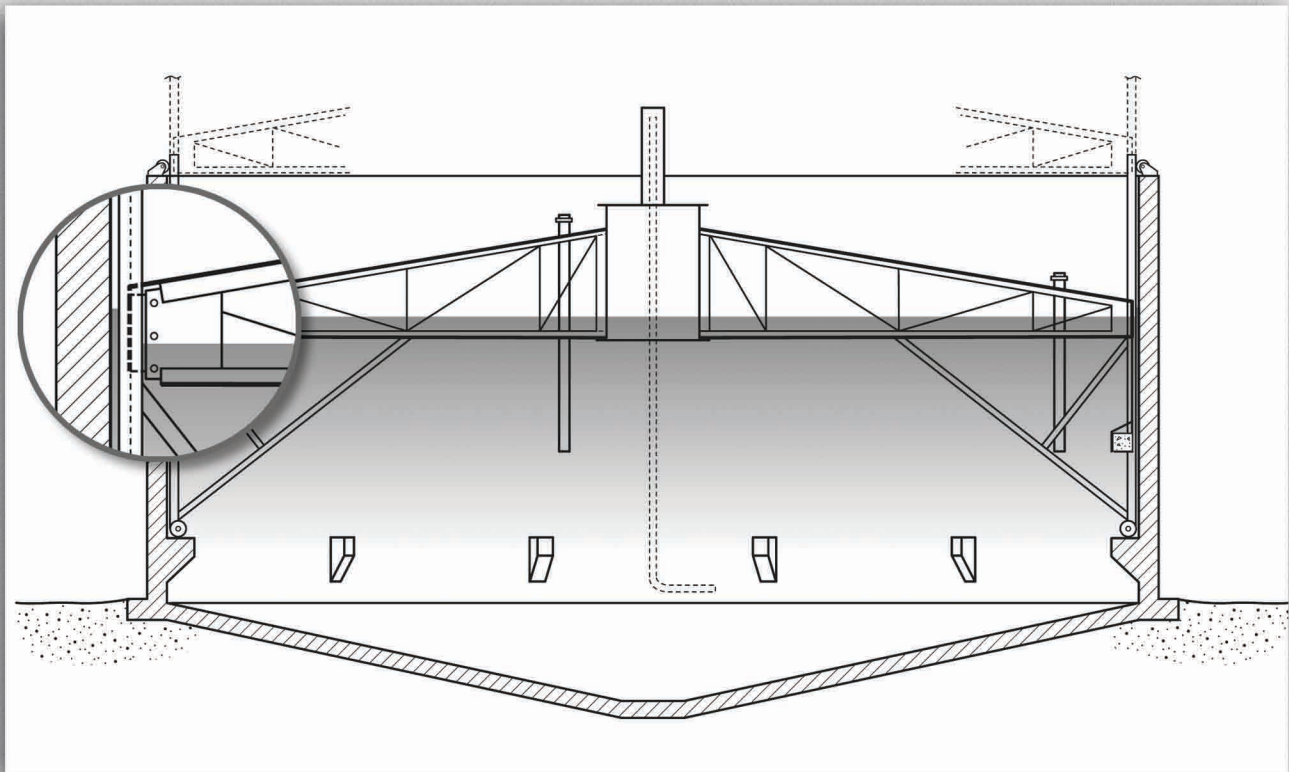


## Gas Holder Cover

Frame Designed - Radial Truss - Vertical or Spiral Guide

Time-Tested, Longest Lasting Digester Cover in the Industry

- **Low Profile - Radial Truss Frame Construction - Completely Self Supporting.**
- **Frame Design for High Structural Factor of Safety.**
- **Readily Insulated.**
- **Variable Volume with Constant Pressure.**
- **Hundreds Installed with Proven Long Life Over Decades of Service.**
- **Typical Sizes Range from 20 to 100 Feet in Diameter.**
- **All Walker Process Covers are Custom Designed for Project Specific Loading Conditions.**
- **Inherently Stronger and More Substantial than Membrane Type Covers.**
- **Typical Application - Secondary Digester with Constant or Variable Sludge Level .**
- **Typical Design Pressure to 16 Inches W.C.**



## Conservative Design for Long Service Life

**Walker Process Gas Holder Covers** are constructed with tapered radial trusses and designed based on a conservative frame design method that takes into account both the main structural elements and elements of the plate work for analysis of structural integrity.

After field welding is completed, the finished structure demonstrates superior strength and durability because the structural framework and steel plates work together as an integral unit.

The truss design produces a durable and stable cover with superior frame strength for a long safe service life.

### Main Radial Supports

Radial Truss design produces maximum structural integrity.

### Gas Dome

Provides the structural connection for the radial trusses. Includes a top plate for mounting gas lines, Pressure/Vacuum Relief valve, and other accessories.

### Rim Plate

Minimum ¼ inch steel plate with depth to provide desired gas storage volume at constant pressure.

### Purlins

Structural members connected between main rafters to provide lateral bracing, rigidity and support for the roof plates, minimum ¼ inch thick.

### Roof Plates

Minimum ¼ inch thick plate field welded to supporting structure.

### Guide System

Vertical or Spiral Guide Systems

Heavy Structural Wide Flange Beams each with 10 ¾ inch diameter cast iron rollers.  
ALSO AVAILABLE WITH SPIRAL GUIDE SYSTEM WITH SLIDE BLOCK or ROLLER DESIGN

### Anchorage

Anchor assemblies placed at each wall guide.

### Appurtenances

Access hatches, sampling wells, pressure/ vacuum relief valve and cover position indicator

Walker Process has continuously provided and improved steel digester covers since 1948.

**See our complete series of digester covers including; fixed cover, gasholder, and combination floating cover/gasholder.**

## Walker Process Equipment

Division of McNish Corporation

840 N. Russell Ave. • Aurora, IL 60506 • 1-800-992-5537

[www.walker-process.com](http://www.walker-process.com)