SMART PAK® with
SMART SPONGE® PLUS
EPA Reg. No. 86256-1 EPA Est. 066256-AZ-001

This Product Contains:
ACTIVE INGREDIENT: 3-(trimethoxysilyl) Propyl(dimethyloctadecyl)
ammonium chloride 4.5%
OTHER INGREDIENTS 95.5%
TOTAL 100%

KEEP OUT OF REACH OF CHILDREN
CAUTION

- Smart Sponge® Plus reduces coliform bacteria found in stormwater, industrial wastewater and municipal wastewater.
- Smart Sponge® Plus is an antimicrobial product that reduces coliform bacteria found in stormwater, industrial wastewater and municipal wastewater.
- Smart Sponge® Plus contains an antimicrobial agent that is effective in reducing coliform bacteria found in stormwater, industrial wastewater and municipal wastewater.
- Smart Sponge® Plus has antimicrobial capabilities that make it effective as a filtration media to reduce coliform bacteria found in stormwater, industrial wastewater and municipal wastewater.
- Smart Sponge® Plus offers engineered [field] solutions for reducing coliform bacteria in stormwater.
- Smart Sponge® Plus offers engineered field solutions for reducing coliform bacteria in stormwater, industrial wastewater and municipal wastewater.
- Smart Sponge® Plus can be engineered using controlled test parameters (such as modifying flow rates and coliform bacterial concentration) to meet your performance requirements.
- Smart Sponge® Plus is designed to assist water systems to meet Total Maximum Daily Load Limits (TMDLs) for coliform bacteria.
- When properly installed and maintained, Smart Sponge® Plus provides a significant reduction in coliform bacteria.

LOT NO. NET WEIGHT:

Manufactured by:
AbTech Industries, Inc.
4110 N Scottsdale Rd, Suite
235,
Scottsdale, AZ 85251
SMART SPONGE® PLUS

EPA Reg. No. 66256-1  EPA Eti, 088256-AZ-001

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CAUTION

- Smart Sponge® Plus reduces coliform bacteria found in stormwater, industrial wastewater and municipal wastewater.
- Smart Sponge® Plus is an antimicrobial product that reduces coliform bacteria found in stormwater, industrial wastewater and municipal wastewater.
- Smart Sponge® Plus contains an antimicrobial agent that is effective in reducing coliform bacteria found in stormwater, industrial wastewater and municipal wastewater.
- Smart Sponge® Plus offers a unique solution for reducing coliform bacteria in stormwater.
- Smart Sponge® Plus offers an innovative solution for reducing coliform bacteria in stormwater.
- Smart Sponge® Plus can be engineered using a controlled heat process (similar to exposing heat exchanger and coil areas) that increases bacterial concentration to meet your performance requirements.
- Smart Sponge® Plus is designed to assist water providers to meet TMDL requirements for coliform bacteria.
- When properly installed and maintained, Smart Sponge® Plus provides a significant reduction in coliform bacteria.

LOT NO.: 123/2014

NEW C15

DATE REVIEWER: 4/25/15

STRUCTURE AND INSTALLATION

The Smart Sponge® Plus filtration systems are designed to be installed in multiple configurations. Products incorporating the Smart Sponge® Plus technology do not require expensive equipment or systems, such as the Ultra-U™, which will be the Smart Sponge® Plus technology that is most suitable for installation.
In many applications, visual inspection and initial observation for wetted flash and leaks on the vessel base, shell, heads, and any other component. In addition, the vessel can be cleaned as necessary for damage or corrosion. Any cracks, rusting, or leaks must be repaired immediately. Major maintenance must be conducted if determined necessary following the inspection of Smart Sponges plus filtration systems. Minor maintenance includes checking pressure relief devices, hydraulic testing, and replacement of any Smart Sponges Plus filters. This is the routine, or required, in general, and the Smart Sponges Plus filter is replaced when it is determined by a visual inspection. A visual inspection should be performed every six months, or by the manufacturer, to determine if the filter is still in service.

In general, the Smart Sponges Plus filter is a pressure differential filtration system designed to improve the quality of wastewater effluent from the vessel and to reduce maintenance costs. It is a replacement for filters that are currently in use.

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After the installation of the Smart Park's facilities and Smart Sponge, the maintenance procedures are crucial to ensure the long-term performance and sustainability of the installation. This section highlights the key aspects of maintenance and operational procedures to be followed to maintain the effectiveness of the Smart Park system.

**Maintenance**

**Frequency**

Maintenance activities are scheduled to take place annually to ensure the continued optimal performance of the Smart Park's facilities and Smart Sponge. This includes regular inspections, cleaning, and repairs. The maintenance schedule is designed to identify potential issues before they escalate, minimizing the need for major repairs and reducing operational costs.

**Inspection and Maintenance**

The Smart Park system comprises various components, each requiring specific maintenance protocols. Regular inspections are crucial to identify any issues early and prevent them from becoming more significant. These inspections are performed to ensure the structural integrity and functionality of the system.

**Inspection Protocols**

- **Smart Park**: Once a year,进行全面的检查，确保所有设施处于良好的工作状态。
- **Smart Sponge**: The Smart Sponge system requires regular cleaning to maintain its efficiency. Typically, this involves removing debris and maintaining the filtration process to ensure water quality.

**Maintenance Activities**

- **Inspection**: Regular inspections of the Smart Park's facilities and Smart Sponge are conducted to assess their condition and identify any necessary repairs or maintenance.
- **Cleaning**: Regular cleaning of the Smart Park and Smart Sponge components to maintain water quality and prevent fouling.
- **Repairs**: Timely repairs to address any issues identified during inspections to ensure the system remains functional.

**Maintenance Schedule**

- **Annual Inspection**: Conducted once a year, comprehensive inspection to evaluate the overall condition of the Smart Park and Smart Sponge.
- **Quarterly Cleaning**: Regular cleaning to maintain water quality and prevent fouling.
- **Weekly Repairs**: Focused on addressing minor issues and maintaining system efficiency.

**Operational Considerations**

- **Water Quality**: Monitoring water quality is critical to ensure that the system's performance is consistent and that the water being treated remains safe for consumption.
- **Energy Efficiency**: Regular maintenance helps in optimizing energy consumption, making the system more efficient and cost-effective.

**Maintenance Guidelines**

1. **Inspection and Cleaning**: Regular inspections and cleaning are essential to maintaining the efficiency and longevity of the Smart Park and Smart Sponge system.
2. **Repairs**: Prompt repairs are necessary to prevent minor issues from escalating into major problems.
3. **Record Keeping**: Maintaining detailed records of maintenance activities helps in tracking the system's performance and identifying trends over time.

By following these maintenance protocols, the Smart Park and Smart Sponge system will continue to provide clean and safe water, enhancing the quality of life in urban environments.
After maintaining the hydraulic system and assuring the need for replacement of the headset of the SmartPA Vault with Smart Spunge, it was found in the field, the head moved to Mountlake, and the return to the build.

Frequency:
The pump system for maintaining the lowing of the gas flow through the SmartPA Vault with Smart Spunge Plus is sufficient for normal operations and meets high maintenance.

Duplicated flow path will improve reliability, from meters to the base of the motors. A flow through the pump will reduce the amount of work during test runs. Eventually, the flow through the system will be low enough to replace the replacement of the SmartPA Vault. It may be possible to extend the useful life of the SmartPA Vault by removing the periphery from the system, tapping devices on a new tank to work on the valve to prevent corrosion from long periods of disengaged and disengaged in the system.

The required gravity between maintenance requirements. SmartPA Vault with Smart Spunge Plus will be found in areas with a low rate of water consumption, must be inspected and maintained more often when there is fully stabilized areas.

Maintenance frequency may be subject to withdrawal according to information requested for the inspection program. Areas that display high water pressure can cause frequent water damage, but damage is not as prevalent, particularly in large systems.

Ultimately, inspection and maintenance schedules will be subject to local conditions and the condition of the individual SmartPA Vault with Smart Spunge Plus. The maintenance entity must develop a database to properly manage Smart Spunge installations.

Prior to the development of the maintenance program, the following maintenance frequencies must be observed:

- Major maintenance:
  - Slight per year
  - Electrical per year
  - Major maintenance:
  - Slight per year
  - Electrical per year

Maintenance frequencies must be reviewed, and maintenance is required on an annual basis to determine information obtained during a particular period to justify a different replacement schedule.

Once an understanding of the maintenance activities have been established, a specific maintenance schedule must be developed.

Maintenance Disposal:

As in most chemicals, the storage, safety, and disposal of Smart Spunge Plus must be tested and approved by the Responsible party.

Appendix A:

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Inspect and remove debris, debris, etc.</td>
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<tr>
<td>2</td>
<td>Replace water as required.</td>
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<tr>
<td>3</td>
<td>Clean up spill, and inspect for absence of abnormality.</td>
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<tr>
<td>4</td>
<td>Repair or replace damaged or deteriorated electrical components.</td>
</tr>
<tr>
<td>5</td>
<td>Remove obstructions from the fuel tank.</td>
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<tr>
<td>6</td>
<td>Perform hydrostatic test using Hydrostatic Test.</td>
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<tr>
<td>7</td>
<td>Remove the contaminated media and replace with new media.</td>
</tr>
<tr>
<td>8</td>
<td>Record O&amp;M procedures as needed for other devices.</td>
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<tr>
<td>9</td>
<td>Notify Agency or owner representative.</td>
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Appendix B:

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>SMARTPA Vault with Smart Spunge Plus</td>
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Appendix C:

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<th>No.</th>
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