

Maintenance Research Bulletin: May 2020

NTREC New Technology Research Equipment Committee
MOR Maintenance Operations Research



Vacuum De-watering Box

This Vacuum De-watering Box can be used to De-water solid sludge. They use a disposable filter cloth to enhance De-watering efficiency. The box can be cleaned without removing any components or filter panels because of the space between the screen supports and box walls.

The purpose of this De-watering Box is for use in De-watering sediment or sludge removal from drains and flammable traps that is considered hazardous material and cannot be disposed of without the water and sediment being dried out or separated. This De-watering box will also allow us to do on-site De-watering of bigger grit chambers and spin down separators. This gives us the ability to transport the material and dump it right out of this box at the HAZ/Mat handler, just like a roll off dumpster.

The testing will have the Oakdale Drainage Crew continue to use their current De-watering bin at Oakdale TS and use the new De-watering box in a side by side comparison for a period of 12 months. They will document time for De-watering and material processed from each bin. They will also attempt to evaluate any cost savings, improvement in quality and improvement in safety.

For more information contact:

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Upcoming Events

Events subject to be
changed due to the
COVID 19 outbreak.

Stay Healthy!

NTREC Spring Meeting

St. Cloud, MN
May 6, 2020
Skype Meeting

Demo Days

Bemidji, MN
Postponed

Maintenance Research Website:

<http://www.dot.state.mn.us/maintenance/research.html>

Comments / Questions

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