

Innovation and Resiliency— Montague, MA Upgrades Sludge Dewatering to Meet New Demands

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History of Problem



- * Mill Town
- * 2017 last mill shutdown permanently
- * Waste and sludge changed
- * Fournier Press made for paper pulp (course sludge)

Attempts to Resolve Problem

- * Ran Fournier “low and slow”
- * longer pressing shifts-overtime
- * Constant tweaking of primary and secondary sludge mix
- * Constant need for gravity thickener
- * Still unable to press out enough—backlogged on solids

Press Trials



PWTech



Huber

Why PWTech?

- * Procurement
- * Dual channel/redundancy/exp andable
- * Thickens and dewatering capabilities
- * Can be run unsupervised overnight



How Prepared for Install

- * Where to put it? Footprint-space
- * Supplies
- * Drainage

Installation

Staff Acted as GC

~2 month prep



Commissioning



Conclusion

- * Drier cake from 15% to 25+%
- * Energy savings-smaller motors, less run time
- * Return on investment- less than 4 years
- * **PERMIT COMPLIANCE!**

Questions?

