

Tideflex® Mixing System (TMS) Solves Icing Problem For Standpipe Located in Ontario, Canada

The Region of Peel, located in Ontario, Canada, took down their Mono Mills Standpipe in order to install a Tideflex® Mixing System (TMS) inside of the water storage tank. The region was taking a proactive approach to improve water quality and to mitigate ice formation inside of the water tank during the winter.

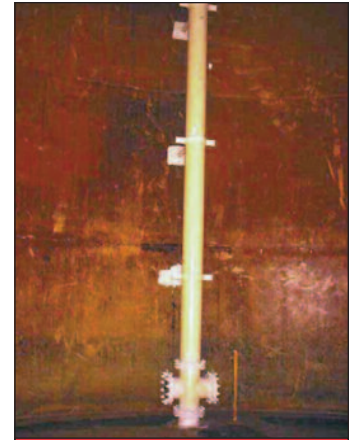
In May, when the tank had been drained, a 30' diameter by 10' deep slug of ice was still in the tank. The ice, which had developed the previous winter, took an additional \$27,000 and two weeks for a contractor to remove.



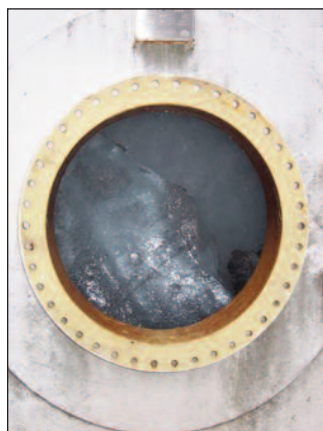
Mono Mills Standpipe



TMS Vertical Riser with Tideflex® Diffuser Nozzles Installed in Mono Mills



TMS Waterflex® Outlet Check Valves Installed in Mono Mills

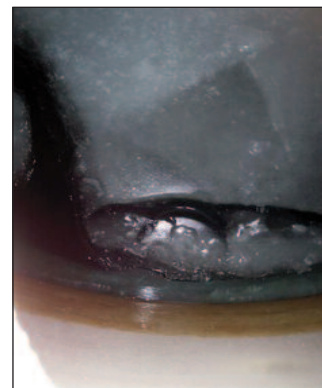


View of Ice Through Shell Hatch in Tank

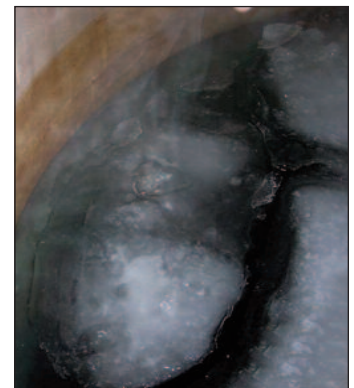


Contractors Working to Remove Ice From Tank

After the TMS was installed, videos were taken from the roof hatch showing turbulence on the water surface during filling even when the tank was near full. The tank was inspected the following March to observe level of ice build up. The Region of Peel reported a drastic reduction of ice formation with only minor patches of slush and thin ice. The TMS prevented an ice layer from freezing solid across the water surface.



Only Slush and a Thin Layer of Ice Developed in Tank After TMS Installation



TMS Prevents Ice From Freezing Solid in Mono Mills Standpipe