Tommy Car Wash Systems | *648 S. Pointe Ridge* | *Holland, MI 49423* | tommycarwash.com

Team, the following information will assist you in shutting down due to inclement freezing weather conditions.

Firstly, we recommend renting a propane-powered torpedo heater in case you lose power or decide to perform a full shutdown. If you choose to shut down preemptively, we encourage you to follow the steps below for a safe shutdown. Our main goal will be to cut power to all equipment while keeping the Reznor space heater and the water heater online in case the wash does not lose power. Having these two items online will significantly improve the wash temperature and the pipes' temperature. We also highly recommend that you keep the water flowing slightly rather than shutting it off at the city line. Please note that working inside electrical cabinets exposes you to potential dangers, including 120/480-volt circuits. It is recommended that you have an electrician if you do not have anyone on-site qualified to do this shutdown.

Electrical

1. Do a full cabinet shutdown for MCP1 and MCP2 - turn off all of the overloads, 24v breakers, and 120v breakers if the site has them
2. Vacuums - Head to your vacuum control cabinet, and shut off all motor starters and then the circuit breakers
3. Go to your SIC cabinet and shut off all PC's, then turn off the switch for the surge protectors, then unplug the backup battery packs from the outlets that they are plugged into. In the back of the SIC cabinet, turn off the lane controller breaker (CB1).
4. Turn off the breakers inside each lane gate stanchion
5. Go to your entrance module control box and turn off the circuit breaker for that RMENT box
6. Head to both airlift doors and turn off the two circuit breakers inside each box

To keep the Reznor Heater and the Water Heater running, we will not be cutting off power to any of the breaker panels (BP1, BP2, BP3)

Plumbing - (The idea behind any task involving opening a ball valve slightly to allow water flow is to create a small drip; we do not want massive water flow or no water flow.) Take your time to find a happy point where we have a small drip at the point in question.

1. Bypass your water softeners
2. Close the outgoing ball valve at the reject tank
3. Unroll the fire hose from the reel and crack open the ball valve/fire hose gun to keep water slightly flowing through the fire hose

4. If the maintenance pod sink gets water from the all-in-one, keep the maintenance pod sink dripping
5. Opened up the hot water bypass on the right side of the all-in-one station slightly - this will allow water to flow to your preblast stands
   5a. Turn slightly open the ball valve to the left of the preblast pump to allow water to flow through the high-pressure rinse lines (Photo attached)
6. RO - Close the ball valves that feed the carbon tank and unplug it - open up the valve at PRS1 to drain water from before the 5 micron filter
7. Open up the valve at PRS2 to drain water from the membranes and any water within the RO flow and Reject flow water lines
   7a. If you do not have a valve at PRS2, drain water using the drains at the bottom of the membrane housing
8. Please note that we will have to purge the RO of air before startup. The process taken here will be the same as starting back up after a membrane replacement. **Please contact equipment support to assist with this process.**

Please note that the best action is preparation. If you can rent a torpedo heater, it will be your best backup option to pair with the Reznor heater. If you need any assistance in performing any of these tasks, please call Equipment Support. Attached is the inclement weather shutdown. It is important that we do not remove power from any of the 120/220 breaker panels or the MDP (Main Distribution Panel).