

**Will this use interfere with any presently existing legal use of water?
[ref. subsection 40B-2.301(1)(b)]**

No. Project withdrawals were modeled and showed a simulated Upper Floridan aquifer drawdown of less than 0.5 feet at the project boundary and no complaints of interference have been received by the District for the existing withdrawals at the project. Therefore, groundwater withdrawals at this project are not expected to interfere with any presently existing legal uses of water.

**Will this use be consistent with the public interest?
[ref. subsection 40B-2.301(1)(c)]**

Yes. The use of water for industrial purposes is consistent with the public interest.

**Will this use be in such a quantity that is necessary for economic and efficient use?
[ref. subsection 40B-2.301(2)(a)]**

Yes. The permittee will implement the following water conservation measures for the industrial uses: using thermostat controlled throttling valves to regulate cooling water to a minimum; recycling wash-down water to supply vacuum pumps and to transport waste product; implementing process refrigeration to incorporate heat rejection from a cooling tower system; utilizing conductivity in the cooling process; installing water saving nozzles for product washing; and executing checklists to verify all water is turned off during breaks and at the end of each shift.

**Will the source of the water be suitable for the consumptive use?
[ref. subsection 40B-2.301(2)(c)]**

Yes. Staff determined the Upper Floridan aquifer is suitable for the consumptive use.

**Will the source of the water be capable of producing the requested amount?
[ref. subsection 40B-2.301(2)(d)]**

Yes. Staff determined the Upper Floridan aquifer is capable of producing the requested amounts.

**Except when the use is for human food preparation and direct human consumption, is the lowest quality water source that is suitable for the purpose and is technically, environmentally, and economically feasible being utilized?
[ref. subsection 40B-2.301(2)(e)]**

Yes. The lowest quality water source that is suitable for the purpose and that is technically, environmentally, and economically feasible is being utilized. An estimated 0.1000 mgd of wash-down wastewater is reused to supply vacuum pumps and transport waste product.