

7.3.5.4 Checklist for Industrial Water Use

The following water uses must utilize this checklist: Power production, commercial and industrial processes, cooling and air conditioning, navigation, water based recreation, aquacultural, diversion and impoundment into non-District facilities, any other uses which are not on the checklist.

This checklist is for a typical project. Complex projects, large withdrawals, or withdrawals in sensitive areas may require additional information. Only the applicable information need be submitted.

A. General

1. Indicate the quantity of water needed as an annual demand (gals/year), and whether it is the annual quantity which will be pumped at a future point in time, or is equal to the existing pumpage if no future increases in withdrawals are anticipated. The requested quantity should equal the projected average day pumpage multiplied by 365 days.
2. Explain briefly the derivation of the requested allocation.
3. Indicate the maximum daily pumpage associated with the projected average daily pumpage.
4. Indicate the maximum day to average day demand ratio used in calculating the projected maximum day pumpage. Explain briefly the derivation of this number.
5. Indicate the source of water.

B. Location

1. Provide a location map.
2. Provide a site map, showing the location of wells, pumps, and culverts which correspond with Tables A, B, and C.

C. Facilities

1. Describe all existing and proposed wells by completing Table A.
2. Describe all existing and proposed surface water pumps by completing Table B.
3. Describe the existing pump operation schedule, including which pumps are primary, secondary, stand-by, and pump rotation schedule.

D. Process Describe the process and how water is used in the process. Indicate the nature of changes to the water by the process including thermal, physical, and chemical changes.

E. Water Usage Fill out Table D using the most recent twelve (12) months of pumpage records.

F. Water Problems Explain any water problems currently experienced within one (1) mile of the

project site.

G. Wastewater Disposal Describe the manner in which wastewater is disposed (i.e., evaporation, percolation ponds, drainage wells, canal discharge, spray irrigation)

H. Impacts Document any impact on other users, the saline water interface, adjacent water bodies, land uses, or pollution sources that the proposed withdrawals may have.

1. Will the proposed water use affect domestic, irrigation, or other public water supply wells?
2. Will the proposed water use affect adjacent lake levels?
3. Will the proposed water use cause saltwater intrusion?
4. Will the proposed water use affect environmental features that have either a direct or indirect relationship to the water resources of the District (wetland habitat, natural water bodies, intermittent ponds, upland areas), preferred habitats for rare, endangered or threatened species?