

CHECKLIST FOR DETERMINATION OF
IF A RESERVED WATER USE APPLICATION IS COMPLETE

- ___ 1.) All appropriate blanks are completed on the application form
- ___ 2.) The following adequate and complete maps are attached: (must be sectionized and of adequate scale)
- ___ Location map (at least quad scale)
- ___ Soils map (at least quad scale)
- ___ Design layout map (at least 4"/mile scale) or design drawing of system
- ___ 3.) The following soils information is provided:
- ___ Texture and structure of the soil from surface to 5 feet depth
- ___ Profile restrictions (hardpans, calcareous layers, salts)
- ___ Moisture holding capacity
- ___ Soil chemistry; i.e., SAR, EC, and pH
- ___ Capability class
- ___ Permeability
- ___ 4.) The following system design information is provided:
- ___ a.) pump:
- ___ size (suction, discharge, impeller)
- ___ operating rpm
- ___ make
- ___ model
- ___ curve
- ___ b.) power unit:
- ___ Hp rating
- ___ make
- ___ model
- ___ operating rpm
- ___ c.) Operating system:
- ___ total dynamic head (TDH)
- ___ static head
- ___ d.) Delivery system:
- ___ pipe type
- ___ pipe size (diameter & length)
- ___ design drawings
- ___ well water level monitoring port size
- ___ flow meter type

- e.) Application system:
 - ___ type of system (pivot, sideroll)
 - ___ pipe size (diameter & length)
 - ___ operating pressure
 - ___ nozzle type & size
 - ___ design drawings

- ___ 5.) An indication (i.e., documents) the applicant owns or has possessory interest in the land.

- ___ 6.) The following water availability information is provided:
 - Test well data
 - ___ Aquifer thickness
 - ___ Aquifer materials (from well log)
 - ___ Static water level(s)
 - ___ Presence of confining conditions
 - ___ Pump test data; i.e., flow rate, pumping water level
 - ___ Well depth
 - ___ Well diameter
 - ___ A completed water requirement worksheet

- ___ 7.) The following water quality information is provided:
 - ___ Total Dissolved Solids (TDS)
 - ___ Sodium Absorption Ratio (SAR)
 - ___ Electrical Conductivity (EC)
 - ___ Compatibility of water with soils type(s)
 - ___ Potential effects irrigation may have on water quality (if known)
 - ___ Potential from pumping to induce poorer quality water from other aquifer zones (if known)

- ___ 8.) A list of owners of wells within a ½ mile radius of the proposed well is provided.