

DRAFT AQUIFER MONITORING AND GROUNDWATER PRODUCTION CURTAILMENT PLAN TO ENFORCE DFCS FOR DISCUSSION PURPOSE ONLY

Monitor Aquifer Levels

- Monitor groundwater production reports, with random meter checks
- Continuing permitting and registering wells according to District Rules
- Monitor groundwater production in adjoining GCDs ▪ Promote conservation
- Prepare annual report on groundwater production and aquifer water-level changes

Adopt Study Area(s) for an Aquifer(s), if Needed

- Adoption could occur when ___ % of DFC is reached
- Monitor aquifer water levels ▪ Monitor groundwater production in adjoining GCDs
 - Prepare annual report on groundwater production and aquifer water-level changes
 - Monitor groundwater production reports, with mandatory meter checks on all permitted wells in study area ▪ Promote/require conservation
- Amend rules, if needed, requiring increased spacing/water rights for new permits/amendments

Adopt Depletion Management Zone(s) for the Aquifer

- Monitor aquifer water levels ▪ Promote/require conservation
- Monitor groundwater production reports, with mandatory meter checks on all permitted wells in management zone ▪ Monitor groundwater production in adjoining GCDs
 - Prepare annual report on groundwater production and aquifer water-level changes
 - Potential curtailment of groundwater production as average water-level decline reaches _____ percent of DFC or its trending to exceed DFC

2 Options presented for Curtailment Procedure based on Groundwater Production evidenced by production reports and District verification of production through meter checks (with an allowance for conservation measures) and based on hydrologic evidence and aquifer response to pumping

Option 1

- Curtail groundwater production based on a pro rata formula.
- For example, Historic Permits curtailed by 5% of production, Existing Non-historic permits curtailed by 10% of production; and new permits after the Study Area date cut back at 15 % of production.
- *The curtailment formula would later be increased or decreased based on aquifer response.*

Option 2

- Curtail groundwater production in a stair-step methodology on a pro rata basis.
- New permits applied for after the Study Area designation date would be cut back first by 15%. Then if, based on hydrologic data, the average aquifer water levels continue a downward trend, non-historic permits issued before the Study Area designation date would be cut back 10%. Lastly, based on water-level trends, historic permits would be cut back 5%.
- *The curtailment formula would later be increased or decreased based on aquifer response.*