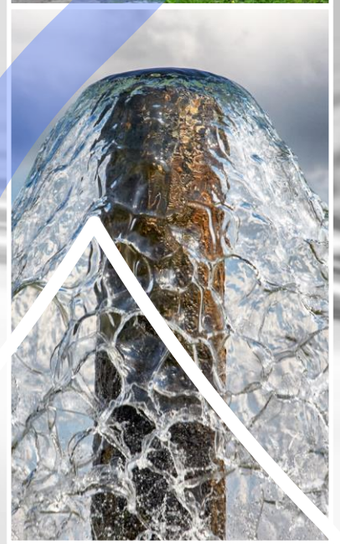
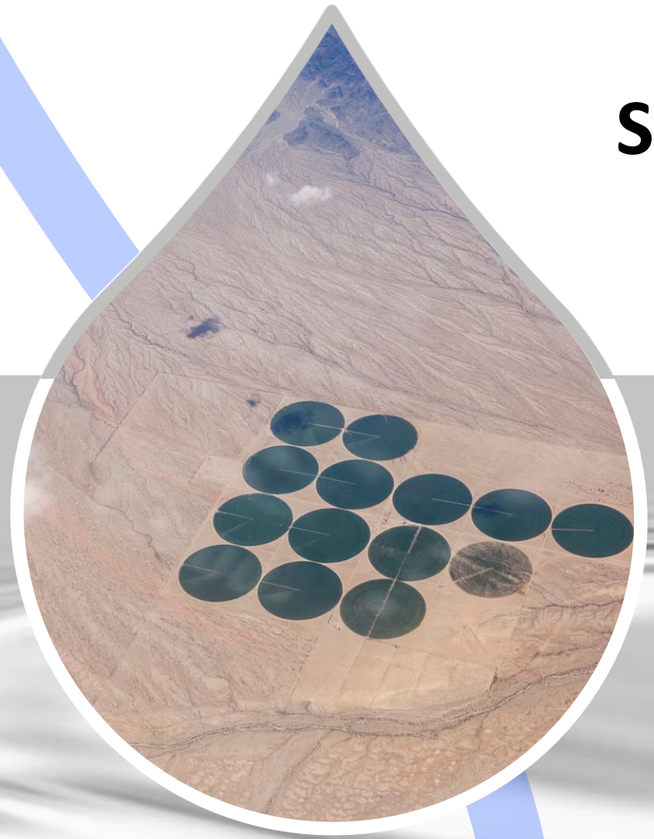
aquilogic

Email: info@aquilogic.com
Telephone: +1.714.770.8040





Groundwater Sustainability Plan Emergency Regulations

Groundwater Management Experts

- Water Resources Assessment
- Water Balance and Safe Yield
- Groundwater Modeling
- Groundwater Resource Development
- Contaminant Hydrogeology
- Source Water Assessment and Protection
- Water Re-use and Conjunctive Use
- Aquifer Storage and Recovery
- Drinking Water Treatment
- GIS and Geomatics
- Litigation Support/Expert Witness
- Forensic Engineering
- Risk Assessment
- Stakeholder/Public Participation
- Regulatory Strategy

To contact us, or sign up for our newsletter, please scan here.

www.aquilogic.com

environment ● water ● strategy

aquilogic

Groundwater Sustainability Plan Emergency Regulations

The Sustainable Groundwater Management Act (SGMA) of 2014 commits the State to locally controlled, sustainable groundwater management. Under SGMA, local agencies are responsible for developing and implementing Groundwater Sustainability Plans (GSPs). A local agency can become a Groundwater Sustainability Agency (GSA) or a combination of local agencies can form a GSA through a coordination agreement (i.e., a joint powers agreement or memorandum of understanding).

General Principles of a GSP

General principles guiding the development , evaluation, and implementation of a GSP include:

1. Groundwater conditions must be adequately defined and monitored
2. GSAs must be sufficiently defined and compatible to evaluate
3. the effect of GSPs on adjacent basins
4. Content information must be sufficiently detailed and readily comparable to adjacent basins
5. Meet a substantial compliance standard
6. Provide a description of basin-wide governance to reach sustainability
7. Define the basin setting and establish criteria that will maintain or achieve sustainable groundwater management
8. A GSP must achieve the sustainability goals for the basin in 20 years

GSP Report Requirements

A GSP shall incorporate a discussion of the following:

1. A description of the physical setting and characteristics of the aquifer system underlying the basin , including:
   - Historical data, to the extent available.
   - Groundwater levels, groundwater quality, subsidence, and groundwater-surface water interaction.
   - The historical and projected water demands and supplies.
   - A depiction of the basin boundaries and the GSA developing and implementing the GSP
   - A depiction identifying existing and potential recharge areas within the basin
2. A discussion of plans for the control of saline water intrusion.
3. A means to identify wellhead protection and groundwater recharge areas
4. Measures to address and/or control the migration of contaminated groundwater within the basin
5. Methodologies to identify abandoned wells and procedures for their eventual destruction
6. Plans for the augmentation of existing groundwater resources through replenishment activities
7. Activities implementing, opportunities for, and removing impediments to, conjunctive use or underground storage.
8. Unified well construction policies
9. Measures addressing groundwater contamination cleanup, recharge, diversions to storage, conservation, water recycling, conveyance, and extraction projects.
10. Management practices for the delivery of water and water conservation methods to improve the efficiency of water use.
11. Status of coordination efforts with state and federal regulatory agencies
12. Processes to review land use plans and efforts to coordinate with land use planning agencies and a pathway to review land use plans within the GSA boundaries
13. Impacts on groundwater dependent ecosystems.

Coordinated GSP Reporting Requirements

In basins where one or more GSPs have been developed by more than one GSA, specifics of the inter-basin GSA coordination agreements must be included in each GSP and include a descriptions of each GSA to collaboratively share data within each portion of the basin. At a minimum this shared data will include:

1. Groundwater elevation
2. Groundwater extraction
3. Surface water supply
4. Total water use within the basin
5. Change in groundwater storage with the basin
6. Basin water budget
7. Basin sustainable yield

Annual Reporting

As part of each approved GSP, each GSA must prepare an annual report that includes :

1. Groundwater elevation data.
2. Annual aggregated data identifying groundwater extraction for the preceding water year.
3. Surface water supply used for or available for use for groundwater recharge or in-lieu use.
4. Total water use.
5. Change in groundwater storage.

Probationary Basin Supplemental Reporting

Each report shall be prepared on a form provided by the board. The report shall include :

1. The name and address of the person who extracted groundwater and of the person filing the report (if different)
2. The name of the basin from which groundwater was extracted
3. The place of groundwater extraction (either on a USGS map, by latitude/longitude, or by the California Coordinate System
4. The capacity of the groundwater extraction facilities from which groundwater was pumped
5. Monthly records of groundwater extractions
6. The purpose of use of the extracted groundwater
7. A general description of the area in which the water was used.
8. As near as is known, the year in which the groundwater extraction was commenced
9. Any other information that the SWRCB may require by regulation and that is reasonably necessary

Adjudicated Basin Reporting

In an adjudicated basin (and exempt from preparing a GSP), on an annual basis the watermaster shall submit to the DWR the following information for that portion of the basin covered by the adjudication:

1. Groundwater elevation data
2. Annual aggregated data identifying groundwater extraction for the preceding water year
3. Surface water supply used for or available for use for groundwater recharge or in-lieu use
4. Total water use
5. Change in groundwater storage
6. The annual report submitted to the court

Phases of GSP Development

Phase 1 GSA Formation & Coordination	Phase 2 GSP Preparation & Submission	Phase 3 Review & Evaluation	Phase 4 Implementation & Reporting
March 31, 2016 Basin Boundary Modifications **June 1, 2016** GSP Emergency Regulations Published **June 30, 2017** GSAs Formed	**June 1, 2016** GSP Regulations release **January 1, 2017** Alternative GSPs Submittal **June 30, 2017** GSAs formed **2020/2022** GSP Submittal **2022** First GSP Alternative Resubmittal	**July 1, 2017** GSP Submittal Open **2020/2022** GSP Submittal **2022** First Alternative GSP Resubmittal GSP Alternatives Resubmit every 5 years thereafter GSP Re-evaluation every 5 years after GSP Submittal Interim milestones every 5 years after GSP Submittal	**2022** First Alternative Resubmittal due Alternative GSPs resubmit every 5 years Interim milestones every 5 years after GSP submittal Annual reports submitted by April 1 each year **2040/2042** Groundwater sustainability goals attained

aquilogic
Email: info@aquilogic.com
Telephone: +1.714.770.8040