

Central Valley Regional Water Board New Large Domestic General Order *Streamlined Permitting*



Large Domestic Order

Chad K. Neptune, P.G.
Senior Engineering Geologist

Alex Mushegan, P.E.
Supervising Water Resource Control Engineer



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Topics of Discussion

Groundwater Quality Protection (GQP) Program: Overview and Updates

General Order: Purpose, Scope, and Eligibility

General Order Enrollment

Planning: Before Receiving the §13260 ROWD Requirement Letter

Key Attachments to the Notice of Intent (NOI) Application Package

The New General Order: Key Elements and Time Schedules

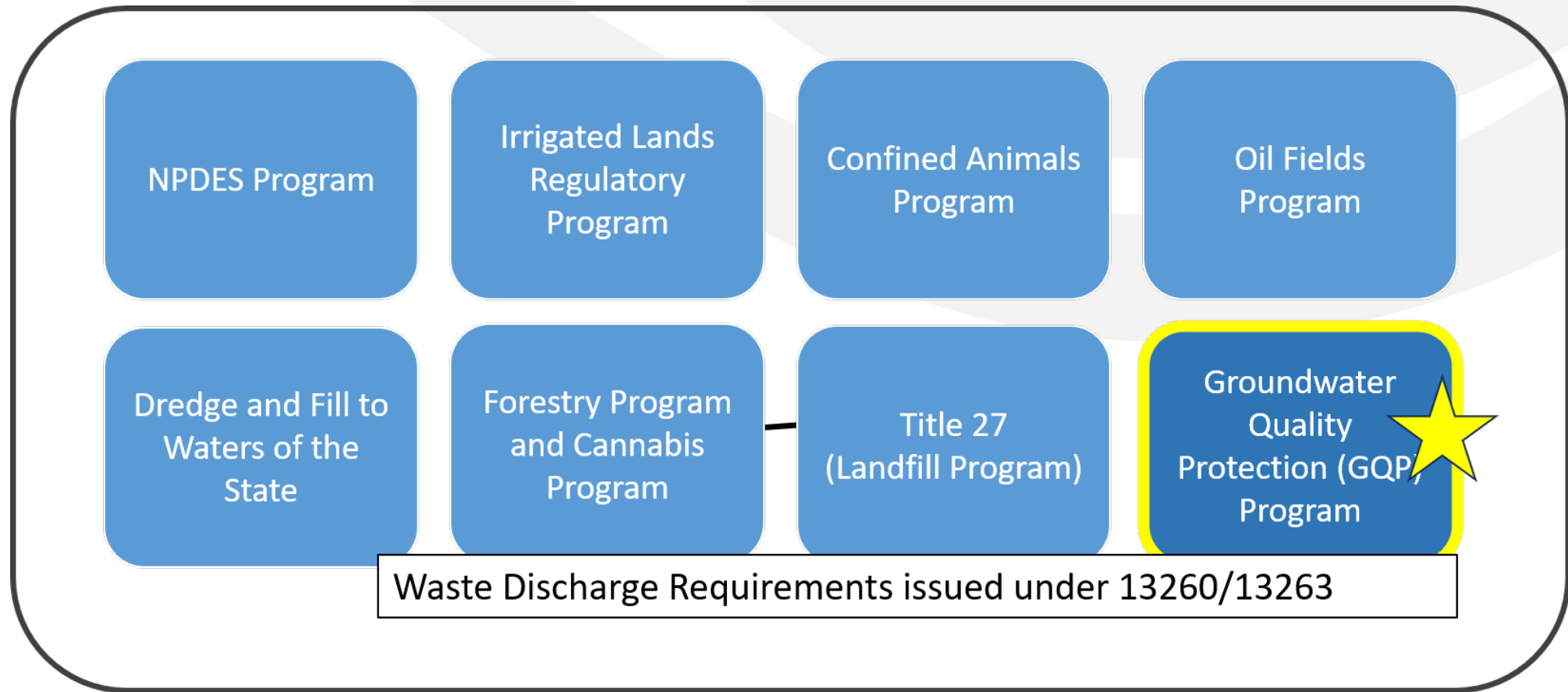
Questions & Answers



Groundwater Quality Protection (GQP) Program: Overview and Updates

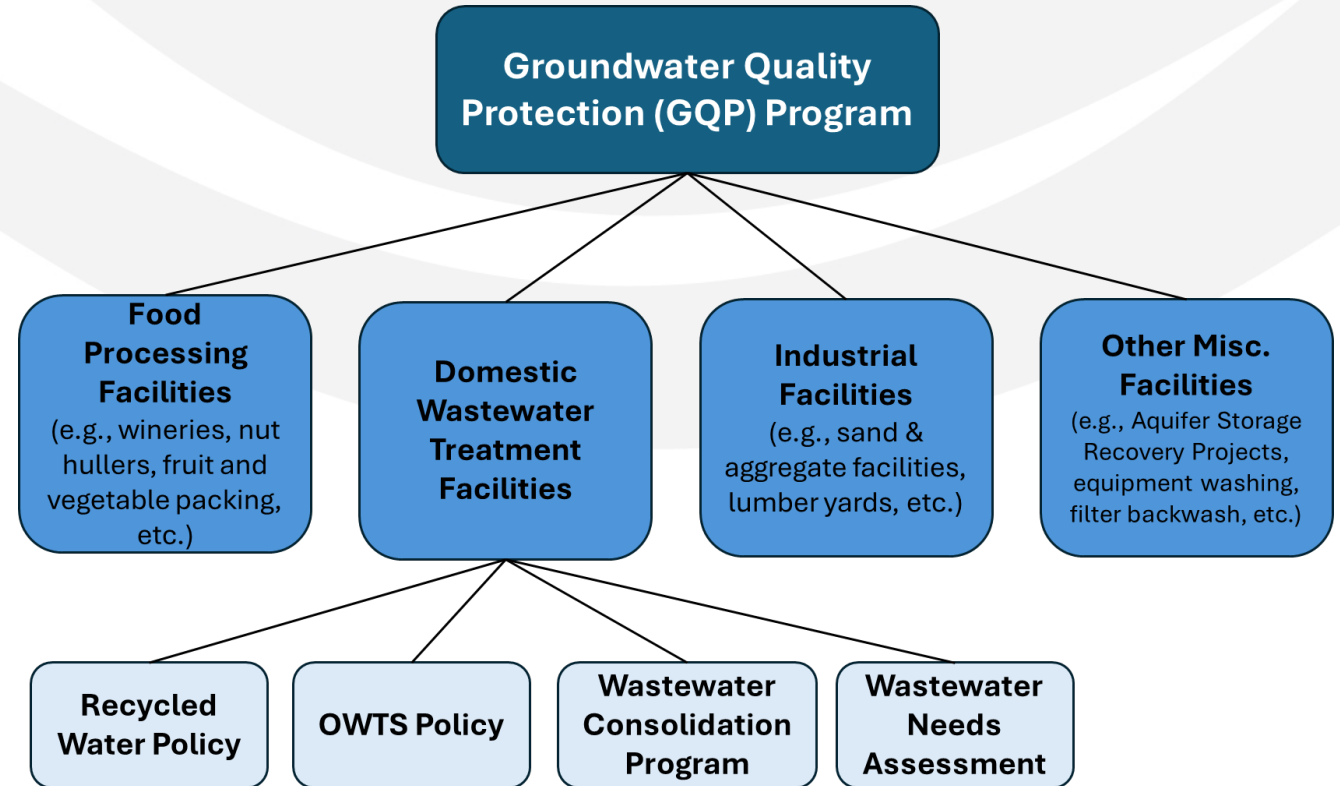


Groundwater Quality Protection (GQP) Program Overview and Updates

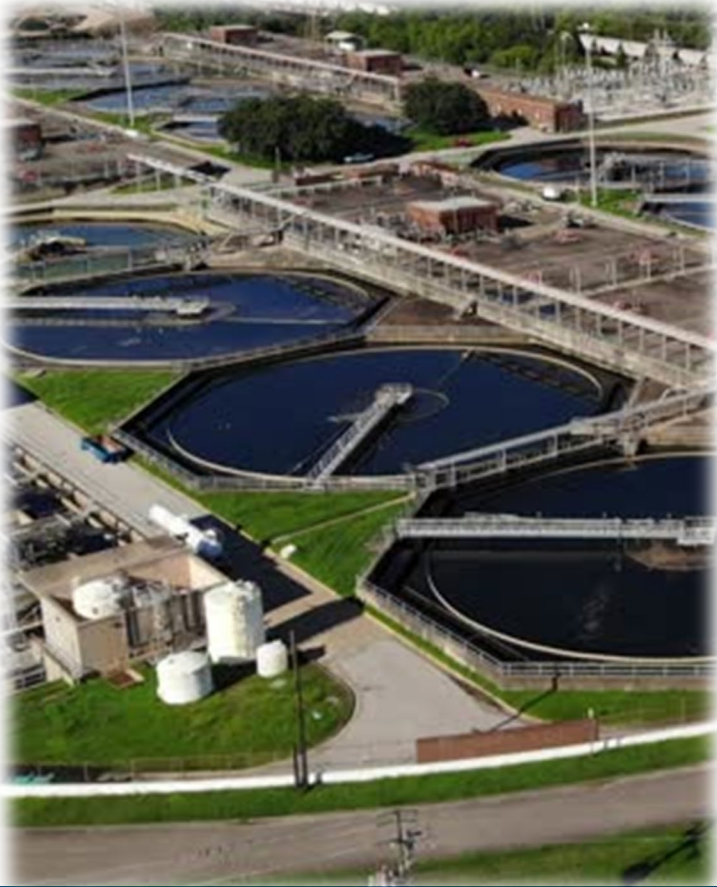


Groundwater Quality Protection (GQP) Program Overview and Updates

- GQP Program staff permit various types of facilities, including the following:
 - Domestic Wastewater Treatment Facilities
 - Including Reclamation Projects
 - Food Processing Facilities
 - Industrial facilities (e.g., sand and aggregate facilities, lumber yards, etc.)
 - Other Miscellaneous Projects (e.g., ASR Projects, Filter Backwash discharges, etc.)



General Order: Purpose & Scope



Establishes General WDRs for domestic WWTPs with flows greater than 0.1 MGD that discharge to land.

A streamlined and consistent permitting mechanism for Large WWTPs.

Consistent with current individual WWTP WDRs.

Approximately 200 existing Large may qualify for coverage.

Separate permit coverage required for:

- recycled water use,
- biosolids disposal/reuse, or
- sanitary sewer operation

General Order: Eligibility

Eligible Facilities/Discharges:

- Domestic Wastewater Treatment Facilities with flows ≥ 0.1 million gallons per day (Large WWTPs)
- Treated wastewater is discharged to land within the Central Valley



General Order Enrollment Process and Timeline



Day 0

- WB transmits WC §13260 Letter requiring Notice of Intent (NOI).
- Discharger submits NOI voluntarily.

Month 6+

- WB Staff engages on NOI Package development.
- Discharger submits NOI

Month 7+

- WB Staff complete NOI review. With a clear, streamlined process.

Month 8 to 14+

- WB Staff and Discharger work to revise NOI if needed.

Month 8 to 19+

- WB Staff draft NOA and site-specific MRP and
- NOA and MRP issued by the Executive Officer

**Dates/Timeline vary with complexity and Staff Resource Availability*

NOI Elements to Focus on Ahead of Enrollment Requirement



Obtain Title 22
Reclamation/
Recycled Water
permit coverage
(WQ 2016-0068-
DDW)



Obtain Biosolids
disposal permit
coverage (Order
2004-0012-DWQ)
(if needed)



Prepare Initial
Pond and Sludge
Management
Evaluation Report



Prepare
Groundwater
Quality
Evaluation Report



Prepare Recycled
Water Feasibility
Evaluation and
Plan (if needed)



Review facility
modifications
since the last
ROWD was
submitted.

Initial Pond and Sludge Management Unit Evaluation

- Required with NOI
- Evaluation should be done for all existing ponds and sludge storage areas
- Desktop study using existing internal and publicly available external data.
- Should include the following:
 - Site Background
 - Wastewater Pond System / Sludge Management Unit Description
 - Groundwater Monitoring Summary (if applicable)
 - Site Geotechnical Evaluation
 - Monitoring Data Evaluation
 - Evaluation of Threat to Groundwater Quality/Beneficial Uses
 - Conclusions and Recommendations



Key Attachments to the Notice of Intent (NOI) Application Package

- Form 200
- Technical Reports:
 - WWTP Technical Report
 - Groundwater Quality Evaluation Report
 - Initial Pond and Sludge Management Evaluation Report
 - Recycled Water Feasibility Evaluation and Plan
- Existing CEQA and CV-SALTS Documents
- Water Supply Data (Quality and Quantity)
- Pretreatment Program:
 - Wastewater Source Data (w/ Industrial Users List)
 - Pretreatment Program Plan
- Any Compliance Schedule Requests/Plans:
- Operations and Maintenance Manual



The New General Order: Key Elements and Time Schedules

Pond and Sludge Management Unit Lining Requirements

GeoTracker Submittal Requirements

Pretreatment Specifications

Pond Lining Requirements

- **Not required for any existing ponds.**

Pond lining may be used to qualify for an exemption for groundwater separation requirements*.

- Required for new and expanded treatment and storage ponds:

- Engineered liner shall meet a hydraulic conductivity limit of 1×10^{-6} centimeters per second or less.
- Exemptions may be granted on a case-by-case basis. Pond Design Report submittal is required prior to the construction of a new or expanded pond.
- Lining of new or expanded emergency bypass ponds may be required on a case-by-case basis.

**See General Order Section II.C.12 for specific requirements related to ponds with less than 5 feet of groundwater separation.*

Sludge Management Unit Lining Requirements

- Not required for any existing sludge management units.
- Required for new and expanded sludge/solids/biosolids impoundments (i.e., lagoons, storage beds, treatment beds, drying beds, etc.):



GeoTracker Submittal Requirements

- All reports and laboratory analytical results must be submitted electronically to GeoTracker through the Electronic Submittal of Information (ESI) Portal.



Pretreatment Specifications



Pretreatment Specifications apply to:

- Large WWTPs treating or designed to treat an average monthly flow of five million gpd (5 MGD) or more.
- Large WWTPs that treat or are designed to treat less than 5 MGD on a case-by-case basis in order to prevent deleterious impacts to the treatment system.



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