Item 9: Regional Water Board Review for PFAS Groundwater Monitoring Plan

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Purpose of PFAS Order

1) Evaluate PFAS groundwater and surface water impacts, and

2) Conduct a preliminary investigation of the mass loading of PFAS into the POTW and then leaving the POTW in different media (treated wastewater, brine, biosolids)
Requirements of PFAS Order

1) Complete the questionnaire in Attachment 3 (Sections C.3 and D)

2) Conduct sampling and analysis from POTW according to Attachment 3
Questionnaire Requirements

1) No later than the submittal of the second quarter analytical results from the treatment system sampling

2) Can be found and submitted electronically through GeoTracker
Treatment System Sampling Locations and Frequencies

Flow Rate ≥ 5 MGD

1) Influent, Effluent, Reverse Osmosis Concentrate/Retentate – quarterly for one-year period

2) Biosolids (including moisture content) – quarterly for one-year period
Treatment System Sampling Locations and Frequencies

1 MGD ≤ Flow Rate < 5 MGD

1) Influent, Effluent, Reverse Osmosis Concentrate/Retentate – quarterly for one-year period

2) Biosolids (including moisture content) – once during the first year of the Order
Treatment System Sampling Locations and Frequencies

All Flow Rates

1) Sampling shall commence with the Fourth Quarter 2020 sampling period (October – December 2020)
Groundwater Monitoring Well Sampling and Analysis

A. One-time groundwater monitoring for PFAS is required for POTWs with existing groundwater monitoring and reporting programs under and existing order.
Groundwater Monitoring Well Sampling and Analysis

B. Within 60-days prior to conducting the groundwater monitoring event, submit:

1) A figure of the groundwater monitoring well network, groundwater flow direction, and indicate the monitoring wells to be samples (min 3 wells in upper zone)
2) Rationale for the selection of the groundwater monitoring wells to be used for representative sampling for PFAS
Groundwater Monitoring Well Sampling and Analysis

After Regional Board approval, samples shall be collected during the next groundwater monitoring period specified in the existing order, but no sooner that the Fourth Quarter 2020 sampling period (October-December 2020)
Groundwater Monitoring Well Sampling and Analysis

PFAS will be analyzed from the samples collected from selected groundwater monitoring wells once within the first year of implementation of the PFAS order, including field parameters and general chemistry (Table 2 of Attachment 3).
Groundwater Monitoring Reporting

1) Analytical results uploaded within **30 days** of receiving laboratory analytical report into GeoTracker

2) One monitoring report no later than **60 days** following receipt of laboratory data into GeoTracker
Questions ????