

# Attachment B. Monitoring Program

## Summary

DRAFT

**Summary of requirements for monitoring campaign specified in the Guidelines for Accepting Water into the Friant-Kern Canal**

Sample Source/Type		Trigger	Constituents/Bacterial Organisms	Frequency	Location	Communication
<i>Source of Discharge Water</i>						
1	Non-Millerton Lake Source	Routine sampling.	All in Table 1	Every three years	Discharge Location.	Reported to FWA and Reclamation FKC's Contracting Office for review. FWA will report to Friant contractors.
2	Non-Millerton Lake Source	Routine sampling.	All in Table 4	Annually	Discharge Location.	
3	Non-Millerton Lake Source	If routine sampling of Table 4 water quality constituents shows exceedance of an established threshold buffer. **	Any in Table 4 exceeding the established threshold buffer.	Weekly for targeted constituents of concern, until four consecutive tests show consistent water quality results.	Discharge Location.	
4	Non-Millerton Lake Source	Reclamation on a case-by-case basis per condition of program operations.	Any	Any	Any	
<i>Blended Canal Water</i>						
5	FKC Water	Routine sampling (continuous).	EC	Real-time, Every 15 minutes	Check structures and mile posts in Table 2	Uploaded to FWA's IOS. FWA will regularly calibrate equipment.
6	FKC Water	If Friant Water Quality Model forecasts exceedance of an established threshold buffer. **	Any in Table 4 exceeding the established threshold buffer.	Weekly. Until sampled data, supported through modeling, show four consecutive tests below the established threshold buffer.	Check structures and mile posts in Table 2, where water quality changes are expected.	FWA will deliver to ELAP certified lab. Forecasted and measured in-prism water quality will be communicated by FWA to Friant contractors.
7	FKC Water	Specific operation disruptions (servicing of real-time equipment, unexpected outages, etc.).	EC	Any	Any	
8	CVC	Reverse-flow, and pump-back operations.	All in Table 4	Weekly	CVC, near Intertie	FWA will deliver to ELAP certified lab. Water quality data will be communicated via FWA's IOS.
9	CVC	Initiation of pump-back operations, and/or anticipated that CVC operations will significantly change water quality	All in Table 1 and Table 4	As needed	CVC, near Intertie	FWA will deliver to ELAP certified lab. Water quality data will be communicated via FWA's IOS.

Notes: References to tables above (Table 1, 2, 4) from Friant Water Authority draft Guidelines for Accepting Water into the Friant-Kern Canal.

\*\*Threshold buffers that will trigger continued monitoring are 80% of the thresholds established in Table 4.

Key:

EC = electrical conductivity

CVC = Cross Valley Canal

ELAP = Environmental Laboratory Accreditation Program

FKC = Friant-Kern Canal

IOS = Intellisite Operation System

Reclamation = U.S. Department of the Interior, Bureau of Reclamation