

**TABLE 4.3**  
**QUALITATIVE EVALUATION OF GROUNDWATER MONITORING NETWORK**  
**LONG TERM MONITORING OPTIMIZATION**  
**CAMP STANLEY STORAGE ACTIVITY, TEXAS**

Well ID	Current Sampling Frequency	Qualitative Analysis			
		Remove	Retain	Monitoring Frequency Recommendation	Rationale
<b>On Post Monitoring Wells</b>					
AOC65-MW1-LGR	Quarterly	✓			Sample after rain event as defined remediation studies to characterize shallow aquifer
AOC65-MW2A	Quarterly	✓			Sample after rain event as defined remediation studies to characterize shallow aquifer
AOC65-PZ01-LGR	Quarterly	✓			Sample after rain event as defined remediation studies to characterize shallow aquifer
AOC65-PZ02-LGR	Quarterly	✓			Sample after rain event as defined remediation studies to characterize shallow aquifer
AOC65-PZ03-LGR	Quarterly	✓			Sample after rain event as defined remediation studies to characterize shallow aquifer
AOC65-PZ04-LGR	Quarterly	✓			Sample after rain event as defined remediation studies to characterize shallow aquifer
AOC65-PZ05-LGR	Quarterly	✓			Sample after rain event as defined remediation studies to characterize shallow aquifer
AOC65-PZ06-LGR	Quarterly	✓			Sample after rain event as defined remediation studies to characterize shallow aquifer
CS-1	Quarterly		✓	Annual	On-post drinking water supply
CS-10	Quarterly		✓	Annual	On-post drinking water supply
CS-11	Quarterly	✓		Biennial	Non-plume definition well, sample every two years
CS-2	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-3	Quarterly	✓		Remove	Spatially redundant, not recently sampled
CS-4	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-9	Quarterly		✓	Annual	On-post drinking water supply
CS-D	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-I	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MW10-CC	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MW10-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-MW11A-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-MW11B-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-MW12-BS	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MW12-CC	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MW12-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-MW16-CC	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-16-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-MW17-LGR	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MW18-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-MW19-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-MW1-BS	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MW1-CC	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MW1-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-MW2-CC	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MW2-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-MW3-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-MW4-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-MW5-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)

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Well ID	Current Sampling Frequency	Qualitative Analysis			
		Remove	Retain	Monitoring Frequency Recommendation	Rationale
CS-MW6-BS	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MW6-CC	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MW6-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-MW7-CC	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MW7-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-MW8-CC	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MW8-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-MW9-BS	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MW9-CC	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MW9-LGR	Quarterly		✓	Semi-annual	Plume definition well (or source characterization)
CS-G-LGR	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
CS-MWH-LGR	Quarterly		✓	Biennial	Non-plume definition well, sample every two years
<b>Off Post Monitoring Wells</b>					
DOM-2	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs <sup>2/</sup>
FO-17	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
FO-22	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
FO-8	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
FO-J1	Qtrly, 1 year thru Mar 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
HS-2	Qtrly, 1 year thru Mar 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
HS-3	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
I10-2	Qtrly, 1 year thru Jun 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
I10-4	Qtrly, 1 year thru Mar 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
I10-5	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
I10-7	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
JW-12	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
JW-13	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
JW-14	Qtrly, 1 year thru Jun 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
JW-26	Qtrly, 1 year thru Dec 04		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
JW-27	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
JW-28	Qtrly, 1 year thru Jun 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
JW-29	Qtrly, due to location		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
JW-30	Qtrly, 1 year thru Mar 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
JW-6	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
JW-7	Qtrly, 1 year thru Jun 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
JW-8	Qtrly, 1 year thru Mar 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
JW-9	Qtrly, 1 year thru Mar 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
LS-1	Qtrly, 1 year thru Mar 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
LS-2	Qtrly, 1 year thru Jun 05		✓	Quarterly	Plume characterization; GAC

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Well ID	Current Sampling Frequency	Qualitative Analysis			
		Remove	Retain	Monitoring Frequency Recommendation	Rationale
LS-3	Qtrly, 1 year thru Jun 05		✓	Quarterly	Plume characterization; GAC
LS-4	Qtrly, 1 year thru Jun 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
LS-5	Qtrly, 1 year thru Mar 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
LS-6	Qtrly, 1 year thru Jun 05		✓	Quarterly	Plume characterization; GAC
LS-7	Qtrly, 1 year thru Jun 05		✓	Quarterly	Plume characterization; GAC
OFR-1	Qtrly, 1 year thru Jun 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
OFR-2	Qtrly, 1 year thru Jun 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
OFR-3	Qtrly, 1 year thru Jun 05		✓	Quarterly	Plume characterization; GAC
OFR-4	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
RFR-10	Qtrly, 1 year thru Jun 05		✓	Quarterly	Plume characterization; GAC
RFR-11	Qtrly, 1 year thru Jun 05		✓	Quarterly	Plume characterization; GAC
RFR-12	Qtrly, 1 year thru Jun 05		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
RFR-3	Qtrly, 1 year thru Dec 04		✓	Annual	Historically low (F-flagged) detections, reduce frequency in accordance with DQOs
RFR-4	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
RFR-5	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
RFR-6	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
RFR-7	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
RFR-8	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
RFR-9	Annually		✓	Annual	Historically non-detect, continue sampling in accordance with DQOs
<b>WestBay Wells</b>					
CS-WB01-LGR-01	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB01-LGR-02	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB01-LGR-03	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB01-LGR-04	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB01-LGR-05	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB01-LGR-06	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB01-LGR-07	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB01-LGR-08	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB01-LGR-09	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB01-UGR-01	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB02-LGR-01	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB02-LGR-02	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB02-LGR-03	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB02-LGR-04	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB02-LGR-05	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB02-LGR-06	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB02-LGR-07	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB02-LGR-08	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency

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Well ID	Current Sampling Frequency	Qualitative Analysis			
		Remove	Retain	Monitoring Frequency Recommendation	Rationale
CS-WB02-LGR-09	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB02-UGR-01	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB03-LGR-01	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB03-LGR-02	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB03-LGR-03	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB03-LGR-04	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB03-LGR-05	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB03-LGR-06	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB03-LGR-07	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB03-LGR-08	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB03-LGR-09	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB03-UGR-01	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB04-BS-01	Monthly & after rain events		✓	Biennial	Historically non-detect or low detections, reduce frequency
CS-WB04-BS-02	Monthly & after rain events		✓	Biennial	Historically non-detect or low detections, reduce frequency
CS-WB04-CC-01	Monthly & after rain events		✓	Biennial	Historically non-detect or low detections, reduce frequency
CS-WB04-CC-02	Monthly & after rain events		✓	Biennial	Historically non-detect or low detections, reduce frequency
CS-WB04-CC-03	Monthly & after rain events		✓	Biennial	Historically non-detect or low detections, reduce frequency
CS-WB04-LGR-01	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB04-LGR-02	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB04-LGR-03	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB04-LGR-04	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB04-LGR-06	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB04-LGR-07	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB04-LGR-08	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB04-LGR-09	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB04-LGR-10	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB04-LGR-11	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency
CS-WB04-UGR-01	Monthly & after rain events		✓	Semi-annual	Monthly concentrations well documented, reduce frequency

<sup>a/</sup> DQO = data quality objective