

## WATER ANALYSIS

## Work Days

### Agricultural:

Ag Suitability: pH, EC, Cl, HCO <sub>3</sub> +CO <sub>3</sub> , SO <sub>4</sub> , NO <sub>3</sub> -N, SAR, SAR <sub>adj</sub> , LI, Dissolved: Ca, Mg, B, Na, Fe, Mn	7
pH Titration Curve (7.0, 6.8, 6.5, 6.0, 2.0)	10
Sheathed Bacteria	15
Residue Identification	15

### Dairy Groundwater Analysis:

DGW1: Dairy Groundwater: pH, EC, CO <sub>3</sub> , HCO <sub>3</sub> , SO <sub>4</sub> , Cl, TDS, Turbidity, NO <sub>3</sub> -N, NO <sub>2</sub> -N, TKN, NH <sub>4</sub> -N, Total Metals: Ca, Mg, Na, K, Anion/Cation Balance	15
DGW2: Groundwater pH, EC, CO <sub>3</sub> , HCO <sub>3</sub> , TDS, TKN, NH <sub>4</sub> -N, NO <sub>3</sub> -N, NO <sub>2</sub> -N, Cl, SO <sub>4</sub> , Dissolved Metals: Ca, Mg, Na, K and Anion/Cation Balance	15

### Dairy Process Water Analysis:

DPW1: EC, NO <sub>3</sub> -N, NH <sub>4</sub> -N, TKN, TP, TK	12
DPW2: DPW1 plus Total: Ca, Mg, HCO <sub>3</sub> , CO <sub>3</sub> , Cl, SO <sub>4</sub> , SO <sub>4</sub> -S	15

### Wastewater Analysis:

Wastewater General Mineral: No MBAS; Alkalinity (OH, CO <sub>3</sub> , HCO <sub>3</sub> ), EC, PO <sub>4</sub> -P, SO <sub>4</sub> , Cl, pH, TDS, Calculated Total Hardness, Corrosivity, Total: K, Ca, Mg, Na, Fe, Mn, Cu, Zn	15
Bacteriological: Coliform & Fecal, MPN	10
Heterotrophic Plant Count (HPC)	10
Storm Water Runoff: EC, pH, TSS, Oil & Grease	12
EC, pH, TSS, TOC	15
Total Metals: Cu, Pb, Hg	15