

**STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION  
895 Aerovista Place, Suite 101  
San Luis Obispo, California 93401**

**MONITORING AND REPORTING PROGRAM NO. R3-2004-0106**  
Waste Discharger Identification No. 3 270203002

For

**CALIFORNIA ARMY NATIONAL GUARD  
CAMP ROBERTS MILITARY RESERVATION  
SAN LUIS OBISPO AND MONTEREY COUNTIES**

Reporting responsibilities are specified in Sections 13225(a), 13267(b), 13383, and 13387(b) of the California Water Code. This Discharge Monitoring Program is issued in accordance with Provision C.2 of Regional Board Order No. R3-2004-0106.

**WATER SUPPLY MONITORING**

Representative samples of domestic supply water shall be collected and analyzed as follows:

| Parameter/Constituent   | Units | Sample Type | Minimum Sampling and Analyzing Frequency |
|---|-------|-------------|--|
| General Minerals<br>[Calcium, Magnesium, Sodium, Sulfate, Carbonate, Bi-Carbonate, Chloride, Total Hardness, Total Alkalinity, Total Dissolved Solids, pH, Electrical Conductivity, Boron, Iron, and Nitrate (as N). Sampling results for the Department of Health Services may be submitted to satisfy this requirement] | mg/l  | Grab        | January and July                         |

**INFLUENT MONITORING**

Representative samples of the influent to each wastewater treatment plant shall be collected and analyzed for the constituents and at the frequencies specified below:

| Parameter/Constituent          | Units | Sample Type     | Minimum Sampling and Analyzing Frequency |
|--------------------------------|-------|-----------------|--|
| Flow Volume                    | MGD   | Metered         | Daily                                    |
| Maximum Daily Flow             | MGD   | Metered         | Monthly                                  |
| Mean Daily Flow                | MGD   | Calculated      | Monthly                                  |
| BOD <sub>5</sub>               | mg/l  | 24 hr Composite | Monthly                                  |
| Total Suspended Solids         | mg/l  | 24 hr Composite | Monthly                                  |
| Nitrite (as N)                 | mg/l  | Grab            | Semiannually (March & September)         |
| Nitrate (as N)                 | mg/l  | Grab            | Semiannually (March & September)         |
| Total Kjeldahl Nitrogen (as N) | mg/l  | Grab            | Semiannually (March & September)         |
| Total Nitrogen (as N)          | mg/l  | Grab            | Semiannually (March & September)         |

**FACILITY MONITORING**

The Discharger shall make at least bi-weekly inspections of the treatment and disposal systems. During the inspections, the Discharger shall note compliance status with this Order. A log of these inspections shall be maintained and a summary of observations made during the inspections shall be submitted with each quarterly monitoring report.

The East Garrison treatment ponds shall be monitored as follows:

| Constituent      | Units | Sample Type | Minimum Sampling and Analyzing Frequency |
|------------------|-------|-------------|--|
| pH               | -     | Grab*       | Weekly                                   |
| Dissolved Oxygen | mg/l  | Grab*       | Weekly                                   |
| Freeboard        | Feet  | Visual      | Weekly                                   |

\* Grab sample to be taken at one-foot depth.

Each disposal pond shall be monitored as follows:

| Constituent         | Units | Sample Type | Minimum Sampling and Analyzing Frequency |
|---------------------|-------|-------------|--|
| Freeboard           | Feet  | Visual      | Weekly                                   |
| Presence of weeds   | -     | Visual      | Quarterly (Dec., March, June, Sept.)     |
| Presence of burrows | -     | Visual      | Quarterly (Dec., March, June, Sept.)     |

\* Grab sample to be taken at one-foot depth.

**EFFLUENT MONITORING**

Representative samples of wastewater being discharged to percolation areas shall be collected and analyzed for the constituents and at the frequencies specified below:

| Constituent            | Units | Sample Type | Minimum Sampling and Analyzing Frequency |                                       |
|------------------------|-------|-------------|--|---------------------------------------|
|                        |       |             | Main Garrison                            | East Garrison                         |
| Settleable Solids      | ml/l  | Grab        | Weekly                                   | Monthly                               |
| pH                     | -     | Grab        | Weekly                                   | Monthly                               |
| BOD5                   | mg/l  | Grab        | Weekly                                   | Monthly                               |
| Total Suspended Solids | mg/l  | Grab        | Weekly                                   | Monthly                               |
| Total Dissolved Solids | mg/l  | Grab        | Semiannually<br>(March and September)    | Semiannually<br>(March and September) |
| Volatile Solids        | mg/l  | Grab        | Semiannually<br>(March and September)    | Semiannually<br>(March and September) |
| Sodium                 | mg/l  | Grab        | Semiannually<br>(March and September)    | Semiannually<br>(March and September) |
| Chloride               | mg/l  | Grab        | Semiannually<br>(March and September)    | Semiannually<br>(March and September) |
| Boron                  | mg/l  | Grab        | Semiannually<br>(March and September)    | Semiannually<br>(March and September) |
| Sulfate                | mg/l  | Grab        | Semiannually<br>(March and September)    | Semiannually<br>(March and September) |

| Constituent                       | Units | Sample Type | Minimum Sampling and Analyzing Frequency |                                       |
|-----------------------------------|-------|-------------|--|---------------------------------------|
|                                   |       |             | Main Garrison                            | East Garrison                         |
| Nitrite (as N)                    | mg/l  | Grab        | Semiannually<br>(March and September)    | Semiannually<br>(March and September) |
| Nitrate (as N)                    | mg/l  | Grab        | Semiannually<br>(March and September)    | Semiannually<br>(March and September) |
| Total Kjeldahl Nitrogen<br>(as N) | mg/l  | Grab        | Semiannually<br>(March and September)    | Semiannually<br>(March and September) |
| Total Nitrogen (as N)             | mg/l  | Grab        | Semiannually<br>(March and September)    | Semiannually<br>(March and September) |
| Aluminum                          | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Antimony                          | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Arsenic                           | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Barium                            | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Beryllium                         | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Cadmium                           | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Chromium                          | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Copper                            | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Cyanide                           | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Flouride                          | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Lead                              | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Mercury                           | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Nickel                            | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Selenium                          | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Thalium                           | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| Zinc                              | mg/l  | Grab        | Annually (September)                     | Annually (September)                  |
| VOCs                              | mg/l  | Grab        | Once/5 years (September)                 | Once/5 years (September)              |
| PCBs                              | mg/l  | Grab        | Once/5 years (September)                 | Once/5 years (September)              |
| Pesticides                        | mg/l  | Grab        | Once/5 years (September)                 | Once/5 years (September)              |

### SOLIDS/BIOSOLIDS MONITORING

The Discharger shall submit a summary of activities regarding solids handling with each quarterly monitoring report. Prior to biosolid removal or change in disposal practices (location, process, frequency), the Discharger shall submit all disposal information to the Executive Officer for approval. Representative samples of the biosolids to be disposed of shall be collected and analyzed for the constituents and at the frequencies specified below:

| Parameter/Constituent * | Units                    | Sample Type             | Minimum Sampling and Analyzing Frequency ** |
|-------------------------|--------------------------|-------------------------|---|
| Quantity                | Tons or yds <sup>3</sup> | Measured during removal | Each load                                   |
| Moisture Content        | %                        | Grab                    | Prior to transport/disposal                 |
| Nitrate (as N)          | mg/kg                    | Grab                    | Prior to transport/disposal                 |
| Total Phosphorus        | mg/kg                    | Grab                    | Prior to transport/disposal                 |
| pH                      | pH units                 | Grab                    | Prior to transport/disposal                 |
| Grease & Oil            | mg/kg                    | Grab                    | Prior to transport/disposal                 |
| Arsenic                 | mg/kg                    | Grab                    | Prior to transport/disposal                 |

| Parameter/Constituent * | Units | Sample Type | Minimum Sampling and Analyzing Frequency ** |
|-------------------------|-------|-------------|---|
| Antimony                | mg/kg | Grab        | Prior to transport/disposal                 |
| Barium                  | mg/kg | Grab        | Prior to transport/disposal                 |
| Beryllium               | mg/kg | Grab        | Prior to transport/disposal                 |
| Boron                   | mg/kg | Grab        | Prior to transport/disposal                 |
| Cadmium                 | mg/kg | Grab        | Prior to transport/disposal                 |
| Cobalt                  | mg/kg | Grab        | Prior to transport/disposal                 |
| Copper                  | mg/kg | Grab        | Prior to transport/disposal                 |
| Chromium, VI & Total    | mg/kg | Grab        | Prior to transport/disposal                 |
| Lead                    | mg/kg | Grab        | Prior to transport/disposal                 |
| Mercury                 | mg/kg | Grab        | Prior to transport/disposal                 |
| Molybdenum              | mg/kg | Grab        | Prior to transport/disposal                 |
| Nickel                  | mg/kg | Grab        | Prior to transport/disposal                 |
| Selenium                | mg/kg | Grab        | Prior to transport/disposal                 |
| Silver                  | mg/kg | Grab        | Prior to transport/disposal                 |
| Thallium                | mg/kg | Grab        | Prior to transport/disposal                 |
| Tin                     | mg/kg | Grab        | Prior to transport/disposal                 |
| Vanadium                | mg/kg | Grab        | Prior to transport/disposal                 |
| Zinc                    | mg/kg | Grab        | Prior to transport/disposal                 |
| Pesticides              | mg/kg | Grab        | Prior to transport/disposal***              |
| Organic Lead            | mg/kg | Grab        | Prior to transport/disposal***              |
| PCBs                    | mg/kg | Grab        | Prior to transport/disposal***              |

\* Characterization required by disposal facility may be submitted in place of this list.

\*\* If no need for sludge/biosolids removal occurs during a given year, the Discharger will have no obligation for biosolids monitoring. Reporting in this case shall explain the absence of this monitoring.

\*\*\* At least once every 5 years prior to transport or disposal.

### RECEIVING WATER MONITORING

Representative samples of groundwater shall be collected from shallow wells upgradient and downgradient of disposal areas and analyzed for the constituents and at the frequencies specified below:

| Parameter/Constituent          | Units | Sample Type | Minimum Sampling and Analyzing Frequency |
|--------------------------------|-------|-------------|--|
| Depth to Groundwater           | feet  | Measured    | Semiannually (March and September)       |
| pH                             | -     | Grab        | Semiannually (March and September)       |
| Total Dissolved Solids         | mg/l  | Grab        | Semiannually (March and September)       |
| Sodium                         | mg/l  | Grab        | Semiannually (March and September)       |
| Chloride                       | mg/l  | Grab        | Semiannually (March and September)       |
| Boron                          | mg/l  | Grab        | Semiannually (March and September)       |
| Sulfate                        | mg/l  | Grab        | Semiannually (March and September)       |
| Nitrite (as N)                 | mg/l  | Grab        | Semiannually (March and September)       |
| Nitrate (as N)                 | mg/l  | Grab        | Semiannually (March and September)       |
| Total Kjeldahl Nitrogen (as N) | mg/l  | Grab        | Semiannually (March and September)       |
| Total Nitrogen (as N)          | mg/l  | Grab        | Semiannually (March and September)       |

**REPORTING**

Monitoring reports are required quarterly, by the 30<sup>th</sup> of January, April, July, and October, and shall contain all data collected or calculated over the previous three months. Pursuant to Standard Provisions and Reporting Requirements, General Reporting Requirement C.16, an annual report is required by the 30<sup>th</sup> of January along with the 4<sup>th</sup> quarter monitoring report.

**IMPLEMENTATION**

This monitoring and reporting program shall be implemented immediately.

ORDERED BY \_\_\_\_\_  
Executive Officer

\_\_\_\_\_  
Date