

City of Ontario Engineering Department Non-Storm Water Discharge Requirements For Well Contracts

The City has been issued a General Waste Discharge Permit by the Regional Water Quality Control Board for De-minimus discharges to surface waters. This permit authorizes the City and its contractors working in the City, to discharge non-storm water from well installations and well maintenance operations to surface waters, provided they comply with all of the following requirements:

- 1) Contractors shall submit a completed “Non-Storm Water Discharge Notification Form” to the Engineering Department as soon as the approximate date of the discharge is known, but no later than 5 days prior to the discharge. The notification form shall be sent by FAX to (909) 395-2122 to the attention of Yvonne Elliott.
- 2) The Engineering Department shall also be notified by telephone at (909) 395-2143 or (909) 395-2389, as soon as the exact date and time of the discharge is known.
- 3) Contractors shall provide treatment equipment for wastewater not meeting discharge requirements or shall contain and arrange for off-site disposal with a waste hauler. Discharges from acid cleaning of wells may be prohibited from entering the storm water drainage system if the pH is <6.5 or > 8.5 or Total Dissolved Solids are greater than the normal background level of the well water.
- 4) Discharges from well development sites shall not exceed the discharge specifications, receiving water limitations, prohibitions or any other provisions of the permit at any time during the discharge (Order R8-2003-061 is enclosed) and shall not contain constituent concentrations in excess of the following limits:

Constituent	Maximum Concentration
Oil and Grease	15 mg/l
Sulfides	0.4 mg/l
Total Residual Chlorine	0.1 mg/l
Total Suspended Solids	75 mg/l
Total Petroleum Hydrocarbons	100 ug/l

- 5) Contractors shall monitor discharges with a “grab” sample during the first 30 minutes of each discharge (each time well is started up and discharged to the storm drain) for the following constituents and shall deliver the sample to a representative from the City’s Public Works Agency:
 - a) Total Chlorine Residual (if chlorine is in the discharge)
 - b) Total Suspended Solids (TSS)
 - c) Total Petroleum Hydrocarbons (if site is contaminated)
 - d) Oil and Grease (if submerged pumps or oil and grease are used in de-watering)

The discharge “grab” sample shall be taken and delivered in accordance with 40 CFR, Part 136, including “Chain of Custody” paperwork.

- 6) Contractors shall sample and test all discharges into the City's storm drain system as necessary, utilizing calibrated field testing instruments, to guarantee compliance with the listed permit limits during the entire period of discharge.
- 7) A minimum level of treatment for well sites discharging sediment laden water shall be at least two 21,000 gallon Baker tanks or equivalent, in series.
- 8) At a minimum, contractors shall furnish the following discharge monitoring equipment:
 - a) Flow meter for well discharges and for fire hydrant discharges (to determine instantaneous flow rate, average and daily flow totals)
 - b) TSS meter (turbidimeter)
 - c) Chlorine test kit for testing Total Residual Chlorine (only if water is treated with chlorine or if chlorinated water is used for dilution)
 - d) pH meter or paper (for chemically treated wells only)
 - e) TDS meter (for chemically treated wells only)
- 9) Contractors shall take field samples, and record the results of these field samples, for TSS and Total Residual Chlorine (if the discharge water has been chlorinated or discharge is diluted with chlorinated water) during the first 30 minutes of each discharge into the storm drain system. If the water has been treated with acid, contractors shall additionally take field samples for TDS and pH and record the results of these field samples. If any field samples exceed discharge limitations of the permit or any Regional Board requirement, the well shall be shut down until additional treatment is installed and field testing is in full compliance or until an alternative method of disposal is found.
- 10) A written log shall be maintained at the work site for each discharge including: the discharge start and end date and time, flow meter reading for well discharges and fire hydrant discharges, total gallons of each discharge to the storm drain, all field test results. All reports shall comply with all of the requirements of the Monitoring and Reporting section of the permit. Copies of all written log sheets and laboratory analysis reports with chain of custody forms shall be submitted to Yvonne Elliott with the City of Ontario Engineering Department at 303 East B Street, Ontario, CA 91764 by the thirtieth (30th) day of each month during the project.

Enclosures