

**SIGNIFICANT DISCHARGE LOG**  
**for State Waste Discharge Permit No. ST 4508**  
**Hydrotest, Maintenance, and Construction Discharges**

Company \_\_\_\_\_

Organization/Project \_\_\_\_\_

Date	Discharge Type	Discharge Location	Source Water <sup>1</sup>	Additives	Total Volume Discharged (gallons)	Flow Rate <sup>2</sup> (gpm)	Soil Loading Rate <sup>3</sup> (gpm/ft <sup>2</sup> )	Responsible Person	Comments

<sup>1</sup>Surface water or potable water.

$$\text{Flow rate (gpm)} = \frac{\text{total discharge volume (gallons)}}{\text{total time of discharge (minutes)}}$$

$$\text{Soil loading rate (gpm/ft}^2\text{)} = \frac{\text{flow rate (gpm)}}{\text{surface area of discharge (square feet (ft}^2\text{))}}$$