

Water Utility O&M Potable Water Discharges to Storm Drain/Receiving Water

San Francisco Bay Municipal Regional Stormwater NPDES Permit (MRP)
Provision C.15.b.iii.



MRP Requirements: Apply to **ALL** potable water discharges to the storm drain and/or receiving water from water utility O&M activities

Planned Discharges: routine operation and maintenance activities that can be scheduled in advance, and such as disinfecting water mains, testing fire hydrants, storage tank maintenance, cleaning and lining pipe sections, routine distribution system flushing, reservoir dewatering, and water main dewatering activities

Category	Requirement
BMPs	Implement BMPs for dechlorination and erosion/sediment control
Notification	<p>Discharge $\geq 250,000$ gpd or $\geq 500,000$ gallons total notify Regional Water Board staff 1 week in advance and other interested parties who may be impacted by discharge.</p> <p>Notification must include:</p> <ul style="list-style-type: none"> Project name Type of discharge Receiving water body(ies) Date of discharge Time of discharge Estimated volume (gallons) Estimated flow rate (gpd) Monitoring plan
Monitoring	<p>Monitor each discharge for:</p> <ul style="list-style-type: none"> pH chlorine residual turbidity
BMP Effectiveness Evaluation	<p>Compare monitoring results to the following benchmark values:</p> <ul style="list-style-type: none"> Chlorine Residual: Post de-chlorination chlorine residual < 0.05 mg/L pH: Between 6.5 – 8.5 Turbidity: < 50 NTU¹
Reporting	<p>Submit in Stormwater Annual Report due to the Regional Water Board by September 15th each year the following:</p> <ul style="list-style-type: none"> project name type of discharge receiving water body(ies) date of discharge duration of discharge estimated volume (gallons) estimated flow rate (gpd) chlorine residual (mg/L) pH turbidity (NTU) description of BMPs & corrective actions

¹ There is also an option to limit an increase in turbidity above background levels in the Receiving Water. This requires receiving water monitoring upstream and downstream of the discharge. See MRP Provision C.15.b.iii.(1)(c)(ii) for the allowable incremental increase.

Unplanned Discharges: non-routine activities such as water line breaks, leaks, overflow, fire hydrant shearing, and emergency flushing.

Category	Requirement
BMPs	Implement BMPs for dechlorination, erosion/sediment control and administrative upon containing the discharge and attaining safety of site
Notification	Discharge \geq 50,000 gallons total and chlorine residual $>$ 0.05 mg/L notify Regional Water Board staff within 24 hours by phone/email of becoming aware of discharge. Within 5 working days after the phone/email notification submit a report documenting the discharge and corrective actions. Discharge results in any aquatic impacts (e.g. fish kill) or might endanger or compromise public health and safety report to the State Office of Emergency Services within 2 hours after becoming aware of issue.
Monitoring	Monitor 10% of discharges for: <ul style="list-style-type: none"> • pH • chlorine residual • visual turbidity
BMP Effectiveness Evaluation	Compare monitoring results to the following benchmark values: <ul style="list-style-type: none"> • Chlorine Residual: Post de-chlorination chlorine residual $<$ 0.05 mg/L • pH: Between 6.5 – 8.5 • Turbidity: low
Reporting	Submit in Stormwater Annual Report due to the Regional Water Board by September 15 th each year the following: <ul style="list-style-type: none"> • project name • type of discharge • receiving water body(ies) • date of discharge • duration of discharge • estimated volume (gallons) • estimated flow rate (gpd) • chlorine residual (mg/L) • pH • turbidity (low, medium and high) • description of BMPs & corrective actions • time of discharge discovery • notification time • inspector arrival time • responding crew arrival time

Emergency Discharges: result of firefighting, unauthorized hydrant openings, natural or man-made disasters (e.g., earthquakes, floods, wildfires, accidents, terrorist actions).

Category	Requirement
BMPs	Implement BMPs if they do not interfere with immediate emergency response operations or impact public health and safety. Priority efforts shall be directed toward life, property and the environment (in descending order).
Reporting	Determined by Regional Water Board staff on a case-by-case basis.