

**SEWER AUTHORITY MID-COASTSIDE**  
Staff Report

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**Subject / Title**

Receive and File Outfall Dilution Factor Study

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**Staff Recommendation:**

Receive and File Outfall Dilution Factor Study

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**Fiscal Impact:**

None.

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**Discussion/Report:**

SAM's new NPDES Permit requires that the instantaneous dilution factor of the current outfall configuration be determined and reported to the Regional Water Quality Control Board (RWQCB) within one year of the permit implementation. This work has been performed by Whitley Burchett & Associates (WBA).

As expected, the initial dilution varies depending on ocean conditions, such as tide and currents, as well as other factors such as flow rates. The report combines different methods to determine these values as well as presents initial dilution ranges, depending on conditions. Finally, the report indicates that under average ocean current speeds, the initial dilutions will be between 270 and 349, depending on the tidal stage. SAM's NPDES Permit currently describes the dilution factor as 119.

Staff has the dilution study available should anyone want to review it.

There are no attachments to this staff report.