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The Two-Dimensional Simulation Study of Flow Pattern near Guiding Wall of Oxidation Ditch

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ABSTRACT

Guiding wall is used to change the flow of the oxidation ditch as supporting structure, it widely uses eccentric setting, and its setting parameters are mostly empirical judgments. According to fluent software that simulates the velocity distribution of the guiding wall, to discuss the settings of the guiding wall in different length of downstream extension, eccentricity and guiding wall radius, so to work out its optimized settings.

KEYWORDS

Guiding Wall, the Length of Downstream Extension, Eccentricity, Simulation

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