

# Analysis of the Results: Including Sustainable Materials in Water Treatment Plant Structural Design

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**Abstract:** *The results and findings of the comprehensive study on the integration of sustainable materials in the structural design of water treatment plants. The data collected through various methodologies, including experimental research, case studies, expert interviews, and life cycle assessments, have been analyzed to provide insights into the performance, feasibility, and environmental impact of sustainable materials in water treatment infrastructure. The findings are organized into several key areas, each addressing specific aspects of sustainable material integration. Throughout this, data tables are presented to support the findings, providing quantitative evidence for the observations and conclusions drawn.*

**Keywords:** Integration, Sustainable Materials, Structural Design, Water Treatment Plants, Life Cycle Assessments, Performance, Feasibility, Environmental Impact