

### REGIONAL TREATMENT PLANT HEADWORKS UPGRADE PROJECT

*Owner:*

South Orange County Wastewater Authority  
Laguna Niguel, California

*Key Project Features:*

- Refurbishment of three barscreens, influent and barscreen channel repair
- New control panels
- New washer/compactor
- New conveyor belt
- Installation of new grit classifier
- New odor control duct
- Roof replacement of the Headworks building



*Key Personnel:*

Debra Burris, P.E.  
Jeannette Lindemann

*Project Dates:*

2009 - 2010

*DDB Engineering Services:*

- Project Management During Design Phase:
  - Review of design submittals
  - Prepared controls descriptions
  - Reviewed invoices and progress reports
- Construction Management:
  - Managed submittals
  - Managed request for information
  - Coordination of progress meetings
  - Review contractor invoices
  - Tracking schedule
  - Tracking budget
  - Managed change orders



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The Headworks Upgrade Project was a \$2 million capital improvement project that maintained the 12 mgd tertiary treatment capacity at the Regional Treatment Plant. DDB ensured the construction progress within budget and schedule. During construction of the project, a total of 15 change orders equivalent to \$77,207.54 (approximately 3.7% of the cost of the original contract) were processed due to unexpected conditions and additional work requested by the Owner.

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