



Sewage Treatment Plant
City of Nelson

PERSONNEL

P. Gigliotti, C. Town, I. Chapman

Approximate Value: (1st Phase): \$2,000,000 (2nd Phase): \$4,000,000

The Nelson sewage treatment plant was built in the early 1970's and consisted of screening, grit/grease removal, primary clarifiers and disinfection. Sludge was handled with anaerobic digesters and sludge drying beds.

With the plant at capacity and in need of an upgrade, a detailed assessment was made as to how this could be achieved within the City's limited capital resources. A phased plan was developed which would initially address the most serious operating issues and later upgrade the plant to secondary treatment.

The initial phase addresses screening and grit removal, the digester gas handling and safety issues, digester rehabilitation, sludge dewatering, phase-out of the drying beds, and replacement of the gas chlorination system. By systematically reducing operating costs, monies were set aside for the plant expansion in the second phase.



client
City of Nelson

project
Sewage Treatment Plant

services
Feasibility, Pre-Design,
Design, Construction

year
2000

file
1.0795.0051.02