

# CASE STUDY - RECOVER-ALL™

## KEEPING THE WASH WATER CLEAN



Durabac, Granby, Québec



Durabac's Wash Station



RECOVER-ALL™ Installation



BEFORE and AFTER

ERE INC. is a Technology Solution Company, specializing in manufacturing of treatment systems for a variety of water treatment applications.

### INTRODUCTION

For over 20 years, Durabac has become a Quebec leading manufacturer of environmental equipment, such as waste and recycling containers, roll-off containers, plastic containers, self-dumping hoppers and dumping plastic karts, constantly improving and developing new and safer products at competitive prices. One of their processes includes the washing of the oily protective film on the containers prior to painting. This washing process takes place in a dedicated wash station using a hot water pressure washer and soap. The process water is then drained to a trench situated in the factory.

### THE PROBLEM

With the reconstruction and amelioration of their manufacturing plant, Durabac's initiative was to take care of the contaminants produced by the washing process, such that environmental norms are met. They produce approximately 500,000 liters/year of contaminated water, and treatment takes place in batches of about 20 liters at a time. Influent water contaminants are summarized in Table 1.

Analysis	Pre-Treatment	Post Treatment
pH	7.76	8.04
Petroleum Hydrocarbons C10-C50 (ug/L)	1090	<100
TSS (mg/L)	109	<10
Copper (ug/L)	96	4
Nickel (ug/L)	25	7
Lead (ug/L)	18	<1

### THE SOLUTION

Durabac was in search of a compact, fully automated system capable of filtering and removing sediments, separating oil from water and treating the water to regulated discharge levels before sending it to the drain. What makes the unit really interesting is the compact-cabinet mount with level controls and touch screen. Durabac wanted a system that was easy to use, and found it with RECOVER-ALL™, with its user-friendly human interface and automatic treatment process.

The installation was easy. The RECOVER-ALL™'s inlet was plumbed into the sump pit, and a level float switch was installed to activate it when there was water in the pit.

### THE RESULT

The main concern for Durabac was sending a contaminated process water to the sewer. The summary of post treatment results indicate that RECOVER-ALL™ was capable of removing petroleum hydrocarbons, total suspended solids and metals to below norm, while reducing environmental risk, with a cost-effective, low maintenance solution.

Environmental Remediation Equipment inc.

T: 514.326.8852 F: 514.326.8961 sales@ereinc.com  
8605, Champ d'Eau. Montréal, Qc. H1P 3B8

ereinc.com | Toll free 1-888-287-3732

