



Business for Social Responsibility

Water Management in the Apparel & Textile Supply Chain

CEO Water Mandate Second Working Conference
August 21-22, 2008
Linda Hwang, Business for Social Responsibility

Agenda



- BSR's Sustainable Water Group – history and objectives
- Information management and reporting
- Membership = Requirements for implementation
- Expansion 'upstream' and into new industries

Sustainable Water Group

Dedicated to responsible practices around water use and wastewater discharge in supply chains using industry-developed guidelines.

Emergence of an Industry Standard:

- 1** Clear and consistent expectations for the environmental performance of mills and laundries regarding wastewater
- 2** Standards are reviewed by environmental and textile industry experts to ensure adequacy and technical feasibility
- 3** Standards designed to allow individual companies to implement a water effluent treatment program that fits their business objectives

Member Companies

Coldwater Creek, Inc.
Gap Inc.
H&M Hennes & Mauritz AB
JC Penney Company
LL Bean
Levi Strauss & Co.
NIKE, Inc.
Nordstrom, Inc.
Timberland

Information Management & Reporting

WebH2O: Online Environmental Information Database Tool

NEW CLEAR WATER PROGRAM
FORM 2: REQUEST FOR SUPPLIER INFORMATION

Facility Information

Mile Number/Code	
Price Available/Date	
Mile Number/Name	
Physical Facility Address	
Supplier Contact Information	
FINANCIAL	

NEW CLEAR WATER PROGRAM
FORM 3: REQUEST FOR SUPPLIER INFORMATION

Supplier Location Information

Supplier Contact Information

Supplier Financial Information

Supplier Performance

The New Way

- Web-based tool for collecting, storing, sharing, displaying and analyzing environmental and geospatial data
- Combines Information Management System with Geographic Information System, science modules and built-in technical expertise
- Controlled and secure user access

The Old Way

- Combination of word documents and excel spreadsheets
- Static information
- Very inexpensive
- Easy to learn and use

Add Measurements

Save and continue editing Save and add another Save

Date measured: 2008-07-31 Today |

Measured by:

View status: Unreported

Measurements

Temperature (Celsius):

pH:

TSS (mg/l):

BOD (mg/l):

COD (mg/l):

Antimony:

Information Management & Reporting

WebH2O: Online Environmental Information Database Tool

The screenshot displays the WebH2O interface. On the left is a table of water quality guidelines, and on the right is a map of Mexico with a data popup for a factory.

BSR-AWQWG WATER QUALITY GUIDELINES & TESTING STANDARDS			
Parameter	2006	2007	2008
Sampling	★	★	★
Temperature	★	★	★
pH	⚠	⚠	★
Traditional Parameters:			
Total Suspended Solids	⚠	⚠	⚠
Biochemical Oxygen Demand	⊘	★	★
Chemical Oxygen Demand	★	⚠	★
Chemical Constituents:			
Antimony	★	★	★
Arsenic	⚠	⊘	★
Cadmium	⊘	⚠	★
Chromium	⊘	⚠	★
Cobalt	⊘	⚠	★
Copper	⊘	⚠	⚠
Cyanide	⊘	★	⚠
Lead	⊘	★	⊘
Mercury	⊘	⚠	★
Nickel	★	★	★
Zinc	⚠	⚠	⚠
Color			
Color	⚠	⚠	★
Foam:			
Foam	⚠	⚠	★
Domestic Sewage:			
Domestic Sewage	★	★	★

The map shows Mexico with several data points. A popup for 'Factory' provides the following details:

- 20** Factory
- MWSHAPEID: 20
- COUNTRY: MEXICO
- FACTORY: VERTICAL KNITS S.A DE C.V
- ADDRESS: FABRIC PLANT: C 20 #131 C X 27 Y 29 BACA YUC. SEWING PLANT: C 20 #84 X 15 Y 17 CP 97450 BACA YUCATAN 97450
- LATITUDE: 21.08333
- LONGITUDE: -89.395

Membership Requirements

The credibility of the group depends in part on implementation requirements.



- Each company will be required to implement wastewater guidelines within x months of becoming a member.
- “Implementation” is defined by the collection of water and wastewater data from x number of suppliers.
- Membership may also require the sharing of a basic set of water-related statistics to the entire group.

Expansion 'Upstream' and into New Industries

From Apparel Water Quality Working Group to Sustainable Water Group.



- Members voted to expand the focus of the group into existing members' additional consumer products (footwear, leather and accessories)
- Expansion will also include management of facility-level water use.
- How will we break down "water use": textile dilution, color matching, laundering, line cleaning, etc.
- How much energy and chemicals usage do we save when we increase water efficiency?
- Food processors in the U.S. have similar requirements for water management.



Sustainable Water Group

There are always more opportunities for collaboration.



- Industry guidelines for water use in the supply chain
- Supplier training / industry awareness
- Technical expertise
- Database of best practices
- Database of national regulations and permit systems
- Promotion of POTWs
- Community engagement programs
- Capacity-building for local government