CARGILL CORN MILLING & REFINERY – CEDAR RAPIDS

VIEW OF FLOODED PLANT, FRIDAY, JUNE 13, 2008
Documents – Vital Records
Port Restoration Experience

Port of Galveston
Virgin Island Port Authority
Chilean Armada Concepcion
Chilean Armada Valparaiso
Port Of Savannah
Port of Pensacola
Port of Vancouver
22 Ports in Europe
4 Ports in Central and S America
5 Ports in Asia
2 Ports in Africa
Ship Restoration Experience

- Oosthinder - Netherlands
- Flinterzee - Finland
- Thea-an - Netherlands
- Wind Song - Tahiti
- Winterset - Puerto Rico
- Aruba - Netherlands
- Don Andres – Curacao
- Loeres - Netherlands
- Morse – Belgium
- MV Nedloyd Nina - France
- MV Est - Scotland
- Seven Seas - France
- Joko V – Netherlands
- Star Princess - Germany/USA
- Atlantic Princess - Netherlands
- Southern Carrier - France
- Moana - Netherlands
- Sakhalin - South Korea
- Celtic Explorer – Rumania
- Vissersbank – Netherlands
- Marco Polo - Dubai
- Diamond Princess - Japan
- Traquais - Curacao
- MV Pascal Paoli - Netherlands
- Cosmos 1 - Netherlands
- Forte - Netherlands
- Forte - Netherlands
- Westerdam - Italy
Cruise Line Fire (In Cabin)
Cruise Line Fire (In Cabin)
HVAC System
Electrical Conduit
Final Clean and Deodorization (Preparation For Passengers)
Carnival Splendor

November 2010 – Being Towed Into San Diego Harbor
Carnival Splendor

Relocated With Tug Boats To Tenth Avenue Terminal
Tenth Avenue Terminal
Staging Area and Portable Office
The Process Begins
Engine Valve Head Cover
Cleaning Begins
Cleaning Begins
Ship Restoration
Ship Restoration

Generators On The Pier Supplied Power
Ship Restoration

Satisfied Client
Cargo Ship Restoration

- Levels – 13
- Capacity – 5,980 Cars
Cargo Ship Restoration

Challenge

- Timeline - Ship Had To Be Back On The Sea In 6 Days
- Every Day In Harbor = $75,000 Lost
- 22 Cars - Not Allowed To Leave Ship in Contaminated Status
- Approval of US Forces Needed – Part Military Vehicles
- Power and Water Supply
- Collection and Disposal of Big Amounts of Water and Cleaning Chemicals
Cargo Ship Restoration

- 199 Cars Restored In 18 Hours
Cargo Ship Restoration

- Project Duration - 6 Days
- Start 7:30 a.m. Sunday - Finished 3:30 a.m. Saturday
- $2.3 Million - Value of Cars Lost Without Restoration
- $56,000 – Restoration Costs of Cars
- Used and Disposed 1,466 Cubic Feet of Water
Restoration of Semi-Submersible Drilling Rig SCARABEO 8 - Fire
Replace vs. Restore?
Replace vs. Restore?

- Cost of Restoration vs. Cost of Replacement
- Time of Restoration vs. Time of Replacement
Business Interruption

- Cost Per Day of BI or ALE
- Cost of Employees
Documentation of Damage and Costs
Project Schedule
Moisture Map
Decontamination Plan

### Port Grey Area

<table>
<thead>
<tr>
<th>Deck</th>
<th>Aft Blast Limit</th>
<th>Aft Grey Boundary</th>
<th>Starboard Grey Area</th>
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<tr>
<td>Deck 14</td>
<td>No blasting</td>
<td>F68</td>
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</table>

### Damage/Costs

- **Corrosion products**
- **Pipe wall**
- **Corrosion pit**

### Table

<table>
<thead>
<tr>
<th>Area</th>
<th>Surface</th>
<th>Steel Structure</th>
<th>Out Fittings</th>
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<tr>
<td>Total Loss zone</td>
<td>All</td>
<td>Total replacement.</td>
<td>Total replacement.</td>
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<tr>
<td>&quot;Dark Grey&quot; Area</td>
<td>Ceiling and walls down 1 metre from ceiling.</td>
<td>Grit or water blasting.</td>
<td>All replaced, except:</td>
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<tr>
<td></td>
<td></td>
<td>Walls below 1 metre from ceiling, and deck.</td>
<td>□ piping protected by insulation (but insulation replaced).</td>
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<td></td>
<td>Specialist chemical cleaning &amp; fresh water rinsing.</td>
<td>□ Supports for cable hangers and pipes/ducts.</td>
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<td>&quot;Light Grey&quot; Area</td>
<td>All</td>
<td>Stainless steel pipes to be replaced.</td>
<td>All insulation replaced.</td>
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<td></td>
<td></td>
<td>All insulation replaced.</td>
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<td>Clean Area</td>
<td>All</td>
<td>Normal cleaning as per yard practice.</td>
<td>All retained.</td>
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Project Summary – Invoice Book

Carnival Splendor

Invoice

Invoice #
1234-5-2000001
## Summary Of Charges

**REPORT CONDITIONS:**  

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<th>Billing Category</th>
<th>Transaction Date</th>
<th>Classification / Item Description / Vendor Name</th>
<th>Name / Invoice #</th>
<th>Type of Hour / Unit</th>
<th>Rate</th>
<th>Sum of Hours / Units Worked / Invoice Amount</th>
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**BELFOR**  
**Property Restoration**
## Crew Activity Sheet

**Date:** 5/17/09  
**JOB NUMBER:** 2510-9-20029  
**JOB NAME:**  
**SHIFT:** Thrus.  

<table>
<thead>
<tr>
<th>Name</th>
<th>Class</th>
<th>Start Time</th>
<th>Stop Time</th>
<th>Break</th>
<th>Total Hours</th>
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<tbody>
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<td>Wood, Shanna</td>
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<td>S. Wood</td>
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<tr>
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<td>Patty S. Lee</td>
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<td>P. Lee</td>
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<td>D. Kent Pingel</td>
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<tr>
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<tr>
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<td>4:30</td>
<td>5:50</td>
<td>J. Blythe</td>
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</table>

**Description of Work Performed:**

Remove glass from gable field and smoke damage from interior of practice facility. (Only in safe area for access.)

**Supervisor:**

**Signature:**

---

**Belfor Property Restoration**
# BELFOR Services Overview

## BELFOR services

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<th>Reconstruction</th>
<th>Drying</th>
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<td>24-hour emergency response</td>
<td>Water extraction/dehumidification</td>
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<tr>
<td>Site containment/temporary shoring</td>
<td>Intrusive investigation/demolition</td>
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<tr>
<td>Full-scale carpentry</td>
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<tr>
<td>Construction defect reconstruction</td>
<td>Machinery and electronics restoration</td>
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<tr>
<td>Repair or replacement of roofing</td>
<td>Machinery/factory line implementation</td>
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<tr>
<td>Interior build out and finishes</td>
<td>Document and median restoration</td>
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<tr>
<td>Complex installation and interior finishing</td>
<td>Vacuum freeze drying</td>
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<tr>
<td>High-rise reconstruction/restoration</td>
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<td>Historic reconstruction/restoration</td>
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<td>Complete electrical, mechanical and plumbing</td>
<td>Low vapour pressure dehumidification</td>
</tr>
<tr>
<td>Complete exterior envelope</td>
<td>Microwave technology</td>
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</tbody>
</table>

### Restoration

| Facility cleaning and decontamination | HVAC and duct restoration |
| Machinery and electronics restoration | |

### Other

- Environmental services
- Consulting
- Fire protection (Europe)

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BELFOR’s Red Alert® program creates formalized relationships for future response
Effect of Contaminants in Soot On Electronic Components
Effect of Contaminants in Soot on Electronic Components

- Quick Test For Chlorides and PH
- Wipe Samples
- Specific Humidity’s Interaction With Contaminants
- Short-Term Protection From Corrosion
- The Decontamination Process
- Wet Cleaning
- Modified Wet Cleaning
- Dry Cleaning
- Ultrasonic Cleaning
- Diagnostics
Quick Test – Chlorides and PH

CST - R30
Chloride Quick Test
For quick qualitative checks of chlorides on metal, painted and plastic surfaces.

This quick test gives an overview about chloride contamination. Exact values must be determined by quantitative analysis in professional laboratories.

Charge: 
Shelf life: 
Contents: 

CST - R30 Chloride Quick Test
For quick qualitative checks of chlorides on metal, painted and plastic surfaces.

This quick test gives an overview about chloride contamination. Exact values must be determined by quantitative analysis in professional laboratories.

In use:

1. Prepare the test strip in the test tube, highlight according to the test tube and note the color. Store the test strip in the test tube for up to 10 days.
Wipe Samples
Wet Cleaning
Dry Cleaning
Ultrasonic Cleaning
Ultrasonic Cleaning

BEFORE

AFTER
Decontaminating Structural Components
Decontaminating Structural Components

- Cross Contamination
- Corrosion of Metal Surfaces
- Soft Surfaces
- Wood Components
- Odor Control
Moisture Instruments
Thermographic Inspection
Injection Drying
Temporary Climate & Humidity Control
Odor Removal
Deodorization

[Image of a deodorization device]
ENVIRONMENTAL SERVICES

- Asbestos Abatement
- Hazardous Material Handling
  - Lab Pack
  - Chemical Spills
  - Bio Hazards
  - Infectious Waste
- Radiological Handling
- Lead Paint Removal
Mold Remediation
DOCUMENT RESTORATION

- Audio Tapes
- Blueprints
- Books
- Compact Discs
- Data Files
- Diskettes
- Documents
- Drawings
- Files
- Film
- Laser Discs
- Library Materials
- Magazines
- Magnetic Media
- Manuscripts
- Maps
- Microfiche
- Microfilm
- Negatives
- Paintings
- Parchment
- Photographs
- Plans
- Slides
- Transparencies
- Vellum
- Video Tapes
- Vital Records
- Whiteprints
- X-Rays
Document Restoration
DOCUMENT RESTORATION

THE COMPANY TO KEEP ON FILE
Business update — Vertical integration: Current DUCTZ locations

80 territories in 30 states
SOOT REMOVAL FILM
QUESTIONS