



Formosa Plastics Corp. – Texas

Point Comfort, Texas

Colorado and Lavaca Rivers &
Matagorda and Lavaca Bays

Basin and Bay Area Stakeholder
Committee (BBASC) Meeting

January 26, 2011



Gulf Coast of Texas

- 250 Chemical Plants from Beaumont to Corpus Christi
- 85,000 Employees
- 20% of all Texas Manufacturing



Calhoun, Victoria, and Jackson Counties

- 5000 Chemical Plant Jobs
- 1500 Maintenance Contract Jobs
- 25,000 Support Jobs
- \$400 Million in Annual Payroll
- Formosa Plastics, Dow Chemical, Alcoa, etc.

Introduction to FPC-TX



Introduction to FPC-TX

- **1980-1983** **VCM & PVC Plants (\$250 Million)**
- **1990-1995** **LLDPE, PP I, HDPE I,
Chlor-Alkali, EDC, EG, OL I,
Utilities (Power, Steam,
Water, CWTP) (\$1.6 Billion)**
- **1998-2002** **PPU, GHU, PP I 4th production
line, HDPE I 3rd production line,
10-27% de-bottleneck in all
plants, HDPE II, PP II, OL II
(\$900 Million)**
- **2002-2004** **Refurbish PVC (\$170 Million)**
- **2006-Present** **Specialty PVC, CFB (In
Construction)**

Total \$2.9 Billion prior to Specialty PVC and CFB

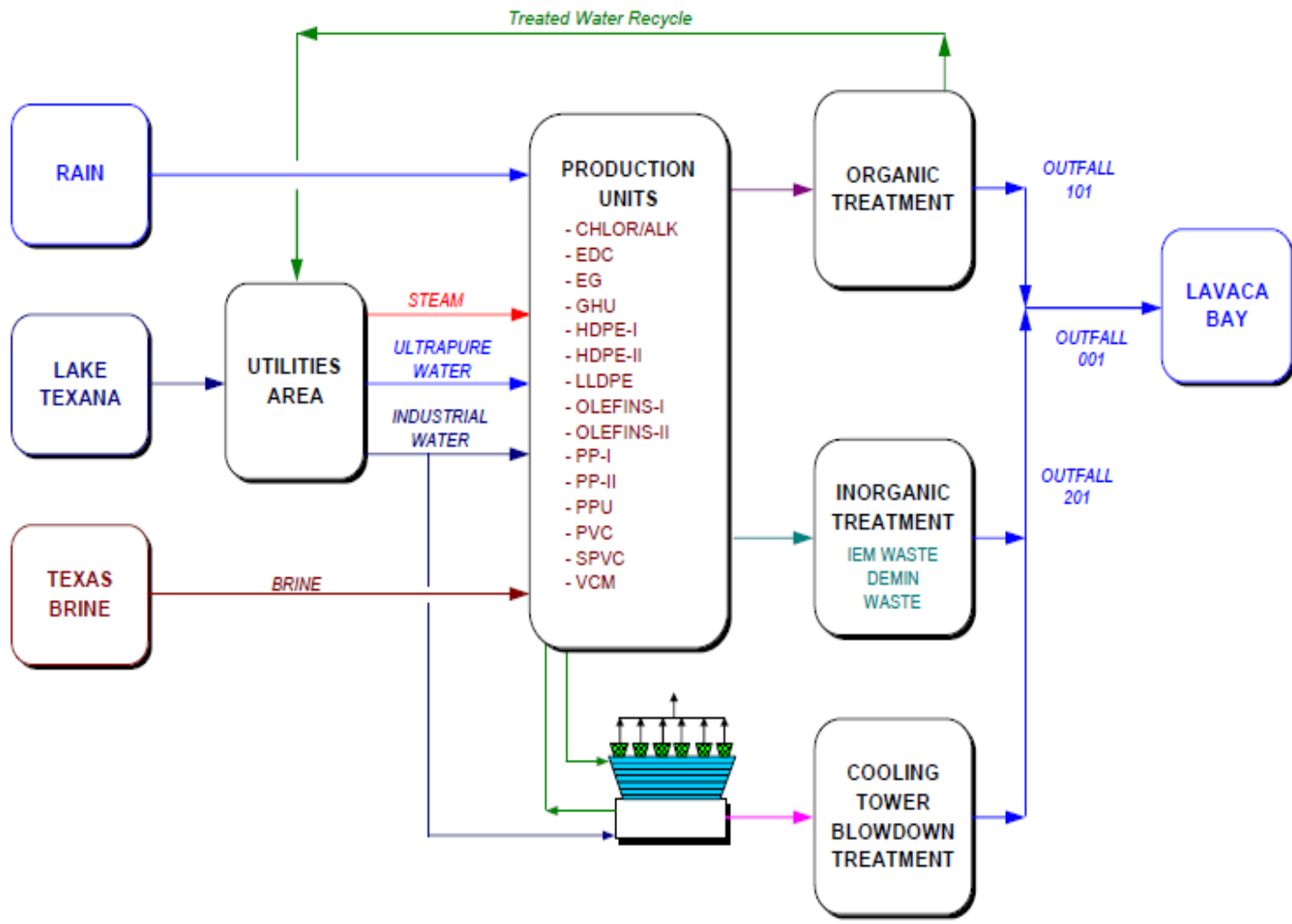
Consumer Products

- **HDPE I & II Plants** – 48 grades of resins contribute to shopping bags, trash bags, thin plastic bags, milk jugs, bottles, storage containers, and various other products
- **PP I & II Plants** – 73 grades of resins contribute to food wrap, tape, furniture, battery cases, carpet, fishing net, auto parts, and various other products
- **LLDPE Plant** – 32 grades of resins contribute to heavy duty bags, containers, toys, and various other products
- **PVC Plant** – 5 grades of resins contribute to gloves, raincoats, shower curtains, pipe, credit cards, building panel, house siding, and other various products
- Note: the various chemical intermediates made (BTX, EDC, etc) are sold to various customers where they are further processed into some of the products listed above.



FPC-TX & Water Use

- Water right through Lower Navidad River Authority (LNRA) to obtain raw water from Lake Texana Reservoir
- Raw water is cleaned and utilized by virtually all of the operating units





FPC-TX Water Recycling

- Third Train Biological Treatment (2001) – Recovers 1 – 1.5 MGD of low TDS treated process water for Cooling Tower Make-up.
- Process Area Stormwaters collected for Cooling tower Make-up
- Boiler Blowdown directed to Cooling Towers as Make-up
- Increased Cooling Tower cycles by utilizing side-stream filtration



FPC-TX & Water Treatment

- Combined Water Treatment Plant (CWTP) provides a “combined” discharge from a single permitted outfall
- CWTP takes care of all
 - Contaminated Process Wastewater
 - Contaminated Stormwater
 - Cooling Tower Blowdown
 - Sanitary Wastewater from the site (recycled)

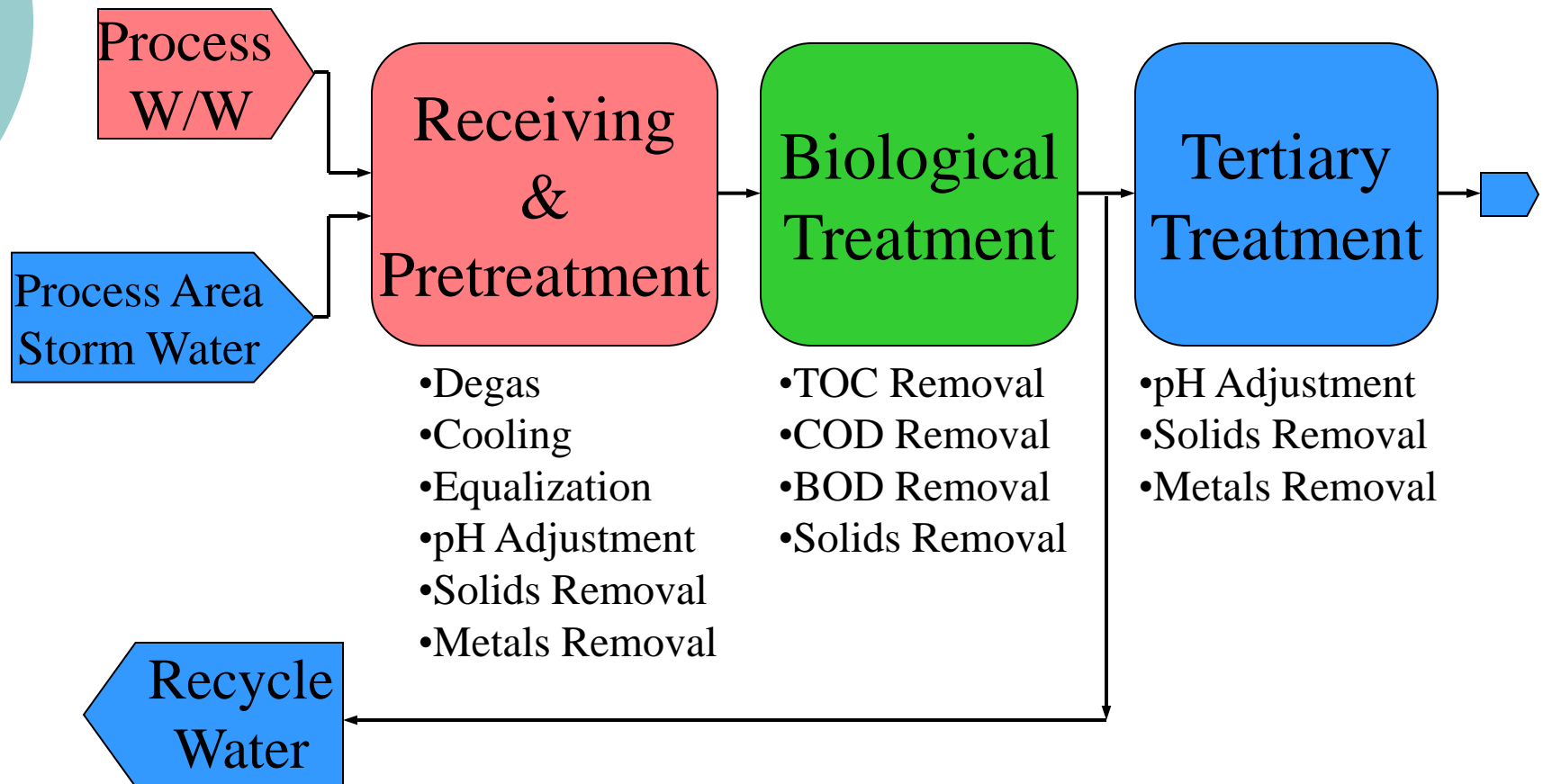


FPC-TX & Water Treatment

- Biological Treatment
 - Treatment of organically contaminated waste streams
- Inorganic Treatment
 - Treatment of non-organic waste streams

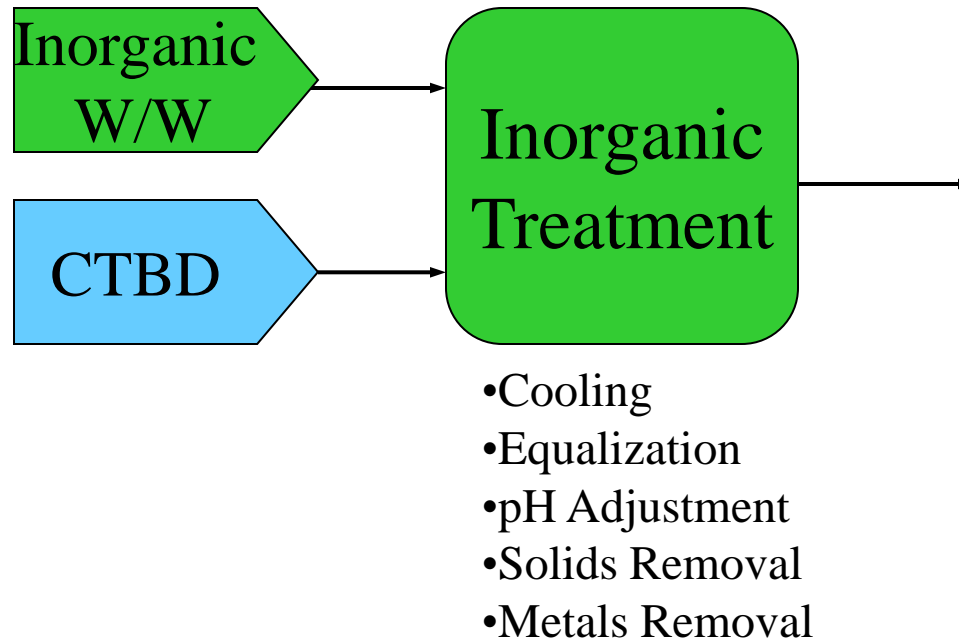
FPC-TX & Water Treatment

○ Biological Treatment



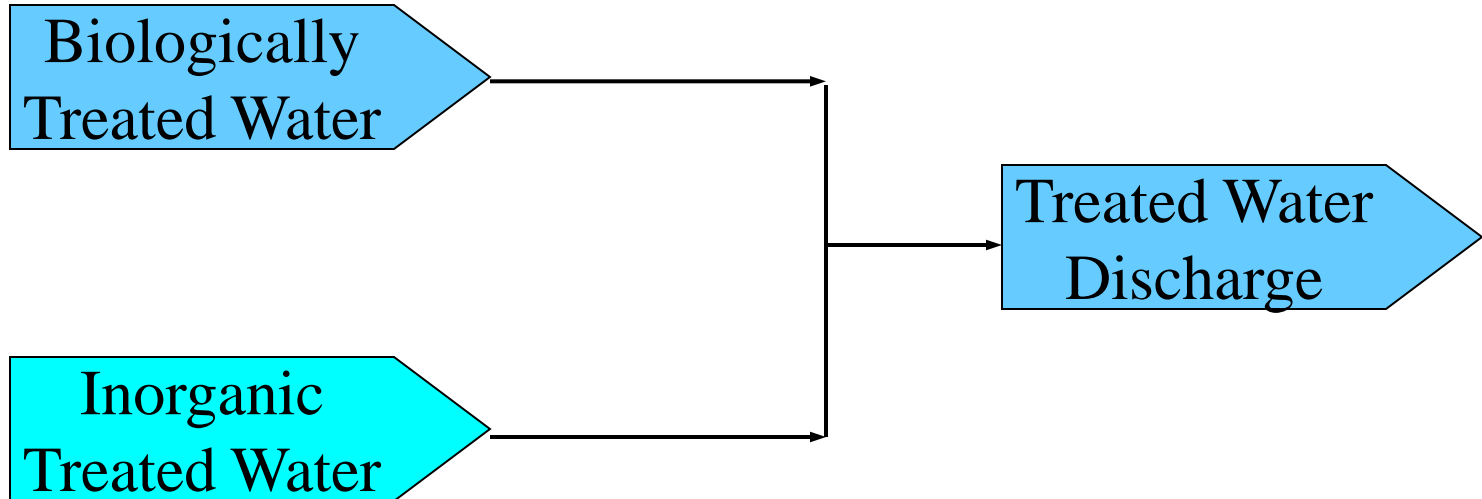
FPC-TX & Water Treatment

○ Inorganic Treatment



FPC-TX & Water Treatment

- CWTP Effluent Discharge



Formosa-Tejano Wetlands

- Located in Jackson County
- 245 total acres
- Maintains permits to pump water from Keller Creek and West Carancahua Creek

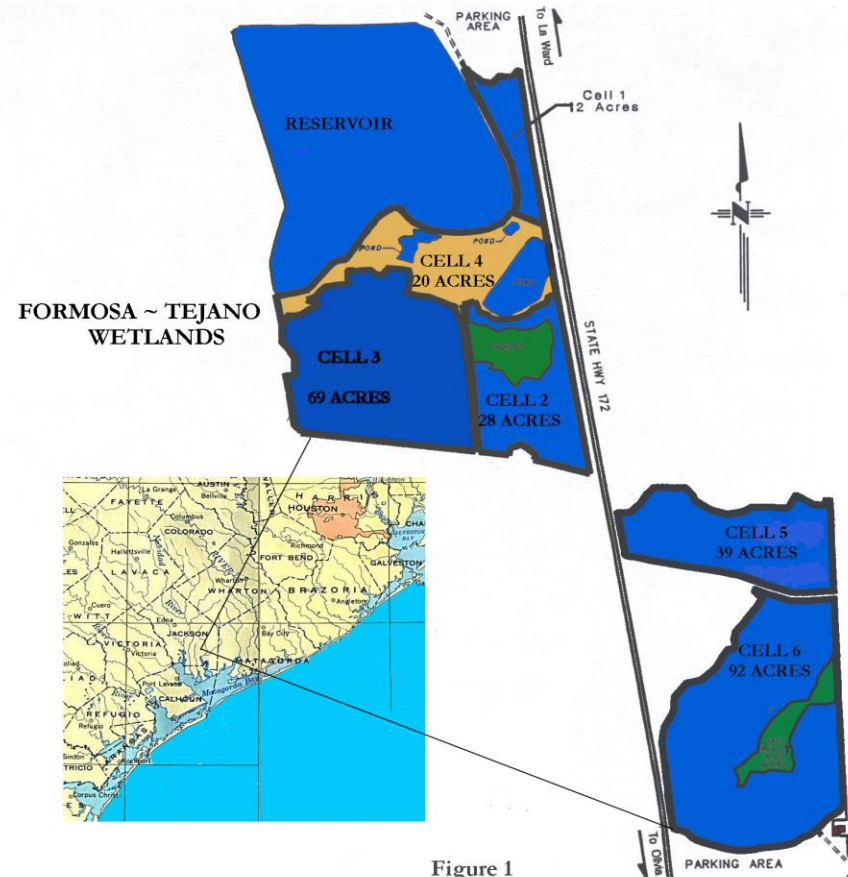


Figure 1
Modified from Formosa
Wetland Media Document
1999



Formosa-Tejano Wetlands

- Erosion Reduction
 - Wetland vegetation as a shock absorber
- Flood Control
 - Slow down or dissipate flood waters during large rainfall events or storm surges
- Water Quality Improvement
 - Natural filtering systems for sediment and some toxins (heavy metals, pesticides, fertilizers)



Questions?
