

# St. Charles Operations

Union Carbide Corporation – A Wholly Owned Subsidiary of The Dow Chemical Company

## INDUSTRY PARK OPPORTUNITIES



# Location and Access

- Less than 25 miles from New Orleans and 60 miles from Baton Rouge
- Industrial area of 2,000 acres with minimal community nearby



# Transportation Options Abound

- **Located on the Mississippi River, the World's second largest navigable inland waterway system (14,500 miles)**
- **Interstate 310 and the U.S. Interstate System – 6 miles**
- **Union Pacific Railroad onsite**
- **International Airport – 16 miles**



# Close to the culture of New Orleans

- **New Orleans is at our doorstep** (20 min. west)
- **Embraces a unique culture** that enjoys music, art, fine cuisine and family
- New Orleans is home to **two professional sports franchises**, the New Orleans Saints (NFL) and the New Orleans Hornets (NBA)
- **A culturally diverse region**
- **Among the largest meeting/convention centers** in the USA



# Site Map

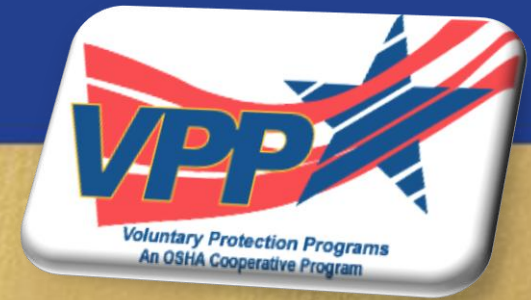


# St. Charles Operations Advantages

- **Many Process Utilities** – available on site
- **Other Utility Distribution** – N<sub>2</sub>, O<sub>2</sub>, H<sub>2</sub>, Instrument Air
- **Water Distribution** – Process, Potable, Demineralized, Condensate
- **Waste Treatment** – Sewage & Waste Water
- **Access to deep water ports**
- **All modes of transportation infrastructure** available – Truck, Rail, Marine, Pipeline
- **Certified truck and railcar weigh scales**



# OSHA VPP STAR Certified Site



- SCO Awarded OSHA VPP STAR Certification in 2004.

## What is VPP (Voluntary Protection Program) ?

- Awarded by the U.S Occupational Safety and Health Administration for exemplary Safety and Health Performance and Management Systems
  - Injury/Illness in Top 15% of U.S. Worksites

Awarded “**Super Star**” Status in 2007 –injury performance 75% below National Averages



# Site Services

- **On-site Emergency Services & Security**
  - Emergency and Hazmat Response
  - Fire Protection
  - Medical Responders
  - Incident Management
- **On-site Health & Medical Services**
  - Medical Surveillance
  - Health Promotion
  - Work Related Injury/illness Management
- **Engineering Services**
  - Project
  - Non- Project Subject Matter Experts
- **Maintenance Services**
  - Repair
  - Site Services
  - Subject Matter Experts
  - Equipment
- **EH&S Services**
- **Logistics Services**
- **Analytical Services**



# Dow Services

- Environmental Health & Safety
- Supply Chain
- Human Resources
- Information Technology
- Customer Service
- Marketing and Sales
- Procurement
- Finance
- Six Sigma



# Finished Products

- Acrylic Acid
- Butanol (iso and normal)
- Carbowax PEGS
- Crude Butadiene
- Di-Ethanolamine (DEA)
- Ethyl Acrylate (EA)
- Ethyl Hexyl Acrylate (EHA)
- Ethylene
- Ethylene Oxide
- Fuel Oil
- Glycol Ethers (Methyl Carbitol)
- Higher Glycols (Triethylene Glycol, Tetraethylene Glycol)
- Light & Heavy Amines
- Mono-Ethanolamine (MEA)
- Methoxydihydropyran (MDP)
- MethylMercapto Propionaldehyde (MMP)
- Polyethylene
- Propylene
- Pyrolysis Gasoline
- Surfactants



# Raw Materials Available

- Ammonia
- Butene
- Butadiene
- Caustic
- Ethanol
- Hexene
- Hydrogen
- LPGs (Ethane & Propane)
- Methanol
- Naphtha
- Natural Gas
- Oxygen
- Sulfuric Acid
- Vinyl Methyl Ether



# Pipeline Connections

- **Nitrogen and Oxygen – Air Liquide**
- **Hydrogen – Air Products**
- **Ammonia**
- **Fuel Gas**
  - 4 high pressure suppliers – Bridgeline, Gulsouth, Acadian, LRC
- **Hydrocarbons**
  - Ethane (purity and E/P mixture)
  - Propane
  - Ethylene
  - Propylene
  - Crude Butadiene



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