

APRIL 2024

OxyChem®

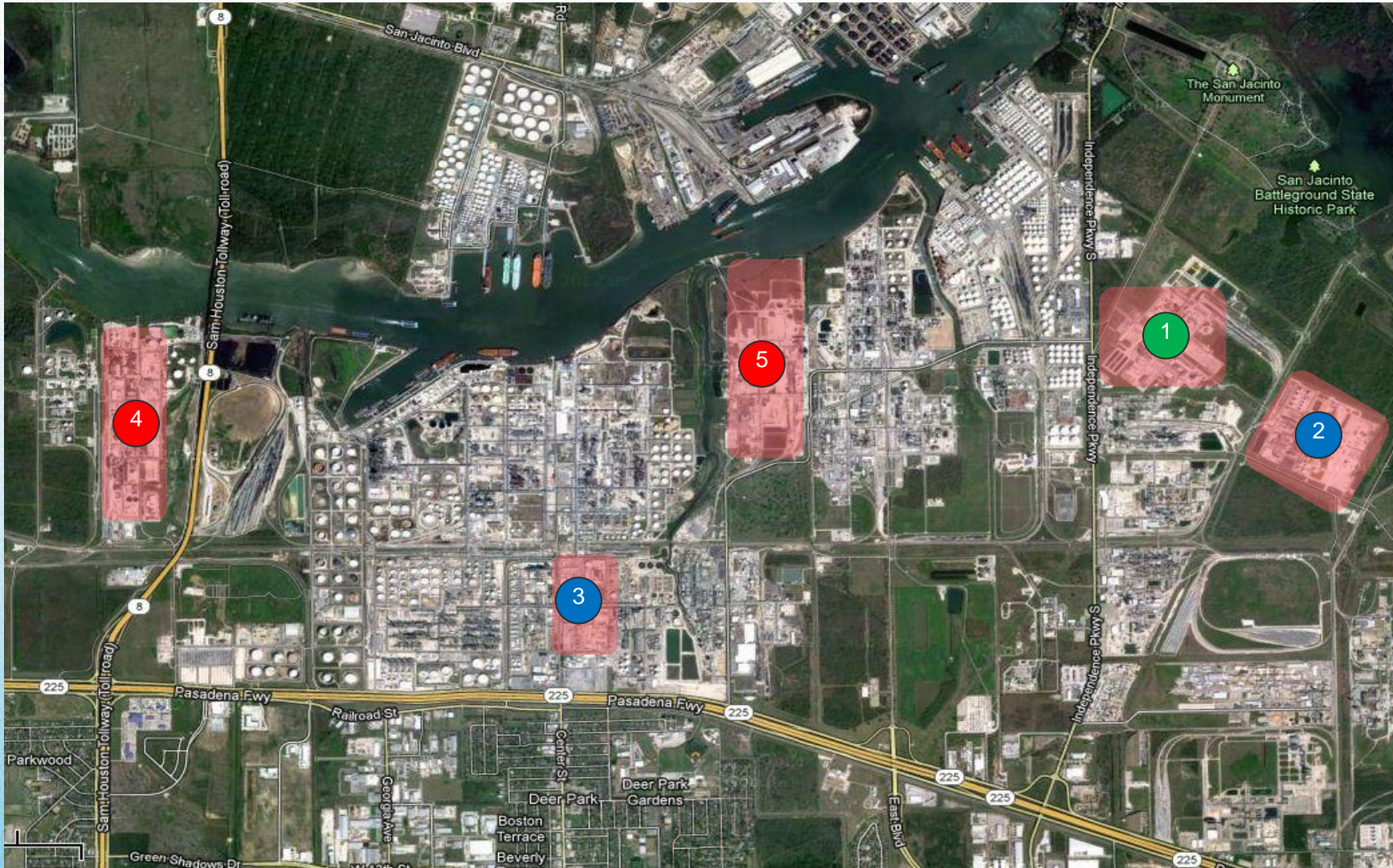
EMERGENCY RESPONSE

ORGANIZATION AND COMMUNICATION

Pasadena PVC Plant Manager - Eric Delgado

Pasadena PVC Safety Manager – Brandon Pearson

OXYCHEM'S HOUSTON PLANTS



Chlorine and NaOH Caustic

- 1 Battleground Chlor-Alkali

Vinyl Chloride Monomer

- 2 La Porte VCM
- 3 Deer Park VCM

PolyVinyl Chloride

- 4 Pasadena PVC
- 5 Deer Park PVC / KOH

PVC IN EVERYDAY LIFE



Decking/Doors/Exteriors



Siding



Pipe Fittings



Windows



Medical Tubing



Pool Liners



Flooring



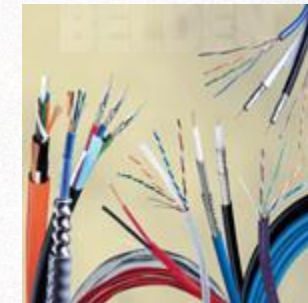
Pipes



Wall Coverings



Fencing



Wire & Cables



Blood Bags



PVC Duct



Roofing Membranes



Solar Energy Cells on PVC Roofing Membrane



Business Machines



IV Bags

THE HOUSTON MANAGEMENT TEAM

PLANT MANAGERS

Eric Delgado – Pasadena PVC

Jeff Koetitz – Deer Park PVC

Scott Halbrooks – LaPorte VCM

Josh Munn – Deer Park VCM

Jorge Pino – Battleground C/A

SAFETY MANAGERS

Brandon Pearson – Pasadena PVC

Ryan Swenk – Deer Park PVC

David Grounds – LaPorte VCM

Chris Robb – Deer Park VCM

Andrew Verga – Battleground C/A

THE EMERGENCY RESPONSE GROUP

Justin Cox, EMT-P (Emergency Services Lead)

Kevin Machemehl, LP (Emergency Services Tech.)

Steven Longenecker, EMT-B (Emergency Services Tech.)

Jacinto Narvaez, EMT-B, TCFP (Emergency Services Tech.)

The Emergency Services Group has a long and dedicated role in the success of OxyChem Houston by providing professional emergency response services of all disciplines, as well as providing initial and continuing education to all emergency response personnel. The Emergency Services Group, in parallel with day-to-day operations, participates and engages in leadership roles with outside agencies such as CIMA, LEPC's, Chlorine Institute, TRANSCAER and many more.

HEAT

- Staffing of 115 ERT Members
 - All trained in Fire, Rescue, HazMat and Medical
 - 3 Paramedics
 - 4 EMT-B
 - 5 ECAs (Emergency Care Attendant)
- Emergency Services Lead and Technicians
 - Command Staff
 - Central EOC
- ERT Captains



HEAT OVERVIEW

Incident Commanders

- Shift Supervisors and 'Upgrade' Supervisors are trained to Incident Management for Industrial On-Scene Commanders
- Stricken Facility S/S assumes Command of all incidents at their facility
- Vast knowledge of process and emergency response operations

STRIKE Team

- Off-site Transportation Emergency Response Team
- CHLOREP Sector 14 (Texas, Oklahoma and New Mexico) first response team
- Responds anywhere in the US/Canada for Oxy Products



HOUSTON EMERGENCY ACTION TEAM

DISPATCH CENTER

- Located at the Deer Park PVC site
- Receives and dispatches all emergencies for all Houston OxyChem facilities
- Receives and dispatches all Houston Strike Team transportation emergencies
- Receives and dispatches all calls for mutual aid to and from Channel Industries Mutual Aid Organization (CIMA)



HOUSTON EMERGENCY ACTION TEAM

TYPES OF RESPONSES

- **Fire**
 - All members are interior and advanced exterior firefighting trained
 - Superior firefighting gear
 - Apparatus improvement
- **HazMat (Hazardous Materials)**
 - All members are HazMat Technicians – Oxy Only
 - Versed in multitude of leak mitigation techniques
- **Medical**
 - All members are CPR/AED/First Aid Certified
- **Rescue**
 - High Angle and Confined Space Rescue
- **CIMA (Channel Industry Mutual Aid)**
 - CIMA Specialist & Past Chairman – Justin Cox
 - Off-site industrial neighbor responses
- **CERP / CHEMTREC**
 - Off-site transportation emergency response group - Specialized



APPARATUS AVAILABLE

Ladder 1 (LaPorte VCM)

- 2750 gpm Foam Aerial
- 80' Ladder
- 500 gal. AFFF-ATC Foam Concentrate
- 2 – 2000 gpm nozzles on stick
- 2 – 1500 gpm turret nozzles
- Rescue Equipment



HOUSTON EMERGENCY ACTION TEAM

APPARATUS AVAILABLE

Engine 1 (Pasadena PVC)

- 2000 gpm Foam Pumper
- 1000 gal. AFFF-ATC Foam Concentrate
- 2 – 1250 gpm deck gun nozzles
- Pre-Connected Blitz Fire
- Rescue Equipment

- Replacement project is nearly complete, estimated delivery is mid-June.



HOUSTON EMERGENCY ACTION TEAM

APPARATUS AVAILABLE

- Support Truck (Deer Park VCM)
 - HazMat response equipment
 - Rescue Equipment
- Quick-Attack Units
 - ESG each have a unit assigned to them that has capabilities to deploy Hemisphere monitors and hoses for rapid response to fire and hazardous materials incidents
- STRIKE Team Equipment
 - Command Unit and trailer(s) used to deploy resources for off-site transportation emergencies and hurricane relief efforts.



APPARATUS AVAILABLE

- Cadet Training
 - 80 hours of initial on-boarding for all 4 disciplines of Emergency Response
 - 24 Hour HazMat Technician (Oxy Only)
 - Fire (Interior and Exterior)
 - Rescue (Confined Space and High Angle)
 - Basic First Aid / CPR / AED
 - Emergency Vehicle Driving and Class B License
 - HEAT Protocols
- Continual Education
- 48 Hours In-House Training
 - Meets regulatory requirements
 - Scenario Based Training (Table Top AND Full Functional)
 - Interior Structural Firefighting (Live Fire at local Municipal Fire Training Centers)
 - 16 Hours Live Firefighting at TEEEX
 - CIMA Drill Participation
 - Additional off-site Symposiums and Conferences

STAFFING

- To ensure quick and effective mitigation of any incident that occurs at our facilities, we have a trained and qualified minimum staffing requirement for each shift.
 - Battleground – 2 Responders (Quick Attack)
 - LaPorte VCM – 2 Responders (Foam Aerial and Ambulance)
 - Deer Park VCM – 1 Responder (Support Truck)
 - Deer Park PVC – 1 Responder (Ambulance)
 - Pasadena PVC – 2 Responders (Foam Engine)
- The OxyChem Houston plants respond in a mutual aid fashion supporting the stricken facility via response and Local/Central Emergency Operations centers.

EXTERNAL COMMITMENTS & PARTICIPATION

- Chlorine Institute
- LEPC's
 - SER LEPC
 - DP LEPC
 - LaPorte, Shore Acres and Morgan's Point LEPC
- Texas TRANSCAER
- CIMA
- Harris County Fire Marshalls Office
- TEEEX
- SFFMA

