



RIC 2007

Emergency Preparedness Session

Integrated Emergency Planning Zones (EPZs)

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St. Charles Parish, Louisiana
March 13, 2007

St. Charles Parish, LA

Population 59,000

25 Miles West of
New Orleans



Technological Hazards

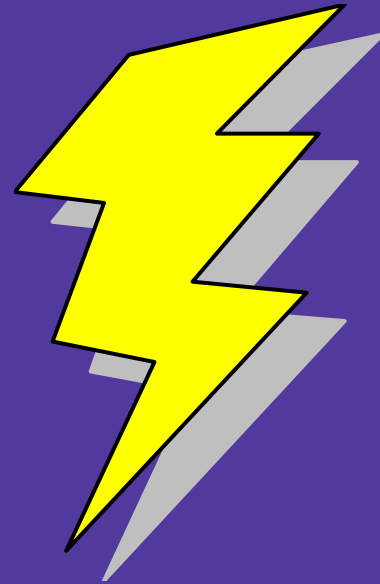
- ✦ Waterford 3 Nuclear Power Facility (W3)
- ✦ 27 Major Chemical / Petrochemical
- ✦ 138 Facilities Report under Superfund Amendments and Reauthorization Act Title 3
- ✦ 1500 Miles of Pipeline

- ✦ 5 Major Highways
- ✦ 5 Major Railroads
- ✦ New Orleans International Airport
- ✦ Mississippi River



Natural Hazards

- ☀️ Hurricanes
- ☀️ Tornadoes
- ☀️ Winter Freeze
- ☀️ Thunderstorms
- ☀️ Etc.



Integration of Waterford 3 Off-site Emergency Procedures with Non-REP Hazards

Transportation
Emergencies

Flooding

Waterford 3
Implementing
Procedures

Fixed Site
Chemical
Emergencies

Hurricanes



Getting Industry Cooperation

- ✦ Inviting industry to get involved without the use of regulations
- ✦ Convincing everyone to use common terminology to express the severity of an emergency.

Obligations

Industry Obligations:

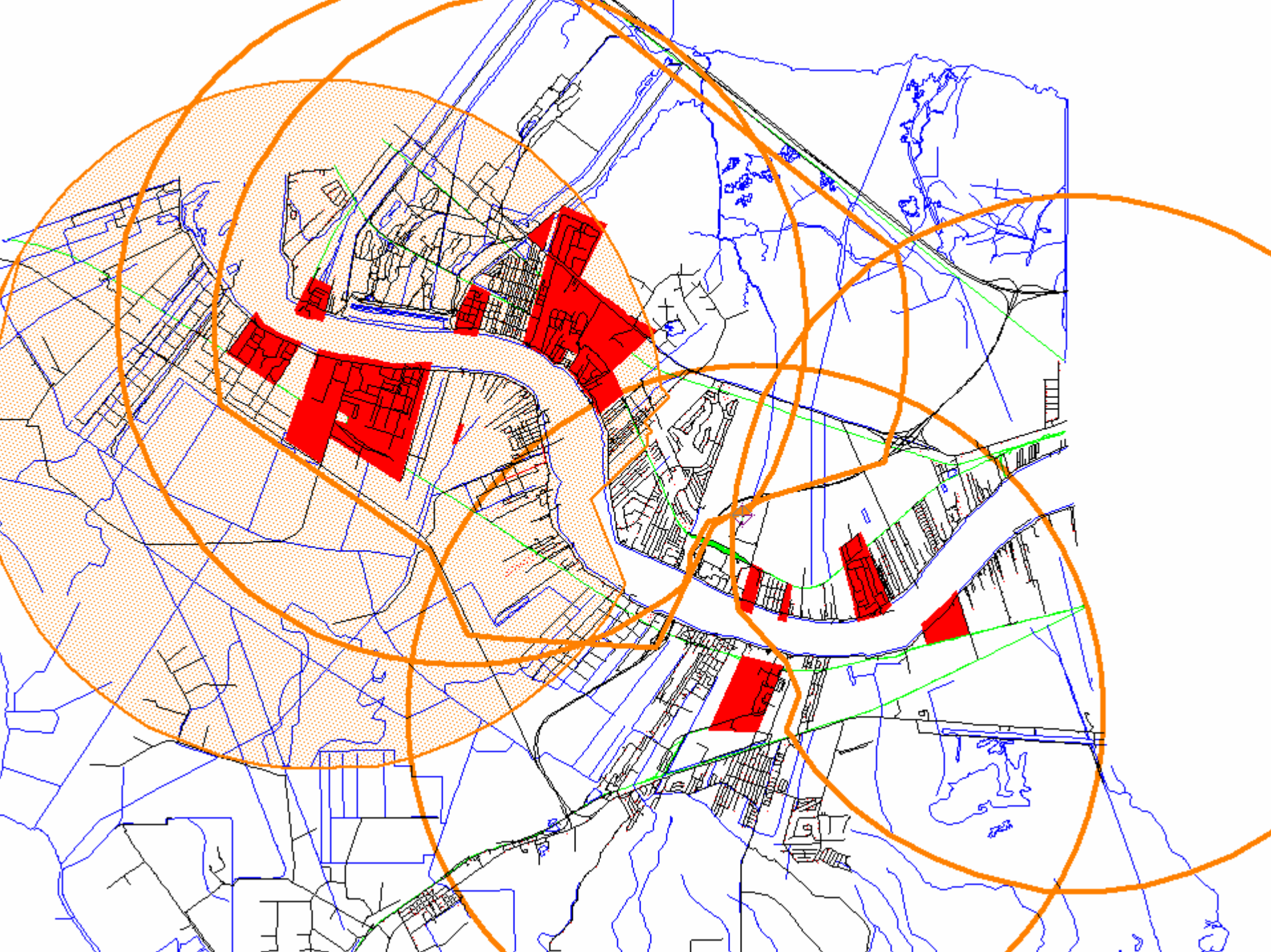
- ☼ Notification
- ☼ Classification of Emergency Action Levels
 - Unusual Event, Alert, Site-Area Emergency and General Emergency
- ☼ Meteorological Data
- ☼ Recommended Protective Actions
- ☼ Technical Advisor

Government Obligations:

- ☼ Facility
- ☼ Staff
- ☼ Emergency Plans
- ☼ Warning System
- ☼ Exercises

Establishing Emergency Planning Zones for Fixed Chemical Facilities

- ✦ Limit the number of EPZs (27 facilities / 5 Zones)
- ✦ Base the architecture of the of the EPZs off the RMP alternate release scenarios
- ✦ Alternate release scenarios(2&5 Mile Zones)



Information contained in the EPZs

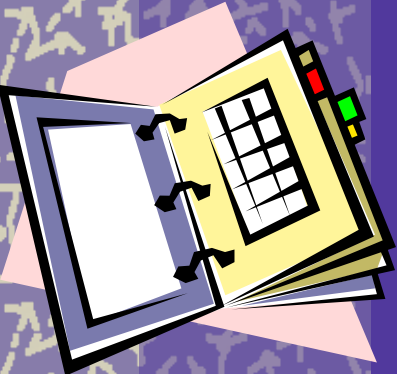
- ☀ Businesses
- ☀ Persons with special needs
- ☀ Streets
- ☀ Recreation Areas
- ☀ Churches
- ☀ River Mile Markers
- ☀ Day Care Centers
- ☀ Other Industries
- ☀ Outdoor Warning Sirens
- ☀ Schools
- ☀ High Population Centers

All information broken down into 2 and 5 mile zones

Technological
Emergency
Implementing
Procedures /
School
Services Plan
Attachment 3

Example

Emergency Planning Zone	School	Shelter Area	Radius
Monsanto	Mimosa Park Elementary	<i>RJ Vial and JB Martin</i>	2 miles
	A.A. Songy Kindergarten Center	<i>RJ Vial and JB Martin</i>	2 miles
	Lakewood Elementary	<i>RJ Vial and JB Martin</i>	2 miles
	Luling Elementary	<i>RJ Vial and JB Martin</i>	2 miles
	Boutte Christian Academy	<i>RJ Vial and JB Martin</i>	2 miles
	Destrehan High School	<i>Norco Elementary</i>	5 miles
	Harry Hurst Middle	<i>Norco Elementary</i>	5 miles
	Albert Cammon Middle	<i>Norco Elementary</i>	5 miles



Training and Exercises

- Quarterly Drills
- Mutual Aid Drills
- Haz-Mat
- Bi-Annual W3 Evaluated Exercise
- Numerous Training by All Agencies

