

PantEX

Pantex's Emergency Radiation Treatment Facility

5/15/2012
Daniel Gleaves



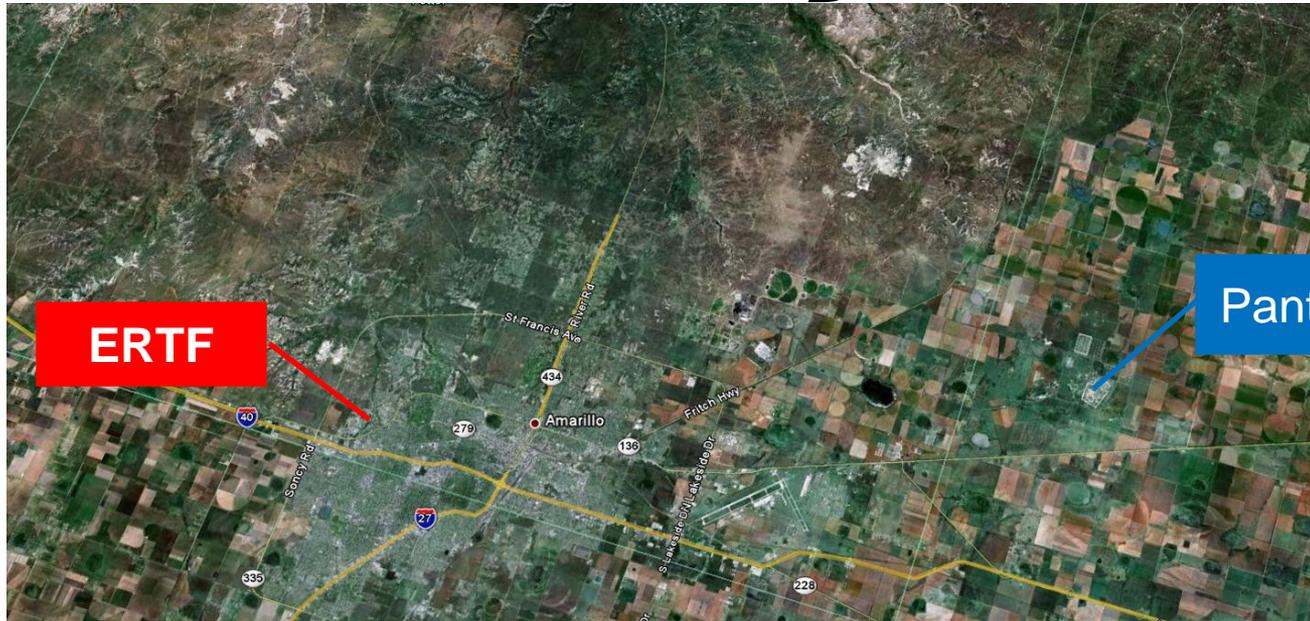
The Problem

- **Pantex has potential accidents that could result in casualties that are also contaminated with radioactive material**
- **Pantex has a clinic but limited level of care**
- **Some care local providers are reluctant to receive contaminated patients**

Thomas E. Creek Department of Veterans Affairs Medical Center



About 25-Miles Away



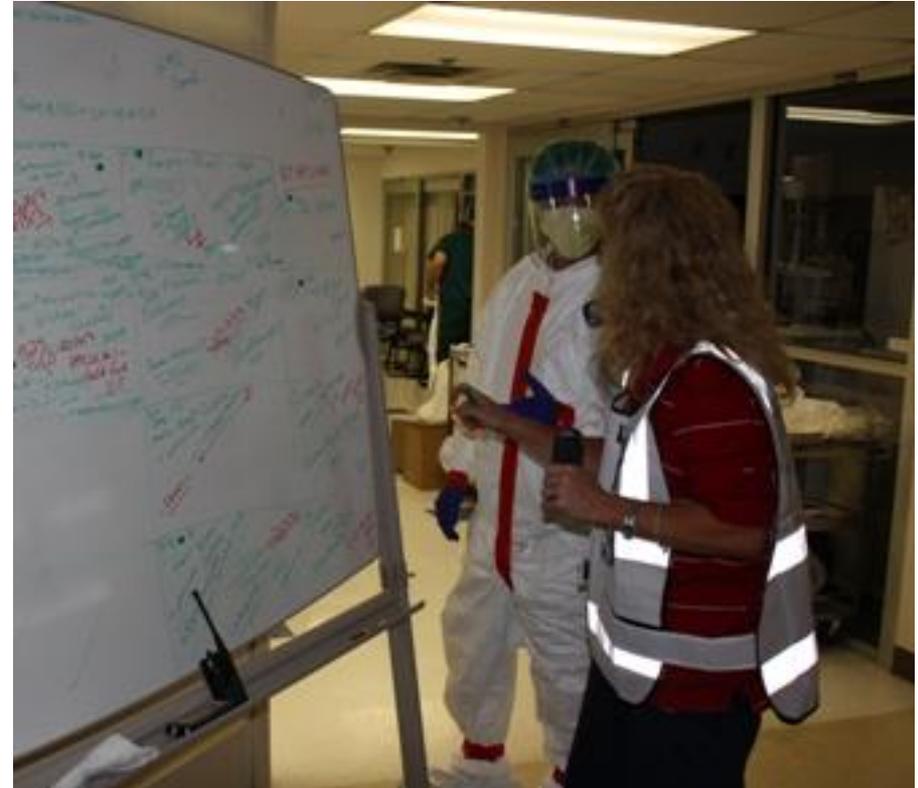
The Facility

- During the week:
Endoscopy
- Can shut down endoscopic operations and configure for ERTF operations relatively quickly
- Barrier material and radiological markings go up quickly



Mixed Staffing

- **Pantex provides personnel trained to operate monitors and provide basic contamination control**
- **VA provides Medical Staff**



Staffing from Pantex's Side Has Been Difficult

- **We will need every Rad Tech we have on-site during this kind of event**
- **Fortunately, we have a lot of other employees who can provide sufficient radiological expertise and skill to assist during this kind of event – even if they do not have current certification**
- **Unrestricted Release has to wait**

Sample Team Member Backgrounds

Pam	Emergency Management – Facility-level drill programs
Roger	Plant Utilities - Former Security Police Officer
Bill	Supply Chain Mgmt - Former Rad Tech Former Rad Tech Supervisor
John	Authorization Basis – Former RSO for a hospital, HP
Stephen	Weapons Training Specialist
Allen	Authorization Basis - Former Rad Tech
Linda	Nuclear Explosives Safety – Phd Nuclear Engineering, HP
Allen	Waste Operations Former Rad, Tech Former Rad Tech Supervisor
Don	Weapons Training Specialist
Zelda	Environmental Stewardship - Former Rad Tech
Lisa	Emergency Management – Former Rad Tech Former Rad Tech Supervisor, Former Rad Tech Instructor
Paul	Technical Security - Former Rad Tech

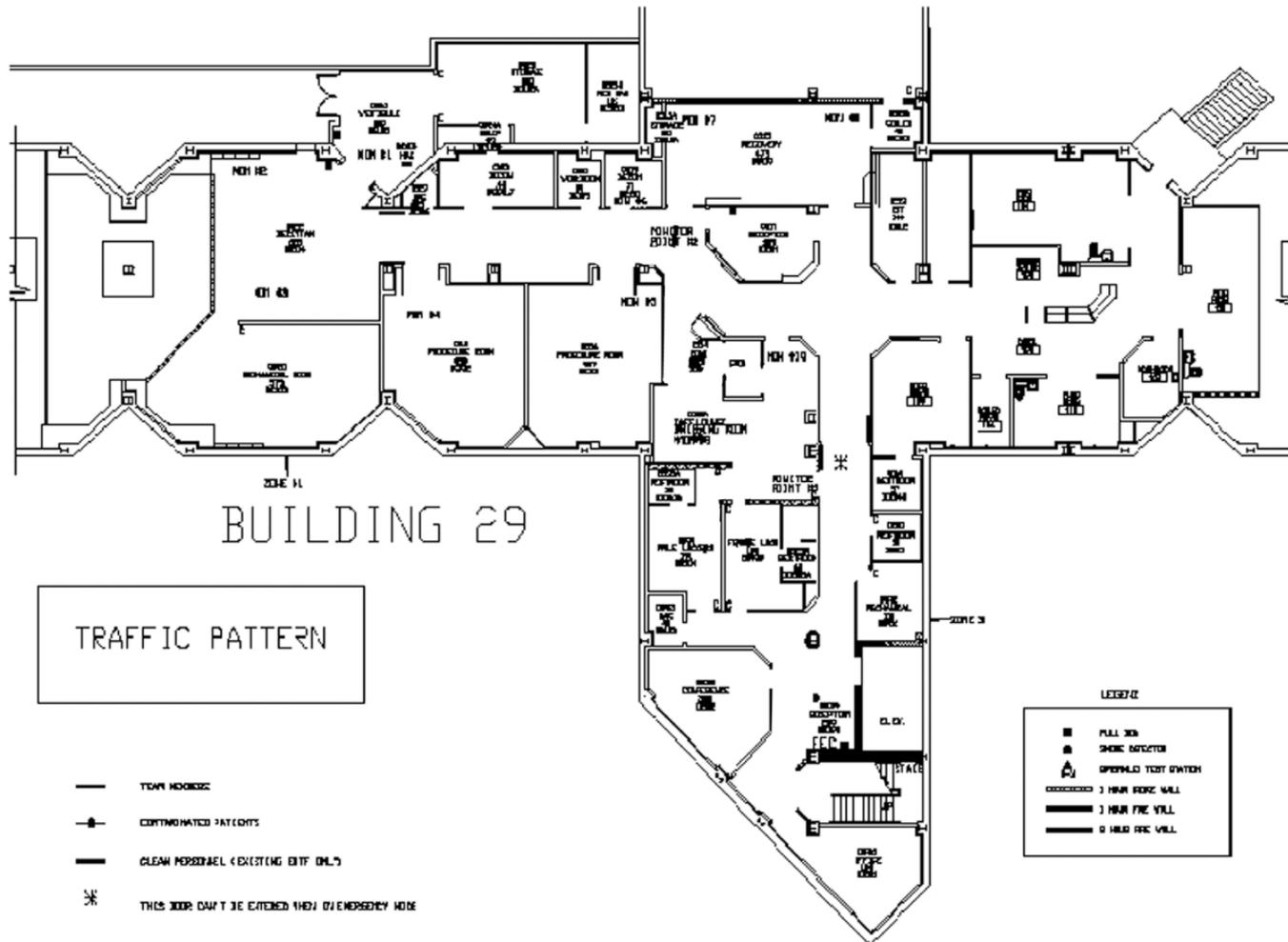
Training

- **Radiation Emergency Assistance Center/Training Site (REAC/TS)**
- **Team Training**
 - Contamination Instrumentation
 - Rad Worker II
 - ERO
 - Blood Borne Pathogens
 - Team specific hands-on

Equipment

- **Monitors – Selected for Pantex’s isotopes**
 - GM
 - Scint
 - Both are only used qualitatively (Dirty: Yes/No)
 - Go/NoGo qualitative instrument testing with lantern mantles
- **PPE – (Level C) everything but a respirator**
 - Medical masks
 - Face shields
 - Tyvek
 - Double Gloves
- **Bioassays**
 - For Pantex (responders and patients) and VA personnel
 - No other dosimetry
- **Communication**
 - Radios: Local and plant networks

During the regular workweek



- It's the endoscopic lab
- It can transfer over to ERTF ops within an hour . . . Even if it has patients already

Questions?