

SPR PROTECTIVE FORCE VEHICLE ACCIDENT REDUCTION PROGRAM



RESUME - John F Zimmerling

Over 40 years of experience in government security operations

- 23 years as a Special Agent – Air Force Office of Special Investigations managing counter –intelligence and criminal investigations
- 3 years with General Dynamics supervising DOD Special Security Projects
- 6 years at the DOE Rocky Flats facility, including serving as General Manager of Internal Security Programs
- 3 years with Excalibur Associates managing the Emergency Management program at Rocky Flats and directing no-notice exercises throughout DOE
- Currently at the Strategic Petroleum Reserve as Manager of Safety, Quality Assurance and Emergency Management for Covenant Security Services
- AA degree in Criminal Justice, BS degree in Sociology / Psychology
- ASIS Certified Protection Professional (CPP)
- Level 5 Certification in Homeland Security (CHS-V) by American College of Forensic Examiners

STRATEGIC PETROLEUM RESERVE

- MISSION: Store petroleum to reduce the adverse economic impact of a major petroleum supply interruption to the United States and carry out obligations under the international energy program
- World's largest crude oil stockpile with a current inventory of 723 million barrels in underground salt domes at four sites in Louisiana and Texas. HQ is in New Orleans
- Approx. 900 site employees – 200 SPOs
- Covenant Security Services is a subcontractor to DynMcDermott, the site O&M contractor

WEST HACKBERRY SITE, LA





ISSUE

- SPR security vehicles operate 24/7 at 5 sites
- Narrow roads, numerous hazards, backing
- Officers were getting careless & Inattentive
- Vehicle Accident Rate was rising
- 0.5 accidents per month (APM) in 2006
- 0.7 APM first 7 months of 2007
- Routine safety efforts and training were not effective

SECURITY VEHICLES



WHAT WERE THE CAUSES?

- Inattentive to Driving Duties
 - Backing
 - Multi-tasking
 - Striking Short Obstacles
- Validated Through HPI Analysis



PROGRAM DEVELOPMENT

- 15 Point Corrective Action Plan (CAP)
 - Benchmarked Best in DOE and Industry
 - Employee Suggestion Contest
 - Balance of Management & Officer Tasks
 - Innovations



RESULTS

- APM rate dropped
 - 0.71 before CAP
 - 0.60 during implementation
 - 0.06 since implementation (1 incident in 17 months)
- Reduced Potential for Injury



INNOVATION

- What Worked
 - Safety Stand-down / Management Attention
 - Employee involvement
 - Mandatory Use of Orange Cones
 - Proximity Back-up Alarms
 - Smith-System Defensive Driver Training
- What Didn't
 - \$40K Safety Team Incentives



PROGRAM APPLICABILITY

- Plan Can Be Adapted To Fit Any Facility/Site
- Not Just for Pro Force
- Low Cost vs. Payback



COST SAVINGS

- Direct Savings of \$3,658 in Repairs for each Accident (CY2008 Average and Rising Each Year)
- Direct and Indirect Savings in the Prevention of Injury or Death Due to Accidents

QUESTIONS?

