COMMON SENSE FORCE PROTECTION APPROACH

TO WATER SECURITY

COL RON TORGERSON, USAF (RET.), PE, FELLOW, SAME

WAR: "A SERIOUS MEANS TO A SERIOUS END," CLAUSEWITZ



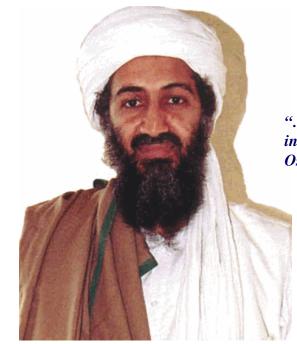
OVERVIEW

- THREAT
- WHAT IS FORCE PROTECTION/SECURITY ASSURANCE
- RESPONSIBILITIES
- THREAT ASSESSMENT
- WHAT IS A VULNERABILITY ASSESSMENT
- FORCE PROTECTION STRATEGIES
- WHAT'S IMPORTANT & MITIGATION
- RISK MANAGEMENT & REDUCTION
- SUMMARY



THREAT IS REAL WANTED UP TO \$25M REWARD

"To defeat your enemy, you first Must know him," Sun Tzu



"...we will kill 4 million Americans, including 1 million children..."

Osama bin Laden



Diplomatic Security Service



THREAT

- VERY REAL: TIC'S/TIM'S A GOOD CHOICE/BIOLOGICAL
- ROME AND THE MOROCCAN TERRORISTS: 20 FEB 02
 - TARGETING AMEMBASSY ROME VIA UTILITY TUNNELS
 - WITH CYANIDE, 2 SQUARE MILE AREA AROUND AMEMBASSY
- TRANSIENT IN CHICAGO: CYANIDE, CHICAGO & MILWAUKEE: 12 MAR 02; MEXICAN THEFT
- CAVES OF AFGHANISTAN: TARGET US WTP'S
- NEXT ATTACK, WHEN??? CYANIDE OR OTHER
- CHAIRMAN, JOINT CHIEFS OF STAFF:
 - NATIONS & GROUPS WISHING US ILL→
 - ONLY CHANCE TO IMPOSE WILL ON US IS THROUGH SOMETHING OTHER THAN CONVENTIONAL MEANS
 - TERRORISM HIGH ON MENU OF OPTIONS
 - EFFECTIVE TOOL
- UNPREDICTABLE AND WILL CHANGE OVER TIME
- PRESIDENT BUSH: "...IN SECOND STAGE OF WAR..."



THREAT—KNOW YOUR ENEMY

- GOAL: DESTROY SECULAR WESTERN CULTURE
- REPLACE SECULAR GOVTS WITH ISLAMIC GOVT
 - SALAFIS—PERFECT MUSLIM FORM OF LIFE 1300 YEARS AGO
 - SADDAM HUSSEIN ALSO SECULAR: MONGOL AGGRESSORS/BAGHDAD
 - PRESIDENT ASSAD'S OFFICE: CRUSADERS/MOORS
- bin LADEN: AMERICANS ARE CRUSADERS
 - KILLING AMERICANS IS DUTY OF EVERY MUSLIM
 - BLAMES AMERICA AND ISRAEL FOR ALL ILLS IN MIDDLE EAST
 - WTC I&II ARE JUST THE START
 - MARTYRS: SINS ARE ERASED AND GO TO HEAVEN; FAMILY PENSION
- 1919 BELFOUR DOCUMENT: DIVIDED OTTOMAN
- MANCHESTER DOCUMENT: www.usdoj.gov
 - BLUEPRINT AND MANUAL FOR al QAEDA: A MUST READ!!!

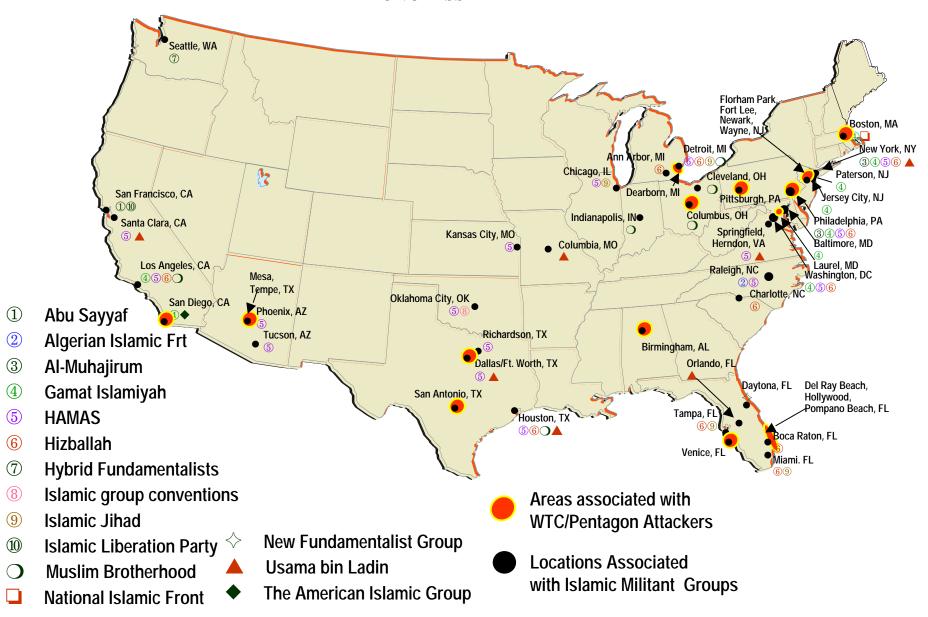


THREAT—MANCHESTER DOCUMENT

•OVERTHROW GODLESS REGIMES: ISLAMIC REGIME

- INTELLIGENCE GATHERING
- KIDNAPPING ENEMY PERSONNEL, DOCUMENTS, & ARMS
- ASSASSINATING ENEMY PERSONNEL AS WELL AS TOURISTS
- FREEING CAPTURED BROTHERS
- SPREADING RUMORS TO INSTIGATE PEOPLE
- BLAST AND DESTROY EMBASSIES AND VITAL ECONOMIC CENTERS
- BLAST PLACES OF AMUSEMENT, IMMORALITY & SIN—NOT VITAL TARGET
- BLASTING AND DESTROYING BRIDGES LEADING IN AND OUT OF CITIES







WHAT IS FORCE PROTECTION?

- SECURITY ASSURANCE PROGRAM: TERMED "SECURITY" BY WATER AUTHORITIES
- SECURITY ISN'T LAW ENFORCEMENT
- PROTECT ASSETS: PERSONNEL, CITIZENRY, & EQUIPMENT
- ALL LOCATIONS & SITUATIONS
- PLANNED, INTEGRATED APPLICATIONS FOR COMBATING TERRORISM
- INCLUDES
 - PHYSICAL & OPERATIONAL SECURITY
 - PERSONAL PROTECTIVE SERVICES
 - SUPPORTED BY INTELLIGENCE, COUNTERINTELLIGENCE & OTHER SECURITY PROGRAMS
- GOAL: MINIMIZE LOSS OF LIFE AND OTHER CRITICAL ASSETS
- NUMBER ONE PRIORITY IS KEEPING ASSETS SAFE
- REGARDLESS OF MEASURES IMPLEMENTED, RISK PRESENT



RESPONSIBILITIES

- FORCE PROTECTION IS SENIOR LEADERSHIP'S RESPONSIBILITY
 - PLANNING
 - PROGRAMMING
 - EXECUTION
- RESULTANT ACTIONS TAKEN CONSISTENT WITH SENIOR LEADERSHIP'S DECISIONS
- FORCE PROTECTION MUST BE ESSENTIAL PART OF PLANNING AND DESIGN PROCESS
- ESSENTIAL IN OPERATIONS, MAINTENANCE AND TRAINING

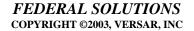




THREAT ASSESSMENT (TA)

- ONE OF FIRST STEPS IN AT/FP PROGRAM
- ONCE UNDERSTAND THREAT
 - ASSESS FACILITIES ABILITY TO SURVIVE ATTACK
- TA DEFINES PARAMETERS UPON WHICH PROTECTIVE SYSTEMS ARE BASED
- INTELLIGENCE GATHERING: FBI AND STATE BUREAUS OF INVESTIGATION
 - DIFFERENT MINDSET THAN LAW ENFORCEMENT
- THREAT IDENTIFICATION
 - AGGRESSORS
 - TOOLS, WEAPONS, AND EXPLOSIVES
 - TACTICS
- THREAT DEFINITION: EXISTENCE, CAPABILITY, HISTORY, INTENTIONS, TARGETING, & SECURITY ENVIRONMENT







THREAT ASSESSMENT (TA)

- THREAT LEVELS: HOMELAND SECURITY
- GREEN=LOW
 - CHECK FACILITIES FOR VULNERABILITY TO TERRORIST ATTACK; TRAIN PERSONNEL
- BLUE=GUARDED
 - REVIEW EMERGENCY RESPONSE PROCEDURES; GIVE PUBLIC INFORMATION
- YELLOW=ELEVATED
 - INCREASE SURVEILLANCE OF CRITICAL LOCATIONS;
 IMPLEMENT CONTINGENCY AND EMERGENCY PLANS
- ORANGE=HIGH
 - COORDINATE SECURITY WITH ARMED FORCES; RESTRICT ACCESS TO THREATENED SITES; TAKE ADDITIONAL PRECAUTIONS AT PUBLIC EVENTS
- RED=SEVERE
 - CLOSE PUBLIC AND GOVERNMENT FACILITIES; MONITOR OR CLOSE AIRPORTS, INCREASE OR REDIRECT EMERGENCY PERSONNEL



THREAT ASSESSMENT (TA): FPCON

• TERRORIST FORCE PROTECTION CONDITIONS: DOD

- NORMAL: GENERAL THREAT; ROUTINE SECURITY POSTURE
- ALPHA: GENERAL THREAT OF POSSIBLE TERRORIST ACTIVITY AGAINST PERSONNEL & FACILITIES
- BRAVO: INCREASED, MORE PREDICTABLE THREAT OF TERRORIST ACTIVITY--NO TARGET PARTICULAR IDENTIFIED
- CHARLIE: INCIDENT OCCURRED OR INTELLIGENCE RECEIVED INDICATING SOME FORM OF TERRORIST ACTION IMMINENT
- DELTA: APPLIES IN IMMEDIATE AREA WHERE ATTACK OCCURRED OR INTELLIGENCE INDICATES ATTACK LIKELY





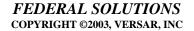
VULNERABILITY ASSESSMENT

- ADDRESSES SUSCEPTIBILITY TO ATTACK AND RANGE OF PHYSICAL THREATS
- DRIVES ANTITERRORISM [DEFENSIVE] MEASURES
- KHOBAR TOWERS, USS COLE DROVE & 9-11
- ASSISTS SENIOR LEADERSHIP
- HELPS OBTAIN SECURITY GRANTS
- PROTECTS THE FORCE: PEOPLE & PRIORITY RESOURCES
- EMERGENCY RESPONSE PLANS--RESPONSE
- PRACTICE, PRACTICE, PRACTICE
- LAW ENFORCEMENT PREPLANNING AND EXECUTION
- CAN BE DONE BY EXPERIENCED CONTRACTORS, DOD, OR TRAINED IN-HOUSE STAFF
- SANDIA NL RAM-WSM LICENSED TRAINERS











SANDIA RAM-WSM VULNERABILITY ASSESSMENT





- WILL NOT PROVIDE THREAT DEFINITION—PROVIDES DESIGN BASIS THREAT
- LOGICAL APPROACH TO ASSESSING WATER TREATMENT PLANTS
- 17 ORGANIZATIONS TRAINED
- BROWN AND CALDWELL/VERSAR TEAM HOLDS A LICENSE FOR THE TRAINING





FORCE PROTECTION STRATEGIES

- ANTITERRORISM CONSTRUCTION STANDARDS
 - MODIFICATIONS AT MAJOR RENOVATION
 - STANDOFF DISTANCES, GLASS, CMU'S, LANDSCAPING
- PLANNING OR PROGRAMMING ACTIONS
 - CONSTRUCTION PROJECTS
- CHANGE: LAND USE, TRAFFIC FLOW, ENTRY CONTROL, & FACILITY IMPROVEMENTS???



- LIMITING CONDITIONS: \$, PHYSICAL & POLITICAL FACTORS
- THEN PICK PREFERRED FP MEASURES







WHAT'S IMPORTANT

- CRITICAL FACILITIES
- GLASS, <15% GLAZED, LAMINATED, FRF
- FACILITY (INGRESS/EGRESS) & PARKING STANDOFF
- GATES; LOCKS; NON DESCRIPT SIGNAGE
- PERIMETER: POROUS OR NOT
- DELIVERIES: COURIERS, CHEMICALS, MAIL
- CHEMICAL STORAGE; DISTRIBUTION FACILITIES; LABS
- POLICIES AND PROCEEDURES: PPS AND OS
- HARDENING WTP & DISTRIBUTION SYSTEM
- COMMUNICATIONS & IS DECENTRALIZATION
- STANDOFF=YOUR BEST FRIEND
- STORAGE TANKS, VENTS, FENCING
- BACKGROUND INVESTIGATIONS







MITIGATION

- GLASS: SINGLE PANED, ANNEALED
 - HOW MUCH?
 - **FRF?**
 - LAMINATED?
- BARRIERS
 - JERSEY, f(FPCON)
 - LANDSCAPING
 - TRAFFIC FLOW
- STANDOFF: CUMULATIVE EFFECTS
- PERIMETER: SECURE OR POROUS? ENTRY CONTROL?
- KNOW WHO COMES AND GOES
- BEST MANAGEMENT PRACTICES
 - DISGRUNTLED EMPLOYEES???
- GOAL: INHIBIT VISITORS AND PROHIBIT VEHICLES











WHY ME?

- HR 3448 & SR 1765 COMPROMISE WORKED OUT—FUNDING TO FLOW
- PROVIDES GRANTS FOR CITIES DOWN TO 3.3K IN POPULATION
- 6 MONTHS TO COMPLETE VA AFTER GRANT RECEIVED OR THE END OF 2003



RISK MANAGEMENT & MITIGATION

- LIMITED RESOURCES: RISK MANAGEMENT
- WHAT'S IMPORTANT TO SENIOR LEADERSHIP?
- PRIORITIZE & COORDINATE WITH STAKEHOLDERS
- CAN ONLY COVER ALL THREATS IF HAVE UNLIMITED RESOURCES
- HAVE TO ACCEPT SOME LEVEL OF PREDETERMINED RISK



SUMMARY

- US IS VULNERABLE TO TERRORIST ATTACK
- AMERICANS HAVE SHORT MEMORIES
- SECOND ATTACK WHEN IT COMES WILL HEIGHTEN INTEREST IN AT/FP
- INCUMBENT ON ALL OF US TO EXERCISE FP
- APPROACH THREAT LOGICALLY THROUGH THE DESCRIBED PROCESS
- MANAGE RISK

"...NO GOVERNMENTAL RESPONSIBILITY IS MORE FUNDAMENTAL THAN PROTECTING THE PHYSICAL SAFETY OF OUR NATION AND OUR CITIZENS" PRESIDENT G.W. BUSH, 8 MAY 01





