

The FBI WMD Program



SA Adam Rowland
WMD Coordinator – Norfolk Division FBI

The FBI WMD Program

Agenda

- I. What is WMD and the FBI Connection
- II. WMD Coordinators
- III. Threats & Vulnerabilities
- IV. WMD Incidents
- V. Nuclear and radiological threats



Weapon of Mass Destruction

DEFINITION*

Any weapon that is designed or intended to cause death or serious bodily injury through the release, dissemination, or impact of **toxic or poisonous chemicals, or their precursors**;

Any weapon involving a **disease organism**;

Any weapon that is designed to release **radiation or radioactivity** at a level dangerous to human life.

Any **explosive or incendiary device** as defined in Title 18 USC, Section 921: bomb, grenade, rocket, missile, mine, or other device with a charge of more than four ounces.

***Title 18 USC, Section 2332(a)**



WMD

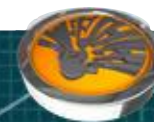
C - Chemical - Warfare Agents / Industrial Chemicals

B - Biological - Pathogens/Toxins

R - Radiological - Rad Dispersal Devices/Sources

N - Nuclear - Nuclear Bomb

E – Explosive - Military/Industrial/IEDs



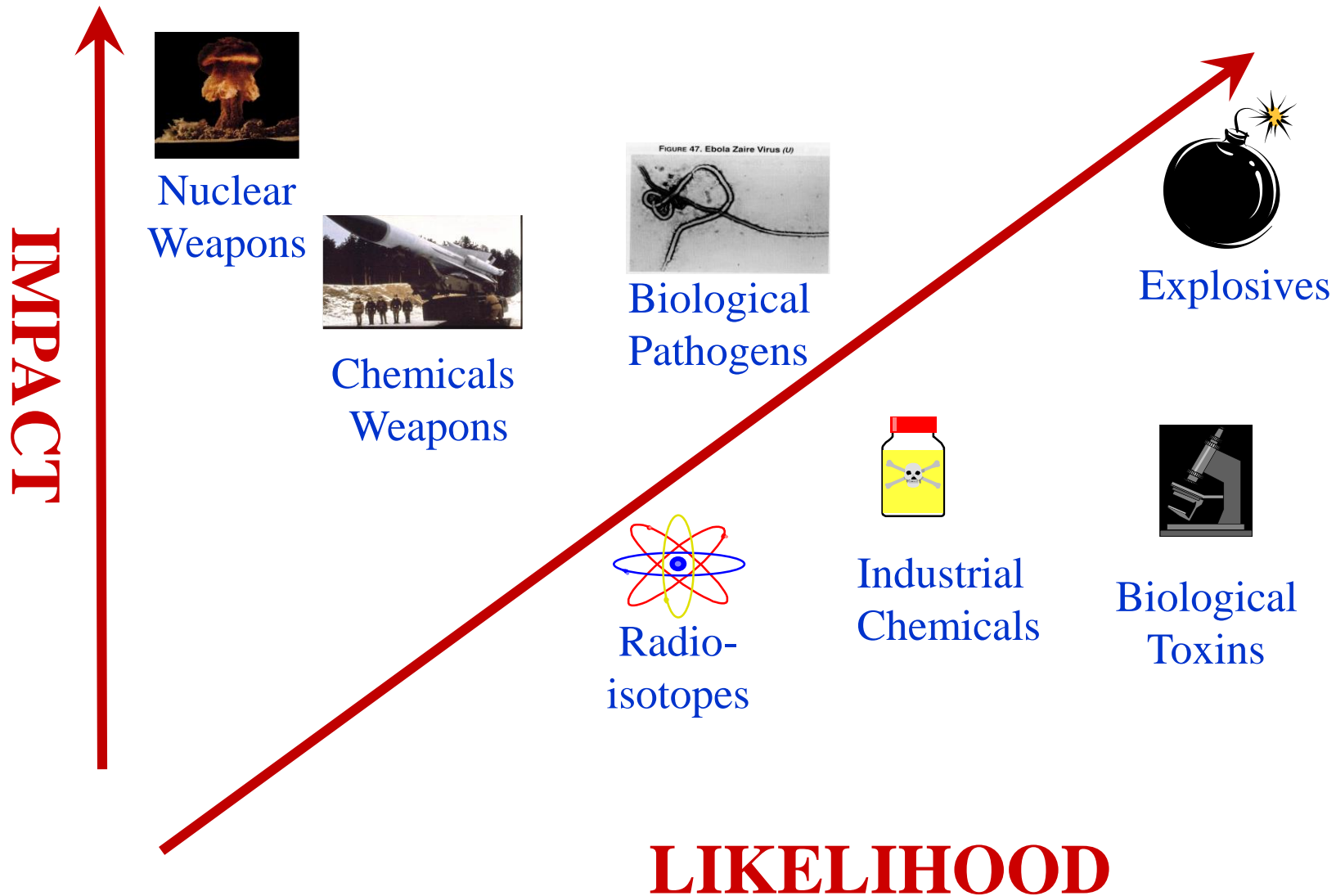
WMD Coordinators

- 56 Coordinators, 300 Assistant Coordinators, 3 ALATs
- Training in Chemical, Biological, Radiological, Nuclear, and Explosive investigations
- Liaison is critical to success
- Field Office WMD Subject Matter Expert
- Respond to WMD incidents and coordinate the FBI's response (TCE)
- Establish and maintain tripwires through community outreach



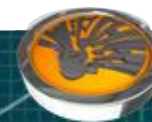
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WMD Incident Threat Continuum





What is it?



Other reasons to contact your WMDC

- Special Events
- Guardian
- Preparedness
- Exercises/Training and Collaboration (two way street)
- Working Groups
- Cross-programmatic
 - Network across FBI
 - Network across Agencies
 - Network across Private Industry
 - Public Health
- Etc.



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Training Opportunities

Biological

- **Joint Criminal/Epidemiological Investigations**
- **Joint Animal/Plant Health Criminal/Epidemiological Investigations**
- **DIY Biology**
- **Academic Biosecurity Partnership**

Chemical

- **Chemical Facility Outreach Exchange (CFOX)**
- **Chemical Industry Outreach Workshop**
- **Livewire Exercise**

Rad/Nuc

- **FBI/CDC Radiological Awareness Workshop**
- **Curious Disintegration**
- **Silent Thunder Exercise**
- **Alarm Response Training (Y-12 Complex)**

Infrastructure

- **Unmanned Aerial Systems**
- **Food Defense Workshop**
- **Pipeline Outreach**

Training

- **State & Local Law Enforcement Training (STALO)**



Khalid Aldawasari Arrest (Feb. 23, 2011)

- Aldawasari was arrested in Lubbock, Texas in connection with the purchase of Phenol, a chemical explosive precursor.
- A company in Burlington, N.C. contacted FBI after a suspicious order.

SEALED

UNITED STATES DISTRICT COURT
DISTRICT OF TEXAS
Lubbock, Texas

UNITED STATES OF AMERICA
v.
KHALID ALDASARI

CRIMINAL COMPLAINT

Case Number: 11-50-017

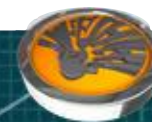
I, the undersigned complainant, state that the following is true and correct to the best of my knowledge and belief. On or about February 23, 2011, in Lubbock County, Texas, the defendant(s) did,

(Check Statutory Language of Offense)
See attached document "AFFIDAVIT IN SUPPORT OF CRIMINAL COMPLAINT AND ARREST WARRANT" sworn to by FBI Special Agent Michael Goodrich, which is incorporated herein by reference as though fully set forth herein.

In violation of Title 18, United States Code, Section(s) 2384(a)(1) and (2).
I further state that I am not an FBI Special Agent and that this complaint is based on the following facts:
See attached document "AFFIDAVIT IN SUPPORT OF CRIMINAL COMPLAINT AND ARREST WARRANT" sworn to by FBI Special Agent Michael Goodrich, which is incorporated herein by reference as though fully set forth herein.

Continued on the attached sheet and made a part of this complaint. ☒ Yes ☐ No

Subscribed to before me and signed in my presence.
Feb 23, 2011 at Lubbock, Texas
Brett N. Cummings U.S. District Judge



1993 Aum Shinrikyo Anthrax

- June-July, 1993 Tokyo
- Reports of “Foul Odors” to local Environmental Health Officials
- “Gelatin-like, oily, gray-black” fluid from the mist from the bld. cooling towers
- No entry granted, external site visit, samples taken
- 1999, liquid samples tested positive for *B. anthracis* (Stern 34F2 strain...often used commercially in Japan to vaccinate animals against anthrax) Non-Pathogenic Strain



1993 Aum Shinrikyo Anthrax

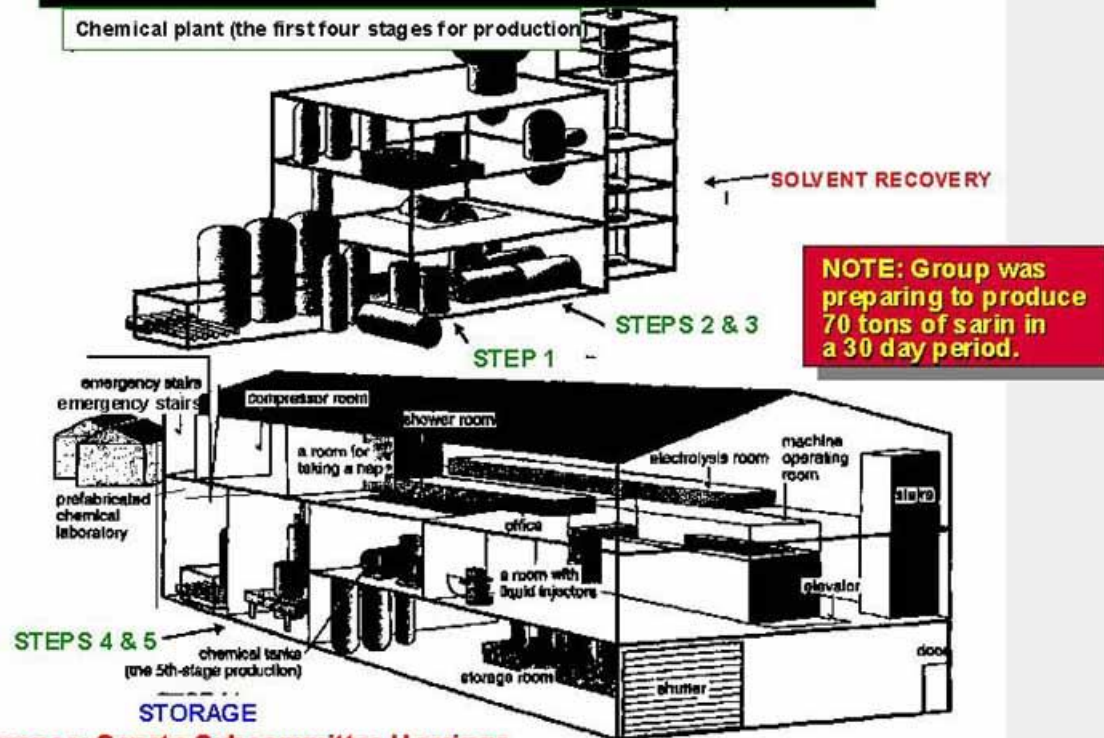


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Aum Shinrikyo's Sarin Facility

The interior of Satian No. 7, a suspected sarin production plant

Chemical plant (the first four stages for production)



Reference: Senate Subcommittee Hearings





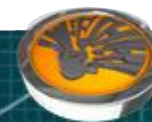
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Shannon Richardson

- May 2013, New Boston, Texas
- 3 letters sent to President Obama, NYC Mayor Michael Bloomberg, and Mark Blaze of the Rabun Group, and who was, at the time, the director of Mayors Against Illegal Guns
- After letters were sent, Shannon Richardson went to the police and implicated her husband Nathan Richardson
- Investigation revealed Shannon was actually the one who sent the letters
- Nathan had filed for divorce, Shannon was pregnant with her 5th kid, first with Nathan



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Shannon Richardson

- Ordered castor beans online, used the internet to learn how to produce ricin
- She obtained an email address in her husband's name, and also a PayPal account and P.O. Box in his name
- Shannon was an actress, with small parts in The Walking Dead, The Vampire Diaries, and the Blind Side



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Betty Miller

- 70 years old, lived at Wake Robin adult care facility in Shelburne, VT
- Grew castor beans on the facility grounds, went on the internet, and learned how to make crude ricin
- November 2017, put it in neighbors food and drinks to test the effectiveness
- Miller told healthcare providers she had made the ricin and told how she had distributed it to other residents
- Police and FBI were called to the scene



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Betty Miller

- Investigators found a half full pill bottle with ricin in it, located in a basket other pill bottles of “apple seed” and “cherry seed”
- They found the blender she had used to grind the castor beans in another woman’s apartment – Miller had borrowed the blender from her
- The pill bottle and the blender both tested positive for ricin
- Miller has a “lengthy mental history”
- When interviewed, she advised she had wanted to use the ricin to commit suicide, but wanted to test it out on others first to determine the effectiveness
- She received time served + 5 years probation, \$10K fine



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Kerry Crocker

- Various points throughout 1972
- Kerry had acquired a license to purchase Cesium 137
- Was going through a nasty divorce with his wife, had two teenage sons
- Multiple times throughout 1972 Kerry gave his older son, Kirk, a drink with some sort of knockout drug in it, then while son was sleeping placed (or had already placed) radioactive sources in proximity around him – under the cushion on the couch, in the pillow on the bed, in a sock he draped over Kirk's legs
- Took almost 2 years and 16 doctors to recognize that the gradually increasing symptoms Kirk was showing were due to radiation poisoning
- Was recognized as such by a plastic surgeon
- Kirk had to go through 23 operations, to include multiple skin grafts
- Radiation had sterilized his right teste and had malformed his left teste into a hardened lump, had deadened tendons in his right ankle, and had deadened skin around the groin, causing extensive scarring

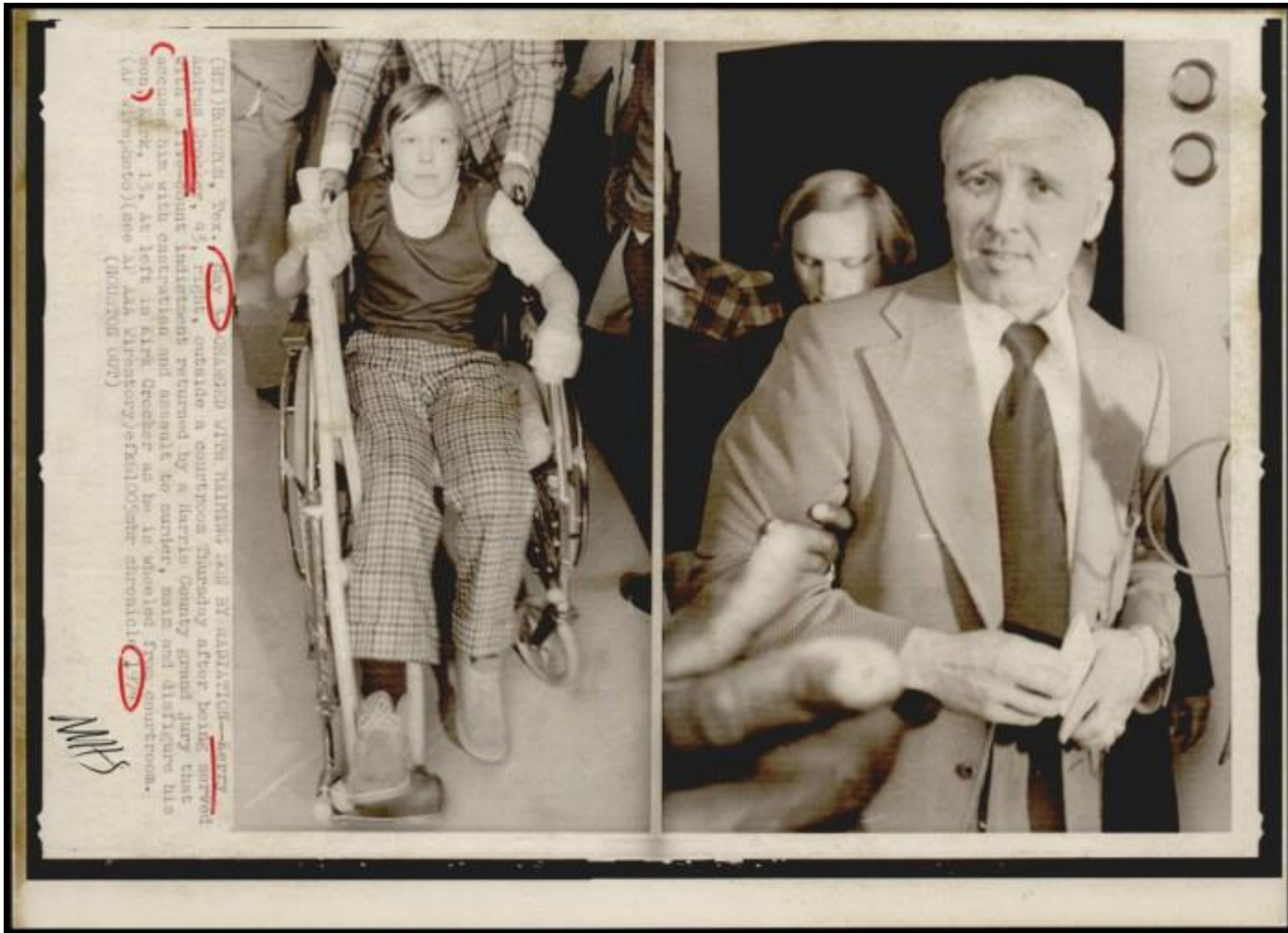


Kerry Crocker

- Kirk's step-father called Texas Department of Health Resources with the complaint and accusations against Kerry, and was advised he would have to put his complaint in writing. He did, and it was investigated.
- Kerry indicted on May 2, 1974, for attempted murder, assault with intent to maim, disfigurement, intentionally causing injury to a minor, and castration. As trial went on prosecution dropped the murder and assault charges, believing they could not prove them beyond a reasonable doubt.
- Kerry convicted in April 1975 of the castration charge, given a 10 year sentence and \$5K fine, immediately appealed and posted \$10K bail. Appeal was denied in May 1978, and he jumped bail, being caught three years later. Served 5 years and was paroled for good behavior in 1983.



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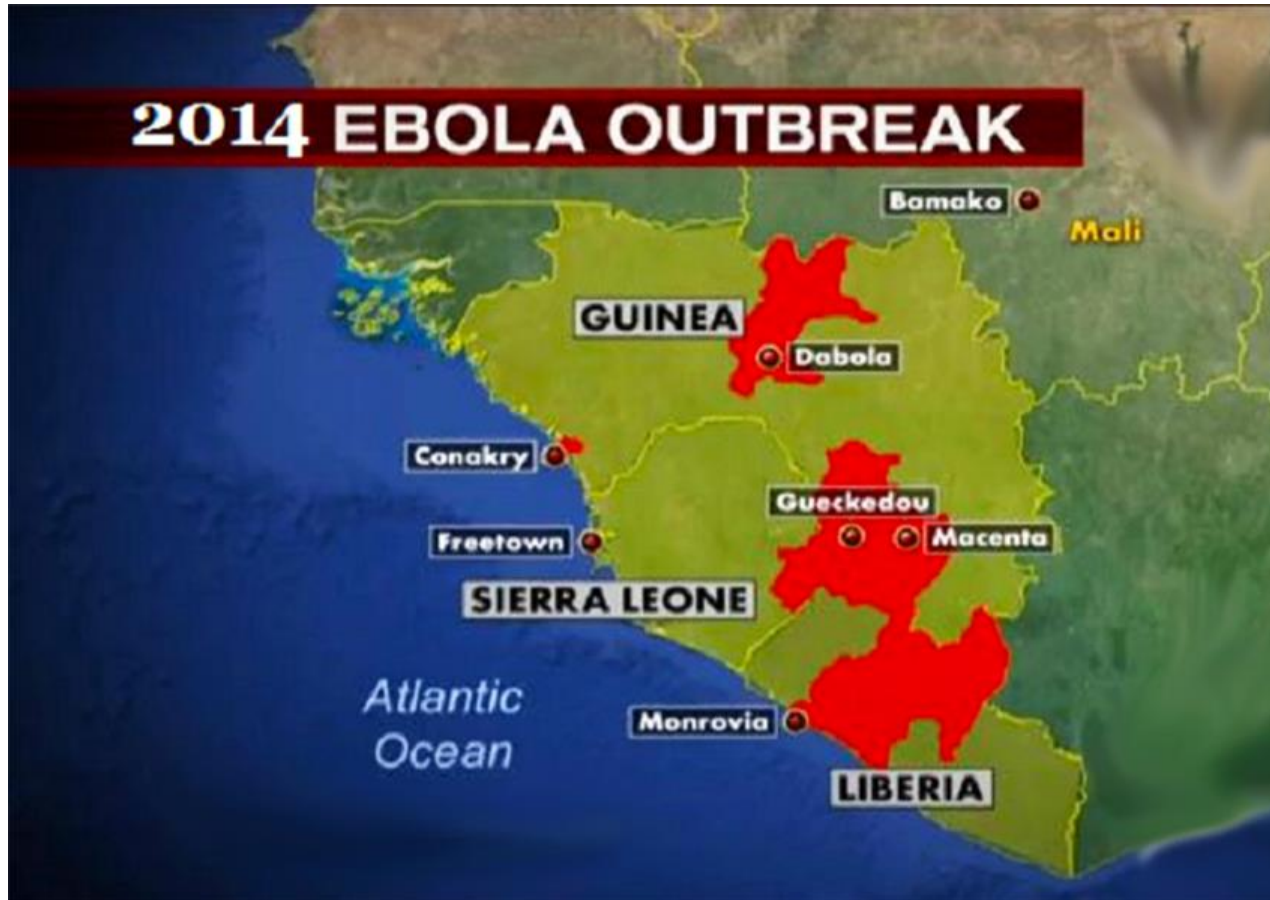


Kerry Crocker



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Inbound packages



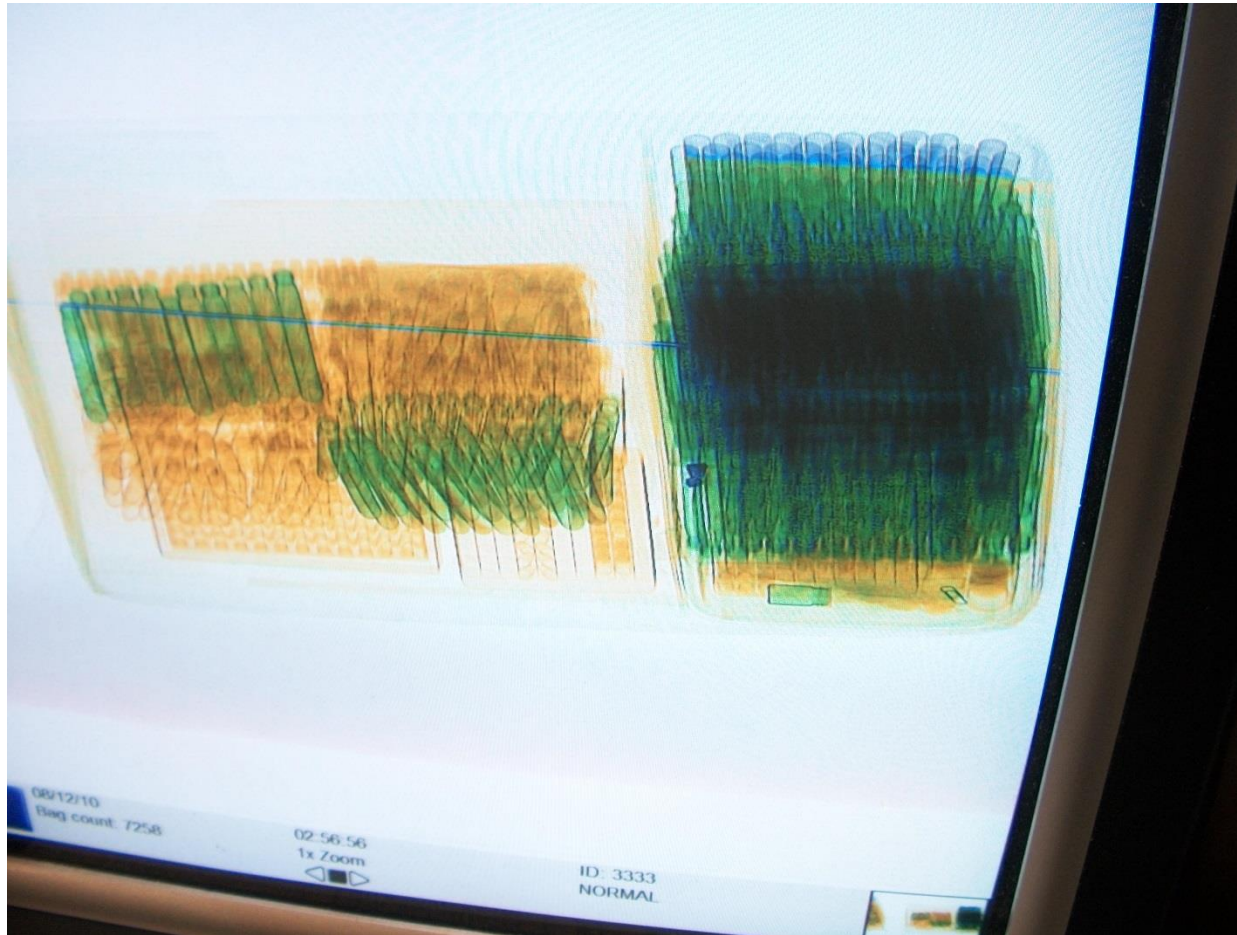
Inbound packages



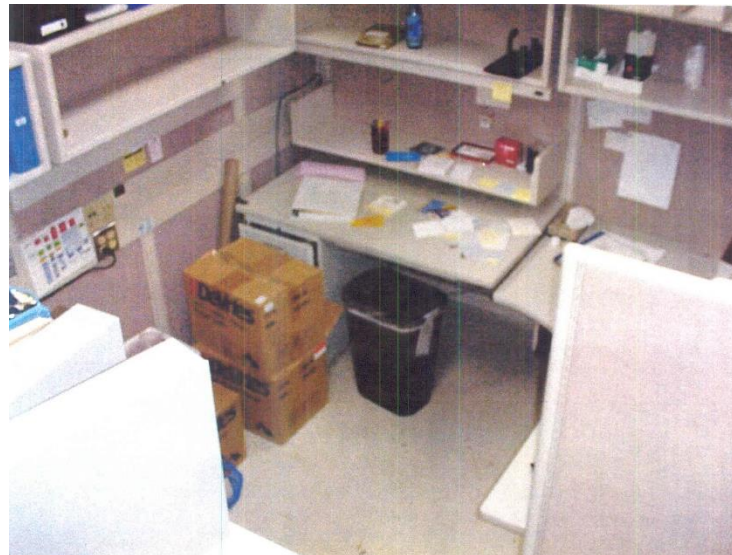
Inbound packages



Inbound packages



The Ease of the Process



The Ease of the Process



The Ease of the Process

- **Management cleaned out Olsen's cubicle to separate work and personal items per company policy**

- **Two test tubes**
- **Castor beans**
- **Miscellaneous medications**
- **Coffee grinder**
- **Turkey baster**
- **EZ dose spoon**
- **White plastic spoon**
- **Clothes pins**
- **Silver metal measuring spoons**
- **Metal bowl with white powder**
- **Tropicana bottle with white powder on bottom**

- **White blotter paper**
- **Mason jars stuffed w/ paper towels**
- **Metal funnel**
- **Glass measuring cup**
- **Metal strainer**
- **Metal test tube brush**
- **Ipecac**
- **Acetone**
- **Epsom salts**
- **Latex gloves**

- **Hundreds of documents from the Internet including a printed manual entitled, "How to Kill" with handwritten notes and highlights**





Matthew Rugo



Curtis Jetton



(July 2006)



Texas City Glass Desert Underground

SCIENCE GONE AWRY



Gu Jiming

- Nuclear medical researcher in China
- May 2002 hid a container of Iridium 192 pellets above the ceiling of the office of a business rival to get him sick
- Until it was discovered, a total of 75 people got sick due to radiation poisoning
- Largest recorded case of intentional radiological injuries caused by a non-state actor
- The original intended victim took a medical checkup due to his symptoms two months after the box had been placed, and irregularities in his WBC led to a search of his office with detection equipment, and the discovery of the Iridium
- Jiming received a suspended death sentence, and instead got life in prison. His assistant, Fang Zhenhua, who only had a primary school education, got 15 years for helping transport and place the iridium.



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Yasuo Yamamoto

- April 2015 drone with a radioactive sign was found on roof of Prime Minister of Japan Shinzo Abe's office.
- Drone had sand attached that tested positive for low levels of radiation
- Days later Yamamoto turned himself in taking responsibility for the drone
- Yamamoto told police he had gotten the radioactive sand from Fukushima and put it in a container on the drone



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Yasuo Yamamoto

- Yamamoto told police he had landed the drone there in order to protest against nuclear power.
- Yamamoto, unemployed, had purchased the drone, which was only made in white, and painted the entire thing black, to include the LED lights
- Yamamoto received a two year jail sentence, suspended for four years
- His actions highlighted security issues and the Tokyo police, a year later, had a drone interceptor force of drones



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Drone attack on Venezuelan President

- August 4, 2018, at least two drones detonated explosives near where Nicolás Maduro, the President of Venezuela, was addressing the Bolivarian National Guard
- Another drone ran into an apartment building close by and detonated
- No fatalities, and 9 people in range of the first two drones had minor injuries from the shrapnel
- Maduro blamed the Colombian president for attempting to assassinate him as well as members of opposing parties in Venezuela and also Venezuelan immigrants in the U.S.
- Multiple arrests were conducted, cited by some to be based on political bias with lack of evidence, and allegations of torture in order to obtain confessions
- As of the current time, no prosecutions have happened nor have legal proceedings been started



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Drone attack on Venezuelan President



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Group Exercise

As a Team:

1. Each person list out the most vulnerable facility in your AOR.
2. Of those listed, the Team should choose the facility most vulnerable to a WMD attack and why you chose it.
3. When considering the vulnerability, **identify**:
 - Who at this facility should you establish contact with?
 - Identify working groups associated with this type of facility that you can leverage against the threat.
 - Where can you go to become more knowledgeable on the suspicious activity associated with these threats.
4. Any additional information that would be important to response.
5. Select a Team Spokesman and report back to the class.

