ACTIVITY NAME

Role of Tetra Tech EC (TtEC) in the Environmental Clean-Up of Alameda Point by the United States Navy

Alameda City Council

July 24, 2018

Safety

- **The Navy's <u>top</u> priority is public safety**
- Property transferred at Alameda Point has been diligently investigated and cleaned up appropriately
  - –People who live on, work at and visit Alameda Point are safe
  - –Work is conducted with multiple layers of oversight including regulatory agencies and independent City review
  - –Data reviewed by multiple entities to ensure accuracy and consistency

Presentation Overview

1. Provide a summary of the Hunters Point Naval Shipyard situation

2. Outline the Navy's history and cleanup program at Alameda Point

3. Discuss the work performed by Tetra Tech EC (TtEC)
   –Subsidiary of larger Tetra Tech Company

4. Describe the oversight process which ensures data reliability and protection of human health & environment

5. Questions and answers

Hunters Point Naval Shipyard

- 2012: Navy review of TtEC radiological sampling data found anomalous soil data results that could not be explained
- 2012/2013: TtEC re-performs soil surveys based on their assessment
  - Nuclear Regulatory Commission notified
  - Survey data recollected and re-analyzed
- 2013: Issues identified with building survey work
- 2014: TtEC issues report documenting their conclusions regarding anomalous soil data
  - CA Department of Public Health suspends unrestricted release recommendations for buildings
- Subsequently, TtEC employees came forward with specific claims of deliberate falsification of tests, improper work, and fraudulent recordkeeping regarding soil areas and buildings

Hunters Point Naval Shipyard (Cont.)

- The Navy put the radiological program on hold for a comprehensive review
  - Navy, federal, state, and local regulatory agency technical team established to perform extensive data evaluation
  - Included support from group of experts consisting of independent contractors and a consortium of universities
- In 2017 the technical team concluded with a loss of confidence in TtEC Hunters Point Naval Shipyard radiological work
- Currently, a work plan is being reviewed by the public and regulatory agencies to allow for independent retesting
  - Independent 3rd party oversight contractor in place
- The Navy is taking actions against TtEC for its unsatisfactory and non-compliant work and aiding the Department of Justice in its efforts
  - Two former TtEC employees have received criminal sentences

Differences: Alameda Point and Hunters Point

Hunters Point Naval Shipyard

– Shipyard

– Naval Radiological Defense Laboratory

– Decontamination of ships from weapons testing

– Fraud conducted by TtEC employees on radiological projects

– Confirmed allegations on radiological projects

Alameda Point

– Airfield and aircraft re-work facilities

– Predominant source of radiological contamination from application, removal and disposal of aircraft equipment that utilized radioluminescent paint

– Data review found no evidence of fraud

– No anomalous or suspect data

Former NAS Alameda History

Established as a Naval Air Station
1936

1940
Commissioned as NAS Alameda

Radioluminescent paint application & removal activities
1940's to 1970's

Placed on BRAC List
1993

1997
Operational Closure

Photograph from Wide World

"CAN SUCH A BIG MACHINE REALLY FLY?"

Alameda Point Cleanup Program

- The Navy has conducted over 20 years of extensive investigation and cleanup
- The majority of our work has been soil and groundwater cleanup from non-radiological contaminants
- All work was done in compliance with federal and state regulations
- The Navy's cleanup program is designed to protect human health and the environment

Historical Radiological Activities

Predominant activities at Alameda Point included:

- Application and removal of radioluminescent paint to aircraft dials/instruments
- Associated waste disposal

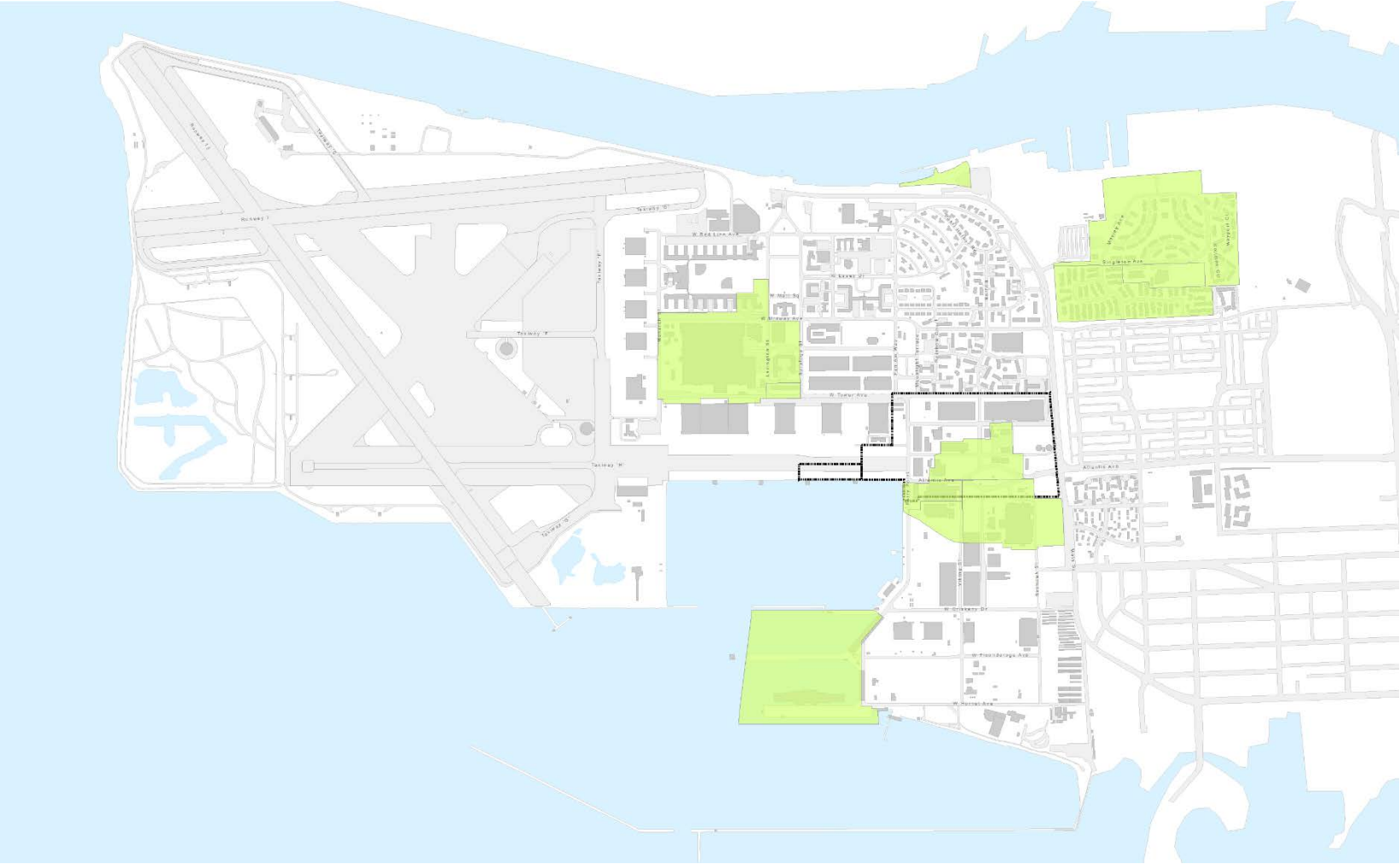
Areas investigated:

- Buildings with historical radiological use
- Sanitary sewer and storm drain lines
- Seaplane Lagoon
- Landfill/disposal areas

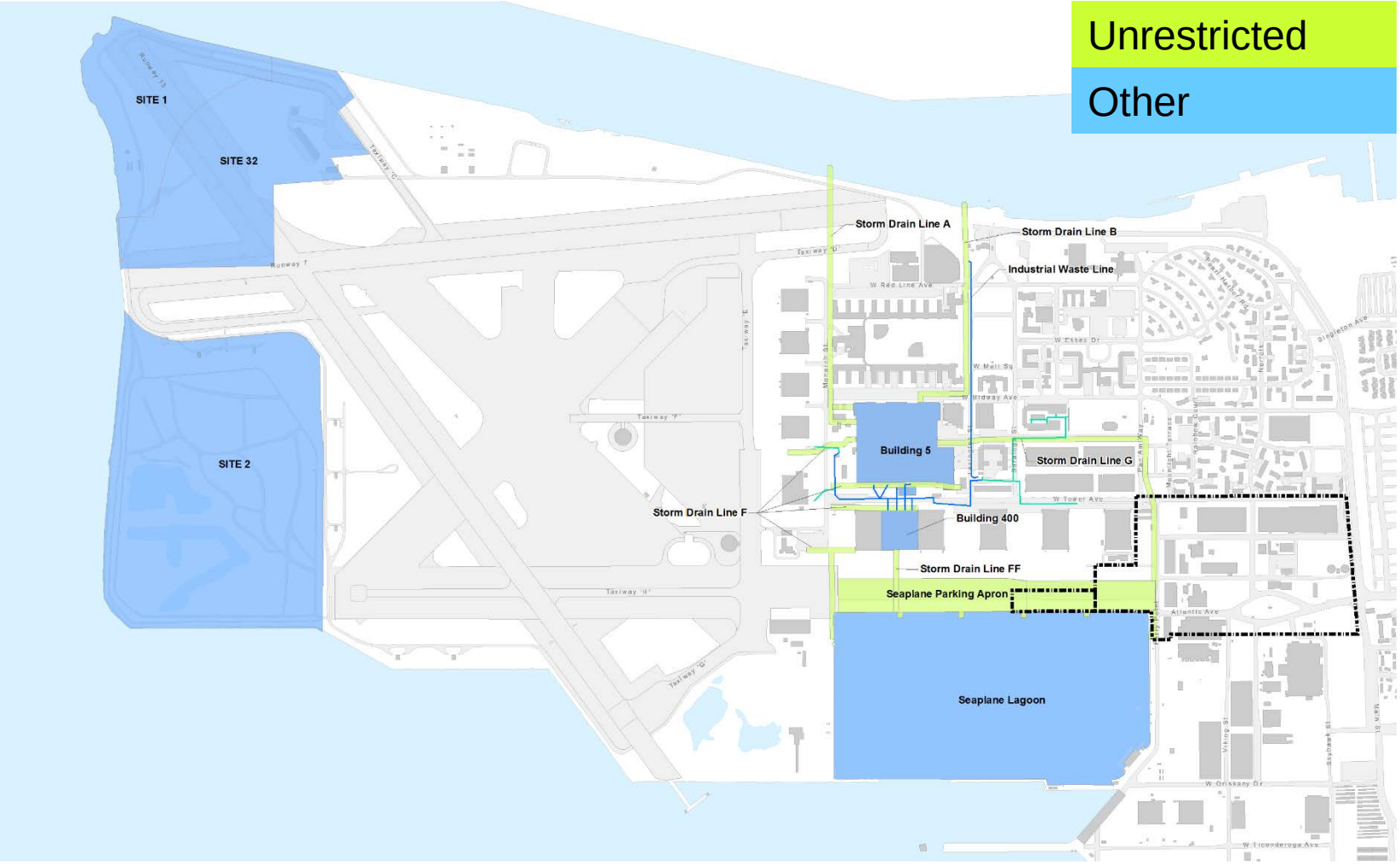
Environmental Remediation

- Evaluate by sampling and scanning
- Remove sources, treatment or construction protective barriers
- Monitor the environment
  - Air monitoring
  - Equipment and personnel
- Confirmation scanning and sampling
- Performed in conjunction with regulatory agency oversight:
  - U.S Environmental Protection Agency
  - Department of Toxic Substances Control
  - California Department of Public Health
  - Regional Water Quality Control Board
- Reports to agencies and the City of Alameda
  - Publicly available

TtEC Non-Radiological Work Areas



TtEC Radiological Work Areas



Alameda Point Data Reliability

- Multiple layers of review have shown Alameda Point data is reliable
- Data is reviewed by:
  - Navy BRAC and Radiological Affairs Support Office (RASO) staff
  - U.S. Environmental Protection Agency
  - California Department of Public Health
    - Performs independent scanning/sampling for “unrestricted” areas
  - California Department of Toxic Substances Control
  - City of Alameda consultant(s)
- Many different contractors have produced consistent data
- Navy (RASO) experts found the anomalous radiological results at Hunters Point
  - Similar radiological data review found no irregularities at Alameda Point
  - Review of non-radiological data found no irregularities at Alameda Point
- An independent 3rd party firm has been added to oversee radiological fieldwork

Continued Commitment

- The Navy has been and remains dedicated to ensuring all property at Alameda Point is safe for transfer and subsequent community use
- Work is coordinated and conducted in an open and transparent fashion with input and oversight by multiple independent agencies
- Community engagement and input desired and achieved through Restoration Advisory Board (RAB) meetings and annual community tour
- Reports and information regarding the Navy's clean-up program at Alameda point is readily available to the public
  - Alameda Point Information Repository
  - Alameda Free Library Information Repository
  - www.bracpmo.navy.mil

For More Information

Navy Resources

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Alameda Point Information Repository
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Regulatory Resources

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