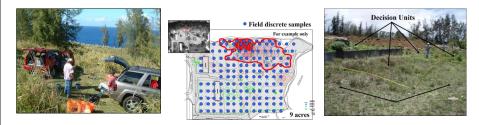
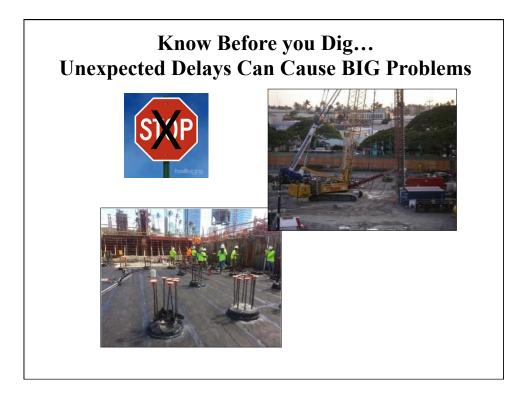
## Environmental Investigation and Redevelopment of "Brownfield" Sites in Hawai'i



**Roger Brewer (Senior Scientist - Honolulu)** 

Department of Health Hazard Evaluation & Emergency Response Brownfields Conference Maui July 2018



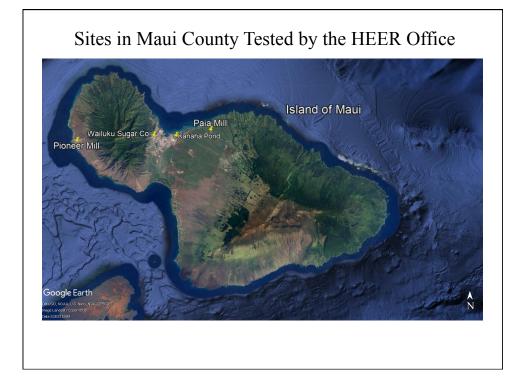
## **Environmental Hazard Management Plans (EHMP)**

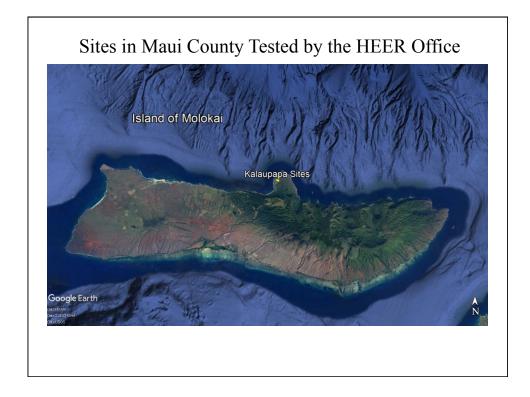
### **Three types of EHMPs**

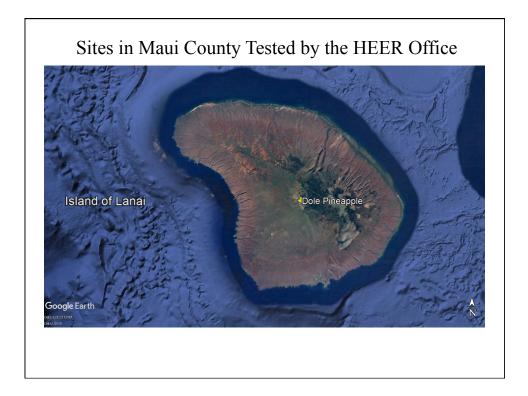
1. Areawide

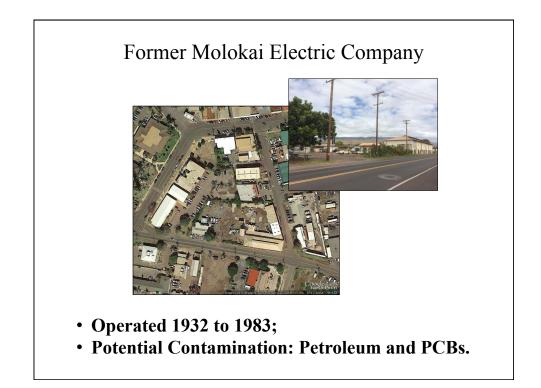
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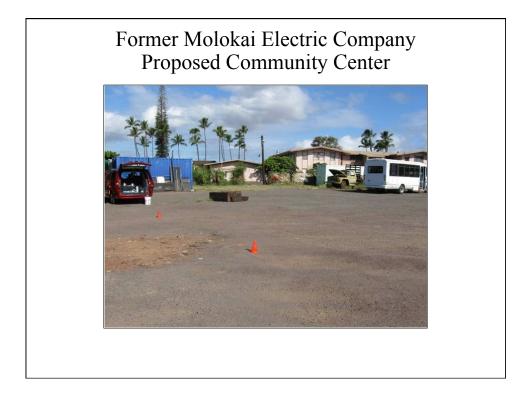
- 2. Site-specific
- 3. Pre-construction

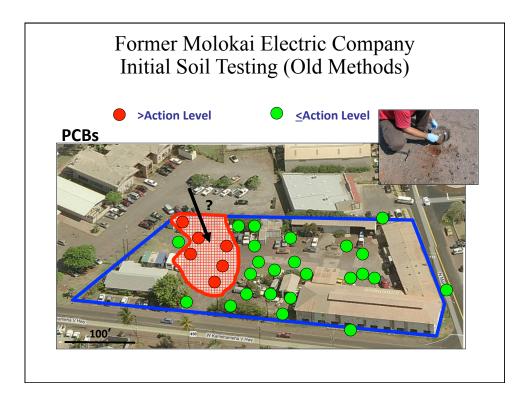


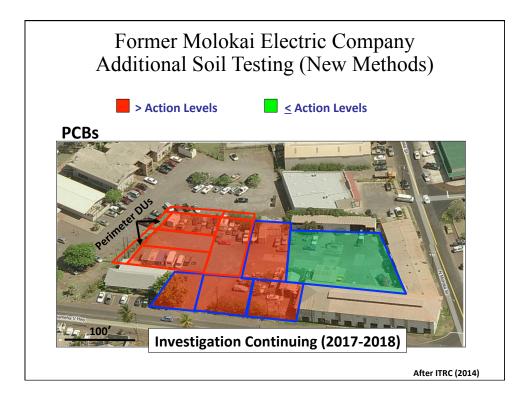




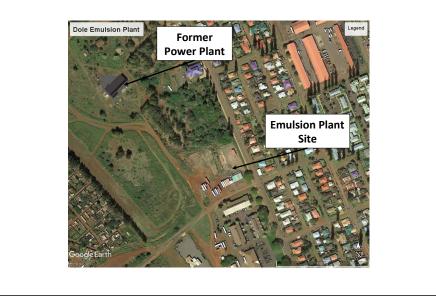


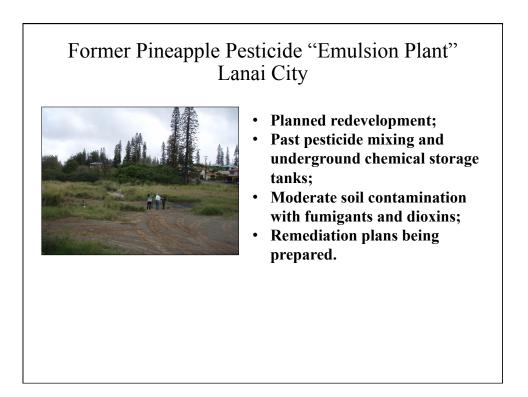




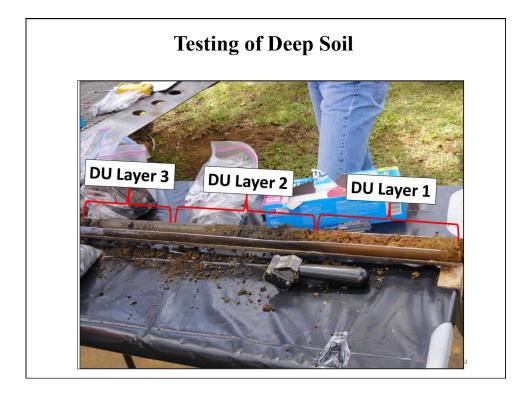


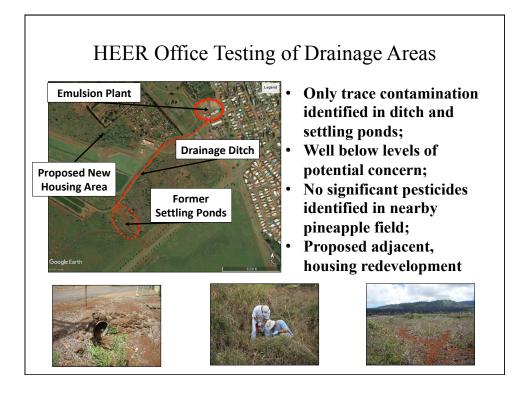
## Former Pineapple Pesticide "Emulsion Plant" Lanai City

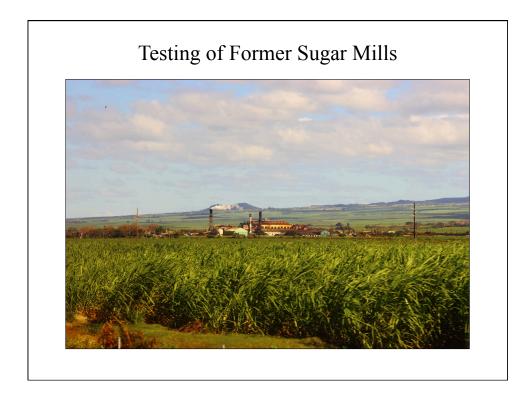


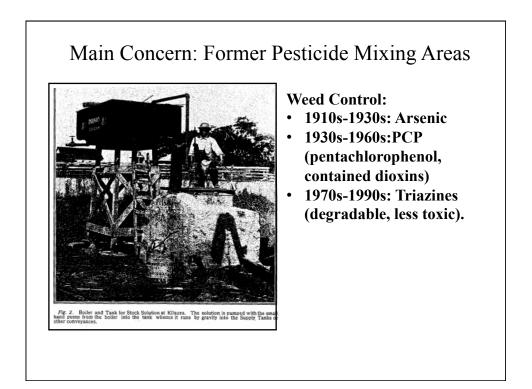


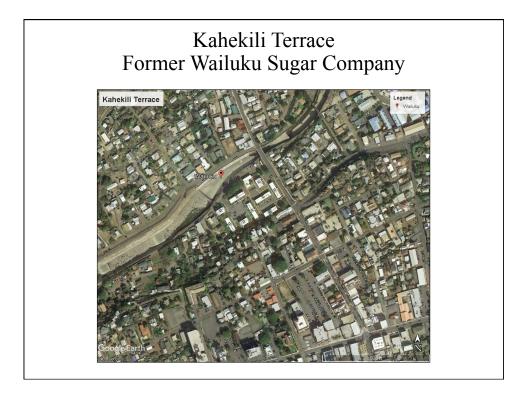


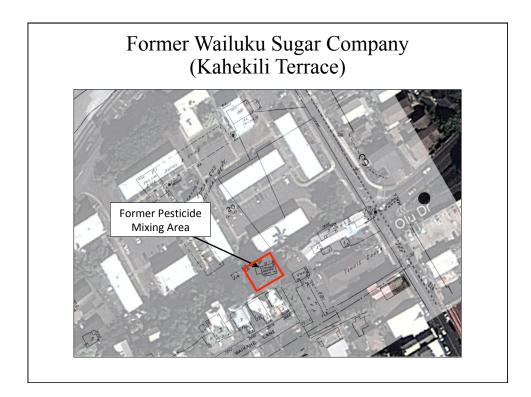


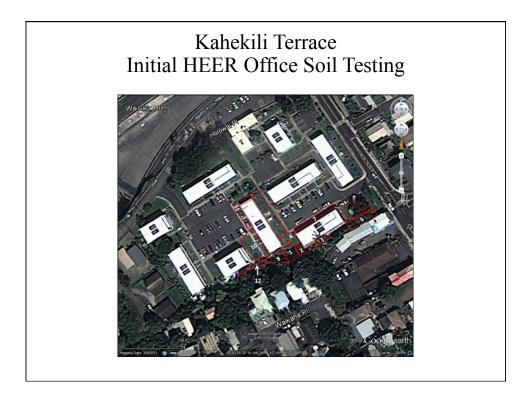




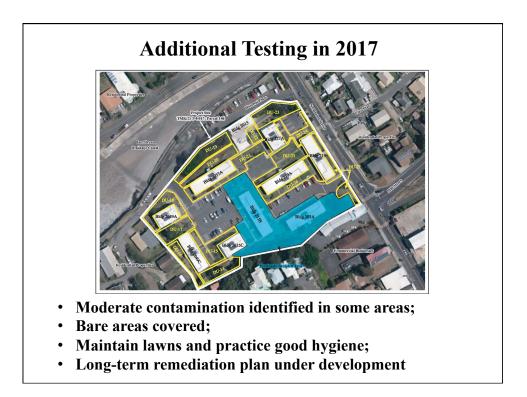


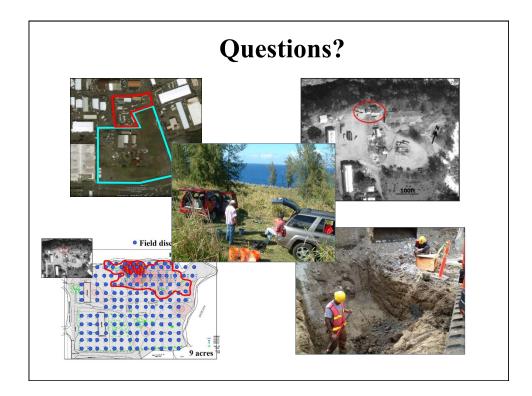






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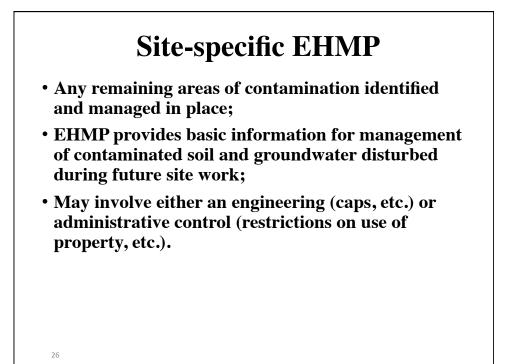


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## **Areawide EHMPs**

- Assumes widespread contamination over a large area (e.g., harbors, fuel terminals, etc.);
- Assumes that contamination will be encountered during construction work;
- Provides basic information for management of contaminated soil and groundwater disturbed during future site work;
- Covers common/public areas that have not been investigated (e.g.-streets);
- Is designed to protect public utility and construction workers from contamination in nearby areas.

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## **Pre-Construction EHMPs**

- Is more detailed and activity specific (e.g.,- digging);
- Applies to areas where the investigation is ongoing concurrently or has not gone through the removal or remedial process;
- Is based on the assumption that contamination will be encountered via certain activities on-site;
- Is designed primarily to protect site workers and ensure that contaminated soil and groundwater are dealt with appropriately during construction work.

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