

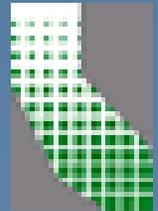
California Integrated Waste Management Board

Presenter

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Closed, Illegal, and Abandoned Sites Unit:

<http://www.ciwmb.ca.gov/LEACentral/CIA/>

Purpose - assist local enforcement agencies in investigating and enforcing State minimum standards at CIA sites

- Six personnel
 - Two engineers
 - Three IWMS
 - Supervisor – Engineer

Assist or Conduct for the Local Enforcement Agency:

- Phase I – Office Investigation
- Phase II – Field Investigation
- *** Provide Recommendations for Phase III – Remedial Actions

Assist or Conduct for the Local Enforcement Agency:

- Assist in Enforcement actions for CIA type sites
- Assist by providing guidance - regulations and Board policy

Phase I – Office Investigation

- Review and comment upon existing:
 - Documents, Data, Work Plans
 - LEA
 - Submitted by Consultants/Contractors
 - Attend meetings provide input

Phase I – Office Investigation

- **Research for, Obtain and Review**
 - **Historical documentation and data**
 - **Historical maps**
 - **Aerial photos**

Phase I - Research



1953 Aerial Photo – Burn Dump

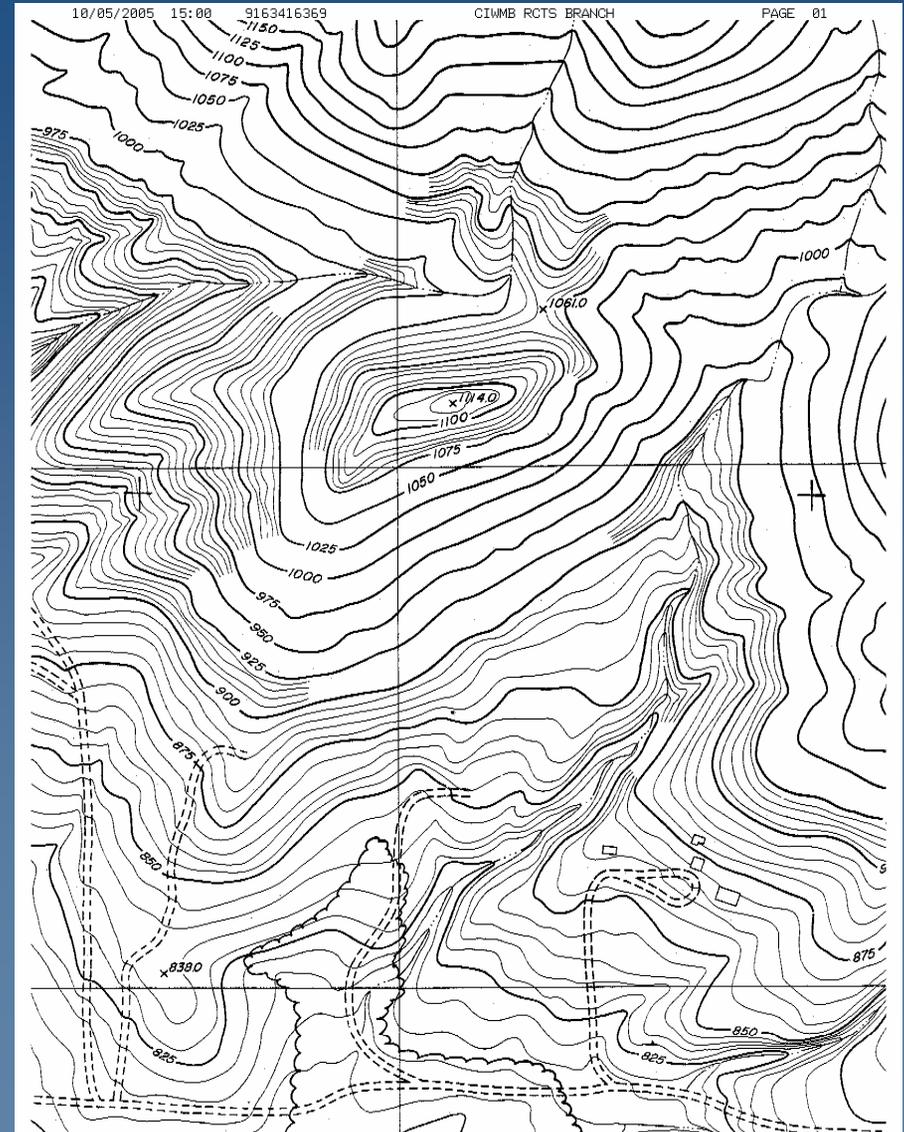
Phase I - Research



2005 Aerial Photo of Burn Dump Location

Phase I - Research

1972 Topographic
Map Burn Dump



Phase II investigations:

\$\$\$ no cost \$\$\$

- Conduct Site visits
- Consult with other government agencies: RWQCB, DTSC, DFG
- Conduct preliminary gas screening and sampling – existing systems

Phase II investigations: cont'd

- Obtain Site access agreements
 - LEA support
- Develop the work plan and sampling plan
 - Both burn dump and methane gas investigations

Conduct Preliminary field work – through contracted services,

- **Geophysical surveys**
- **Bio-surveys**



**Conduct field work –
through contracted services, to include
laboratory services:**

- **Installation of gas monitoring systems**
- **Follow-on gas screening, sampling, and laboratory analysis for 1 to 2 years.**

Conduct field work



**Drilling operations – Gas Investigation
Contract services**

Conduct field work



Gas Probe Installation and Monument

Conduct field work – Burn Dump Investigation

Air Monitoring



Trenching and waste characterization



Sampling

Phase II Field Investigation Final Report

- **Develop Final Report** - with findings and recommendations
 - based upon field investigation results
 - Laboratory Analysis of Soil/Gas Samples
 - Trenching/Boring Logs
 - and existing and proposed post closure land use

Phase III – Remedial actions.

Note: CIA scope of work limited:

- **Review and comment** on contractor/consultant recommendations and plans
- Provide **recommendations** contained in Final Report of CIA site investigation
- Referral to **Solid Waste Cleanup Program – AB2136**.

Enforcement Assistance:

- Provide guidance on enforcement procedures through Legal Office
- Assist in developing enforcement documentation
 - Notices and Orders
 - Correspondences
- Attend meetings – provide input
- Coordinate with other government agencies

Closed, Illegal, and Abandoned Sites Investigation Unit

- Closing
 - CIA staff can assist or conduct for the LEA
 - Phase I – Office Investigation
 - Phase II – Field Investigation
 - Assist in Phase III, Remedial Actions
 - Assist in the enforcement processes for CIA type sites.
- Questions???

