



Objectives

- Evaluate dust sources
 - Naturally occurring
 - Industrial
 - Agricultural
- Evaluate impacts to residents
- Recommend feasible and realistic methods to address and reduce dust

Tasks

- Questionnaire and photo brigade
 - 1,100 copies mailed to residents
 - Results compiled in Summary Sheet and Maps
- Conducted public meeting and resident interviews
- Evaluated nearby and localized traffic patterns
- Completed site visit to neighborhood and nearby facilities

Tasks (cont.)

- Evaluated dust from multiple sources
- Reviewed air quality and meteorological data from nearby and regional monitoring stations
- Reviewed relevant technical documents
- Developed conclusions and recommendations

POTENTI AL SOURCES

- Industrial
- Roadway
- Residential
- Naturally occurring
- Other



Industrial

- Crushing
- Waste and material handling
- Vehicle traffic
- Soil movement
- Bare working surfaces



Roadway

- Unpaved shoulder
- Vehicle speed
- Traffic volume
- Road dust



Other Sources

- Unvegetated or barren residential lots
- Mixed use area off Hakimo
 Road
- Naturally Occurring



- Dust is a nuisance
- Air monitoring data demonstrates dust is not a health concern
 - PVT TSP data reports show TSP well below healthbased levels
 - PVT metals not detected or present at very low concentrations
 - TSP and metals data similar to other DOH ambient monitoring stations
 - Data collected using sound scientific methods
- PVT to collect additional TSP and metals data

- Dust from PVT Site #1 showed highest TSP concentrations
- Some dust appears to be tied to emissions from Lualualei Road
- Wind patterns affect dust transport



Recommendation #1 – Lualualei
Naval Road Improvements and
Maintenance

 Recommendation #2 – Enforcement of Speed Limit on Lualualei Naval Road

Recommendation #3 – Reduce
Emissions at Entrance to PVT

Recommendation #4 – Reduce
Emissions on Capped Landfill Sections at PVT

Recommendation #5 – Evaluate
Reasonable Dust Controls on Other
Surrounding Industrial, Commercial,
and Agricultural Areas

Recommendation #6 – DOH
Community Involvement

Recommendation #7 – DOH Obtain
Data from PVT

 Recommendation #8 –
Neighborhood Awareness and Improvement Plan