



Matthew Rodriguez
Secretary for
Environmental Protection



Department of Toxic Substances Control

Barbara A. Lee, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

V St Jean
4/13/10



Edmund G. Brown Jr.
Governor

Community Protection and Hazardous Waste Reduction Initiative Pilot Project Proposal Form

Instructions

This form contains fillable fields. Mouseover each field for additional instructions. Not all fields need to be completed for submission, and general responses are acceptable if more specific responses have not been developed.

1.0 Pilot Project Summary

Identify the primary components of this pilot project.

Waste Stream:	solvent wastes- hydrocarbon (213), halogenated (211), oxygenated (212)
Industry:	mfrs- coatings, refining, computer, parts, garment cleaning, cleaning, degreasing
Geography:	CA, US, Interfational
Stakeholders:	mfrs, neighbors of existing solvent recovery plants, green chemistry
Government:	DTSC, EPA, Air districts, water agencies, CalRecycle, Green Chemistry

2.0 Pilot Project Details

Describe this pilot project and how it fits with the overall goals and objectives of the CPHWR Initiative. Characterize the waste(s) to be reduced and the implications.

Encourage small solvent refiners distributed thru the States, recycle solvents closer to the generators.

Heavily tax use of all hydrocarbon solvents, users pay for portable and other distillation systems, users pay for alternatives research. Aqueous cleaning and on-site recycling exempt from fees.

Incentive funding to determine better reverse sales of recovered solvents. Currently all blended too much, need to better segregate for re-use and re-purposing.

Encourage on-site recyclers, no waste should leave premises with any residual solvent.



Department of Toxic Substances Control



Matthew Rodriguez
Secretary for
Environmental Protection

Barbara A. Lee, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr.
Governor

3.0 Pilot Project Characteristics

Identify any applicable characteristics of this pilot project.

Source reduction or elimination
 Provides a permanent solution

Minimizes or avoids disposal
 Avoids media shifting

Long term reductions
 Replicable

Short term reductions
 Scalable

Decreases high volume waste
 Decreases toxicity of waste

Decreases high toxicity waste
 Reduces waste treatment impacts

Economically beneficial
 Stakeholders willing to participate

Represents a viable alternative
 Benefits EJ community

Other:

Describe how this pilot project addresses the characteristics identified above.

Too few solvent recovery plants in CA and they are by EJ neighborhoods. Soils that are contaminated with solvents should be washed to recover the contamination before any landfilling. Solvent volatility, evaporative tendencies make this waste not acceptable to be off-gassing anywhere. Smaller, transportable units could be used in the state, AND more small recovery plants that do not impact any neighbors.



Department of Toxic Substances Control



Matthew Rodriguez
Secretary for
Environmental Protection

Barbara A. Lee, Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Edmund G. Brown Jr.
Governor

4.0 **Pilot Project Considerations**

Identify resources, tools and/or experts which can be used to gather information in support of this pilot project.

Info needed on existing solvent recyclers in CA, nation. Need info on portable, transportable recyclers. Need BMPs for industries that use solvents- P2 checklists, source reduction, safer alternatives, better solvent recovery.

Identify other agencies that may have jurisdiction where this pilot project will be implemented.

Air Districts, CUPAs, DTSC,

Identify areas of potential competing considerations and objectives (including technical, legal, environmental, social, and economic factors).

Would compete with current Milk Run methods for solvent recovery. Need more on-site recyclers, better ways to re-use solvents on site, need solvent substitutes that are effective.

Discuss other possible benefits in addition to decreasing the volume and toxicity of hazardous waste.

Reduce the evaporation of solvents to air. Better manage locally, less impactful on EJ neighborhoods, better standards, fugitive emissions penalties

What are other key items to consider in completing this pilot project?

Cost, is it better than what we are doing already

Identify the various approaches to implementing this pilot project.

Review CA's existing solvent recovery plants, determine what can be done better (make solvent virgin again vs blends at end of re-refining at these plants, mitigate neighbor issues, spread the impact of solvent recovery companies.

