



# Department of Toxic Substances Control



V St Jean 4/13/14

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## 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.

<b>Waste Stream:</b>	petroleum contaminated wastes- legacy and on-going generation of waste
<b>Industry:</b>	Refineries
<b>Geography:</b>	CA, US, international
<b>Stakeholders:</b>	refineries, API, neighbors of refineries, PEI
<b>Government:</b>	EPA, DTSC, CARB, SWRCB, energy commission

### 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.

Expand on work of P2 external advisory committee. Determine BMPs, incentives for on-site recycling/reuse, disincentives for any off-site management of any hazardous wastes, levy fines if not treating on-site.

Use latest Biennial reports and waste minimization plans to see where refineries can go with reduction.

Refineries to pay for clean up costs/treatment of legacy waste. Energy commission needs to be at the table.

For existing contaminated soils and legacy waste, determine best way to treat those wastes in-situ. Supercritical water oxidation, soils washing, extracting out any petroleum for re-use....

Any wastes generated from refining need to have consumer value or need to be re-manufactured into a useful product that meets CA Green Chemistry definitions.



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### 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.

Stakeholders should be willing to participate if we plan to levy higher costs for further petroleum waste generation and disposal to landfill.

P2 project is simply getting resurrected, no need to re-invent the wheel. Should waste reductions not be met, DTSC should work out penalties, P2 efforts need to move to minimum compliance.

No longer send wastes to EJ communities- refineries must manage at plants.

If not managed at plant level, high penalties due to unfairness shipping wastes elsewhere.

Small scale P2 projects should be incentivized at refineries to encourage development of such technologies.

API and PEI should be helping us in this endeavor. It should be MUCH cheaper to deal with waste at the source vs ANY off-site shipment for treatment and disposal.



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### 4.0 **Pilot Project Considerations**

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

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

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

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

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

Identify the various approaches to implementing this pilot project.

