

# PSL Ltd.

## Environmental Action Plan

November 28, 2005

Item	Description	Due Date
1.	PSL shall develop and adopt a Land Acquisition Policy consistent with World Bank Operational Directive OD 4:30 on Involuntary Resettlement.	Mar 2006
2.	PSL shall develop Environmental Management Systems and obtain ISO 14001 or equivalent certification of these EMSs.	Dec 2008
3.	PSL shall commission Occupational Health and Safety Audits at all operational Indian manufacturing sites, and on the basis of these audits develop Action Plans which when implemented shall enable OHS management at the sites to be capable of certification to OHSAS 18001 or equivalent.	Mar 2006
4.	Action Plans arising from Item 3 shall be implemented, and OHSAS 18001 or equivalent certification of OHS management shall be obtained.	Dec 2008
5.	PSL shall identify sources of high levels of noise and shall develop plans to reduce noise levels to IFC and local requirements.	Mar 2006
6.	Noise reduction plans arising from Item 5 shall be implemented.	Mar 2008
7.	PSL shall appoint a suitably qualified officer with company-wide responsibility for Environmental and Occupational Health and Safety Management.	Mar 2006
8.	Company wide Best Practices in emergency response shall be defined and implemented.	Sept 2006
9.	Dedicated stores for the storage of hazardous materials and hazardous waste shall be constructed at each manufacturing site.	June 2006
10.	PSL shall review fire protection arrangements at bulk LPG stores.	June 2006
11.	PSL shall develop plans to improve fire protection in bulk stores of plastic granules.	Mar 2006.
12.	Plans arising from Items 10 and 11 shall be implemented.	Sept 2006
13.	Vehicle fueling points within PSL's sites shall be enhanced, by providing impermeable ground cover, and secondary containment of potential spills which could arise during fueling.	June 2006
14.	Overground oil storage tanks shall be equipped with secondary containment walls.	June 2006
15.	Impermeable ground surfaces, with secondary containment shall be provided at the base of coal-tar coating fume control cyclones.	June 2006
16.	Systems to monitor inventory of underground oil storage tanks, in order to identify potential leaks shall be developed:  (i) At the Varsana complex: (ii) At other sites	Dec 2005. June 2006

Item	Description	Due Date
17.	PSL shall: (i) identify categories of hazardous waste generated in its operations; (ii) seek approval from relevant Pollution Control Boards for the generation, handling and storage of such wastes. (iii) Maintain records to document generation, and disposal of such wastes through authorized contractors.	Mar 2006 Apr 2006 Apr 2006
18.	Develop systems for categorization, segregation, storage and appropriate disposal of non-hazardous solid wastes.	Mar 2006
19.	PSL shall monitor emissions to air from all diesel generator sets, at a frequency demanded by local regulators.	Apr 2006
20.	If shown necessary by Item 19, PSL shall develop and implement plans to improve the emissions to air from diesel generators to levels compliant with local and IFC requirements.	Dec 2008
21.	PSL shall develop and implement plans to limit particulate emissions from shot-blasting plants to IFC and local requirements.	Dec 2006
22.	PSL shall develop and implement plans to limit particulate and fume emissions from external three-layer pipe coating plants to IFC and local requirements.	June 2007
23.	PSL shall monitor emissions to air from tar-coating plant cyclones.	Mar 2006
24.	If shown necessary by Item 23, PSL shall develop and implement projects to limit emissions to air from tar-coating plants to IFC and local requirements.	Dec 2008
25.	PSL shall measure dust emissions from concrete mixing plants and if necessary to meet IFC and local requirements will install enhanced dust control equipment at these plants.	Dec 2008
26.	A process effluent treatment plant, capable of treating effluent to IFC and local requirements shall be installed at Vizag plant.	Dec 2006
27.	A rainwater harvesting system meeting local requirements shall be installed at Vizag plant.	June 2006
28.	An environmental monitoring programme meeting local and IFC requirements shall be adopted: (i) at the Varsana complex (ii) at Vizag (iii) at all other Indian manufacturing plants.	Mar 2006. June 2006 Dec 2006