

Emission regulation and its typical examples of the application in Japan

Categories	Mobile Source									
	Marine Vessels	Land Use								
		Others	Handheld	Transportable	Vehicles					
Definition		Mobile source other than vehicle			Mobile machineries intended to move or to be moved on land by means of an engine which do not run on-track or trolley-wire					
		Operated any location			Not operated on public road			Be operated or possibly operated on public road		
Examples	<ul style="list-style-type: none"> Commercial Recreational 	<ul style="list-style-type: none"> Sweeper Walk-behind mower Concrete cutter Tiller Locomotive Rail car 	<ul style="list-style-type: none"> Chainsaw Grass cutter Blower Compactor 	<ul style="list-style-type: none"> Generator set Welder Air compressor Sprayer 	<ul style="list-style-type: none"> Shovel loader Bulldozer Back-hoe loader Road maintenance machineries Snow plough Mobile crane 	<ul style="list-style-type: none"> Folk lift truck Airport equipment Material handling Snow mobile 	<ul style="list-style-type: none"> Tractor Harvester Speed sprayer Rice-planter 	<ul style="list-style-type: none"> Construction machineries Agricultural machineries Industrial vehicles 	<ul style="list-style-type: none"> Passenger car HD truck LD truck Bus Motor bicycle 	
Legislation	National regulation introducing MARPOL Annex VI				Non-road Special Motor Vehicles (NSMV)			Special Motor Vehicles	Motor Vehicles	
Basic law Scope and limits					Air Pollution Control Law			Air Pollution Control Law		
Basic law Regulation, certification & registration					Non-road Special Motor Vehicles Exhausts Regulation Law (Promulgated on May 2005 and will enter into force on early 2006)			Motor Vehicle Act.		
Applying regulation					Details has not yet been promulgated and it will be assumed on February 2006			Current (Applied from Oct. 2003) CI : 19kW - 560kW		
								Next step (6th report) Not yet promulageted C1&SI : 19kW - 560 kW		
Legal system			8kW - 560 kW (CI engine only)							
			Designation system of the low emission construction machineries used for the construction work sponsored by the							
Voluntary regulation of LEMA		LEMA's Voluntary regulation 0 - 19 kW (SI and CI engine)								

Remarks;
Examples shown in blue colour are installed with SI engine only.