

SUPPLYING UREA FOR THE ON-ROAD VEHICLE MARKET

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Aqueous urea use in Selective Catalytic Reduction (SCR) systems is a promising technology to reduce NO_x emissions from diesel engines. Urea specifications for this application may be influenced by total system requirements to achieve the challenging 2007 on road emissions standards adopted by EPA and California Air Resources Board. Other issues that need to be resolved regarding the use of urea in SCR systems are current production compared to possible demand from the transportation market. Urea shipping, storage, and infrastructure are also areas that need to be resolved. Environmental impact of spills needs to be analyzed. Arthur D. Little - Acurex Environmental, under contract to the National Renewable Energy Laboratory, is investigating these issues associated with the possible widespread use of aqueous urea in on-road vehicle applications.