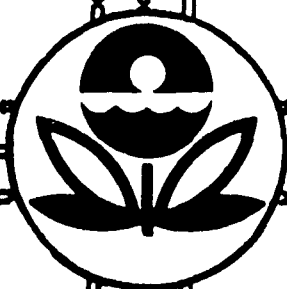


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**(OAQPS No. 1.2-089)**

**GUIDELINE SERIES**

**CONTROL OF VOLATILE  
ORGANIC EMISSIONS  
FROM STORAGE  
OF PETROLEUM LIQUIDS  
IN FIXED-ROOF TANKS**



**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Office of Air and Waste Management**  
**Office of Air Quality Planning and Standards**  
**Research Triangle Park, North Carolina 27711**

The following is an abstract of a longer document, presenting Reasonably Available Control Technology (RACT) for the storage of petroleum liquids in fixed roof tanks. In order to limit the size of the Guideline Series the actual RACT documents have not been incorporated, but rather, sent out under separate cover to those agencies receiving the Guideline Series. Agencies and individuals may request a copy of this document by providing the title and OAQPS identification number to the appropriate Regional Office Librarian.

Title: Control of Volatile Organic Emissions from Storage of Petroleum Liquids in Fixed Roof Tanks

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Date: December, 1977

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Summary:

This document describes available control techniques for the storage of petroleum liquids (True Vapor Pressure > 10.5 kPa) in certain existing fixed roof storage tanks with capacity greater than 150,000 liters. RACT for these storage tanks is defined in the document as the installation of an internal floating roof on fixed roof tanks storing liquids with TVP greater than 10.5 kPa, or equivalent control technology. Cost effectiveness is graphically presented as a function of turnovers per year, TVP, and tank size.