



Journal of  
the Japanese Association for Petroleum Technology

The Japanese Association for Petroleum Technology

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ONLINE ISSN : 1881-4131

PRINT ISSN : 0370-9868

**Journal of the Japanese Association for Petroleum Technology**

Vol. 70 (2005) , No. 6 pp.515-521



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## ADOC's operation for production, process and waste water treatment

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1) Abu Dhabi Oil Co., Ltd.

(Received September 5, 2005)

(Accepted November 11, 2005)

**Abstract:** Abu Dhabi Oil Co., Ltd. (ADOC) is currently operating three oil fields; Mubarraz, Umm Al-Anbar (AR) and Neewat Al-Ghalan (GA) fields. The oil production of Mubarraz field commenced in 1973, and AR and GA fields initiated oil production in 1989 and 1995 respectively. Since produced water from Mubarraz field has been increasing, water treatment is becoming one of the most important technical elements for stable operations.

At the same time, the activities for environmental protection have been intensively promoted, especially, minimizing emissions, effluents and waste discharge. ADOC's operations for water treatment are significantly complex, because it is closely linked to the operations of oil production, gas injection, oil and gas processing, and sewage and desalination. This paper presents several projects and technical improvements in water treatment, and future challenges in ADOC's operations.

**Key words:** [Abu Dhabi](#), [effluent](#), [water treatment](#), [sewage treatment system](#), [reverse osmosis desalination](#)



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To cite this article:

Masahiro Miwa 2005: ADOC's operation for production, process and waste water treatment , J. JAPANESE. ASSOC. PETROL. TECHNOL., **70**: 6, 515-521 .

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doi:10.3720/japt.70.515

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