

Changes shown by ↗

- ↗ Section 11 of the International Practices has been withdrawn but the information is retained in Exxon Engineering's Water and Wastewater Design Guide, TMEE 080. This Design Guide contains basic material recommending design, materials, fabrication, procurement, erection, inspection, and testing requirements for water and wastewater treating plants and equipment. The Design Guide is formatted with numbered paragraphs and contains Purpose Codes (defined in [IP 0-0-1](#)) similar to the IPs. The application of the Design Guide shall be specified by the Owner. And if specified, the S and E coded paragraphs are to be treated in the same manner as International Practices S / E paragraphs.

The following provides the Table of Contents listing of the specific Design Guides contained in TMEE 080.

WATER AND WASTEWATER DESIGN GUIDE (TMEE 080) - TABLE OF CONTENTS

DESIGN GUIDE	TITLE
DG 11-1-1	Granular-Media Filters
DG 11-1-2	Activated Carbon Filters
DG 11-2-1	Fixed Bed Ion Exchange Water Treating Units
DG 11-2-2	Aqueous Membrane Systems
DG 11-3-1	Gas Chlorinators for Water Treating Service
DG 11-4-1	Hot Process Water Treaters
DG 11-4-2	Cold Process Water Treaters
DG 11-5-1	Water Deaerators
DG 11-5-2	Decarbonators for Water Treating Units
DG 11-6-1	Chemical Feeders for Boilers and Deaerators
DG 11-6-2	Chemical Feeders for Cooling Towers (Leased or Purchased)
DG 11-6-3	Chemical Feeders for Wastewater Treating
DG 11-7-1	Wastewater Dissolved-Air Flotation System
DG 11-7-2	Wastewater Induced Gas Flotation Units
DG 11-8-1	Gravity Belt Filter Press System
DG 11-8-2	Thermal Drying Systems for Oily Sludges
DG 11-9-1	Aeration Systems
DG 11-9-2	Wastewater Clarifiers / Thickeners

IP 11-0-0		Water Treating Units Section Table of Contents (This practice is appropriate for attachment to Inquiry or Purchase Document)	
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Rev. 4	March 1998		

Revision Memo

1/71	Revision 1 - Added BP 11-6-2.
6/75	Revision 2 - Added BP 11-7-1.
6/76	Revision 3 - Deleted BP 11-6-2 (Dry Volumetric Chemical Feeders for Water Treating Systems). Revised title BP 11-6-1 (formerly Wet Chemical Feeders for Water Treating Systems).
6/80	Revision 4 - Added BP 11-8-1.
6/81	Revision 5 - Revised title of BP 11-6-1 (formerly Chemical Feeders for Water Treating Systems). Added BP 11-6-2.
6/82	Revision 6 - Added BP 11-9-1.
1/84	Revision 7 - Added BP 11-2-2.
6/85	Revision 8 - Added BP 11-5-2. Revised title BP 11-5-1 (formerly Water Deaerators and Degasifiers, (Decarbonators)).
6/93	Revision 9 - Added BP 11-8-2.
12/93	Revision 10 - Deleted BP 11-9-1 (Granular-Media Filters for Wastewater Treating); merged into BP 11-1-1 and revised title (formerly Filters for Water Treating Systems). Revised title of BP 11-2-2 (formerly Reverse Osmosis Water Treatment Units). BP 11-6-2 title amended (formerly Chemical Feeders for Cooling Towers), and deleted suitability for attachment to Inquiry or Purchase documents.
12/94	Revision 0 - Original Issue of International Practice BP 11-2-1 changed to IP 11-2-1. BP 11-4-1 changed to IP 11-4-1. BP 11-4-2 changed to IP 11-4-2. BP 11-5-1 changed to IP 11-5-1, and revised title (formerly Water Deaerators and Degasifiers). BP 11-5-2 changed to IP 11-5-2. BP 11-6-1 changed to IP 11-6-1. BP 11-7-1 changed to IP 11-7-1. BP 11-8-1 changed to IP 11-8-1. Added IP 11-6-3.
6/95	Revision 1 Added IP 11-1-2.
6/96	Revision 2 Added IP 11-9-1.
6/97	Revision 3 Deleted BP 11-3-1 (Gas Chlorinators for Water Treating Service).
3/98	Revision 4 Deleted BP 11-1-1 (Granular-Media Filters). Deleted IP 11-1-2 (Activated Carbon Filters). Deleted IP 11-2-1 (Fixed Bed Ion Exchange Water Treating Units). Deleted BP 11-2-2 (Aqueous Membrane Systems). Deleted IP 11-4-1 (Hot Process Water Treaters). Deleted IP 11-4-2 (Cold Process Water Treaters). Deleted IP 11-5-1 (Water Deaerators). Deleted IP 11-5-2 (Decarbonators for Water Treating Units). Deleted IP 11-6-1 (Chemical Feeders for Boilers and Deaerators). Deleted BP 11-6-2 (Chemical Feeders for Cooling Towers (Leased or Purchased)). Deleted IP 11-6-3 (Chemical Feeders for Wastewater Treating). Deleted IP 11-7-1 (Wastewater Dissolved-Air Flotation System). Deleted IP 11-8-1 (Gravity Belt Filter Press System). Deleted BP 11-8-2 (Thermal Drying Systems for Oily Sludges). Deleted IP 11-9-1 (Aeration Systems).

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