

ByPRO Engineering  
Summit, NJ

ACME Steel Company  
Coke Plant  
Light Oil Facility

**Operator Training**

**Volume 1 of 1**

Issue: March 1995  
Rev.: 0

## Purpose of Training

### A: Initial Training

- \* everybody assigned to LO facility for first time
- \* process review and operating procedures review
- \* emphasis on safety & hazard & emergencies
- \* definite knowledge about shut-down (em'gency)

### B: Refresher Training

- \* everybody working in LO facility
- \* process and operating procedures review (every 3 years)
- \* emphasis on safety & hazard & emergencies
- \* definite knowledge about shut-down (em'gency)

### Training Structure

#### Participation

- \* everybody assigned to LO facility has to attend, including supervision and maintenance
- \* employer must ascertain that each employee
  - understands, and
  - adheres to operating procedures

#### Documentation

- \* training auditor
- \* personal records
- \* refresher training

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Training Program

LO Facility

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## Training Material

Operating Manuals

Training Issue od P&I Diagrams

Supporting materials

\* vessel drawings

\* instrumentation specifications

## Testing of Knowledge and Skills

### A: Questionnaire

- \* everybody in training shall pass a test
- \* two steps:
  - Questionnaire (one sheet; five questions )
  - Quiz (randomly "pulled" two cards)
- \* Answers evaluated and added to training records

### B: On-site discussions

- \* questions to day-to-day operation practice
- \* data log keeping

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Training Program

LO Facility

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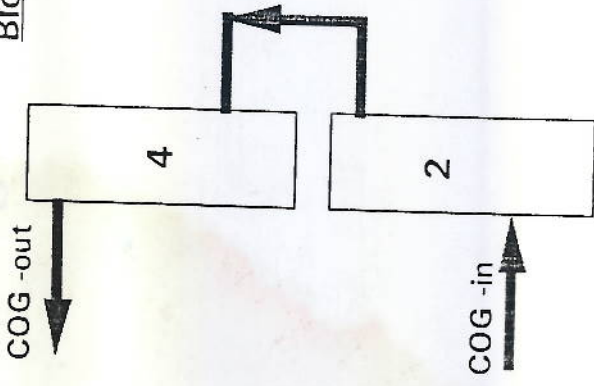
# Operator & Maintenance Training

## Coke Plant

## Light Oil Facility

March 20 - 24 1994

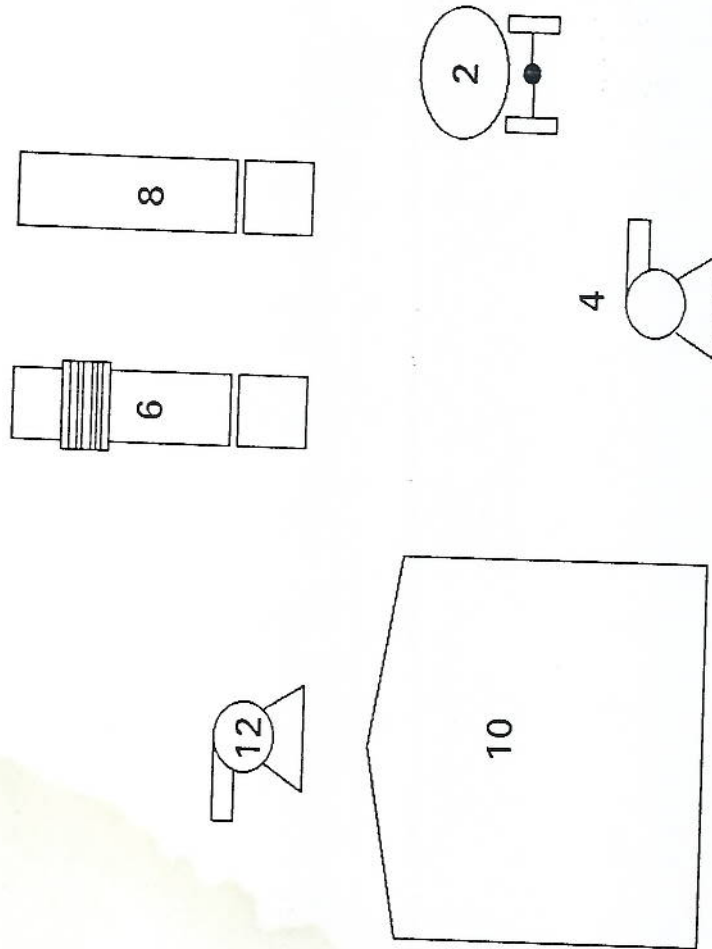
Block I



- 2
- 4
- 6
- 8
- 10
- 12
- 14
- 16
- 18

Block Diagram "B": LIGHT OIL FLOW

7

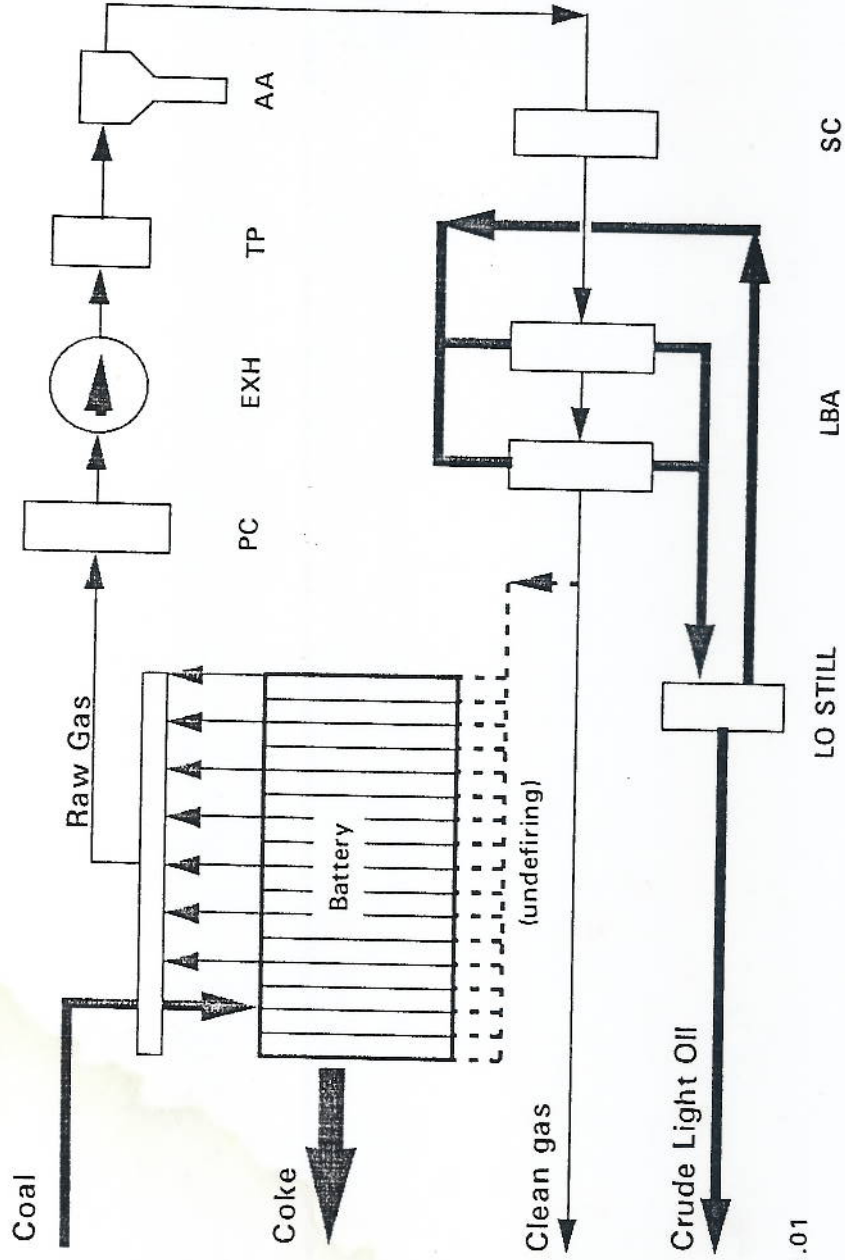


- 2 - - - - -
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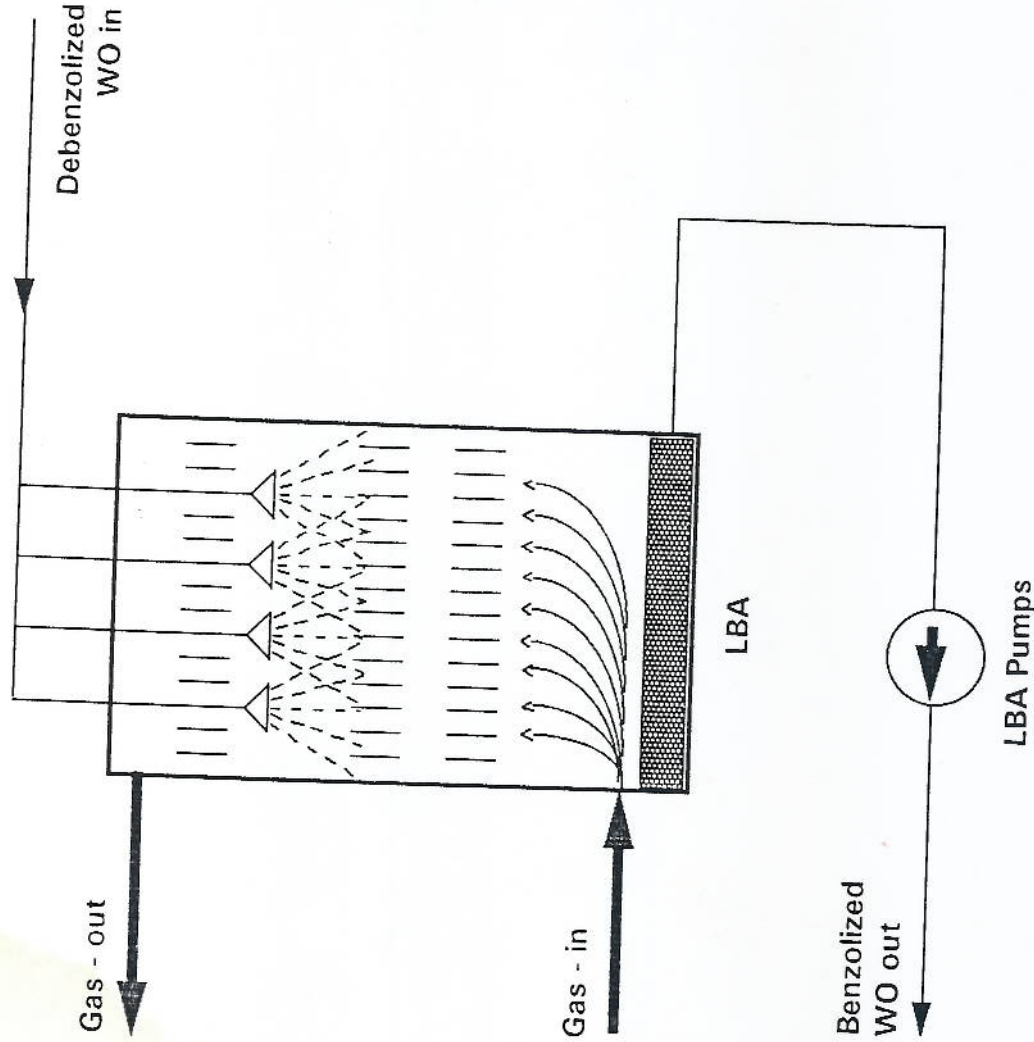
# Coke Plant Schematic

8



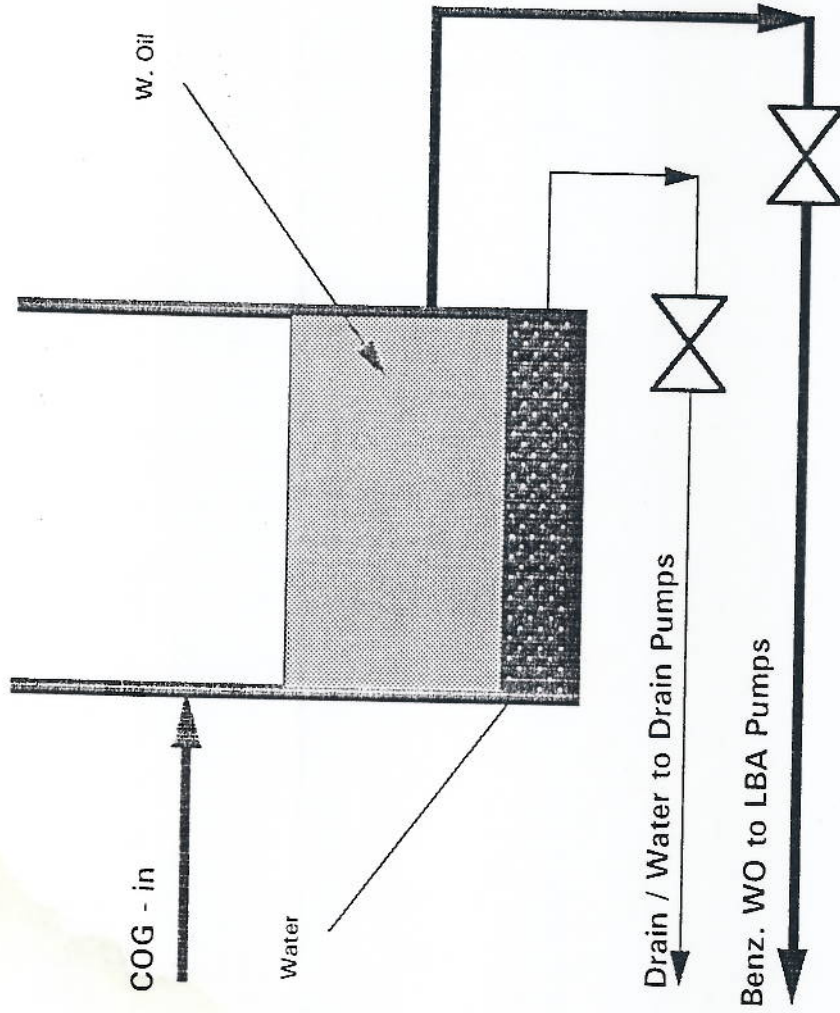
LO Scrubbing

9



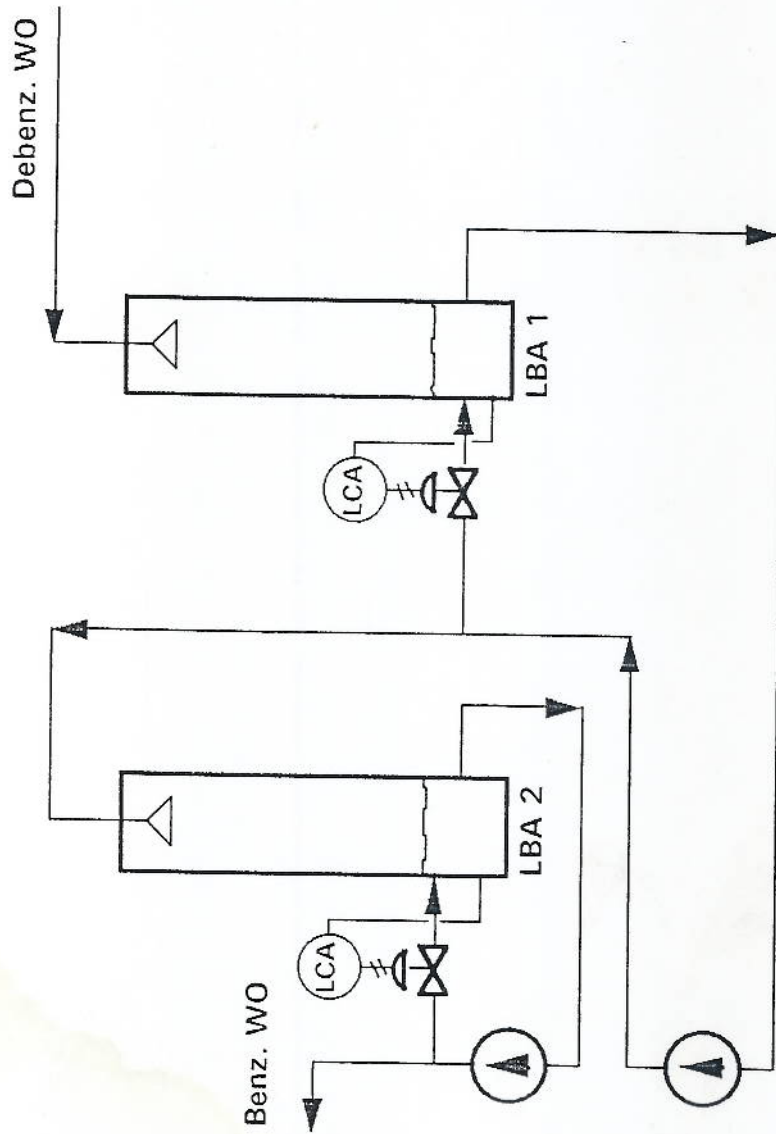
1.0-2

# LBA Water Drainage



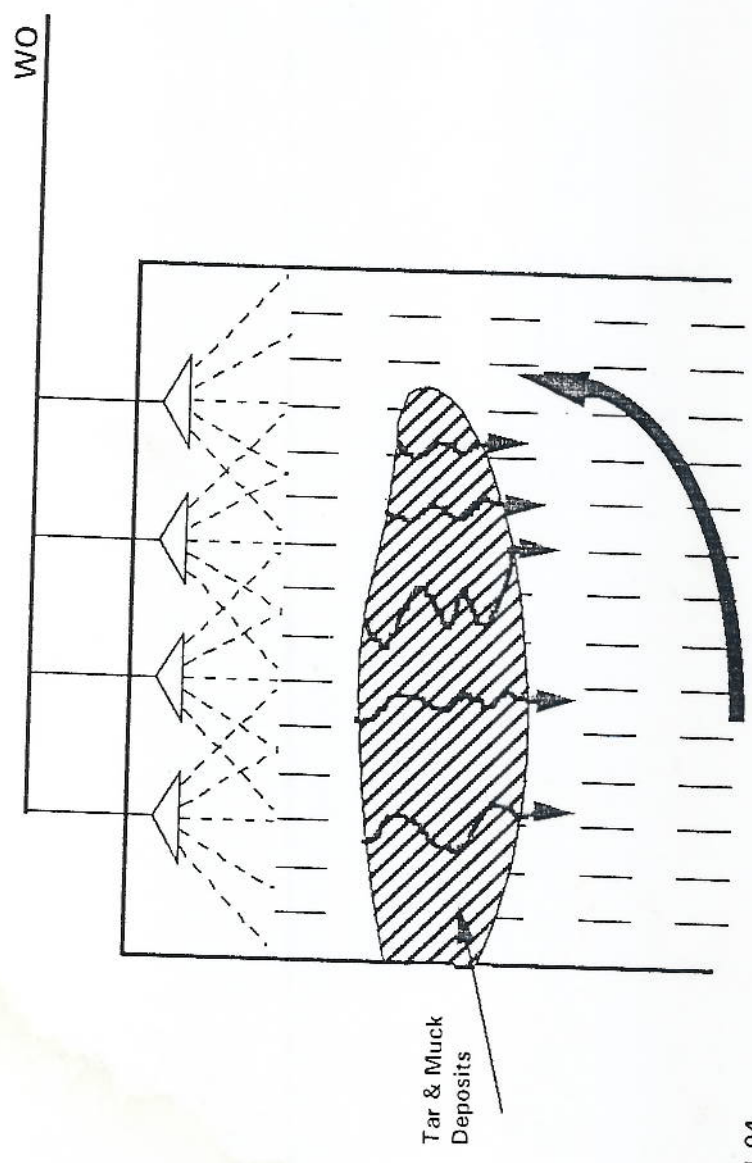
1.03

### Level Control in LBA Sump



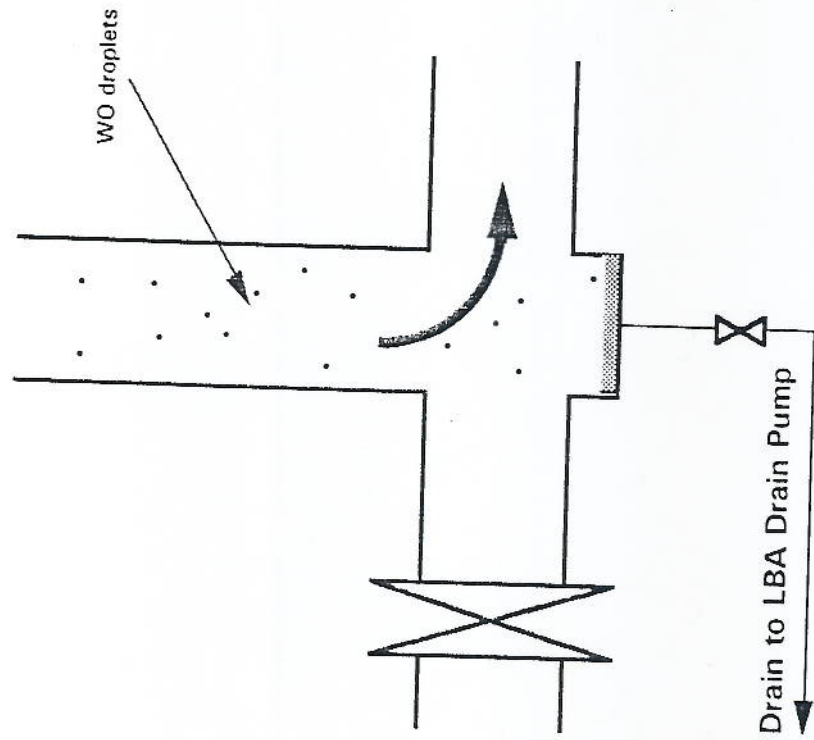
1.05

Plugging of LBA Internals



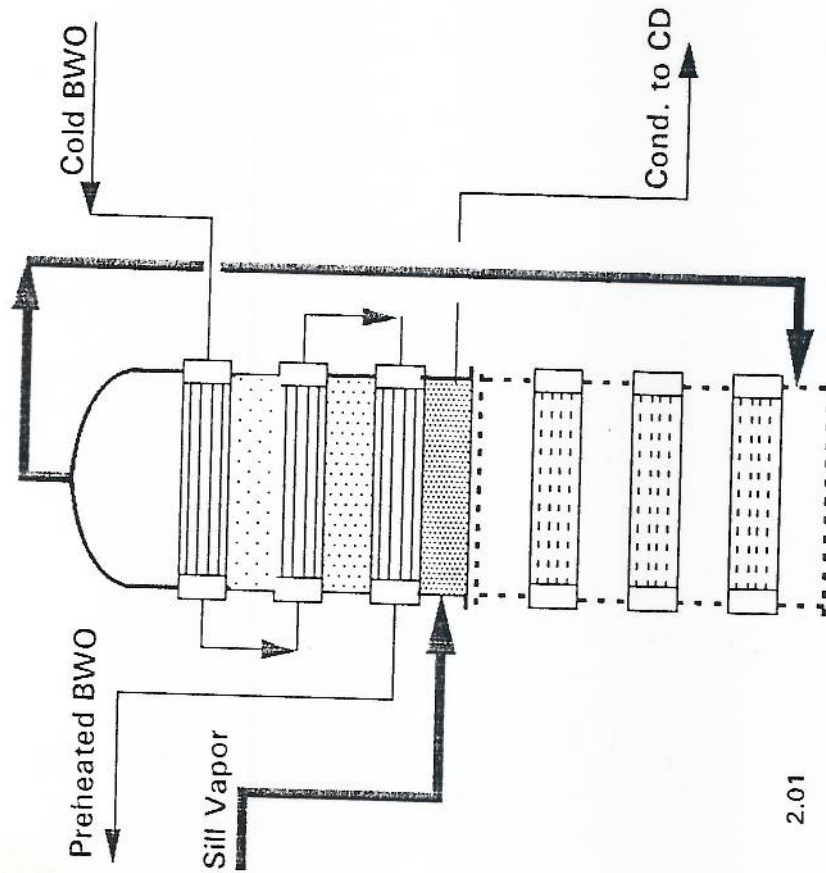
1.04

### Condensate Collection in Gas Piping



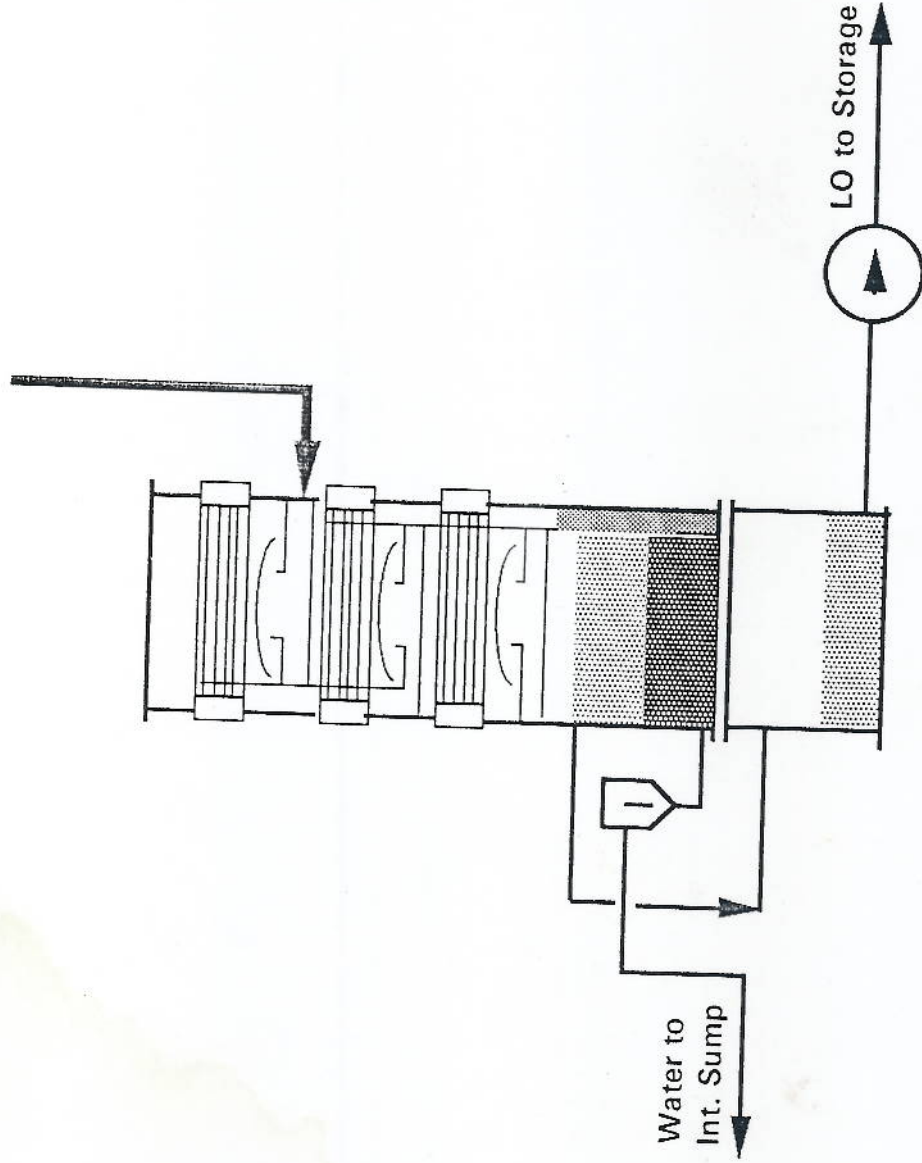
1.06

# Dephlegmator



2.01

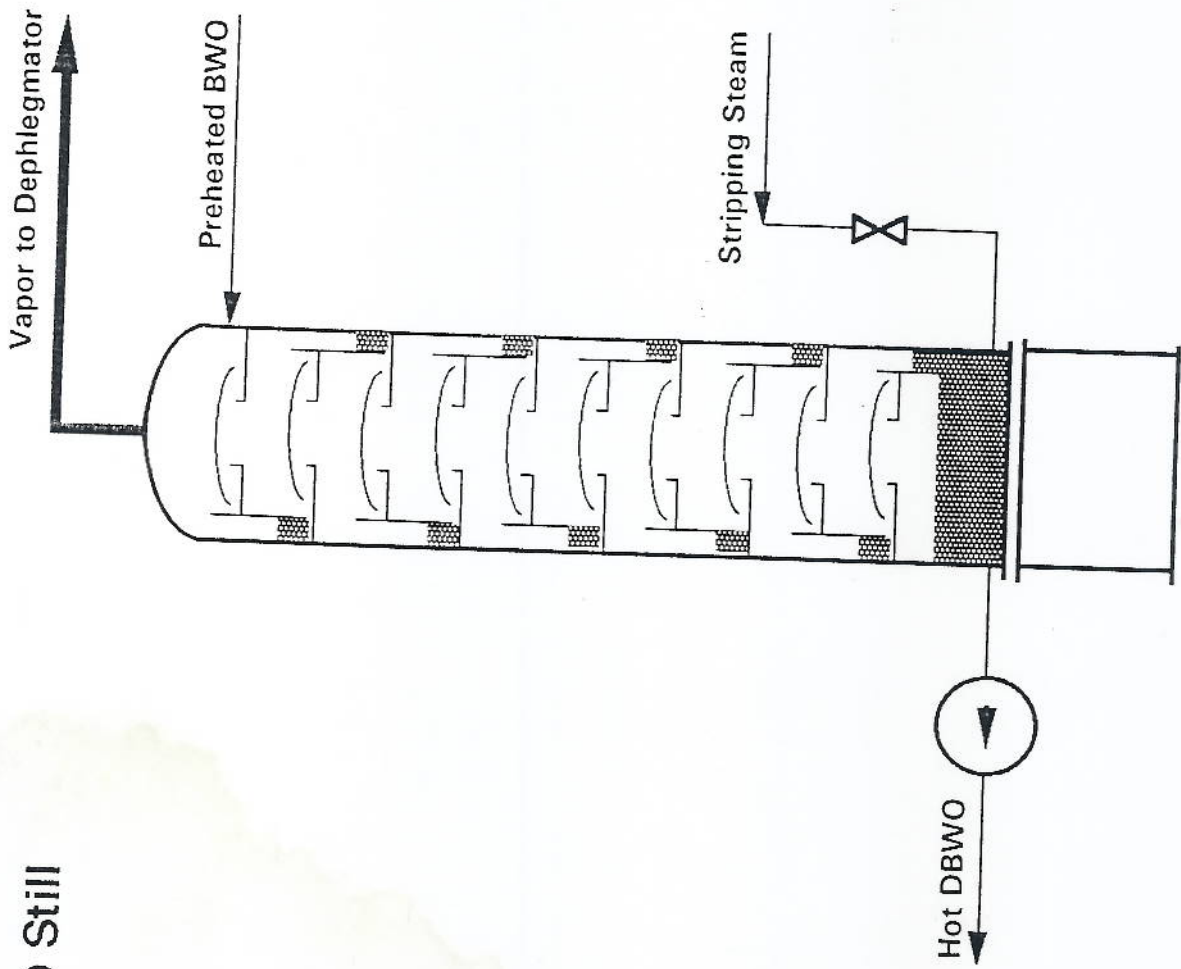
Condenser - Separator - Ring



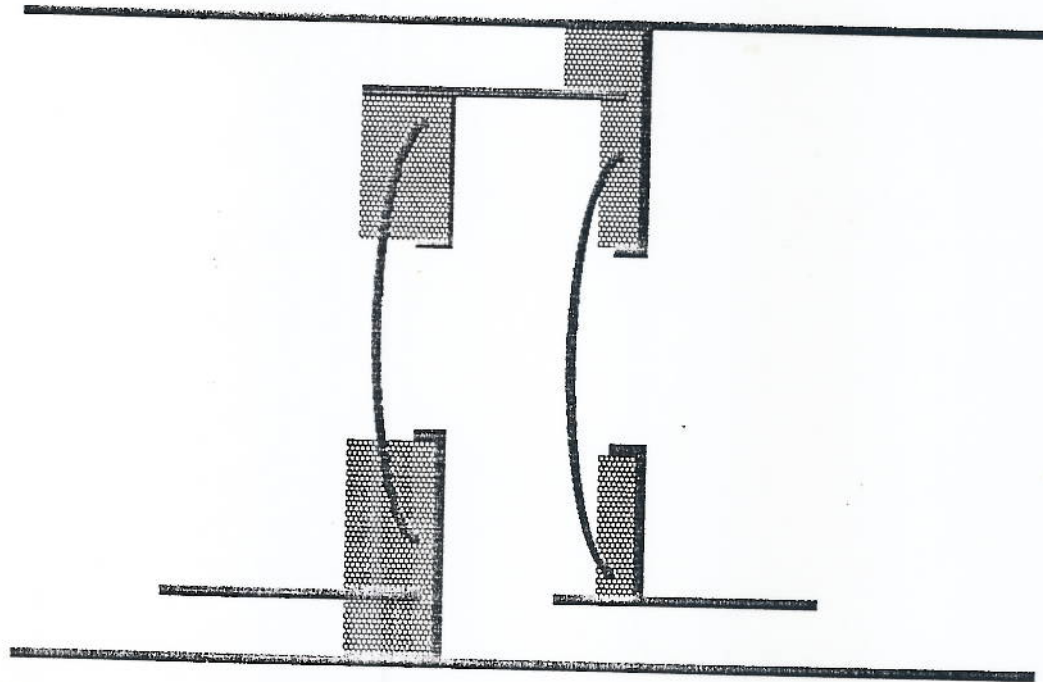


LO Still

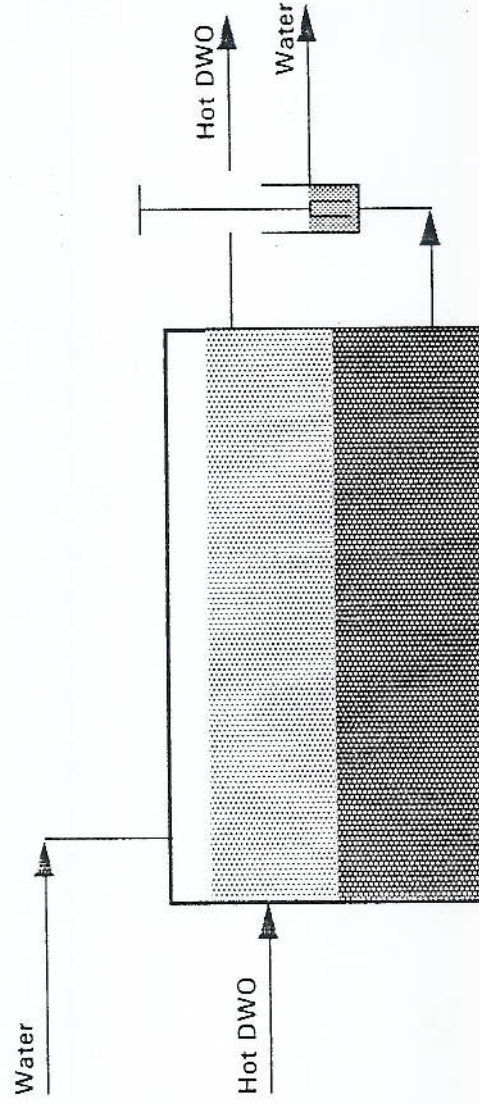
16



LO Still - Tray Detail

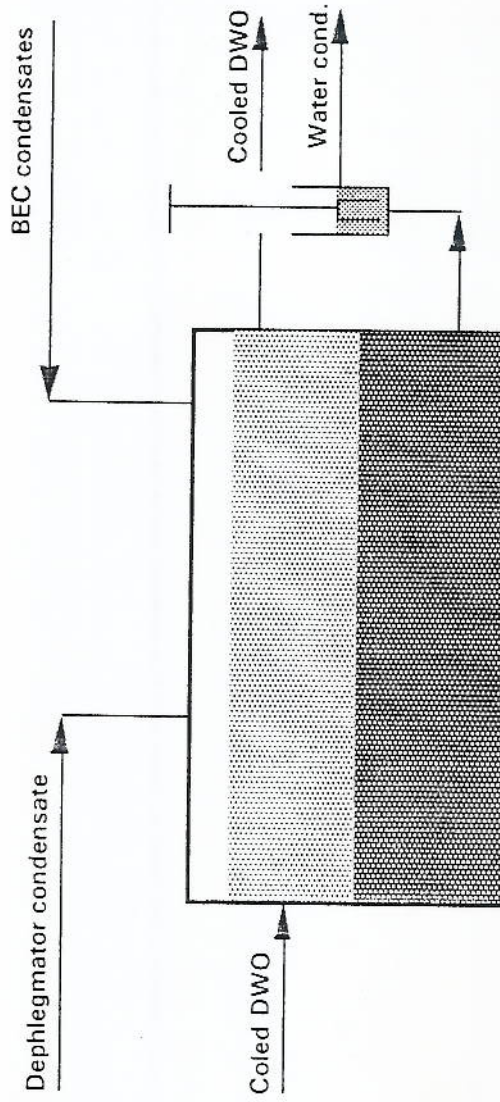


### Hot Wash Oil Decanter



2.05

# Cold Wash Oil Decanter



2.06

### Spiral Wash Oil Cooler

