NATIONAL DEVELOPMENT COMPANY

NADCO

National

Development

Company

(NADCO)

is investment &

contracting

company.

We cover the following in water treatment:

- Water treatment plant capacity: 22000-33000-44000-66000-88000-220000&325000m3/hr
- Waste water treatment plant from 50000PE to 5000000 PE
- Compact unit for water treatment plant capacity up to 400m3/hr
- Reverse osmosis from 100m3/hr to 700 m3/hr
- Piping networks with diameter up to 1400mm
- Pump stations

P.O.Box: 113-5641, Beirut-Lebanon

Telefax: 961 1 972800 961 1 972801 Fax: 961 1 972802

e mail: nadco1@cyberia.net.lb nadevusa@yahoo.com

Water **Treatment**

Section 1: Water Treatment Plant

Section 2: Compact Unit

Section 3: Waste Water Treatment Plant

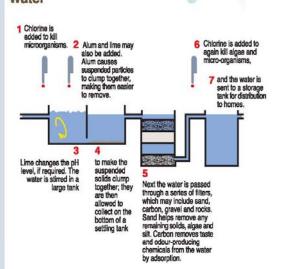
Section 4: **Reverse Osmosis**

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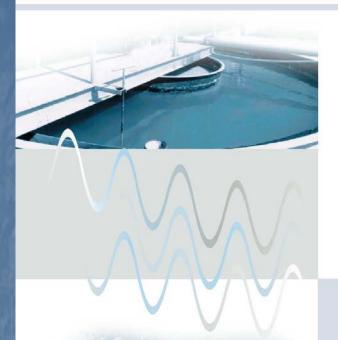
Section 1: Water Treatment Plant

Treating Drinking Water

Water used by a town or city is drawn from a lake or river, but needs to be treated first to make sure it is safe to drink. The intake pipe extends far out into the lake or river, where it draws in a supply of water which is sent to a treatment plant.







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Water **Treatment**

Section 2: **Compact Unit**

- **Clarifying Tanks** Tanks Mixers Flocculates Inlet Valve Sludge Hopper Discharge Pipes Lamella Settler
- 2 Intermediate Tanks
- **Filters**
- Aluminum Dosing Pumps & Tanks Tanks Stirrers
- 5 Chlorinators Vacuum Chlorinators Chlorine Gas Detectors Piping Weighing Scale Chlorine Residual Indicator Gas Masks Ventilators **Testing Equipment**
- 6 Pumps Low Lift Pumps High Lift Pumps
- Pipes and Connections
- Vessel
- **Electrical Equipment**
- Cables
- **Spare Parts**



Water Treatment

Section 3:

Waste Water Treatment Plant

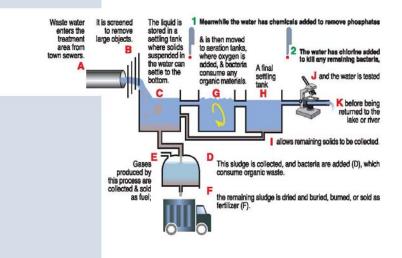
Works included in Waste Water Treatment Plant

- 1 inlet pumping station
- 2 Screen Chamber
- 3 grit removal
- 4 primary settling
- 5 Sedimentation Tanks
- 6 aeration tank
- 7 final settling
- 8 disinfection
- 9 filtration
- 10 Outlet Pumping Station
- 11 sludge tickening
- 12 digester
- 13 sludge dewatering
- 14 Sludge Pumping Station
- 15 "submersible pumping stations "
- 16 Site Services
- 17 Building Services
- 18 "Schedual of tools and spare parts"

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Waste water is all the water that has been used by a city. Besides sewage, there is runoff from rainfall (water that flows down streets and into storm drains) which might also contain contaminants such as gasoline, oil, paint, heavy metals, pesticides, human and animal waste, and trash. Eventually it will end up in a river, lake, or the ocean, so it is usually sent to a sewage treatment plant first, to make it clean.

Treating Waste Water





Water Treatment

Section 4:

Reverse Osmosis

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Works Included In Reverse Osmosis (up to 700M3/H)

1. Raw water

Raw water transfer pump Raw water transfer line Raw water tank

2. Pretreatment

Filter feed pump
Multi media filter
Scour air blower
Filter back wash pump
Waste wash water basin
Waste wash water pump
Filtered water tank

3. R.O. Plant

RO booster pumps Micron filter

RO high pressure pumps

Reverse osmosis unit (to remove from 95 to 98% heavy metals, to from 90 to 95% of total mineral salts, to raise the PH value up to 7.4)

Membrane flushing chemical treating system

RO transfer pumps

Product water transfer line

Brine transfer lone

Complete degasifiers (to remove Co2 gas from the osmotized water)

Portable membrane cleaning system

4. Chemical pretreatment

Chlorination system (to keep a residual chlorine in the osmotized water around 0.3 ppm)

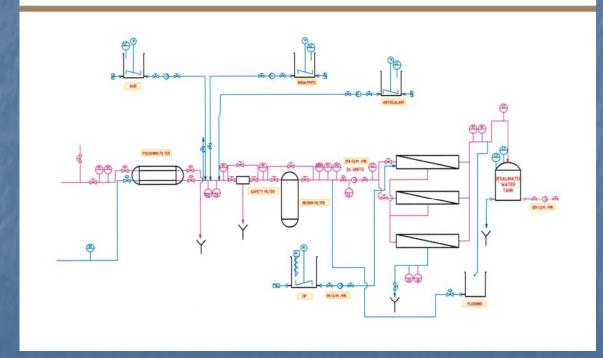
Feric chloride dosing acid dosing system

SMBS dechlorination system

Antiscalant dosing system

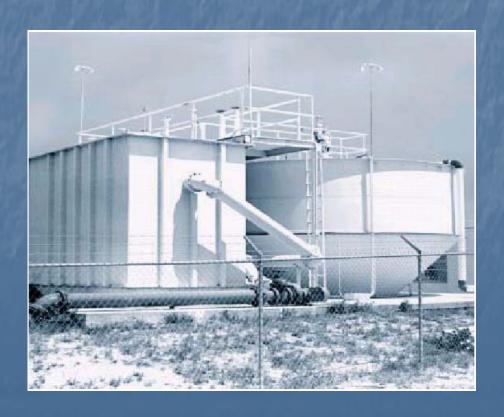
Soda ashe dosing system





Small combination system







GENERAL EFFECTIVENESS OF WATER TREATMENT

Here below the list of Bacteria eliminated by REDO as example but not limited to:

Escherichia

Coli

Coliform

Bacteria

Pseudomonas

Aeruginosa

Enterokokken

Faucal

Streptococci

Salmonella

Typhi

Shigella

Vibrio

Cholerae

Cyanobacteria

Geruginosa

Anabaena

Torulosa

Giardia

Lamblia

REDO Water Systems Gmbh (OFFSHORE)

NADCO

NADCO & SOUBRA CO.

STEEL WORKS

















NADCO & ASSOCIATE



STEEL WORKS



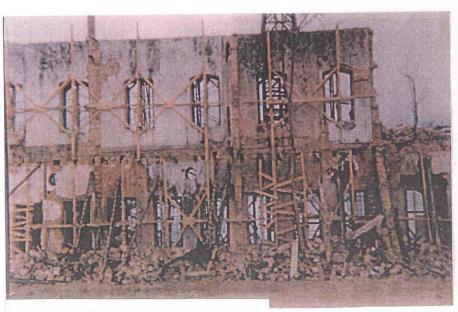
DEMOLITION



20 YEARS OF ACHIEVEMENTS



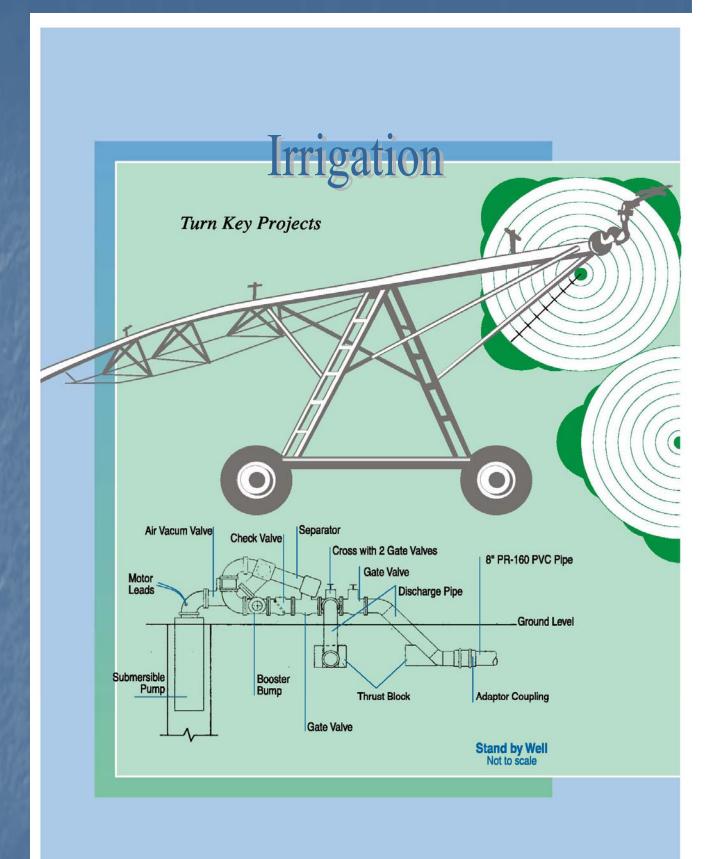




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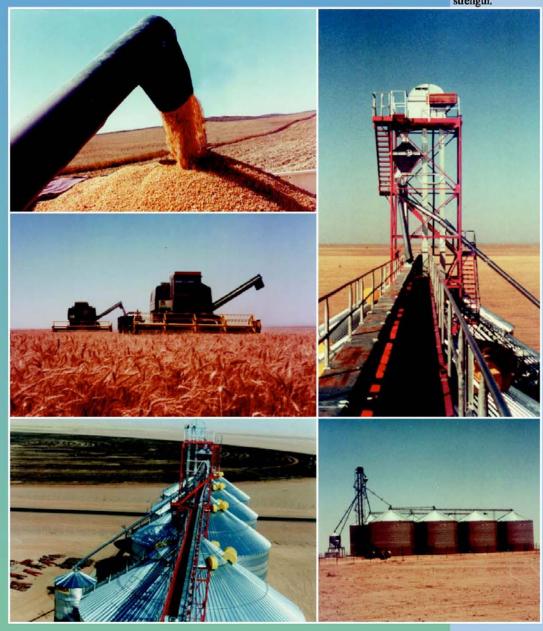






Nadco supplies and install silos for grain storage.

Silos are manufactured in all sizes and all sizes and dimensions of high tensile steel strength.

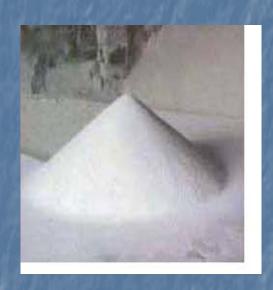


Pipe Line Irrigation



COMMODITIES

UREA, GRAINS (SUGAR.WHEAT...), MILK, CEMENT



UREA



WE CAN ARRANGE DIFFERENT TYPE OF SHIPPING AND PACKING IN BULK, ON PALLETS, BY CONTAINERS, SPECIAL BAGS ALL SHIPMENTS
WILL BE INSPECTED
BY INTERNATIONAL
SURVEY COMPANIES
TO ENSURE THE
CONFORMITY OF
THE SPCIFICATION.



WHEAT



GREEN BEANS



GREAN PEAS



LONG- GRAIN RICE



RED LENTIL



SUGAR





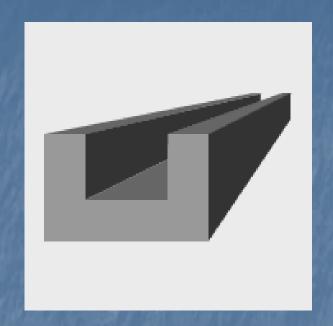
CEMENT



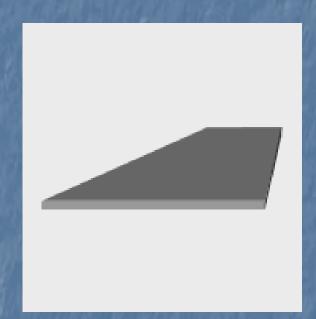


STEEL









FOR BOTH CONSTRUCTION AND MANUFACTURING USE

COMPUTERS

ACER PRODUCTS



Acer's product range includes
PC notebooks and Desktops,
Servers and storage systems,
Monitors, peripheral devices,
Digital devices, LCD TVs and
E-business solutions for business,
Government, Education and home users.

