

NORM WASTE FROM OIL AND GAS INDUSTRY

TYPICAL NORM WASTE STREAM

■ NORM SLUDGE ■ NORM SCALE ■ NORM ASH
FROM INCINERATION



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PURATEK® GENERAL REFERENCES:

- **PROJECT:** Solid Waste Solidification
CLIENT: Takreer, Abu Dhabi, Oil Refining Company
LOCATION: Ruwais, UAE
- **PROJECT:** DSS for Solidification (Dust Suppression System)
CLIENT: Takreer, Abu Dhabi, Oil Refining Company
LOCATION: Ruwais, UAE
- **PROJECT:** Rubber bale treatment, transportation and packaging system
CLIENT: Dow Chemicals Styron
LOCATION: Schkopau, D
- **PROJECT:** Wood chips gasification for combined heat and power plant
CLIENT: AGO AG Energie
LOCATION: Senden, D
- **PROJECT:** Recycling & Packaging plant
CLIENT: Dow Olefin
LOCATION: Merseburg, D

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Further information
about **Solidification:**
<http://bit.ly/1wB0bkx>

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SOLIDIFICATION

PURATEK®

TWO-STEP TREATMENT PROCESS FOR NORM ASH[☢]



BINDER



CHEMICALS



WATER



SAND



CEMENT



WATER



CHEMICALS



CHARGE

STABILIZATION

TRANSFER

SOLIDIFICATION

MOULD FILLING

CONDITIONING OF CONTAMINANTS
PRIOR TO SOLIDIFICATION

NORM ASH IS TRANSFORMED
HERE INTO WATER INSOLUBLE
COMPOUND.



IMMOBILIZATION AND ENCAPSULATION
OF WASTE AND CONTAMINANTS

HERE STABILIZED NORM ASH
IS IMMOBILIZED IN CONCRETE



CONCRETE BLOCKS
TO LANDFILL

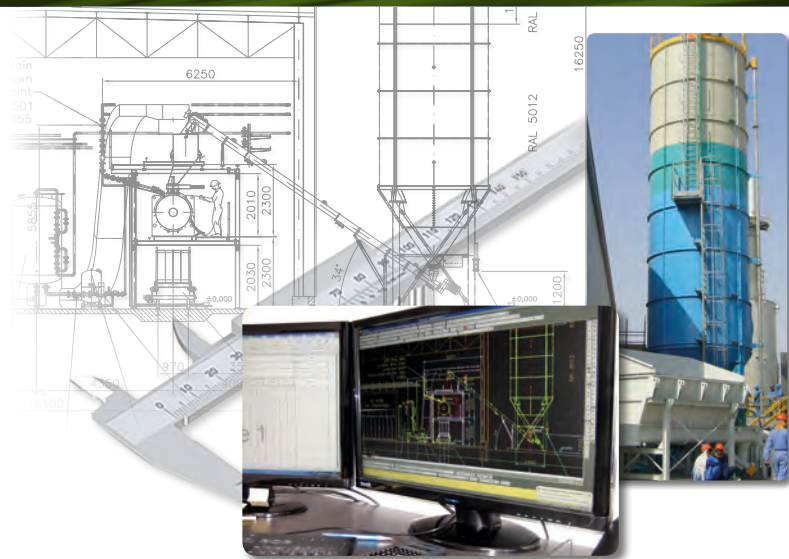
SOLIDIFICATION

PURATEK® Full Scope Technology and Facility for TREATMENT of Hazardous Waste including NORM



Typical WASTE are:

- Inorganic solids from Petrochemical and Chemical industry
- Fly ash and fine slag from incinerator
- Inorganic sludge containing heavy metals
- Radioactive sludge
- Municipal and industrial sewage sludge
- Contaminated soil



PURATEK® Full Scope Technology and Facility for TREATMENT of Hazardous Waste including NORM

PURATEK® Experience and Skills in the WASTE TREATMENT TECHNOLOGY:

- Plant engineering and construction for treatment and recycling of industrial, municipal and hazardous waste
- Technology and Know-how for NORM ash process plant
- Plant engineering and construction of conveying and transportation systems
- Realization of complete turn-key production plants
- Original manufacturer of process equipment