Implements of Electro Oxidation Technology in Treatment of Petrochemical Wastewater

Electro oxidation wastewater treatment technology can be adopted to treat:

·Produced Water
·Oily Water
·Hydoycarons
·Wastewater from Petrochemical Processes
·Energy Extraction
·Electrical Desalting Wastewater
·Distillation Wastewater
·Hydrotreating Wastewater
·Cooling Wastewater
·Equipment and System Cleaning
·Petrochemical Production Wastewater

Project #01

Subsidiary of CNPC
(China National Petroleum Corporation)

The company is located in Shaanxi Province, and its industrial coverage mainly includes oil, natural gas, oil, gas and coal comprehensive chemical industry, coal and power, new energy and new materials and technical development.

Type: Petrochemical Wastewater Operation: Dec. 2023

Treatment Goal: Treatment of PT wastewater with high COD value in the production process (complex composition), mainly to control CODcr, B/C ratio and PH and other related indicators.

BDD Anode: 42 m^2 Floor Area: 16 m^2 Water Volume: 4 m^3/h ; 96 m^3/d

Parameter	pH	CODcr(mg/L)	B/C
Inlet Water	3-5	≤23000	< 0.1
Outlet Water	/	≤16100	≥ 0.25

Remark:
1. When COD of inlet water ≥23000 mg/L, COD removal amount ≥7000 mg/L;
2. The inlet water contains traces of grease.

Project #02

Petrochemical Enterprise

The company is located in Hunan Province, specializing in technology development services, results transformation and product production in petroleum and coal chemical industry and other related fields.

Type: Petrochemical Wastewater Treatment

Operation: Dec. 2023

Treatment Goal:

To degrade the diverse pollutants produced in the production process:

① Acetone Wastewater ② Special Alcohol Wastewater

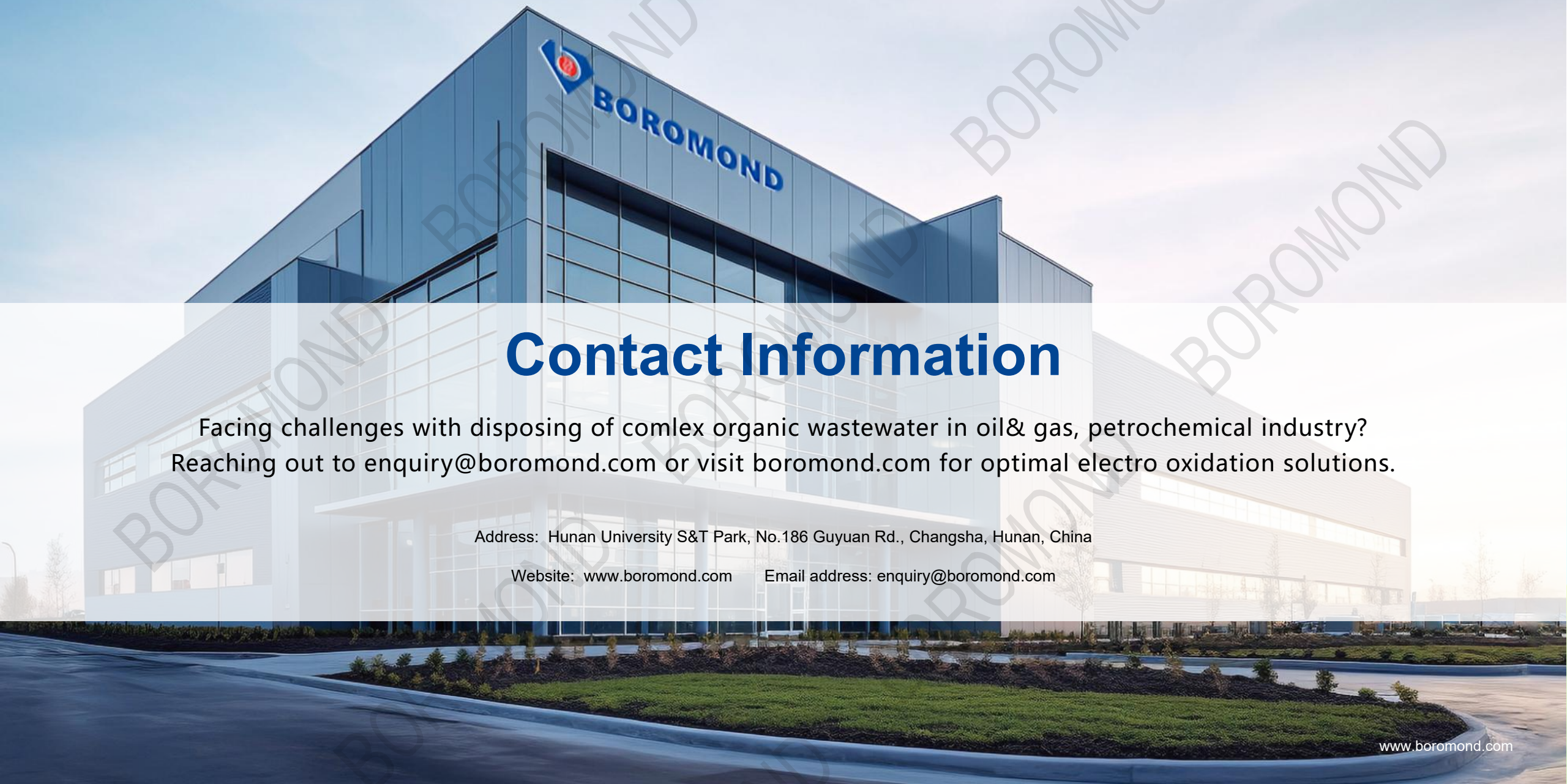
③ Special Phenol Wastewater ④ Special Ester Wastewater

⑤ Furfuryl Alcohol Hydrogenation Wastewater and Other Wastewater

To control CODcr, TDS and other pollution emission indicators.

BDD Anode:12 m^2 Floor Area: 10 m^2

Parameter	Acetone	Special Alcohol	Special Phenol	Special Ester	Furfuryl Alcohol
COD of Inlet Water	≤6000	≤1000	≤20000	≤200000	≤6000
CODcr of Outlet Water	≤600	≤600	≤600	≤600	≤600



Contact Information

Facing challenges with disposing of comlex organic wastewater in oil& gas, petrochemical industry?
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