

Marcellus Wastewaters Management by Resource Recovery



Marcellus Drill Rig

Hydrofracture of a shale gas well will commonly produce from 200,000 to 1,000,000 gallons of flowback wastewater while wells in production produce 200 to 4000 gallons per day of wastewater. With the USEPA and PADEP zero discharge regulations, these wastewaters must be managed by treatment and recycle, disposal via an injection well, or converted into salable products by resource recovery.

Given the costs for proper management of these similar wastewaters, management by conversion into salable products makes good economic sense.

The patents pending ProChemTech sequential precipitation fractional crystallization process (SPFCP) first removes toxic barium and radioactives from the wastewater, producing barite, a commercial product. The second step, fractional crystallization, produces high purity sodium chloride (salt) crystal and calcium chloride solution, both commercial products.

Marcellus Resource Recovery, Inc., holds an exclusive license to design, construct, and operate complete SPFCP turn-key facilities with capacities from 10,000 to 500,000 gpd.

Experience counts in wastewater treatment and resource recovery, ProChemTech is the only firm which has extensive wastewater treatment and resource recovery experience, having designed and built many industrial wastewater treatment and reuse systems since 1987.

Give us a call today to discuss using a SPFCP resource recovery system to solve your Marcellus wastewater problems.

ProChemTech International, Inc.
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“Innovation in Water Management”
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