



KANEV INDUSTRIAL WWTP

Cherkasy region, Ukraine

SIZE OF WWTP	6000 m ³ /day (1 585 000 GPD)
END USER	Poultry slaughterhouse, PrAT Myronivska Poultry Farm
CUSTOMER	PAT Myronivsky Hliboproduct
START OF OPERATION	December, 2015

ISSUE

Increased capacity of a slaughterhouse resulted in an increased amount of sewage sludge. An existing dehydrator was not able to handle this increase alone, therefore a call for bids was issued.

SOLUTION

EKOTON submitted a lowest priced bid for a modern complex sludge dewatering solution with a state-of-the-art automation system based on PLC and HMI and won the bidding. One unit of MDQ-353 C was installed in parallel with an existing dehydrator from other manufacturer. Having similar nominal capacity, our MDQ achieves higher cake DS content compared to an existing dehydrator.

RESULTS

TYPE OF SLUDGE	DAF sludge
UNIT SLUDGE SUPPLY	6-7.5 m ³ /h (26-33 GPM) 700-750 kg DS/h (1540-1650 lb DS/h)
FEED SLUDGE DS CONCENTRATION	8-12 %
CAKE DS CONCENTRATION	33-40 %
OPERATION TIME	14-18 h/day
AVERAGE POLYMER DOSE	2.2 g/kg DS (4.4 lb/ton DS)
UNIT DAILY POWER CONSUMPTION	35-45 kW*h

