**CHEESE PROCESSING PLANT UPGRADES TO HI RATE™ MBR UF**

Dynatec Systems’ provided a HiRate™ UF for MBR service to process 400,000 gallons per day for a cheese processing plant in NY. The HiRate™ MBR operates at a high flux rate therefore requiring less membrane surface area thereby saving both capital and operational costs. Dynatec Systems has successfully installed over six hundred (600) membrane systems providing solutions to wastewater projects since 1979. The HiRate™ MBR UF combines sound engineering and effective process design with state of the art materials of construction.

This processing plant has an existing conventional biological system that Dynatec has converted to an MBR to meet current demands and regulations. By converting the plant to a Dynatec MBR process, the facility is able to use the existing biological system and by just adding a membrane system, were able to improve system performance and meeting the stricter discharge regulations. In addition, the plant will be able to meet the permit limit for phosphorus without the addition of chemicals which represents an additional cost savings. The MBR will also reduce sludge generation. The conversion to a HiRate™ MBR UF has proven, with previous clients, to be a successful and cost-effective addition to existing treatment systems.