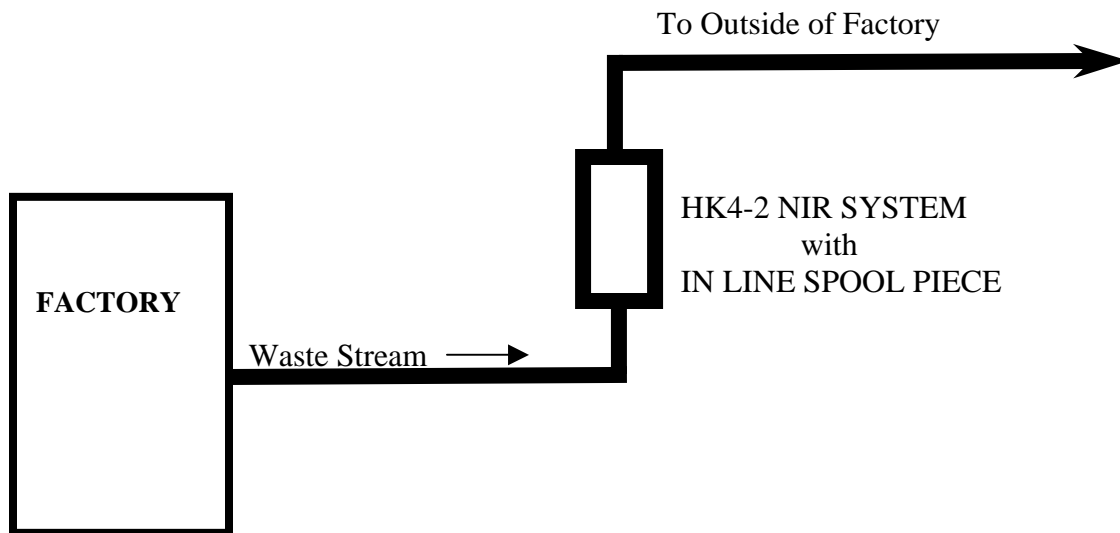


- INDUSTRY:** DAIRY - MILK PRODUCTION, CHEESE, YOGURT, ETC
- PRODUCT:** LIQUID WASTE STREAM COMING FROM THE PLANT
- APPLICATION:** MEASURING THE ORGANIC MATERIAL IN A WASTE STREAM WITH A NEAR INFRARED SYSTEM.
- This is a Continuous Process with our System being used for Closed Loop Control and Visual Monitoring.
- DESCRIPTION:** Customers are very interested in keeping the Organics, (Fat, Protein, Sugar), in the Waste Steam as low as possible.
- BENEFITS:** There are 3 items of interest to the Customer:
- 1) **INCREASED COST** - THE CUSTOMER OFTEN MUST PAY FOR THE ORGANICS IN THE WASTE STREAM. MORE, WASTE ORGANICS IN THE WASTE STREAM IS MORE COST.
 - 2) **GOVERNMENT REGULATIONS** - CUSTOMER HAS A MAXIMUM AMOUNT OF ORGANICS, WHICH ARE ALLOWED IN THE WASTE STREAM. HE CAN BE FINED IF THE ORGANIC LEVEL IS TOO HIGH.
 - 3) **EFFICIENCY AND PERFORMANCE** - ORGANICS IN THE WASTE STREAM ARE AN INDICATION THAT THE MANUFACTURING PROCESS IS NOT RUNNING CORRECTLY.
- REPEATABILITY** +/- 0.1 % IS POSSIBLE WITH A GOOD CALIBRATION.
- MEASURING RANGE** 0.5% TO 1.5% TOTAL ORGANICS IN WASTE STREAM WOULD BE A TYPICAL LEVEL.
- HK EQUIPMENT:** [HK-4 NEAR INFRARED \(NIR\) SYSTEM FOR PIPE OR VESSEL INSTALLATION.](#)



MEASURING ORGANICS IN CHEESE FACTORY WASTE STREAM