

CASE STUDY

TRANSFORMING WASTEWATER RISK INTO SUSTAINABLE SAVINGS

THE CHALLENGE:

The client operates in multiple locations across the country. One facility has been generating one or two loads per day of what they refer to as “Calamity Water,” a combination of whey and milk waste along with rinse water. Recent regulatory changes have limited disposal options, causing concern about potential production shutdowns.

VANGUARD’S SOLUTION:

The Vanguard team worked with our network of strategic partners to identify a hauling partner and compost option that accepts this type of material. This solution not only reduced the risk of production shutdown, but also lowered costs by 15%. The previous outlet was restricted in the number of loads it could process each week, and this new solution can accommodate all loads without limitation.

THE OUTCOME:

The client saved approximately 15% compared to the previous process, addressing their concerns about solution cost and operational efficiency. The wastewater, which was initially sent to a local wastewater treatment plant with strict volume limits, was diverted to a compost site with no volume limitations, addressing their concerns about solution reliability and sustainability. Finally, the risk of production shutdown due to waste disposal issues was mitigated, addressing the client’s pain point of business risk.

CLIENT PROFILE:

The client is a leading global manufacturer of nutritional ingredients, primarily focused on milk and whey proteins. The client serves the health and wellness, performance nutrition, and functional food industries, with a strong presence in the animal nutrition and pet feed sectors.

Client Industry: **Food Manufacturer**

Client Location: **Nebraska**

Disposal Method: **Compost**