

Industry:

Energy From Waste

Plant:

ERF (Energy Recovery Facility)

Lining System:

K-FLOW

K-FLOW WASTE CHUTE

Key Benefits:

- ✓ Increased flow promotion
- ✓ Ideal protection system against corrosion
- ✓ Minimal cost to improve performance ratio

Problem: In the realm of waste management, efficiency and reliability are paramount. An ERF Plant, faced the challenge of handling large quantities of household waste coupled with various contaminants resulting in the degradation of its waste hall tipping chute surfaces due to the very high levels of corrosion. This deterioration not only impeded continuous material flow but also led to waste buildup inside and on top of the chutes, necessitating manual intervention from engineers and causing frequent production stoppages. Recognizing the urgent need for a lasting solution, the facility embarked on a journey to revamp its waste management infrastructure.

Solution: After careful analysis and consultation with Kingfisher technical engineers a proposal was made and accepted for the fabrication and installation of a new waste chute manufactured from K-FLOW metallic wear-resistant materials. This innovative solution promised to combat the effects of sliding and friction-induced abrasion, ensuring the seamless flow of bulk materials through the chute. The K-FLOW material, renowned for its durability and resistance to corrosion, emerged as the ideal choice to enhance the longevity and performance of the waste management infrastructure.

Benefits: In conclusion, the adoption of Kingfisher's K-FLOW metallic wear-resistant system proved instrumental in addressing the corrosion-induced challenges faced by the ERF plant. By prioritising durability, efficiency, and ease of installation, the facility successfully transformed its waste management infrastructure, ensuring uninterrupted operations and reducing maintenance overheads. This case study underscores the value of innovative solutions in optimising industrial processes and proves the importance of proactive maintenance strategies in the waste management sector.

Protecting Industry Worldwide

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