

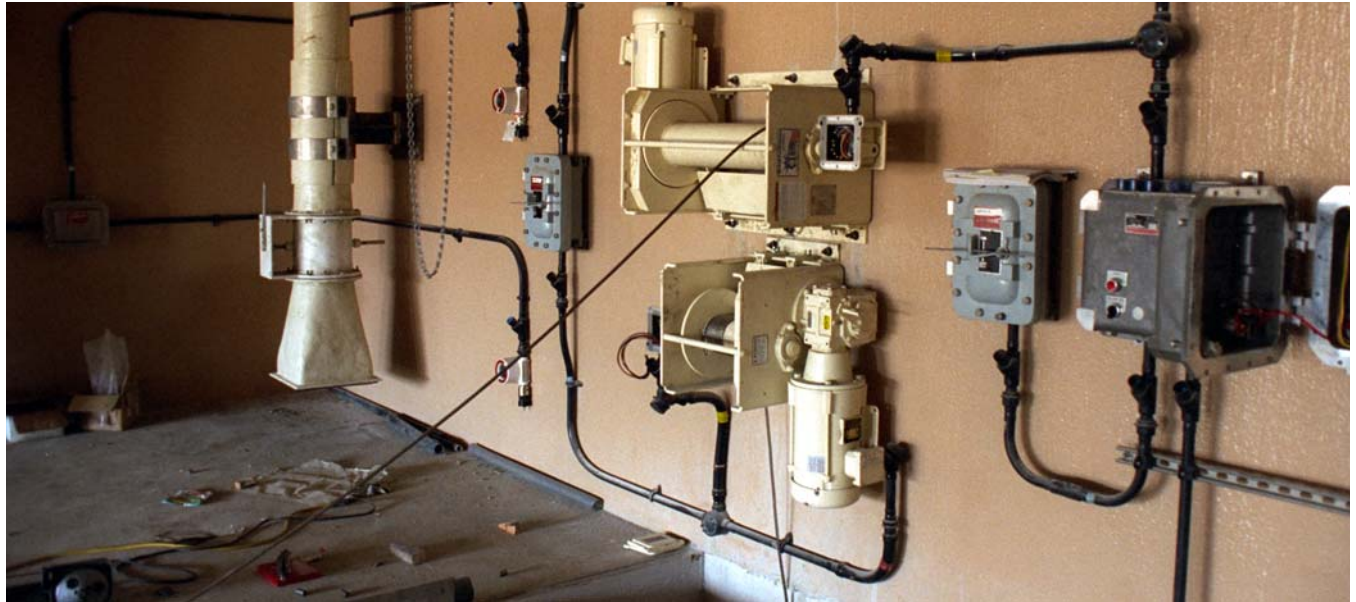
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# Product Application

Wastewater



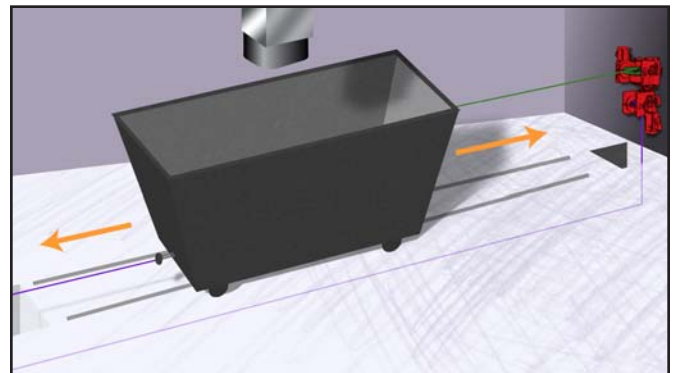
## Winches Used to Position Hopper Cars in Wastewater Facility



Winches need to pull a hopper car into position below a chute and then move it back and forth as the car is filled with waste materials. One winch will be used as the retrieval winch to pull the car into position and then winches will be attached to either side of the car for back and forth movement.

One winch was supplied with a longer drum to be used as the retrieval winch with a greater cable capacity. Both winches equipped with manual clutches to allow for free spooling of the cable to load for attachment. Special epoxy paint finish supplied to customer's specifications. Control package allowed for both winches to be operated simultaneously with pay out/in capabilities.

**Above:** Two winches are positioned at the end of a track and connect to the cart to move it into position underneath a waste shoot. Once filled, the cart is retrieved.





## APPLICATION DETAILS

Lifting or pulling:	Pulling
Line pull required:	3,100 lbs
Line speed required:	20 fpm
Travel distance of load:	Up to 120 ft
Power source:	460/3/60
Installation requirements:	Wall mounted
Environment:	Corrosive
Frequency of operation:	2-3x per hour

