

ASGCO® - Impact Bed Cradle Solves Aging Spillage Problem

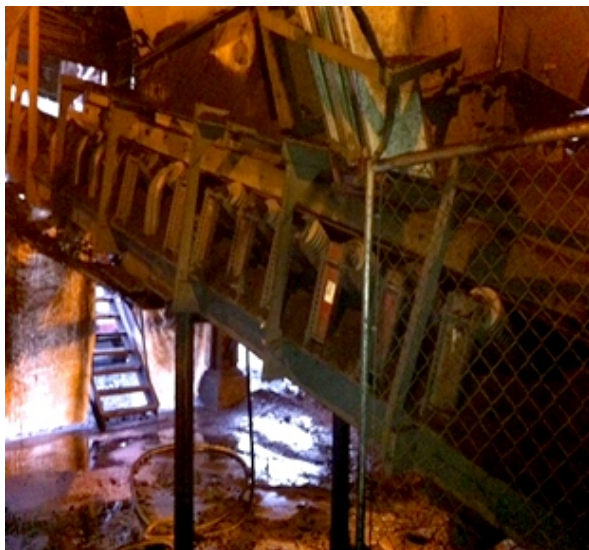
Industry	Eastern bituminous coal mining.
Application	#1 refuse belt, ground level, in preparation plant
Product	ASGCO® Impact Bed Cradle, Load Zone Support System
Objective	Provide support in load zone, better alternative to impact rollers that fail consistently, and assist in preventing spillage.

Challenge

The #1 refuse belt on the ground level is spilling badly and impact rollers cannot keep up with the seven load zones where the material is being dumped. A 28' span needs to be supported and sealed in a manner as to not increase amperage or draw on the existing belt drive.

Recommendations:

Following a complete conveyor survey and review of the #1 refuse belt, it was decided that the ASGCO® Impact Bed Cradle system was best suited to address all areas and issues to protect the conveyor belt and to help control the spillage, thus eliminating the need for future impact rollers.



Results

After the existing frozen impact rollers were removed and with the new support provided by the beds, the amperage of the #1 refuse belt drive actually went down by 2 amps. The introduction of the ASGCO® Impact Bed Cradle saved the plant money, decreased downtime, and in conjunction with the existing skirt boards and skirt rubber stopped the spillage.

ASGCO® Impact Bed Cradle



- **Improved Impact Bed Cradles** - no pinch point or idler junction area utilizing our 17.5° bars for 35° idler systems; 10° degree bars for 20° idler systems and 22.5° degree bars for 45° idler systems.
- **Absorbs Impact** - with heavy duty steel designed framework and our impact bars that are manufactured with our absorbent, 40-durometer rubber that can really take the shock of large material.
- **Modular Designed** - cradles can be manufactured in 2' (600mm), 3' (900mm), 4' (1200mm) or 5' (1500mm) long, depending upon the size of your material impact area.
- **Available in Either** - standard duty (1,000 ft/lbs) or mine duty (2,000 ft/lbs) of impact.