



PEBCO[®] AUTOMATED TRUCK LOADOUT *

The first totally automated truck
loadout facility in North America
batch-loads 20-ton trucks in less than
two minutes.

 **PEBCO[®]**

American industry's move to automated systems has now reached the coal market in a new way—the totally automated batch weigh and truck loadout system designed by PEBCO for the power generation facility in the city of Springfield, Illinois.

This system, the first of its kind in North America, weighs incoming trucks, batch-loads coal into those trucks and transmits the loading data both to the mine's central accounting computer for billing and to the end user. In this loading sequence the truck driver never leaves his cab, and it is accomplished without the need for an operator in the control room.

Each truck is loaded and on its way within two minutes on a 24-hour-a-day basis.

PEBCO supplied all the structural, electrical, mechanical and hydraulic equipment for the facility.



Clean coal silo

Clean coal conveyor

Batch and weigh bin

Ticket printer

Control room

Traffic light

Card reader

Truck scale

Truck enters load area



1. The truck enters a pitless truck scale; the driver inserts a plastic card into the card reader. The card records the driver's name, tractor size, load information and other specifics.

2. When this information is verified by the computer, the driver receives a green light and proceeds to the loading station under the 80'-tall loadout structure.



3. The batch is automatically determined by the information on the driver's card and his weight on the scale. The UNI-LOAD[®] chute moves from a "clear" position...



4. ...to a "load" position when the batch is ready to be delivered. More verification of truck position and trailer configuration is being done by photo-electric cells.



5. This control panel allows the system to operate automatically, or manually if desired.



6. When loading is complete, the driver receives a flashing green light. As he proceeds, the ticket printer gives him a record of the load just completed, and his cumulative daily total. That same information goes to central records for the mine and to the utility.



*"This product is covered by one or more of the following U.S. patents: #3,380,475, #3,556,358, #3,589,670, #3,799,187, #3,813,015, #3,907,178, #3,916,949, #4,372,730, #4,580,698 and foreign patents".



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Consult your nearest PEBCO representative for more detailed information or write to the address below. Although the application discussed in this brochure is coal, the system will apply to any bulk material.