



STANDARD OPERATING PROCEDURES FOR SAFETY

WORKING SAFELY UNDER A RAISED DUMP

Rationale: To ensure safe conditions when it is necessary to work under a raised dump of a dump truck.

Background: Dump truck operators in the ballast operation wanted to be sure the dump of the truck could not fall and injure them while they were working under it if the hydraulics failed. One operator devised a simple and inexpensive, but effective way to keep the dump raised in the event of failed hydraulics.

Procedures:

Cut a 6”x 6” post to a length of approximately 4 feet, long enough to slightly overhang when placed on the chassis rails underneath the dump. Green wood is recommended, to ensure the post will not slip or split when pressure is applied. On each end of the post, using an eyebolt, attach a 5 ft. piece of chain. Fasten chain hooks to the free end of both chains.



With the dump in the fully-raised position, lay the post across the chassis rails underneath the dump and push it up against the raised dump.



To further ensure the post will not pop out under pressure, thread each chain through a hole on both sides of the dump, or wrap it around the chassis, and connect it back onto itself.



Should the hydraulics fail, the post, held by the chains, will prevent the dump from falling down. Remove the post only when all work is complete.

A new post should be made every year from green wood, as dry wood will have a greater tendency to move or crack under pressure.