STOCKPILING TECHNIQUES FOR CLEAN STONE

DON’T CONE UP

DO DUMP TIGHTLY IN SINGLE PILES

DON’T DUMP OVER THE END

DO STACK AS HIGH AS LOADER WILL REACH

DON’T OVERLAP SIZES

DO SEPARATE DIFFERENT SIZES

CONTAMINATION

#5  #6  #7  #89

#5  #6  #7  #89
STOCKPILING TECHNIQUES FOR CLEAN STONE

DON’T DIG UP THE MAT

DON’T STOCKPILE NEAR CONTAMINANTS

DON’T STOCKPILE OVER LARGER SIZES

CONTAMINATION

OVERSIZE

DO REMOVE CONTAMINANTS

DO KEEP THE BUCKET UP

DO STOCKPILE OVER SAME SIZE OR SMALLER
TO SHIP FROM PRODUCTION CONE

The loadout must be equal to production. Realistically, this doesn’t happen. Therefore, no shipping from under conveyors. This includes not shipping for private jobs if some material is being restocked for D.O.T. use.
BIN SEGREGATION AND DEGRADATION SOLUTION

DON’T EMPTY THE BIN WHILE IN THE PROCESS OF SHIPPING. LEAVING MATERIAL IN THE BIN BREAKS THE FALL. ROCK ON ROCK DOESN’T BREAK AS BAD AS ROCK ON METAL. IT ALSO INTERRUPTS AND DISTORTS THE SEGREGATION CYCLE.

DO LEAVE THE BIN 1/4 OR MORE FULL, PREFERABLY 1/3

DON’T
EMPTY IT!
G.A.B. STOCKPILE PUSHING METHODS

DON’T FAN OUT WHILE PUSHING A G.A.B. CONE

DO PUSH THE ENTIRE G.A.B. CONE IN ONE DIRECTION ONLY
RADIAL STACKER LOADOUT AND RESTOCKING

IT IS GENERALLY ACCEPTABLE TO LOAD OUT MATERIALS (OTHER THAN G.A.B.) FROM THE ENDS OF RADIAL STACKER STOCKPILES. THIS IS PROVIDED THE HEIGHT OF THE STOCKPILE IS CONTROLLED. A MAXIMUM HEIGHT OF 15 FEET IS USUALLY ACCEPTABLE.

DON'T LOAD OUT OR RESTOCK FROM HERE. NEVER LOAD FROM CURRENT PRODUCTION.

DO LOAD OUT OR RESTOCK FROM HERE, THE INACTIVE END
RESTOCKING TIP

MOVE THE CONE FREQUENTLY AND CONTINUOUSLY

THE SMALLER THIS IS                    THE BETTER THIS IS

THE CONE CAN BECOME SO SEGREGATED THAT IT SIMPLY CANNOT BE RECLAIMED WITHIN SPECIFICATIONS. THIS IS PARTICULARLY TRUE WITH CLEAN STONE BECAUSE YOU CAN’T RAMP ON THE MATERIAL TO MIX LAYERS. IF YOU STOCKPILE FIVE LOADS THAT FAIL (TOO COARSE), YOU WILL SHIP FIVE LOADS THAT FAIL (TOO COARSE).
SIMULTANEOUS CONSTRUCTION AND LOADOUT OF STOCKPILES

TOP VIEW OF STOCKPILE

OR

TOP VIEW OF STOCKPILE
IMPROPER STOCKPILE CONSTRUCTION

IF AN ENTIRE STOCKPILE IS ALLOWED TO BE BUILT BY RAMPING ONTO IT AND DUMPING EACH LOAD OVER THE END...

IT WILL SEGREGATE TO ITS FULLEST EXTENT...

THE LARGER THE STOCKPILE BECOMES, THE WORSE THE PROBLEM IS.
G.A.B. ASPHALTIC MATERIALS

AFTER PLACING EACH LIFT, FLATTEN THE TOP SO THAT THE NEXT LIFT CAN BE CARRIED ONTO THE STOCKPILE. THE RAMP SHOULD BE NO LONGER THAN NECESSARY TO GET ONTO THE STOCKPILE. DURING THE PLACEMENT OF EACH LIFT, CARE SHOULD BE TAKEN NOT TO DUMP OR PUSH MATERIAL OVER THE EDGE OF THE UNDERLYING LIFT. ALWAYS STOP JUST SHORT OF THE EDGE.

DO LEAVE TERRACES; DON’T LET ROCK ROLL OVER EDGES OF UNDERLYING LAYERS.

EACH LAYER SHOULD BE THE SAME THICKNESS ALL ACROSS THE STOCKPILE. THE COMPLETED STOCKPILE SHOULD BE RELATIVELY FLAT, NOT WEDGE-SHAPED IN APPEARANCE.
IMPROPER LOADOUT METHODS

DON'T PULL THE BIN EMPTY

DON'T LOAD FROM UNDER THE BELT

DON'T DUMP OVER THE SIDE OR THE END OF A STOCKPILE

DON'T DUMP PRODUCTION IN FRONT OF THE LOADING FACE

DON'T PUSH OVER THE LOADING FACE DURING ACTIVE USE
WHERE TO PUT PRODUCTION

DUMPING PRODUCTION IN FRONT OF THE LOADING FACE IS NO DIFFERENT THAN LOADING FROM UNDER THE BELT.
LOAD OUT FROM STOCKPILES

DON’T CONTAMINATE YOUR MATERIAL
BY DIGGING INTO THE MAT WHILE LOADING.

DO KEEP THE BUCKET UP AND MAKE SURE
THE BUCKET IS CLEANED OUT WHEN SWAPPING
FROM ONE SIZE TO ANOTHER.

DO CHECK THE TRUCK BEDS -
IT ISN’T YOUR FAULT IF THE BED IS HALF FULL OF DIRT,
BUT WHO WILL SUFFER THE CONSEQUENCES AFTER IT
IS DELIVERED? IS YOUR CUSTOMER GOING TO PAY FOR IT?
IS THE TRUCK DRIVER?
RADIAL STACKER STOCKPILE LOADOUT TIPS

DON'T
LOAD FROM CURRENT PRODUCTION

DO
LOAD FROM THE INACTIVE END ONLY

DON'T
LOAD FROM A STOCKPILE THAT IS TOO HIGH - MAXIMUM HEIGHT = 15 FEET

DO
KEEP THE STOCKPILE SMALL ENOUGH THAT A REPRESENTATIVE PROPORTION OF ALL OF IT CAN BE PUT ON EACH LOAD

DON'T
LEAVE THE TOES TO BE LOADED OUT BY THEMSELVES

DO
KEEP THEM CLEANED UP AS YOU GO
STOCKPILING CLEAN STONE WITH A LOADER

DON’T STOCKPILE ON A MAT OF LARGER SIZE STONE OR DIRTY MATERIAL

DO STOCKPILE ON A CLEAN MAT, PREFERABLY OF THE SAME SIZE MATERIAL

DON’T LET MATERIAL ROLL FROM THE TOP TO THE BOTTOM OF THE STOCKPILE

DO LEAVE A SLIGHT TERRACE AT THE END TO STOP MATERIAL FROM ROLLING

DO PLACE FIRST PILE ON BOTTOM AND SECOND ON TOP, AND STACK AS HIGH AS THE LOADER CAN REACH WITHOUT TRAVELING OVER THE STOCKPILE

DON’T CONE THE STOCKPILE UP
CONSTRUCTING LARGE STOCKPILES OF CLEAN AGGREGATES

DO CONSTRUCT THE STOCKPILE USING MULTIPLE LIFTS OF RELATIVELY UNIFORM THICKNESS, STOPPING JUST SHORT OF THE EDGE OF THE PREVIOUS LIFT.
BIN CONTAMINATION

THE MOST COMMON CONTAMINATIONS THAT OCCUR IN BINS ARE:

A) OVERSIZE THAT HANGS IN THE BINS  
B) OVERSIZE THAT HANGS IN THE CHUTES  
C) OVERSIZE THAT BOUNCES FROM SCREENS OR CONVEYORS  
D) FINES AND DIRTY WATER THAT STICK TO CONVEYORS AND DRIBBLES OFF ONTO OTHER AGGREGATES

CONTAMINATION FROM FINES IS TYPICALLY INSIGNIFICANT WHEN MATERIALS ARE STEADILY BEING LOADED OUT.

CONTAMINATION BECOMES A PROBLEM WHEN A PARTICULAR BIN IS SUBJECTED TO IT FOR TOO LONG – INSPECT DAILY FOR FINES AND OVERSIZE.

BE SURE TO INFORM THE SUPERVISOR OF WHAT YOU ARE OBSERVING – THERE MAY BE SOMETHING HE/SHE CAN DO TO MINIMIZE THIS TYPE OF CONTAMINATION.

THERE IS NOTHING UNIQUE ABOUT THIS; IT HAPPENS ALL THE TIME. THE MAIN POINT HERE IS TO LOOK AT IT.

BIN OPERATORS SHOULD ALSO CHECK TRUCK BEDS FOR CONTAMINATION PRIOR TO LOADING.