

EMPTYING A TAR BUGGY AT THE CLASSIFIER

CHECK	ACTION STEPS (all caps)	COMMENTS (below steps)
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- _____ 1. CHECK LEVEL IN CLASSIFIER.
- Level must be less than 75% in order to put tar buggy material in the bay.
- _____ 2. CONNECT GROUNDING CABLE TO TAR BUGGY FRAME, AND CHECK INTEGRITY OF CABLE.
- _____ 3. REMOVE PLUG FROM 2" HAMMER UNION TAR BUGGY, CONNECT HOSE, AND CLOSE BLEEDS ON TRANSFER LINE AT WEST END OF MAIN BAY.
- Use brass mall (hammer) on hammer union to avoid sparks.
- _____ 4. ADD WATER TO VENT SEAL POT AND OPEN WATER TO VENT SCRUBBER.
- Also visually check the lip seal for water. If there isn't at least 6", it is possible to blow classifier material out of lip seal causing an environmental release. Add water to lip seal if necessary. Rotameter on vent scrubber max. flow is 2.8 gpm, set at 90%.
- _____ 5. CONNECT 15 PSIG NITROGEN TO BUGGY. CHECK PRESSURE ON TAR BUGGY PRIOR TO OPENING NITROGEN BLOCK VALVES.
- Connecting 90 psig nitrogen is not allowed.
This causes the pressure in the classifier to build up, forcing material to be blown out of the lip seal or dip legs. The result is a geyser that could splash the operator and cause an environmental spill.
- _____ 6. CONNECT AIR TO VIBRATOR ON BUGGY AND TURN ON AIR TO VIBRATOR WHILE UNLOADING.
- The vibrator emits about 100 db so hearing protection is required for anyone standing within 30' of the buggy.

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MAKE SURE 6" BLOCK VALVE IS ALSO FULLY OPENED.

Since introducing organics into the classifier creates vapors, the 2" valve should be cracked open at first. If the scrubber stack appears to be properly venting (no vapor coming out of the seals), open the valve about 30%, then to 50% as the pressure in the buggy decreases. Do not open the valve all the way. Also, watch the level in the lip seal, since it tends to breathe during this step. Use half face respirator for this step.

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8. WHEN PRESSURE GAUGE READS ZERO, SWEEP BUGGY WITH NITROGEN FROM 15 PSIG REGULATED DROP.

Pressurize buggy to 15 psig, then block nitrogen and open valve slowly to classifier. Use half face respirator for this step.

9. WHEN TAR BUGGY IS EMPTY, BLOCK OFF NITROGEN AND AIR TO THE VIBRATOR. BLEED AIR AND NITROGEN DOWN PROPERLY AND DISCONNECT HOSES.

Use half face respirator for this step.

10. BLOCK 2" AND 6" VALVES AT THE BUGGY AND 6" VALVE AT CLASSIFIER, AND OPEN TOP BLEED AT CLASSIFIER.

Use half face respirator for this step.

11. DISCONNECT ALL HOSES AND GROUNDING CABLE LAST, AND REPLACE 2" HAMMER UNION PLUG ON TAR BUGGY.

Roll up all hoses and grounding cable. Wash down the pad area using a minimum amount of water. Use half face respirator for this step.

12. RECHECK LEVEL IN CLASSIFIER AFTER EMPTYING.

Record in logbook the level before and after, and the time emptied.

13. INFORM LEAD OPERATOR THAT BUGGY IS READY TO BE PICKED UP.

Lead operator notifies maintenance (mule driver) or shift superintendant that tar buggy can be picked up for return to owner. Buggies should be emptied as soon as possible so they can be emptied safely and not in a rush.

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