

143

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From: A.R. BEHNKE

TRAY CONVEYOR TUNNEL EXHAUST SITUATION

Data (attached) continues to show both trayout and at least one tray conveyor location very high (4-12X provisional AEL). As a minimum precaution, advise having people wear the Comfo-II respirator inside the tunnel itself until the exhaust fan/duct work is tied in by Construction and we have 5 sets of data showing we've back down to the July nominal conveyor level of 0.26mPPB (may need to have Runion set out pump over weekend + have Lab run tests over weekend).

I consider this C-8 situation as serious as the #2 PK drive here failure. Construction overtime is justified to fabricate and install the exhaust ductwork.

Currently, Construction is fabricating 20" x 20" ductwork to tie in the 2 Roof ventilating fans as suggested by Deem + Holte. They are 2700 CFM, 1/2" SP units and should improve the situation, especially as the C-8 appears to be building up with stagnant air conditions in the tunnel. I'm concerned that the fans

AP003578

2 of 3

discharge at roof level but if we can get the tunnel level back to normal, this may not hurt us too badly. I will contact vendor on feasibility of building exhaust stacks (~6-10 ft. high) off the fans today.

We need the following help from various work groups to get fans operational:

- Get North Roof Ventilator Fan operating as it is the key unit in plan due to its physical location at the end of the tunnel to allow for a good air sweep - Electrical - overloading.
- Bearing Block needs to be repaired on Air Lock Exhaust Blower - Mechanical ERO
- Starter for Air Lock Exhaust Blower may have been D+R'D. Need CSE/Electrical help to get a new starter.

Fernandez and I have roughly calculated the type of Fan required for this enclosure and it would be in the 5000-8000 cfm range with at 2-3" static pressure. We will be contacting Buffalo Forge today to see if they have an on-the-shelf unit in their Belted Vent Set series available. This unit could also be used longer term as the exhaust fan for the Tray Conveyor enclosure.

ALP003579

3 of 3

once the door design is acceptable to Production.
We could set this unit on the roof on either
timber or a quick curing concrete pad. We would
then run its exhaust stack up the steel
supporting the Oven Exhaust stacks.

I will continue checking on-plant to see
if a nominal 6500 CFM Fan is available anywhere.

What is the status on the Trayout COD?
We need more vacuum at Trayout based on the
data we have.

I believe we should goal to have the
2 Roof Ventilator Exhaust Fans operational and
tied in to the Tunnel enclosure with 20x20 exhaust
ducts not later than 4 PM Thursday, 8/27/01. The
Air Lock Exhaust Fan should be operational and tied
in not later than 4 PM Friday 8/28/01. If this
timing cannot be met or equipment made operational,
then we'd better consider getting a couple of Coppos
blowers to exhaust the tunnel ^{for} over the weekend operation.

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