SOUTH PRODUCTION NOTES

December 5, 2013
Midnight Shift

BASF EMPLOYEES
154 Last Recordable
173 Last Lost Time

Alumina Gel and building 9 are regulated areas due to Vanadium

#1 MED A-520: **Trial is done. Need cleaning instructions for next product (Al-5637). DO NOT THROW AWAY THE INSERTS FROM THE DIE PLATE>>>SAVE IT, AS IS!**

#1 RC / A-520: **The lab has the comp samples of drums 1-16 in plastic jars. The last drum of material was fed.**

Exhaust to Trimer

Day shift: Need cleaning instructions from Bodmann. Request from Justin at 3:00 pm – We got a comp sample from each pallet of this material off of the calciner (a little bit from each drum / pallet) and is in lab.
Afternoon shift: No change.
Midnight shift: All material has been fed.

#2 MED line/ D-0768: **On hold. ANY WET MIX GENERATED NEEDS TO BE ADDED BACK INTO THE MIXER. NOTE: there are 5 bags on the floor that need to be inspected and hand screened.**
Day shift: On hold until we can clear the floor of bags.
Afternoon shift: No change.
Midnight Shift Update: Did not run the line – too many bags and calciner not running yet.

#2 RC/ D-0768: **The calciner was re-lit at 1pm Wednesday. Begin feeding when we reach temps.**
Day shift: We are bringing temperatures up -1pm..
Afternoon shift: Calciner was lit. Feeding late on 2nd shift.
Midnight Shift Update: Calciner shut down to allow maintenance to repair leaky gear box. Work notification written (933779801). We will run until part is delivered.

Exhaust to CTO for NOx control

#3 MED line / D-1794 NAQ: **Continue running. Line was started on afternoon shift.**
Day shift: Found 1000 pounds of Zeolite.
Afternoon shift: Continuing on. Enough zeolite for about 10 more batches.
Midnight shift Update: Line running. Located additional Siral 30 but unable to locate additional Zeolite (CVT 760).

#3 RC / D-1794 NAQ: **Begin feeding calciner on midnight shift.**
Exhaust to CTO
Day shift: Building feed.
Afternoon shift: Calciner ready to begin feedingon midnight shift. Manpower issues on afternoon shift.
Midnight Shift Update: Building up feed before starting the calciner. REMEMBER to bring CTO ONLINE before starting to feed.

Abbe Blender / D-5206: **Continue to run when possible (around contractor shifts).**
Afternoon shift: Ran 2nd half of shift.
Midnight Shift Update: Continued to run. Unable to determine if hanger that holds up the overhead line was repaired (933777904).
Day Shift: down-contractors working.

National Dryer / 5206 : **Continue to feed as batches come from the Abbe. Had issues with the dryer at low temp…working on this later day shift/afternoon shift Tuesday.**
Day shift: Fuse replaced today.
Afternoon shift: 2 batches made on 2nd shift. Will need fed on midnight shift.
Midnight Shift Update: Buggy dumper stopped working. Likely due to blown fuse – work notification written to have maintenance replace it - 933780378.

#4 RC / D-5206: **On hold. Building feed.**
Exhaust to 4 DC
Day shift: On hold, still building feed/bringing temperatures back up-contractor worked on earlier.
Afternoon shift: Maintenance working on late on 2nd shift.
Midnight Shift Update: On hold; still building feed.

HC-11 Tanks / clean for Cu 5020: **Need to tote off the remaining solution in tank 6 and get the tanks ready for Cu 5020 ASAP.**
Afternoon shift: Tank 107 was drained.
Midnight Shift Update: Solution was transferred to tank 6.
Day Shift: no change

PK Blender / 1520: Need to clean on midnight shift so repairs can be made on Thursday morning.
Day shift: Current solution batch (103) will be last one. When we get down to the last PK batch to be made using this solution, contact John Bodmann for instructions. Do not make any batches into early Thursday morning…PK will need to be cleaned.
Afternoon shift: Last batches made on midnight shift.
Midnight Shift Update: There are additional bags of 7005 material inside trailer in dock #3.

#5 RC / 1520: Calciner is running. Keep in mind that this is a regulated area. Wear your respirators – Vanadium. There is a drum on the 1st floor of building 31 on a mixed pallet by the nitric acid tank that can be repacked with the other material in drums and be fed.

Exhaust to Trimer

Day shift: Continue. NOTE: several bags of older material (and 8 drums of 1520) were brought to the calciner for refeeding. Confirm with John Bodmann which of the bags are ready to feed. Drums of 1520 will need to be repacked.
Afternoon shift: Continued to run.
Midnight Shift Update: Continued to run without issues.

New Pfaudler / BE-0101: We have approval to use DI water/RO unit still down..
Day shift: We have approval to use DI water/RO unit still down..
Afternoon shift: 2 batches were made on 2nd shift. The 2nd can be put on full steam at 11pm and unloaded at 11:30.
Midnight Shift Update: Third batch was dropped on midnight shift.

Old Pfaudler D-0756: If #6 RC is running continue to make batches.. Batches have started.
Day shift: Second batch made Tuesday morning, all material in buggies waiting for #6 calciner to be lit/stay lit.
Afternoon shift: No change. Waiting for #6 to start feeding. Should start on midnight shift.
Midnight shift Update: No update s we did not make a batch.

#6 - RC / D-0756: Calciner was lit on afternoon shift. When we get up to temperature we need to begin feeding.

Exhaust to Sly Scrubber

Day shift:
Afternoon shift: Calciner was lit and temps are coming up. Should be able to feed on midnight shift.

Midnight Shift Update: Calciner has kicked out at least three times. Unable to keep it lit. Work notification written to have electrician assist - 933780383.

<u>Tower 3 / Cu-0860:</u> Loaded and running .
Day shift: Will come down early Thursday morning.
Afternoon shift: No Change.
Midnight Shift Update: Loaded and running

<u>Tower 6 / Cu-0860:</u> Tower unloaded, waiting to reload after hydraulic pump repaired (see midnight notes).
Day shift: No change.
Afternoon shift: No change.
Midnight Shift Update: On hold until maintenance receives and installs broken hydraulic hose.

<u>Harrop Kiln - Al-3921 T 3/16”</u>: Continue running. The automatic pusher at the cool down zone in the Kiln still not working. It appears as if the clutch is disengaging while pushing carts. Work notification written for one of the blowers on the kiln (#5 blower stopped working). Still operable, but maintenance needs to see Tower operator for more information.
Day shift: Continue on.
Afternoonshift: Continued on.
Midnight Shift Update: Continuing to run.

<u>North Screener / Cu-0860:</u> Continue on.
Day shift: continue…we have around 14 totes as of end of day shift to screen.
Afternoon shift: ran on 2nd half of shift.(manpower)
Midnight Shift Update: Still running.

<u>South Screener /Cu-0860</u>: Advised by engineer to set up south screener for Cu-0860.
Day shift: Continued to run.
Afternoon shift: ran on 2nd half of shift.(manpower)
Midnight Shift Update: Still running.

<u>#2662 Pill Machine / Al-3917 3/16:</u> Finished. Holding for decision whether to switch to 3915.

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Day shift: Hold…no change.
Afternoon shift: No change.
Midnight Shift Update: No change.

<u>Tunnel Kiln #2 / Al-3921:</u> Continue unloading.
Day shift: Instructions from Justin Quach to NOT load any more bags into TK#2 (finish emptying the hopper). Continue unloading.
Afternoon shift: Unloading. Will probably empty half way through midnight shift.
Midnight Shift Update: We will only load the remaining material in the hopper then we will start unloading only.

<u>Tunnel Kiln #4 / BE-0101:</u> Just loading until we hear back from the lab. Will also need to "steal" the Sweco screener from #2 kiln…sometime on 1st shift.
Day shift: Continue loading. We will use sceener from #2 TK when finished/different size fines screen.
Afternoon shift: Continued on.
Midnight Shift Update: We will begn loading TK4 once we have material available. Screener still sitting by the Kiln but appears to need some additional work before installing.