SOUTH PRODUCTION NOTES

December 6, 2013
Morning Shift

BASF EMPLOYEES
155 Last Recordable
174 Last Lost Time

Alumina Gel and building 9 are regulated areas due to Vanadium

#1 MED A-520: **Trial is done. Start cleaning line per the 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: Clean up instructions are in GL office.
Afternoon shift: Received cleaning instructions - scheduling start of clean-up on first part of midnight shift.
Midnight shift: Mixer and bin vent have been cleaned. Continue cleaning as called out on the clean up sheet.

#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. First attempt to screen-out the D-1795 scattered material in the D-0768 bags did not go well. Will discuss further with Bill Grodecki to develop a more efficient method to screen-out the 1795 stuff. Also, need to discuss when to restart line as dried bags are being consumed in the calciner hopper. Discuss at morning meeting.**
Day Shift: No change.
Afternoon shift: No MED activity…looking to restart possibly on Friday if enough bags are calcined and out of the way. Need to discuss in morning meeting.
Midnight Shift Update: Did not run the line – too many bags and calciner not running yet.

#2 RC/ D-0768: **The calciner is running.**
Day shift: Continue
Afternoon shift: Continue on.
Midnight Shift Update: Running the calciner until the spare gear box arrives. Continue to keep an eye on the gearbox oil level. We will run until part is delivered.

Exhaust to CTO for NOx control

#3 MED line / D-1794 NAQ: **Continue running.**
Day shift: Continuing on. Trailer of zeolite is here .
Afternoon shift: Continue on
Midnight shift Update: Continuing on.

#3 RC / D-1794 NAQ: **Continue. We are direct-feeding as much as possible to reduce the number of bags on the floor.**

Exhaust to CTO for NOx control

Day shift: Continued.
Afternoon shift: Continue on
Midnight Shift Update: Continuing on.

Abbe Blender / D-5206: **Continue to run when possible (around contractor shifts).**
Day shift: Down/Contractors.
Afternoon shift: Continue on (repairs to drain line hangers were confirmed completed). Running OK (drainage is taking a bit longer than usual, but still draining well).
Midnight Shift Update: Continued to run.

National Dryer / 5206 : **Continue to feed as batches come from the Abbe.**
Day shift: Continue as material is available.
Afternoon shift: Continue on
Midnight Shift Update: Will feed as material is available.

#4 RC / D-5206: **On hold. Building feed. Calciner is down for contractor work on Friday.**

Exhaust to 4 DC

Day shift: Temperatures are coming down for contractor work on Friday morning.
Afternoon shift: No change, calciner down for contractor work Friday
Midnight Shift Update: Calciner down – contractor work on Friday morning.

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. TANK UPDATE: 6 tnak solution toted off; 4 tank rinse transferred to 6 tank for recycle/heating/cleaning; 107 tank rinse water slowly draining to WWTP. Will need to have engineer re-inspect tanks in the morning Friday to confirm readiness for 5020.**
Day shift: Contractors were in the way so Tank 6 still needs to be emptied and put in B-9.

Afternoon shift: 1520 solution in 6 tank toted-off and solution sent to building 9 for 1520 batches (when PK is ready). Currently rinsing 6 tank with acid wash from 4 tank rinsings. 107 tank draining to WWTP. Please have engineer confirm cleanliness of tanks on Friday so we can be ready for 5020 strikes.
Midnight Shift Update: Tank 107 is empty. Need to empty Tank 6.

PK Blender / 1520: Currently down for repairs. Should be ready to restart by this weekend. NOTE: when restarting, please continue loading into 111 bags for direct shipment to PPT (as we were doing before shutting the PK down).
Day shift: Contractor is repairing the liner in the PK.
Afternoon shift: Down until repairs done.
Midnight Shift Update: Repaired inner layer on PK curing. Need to determine when it will be ready to go.

#5 RC / 1520: Calciner is running. Keep in mind that this is a regulated area. Wear your respirators – Vanadium. Several bags of older material (and 8 drums of 1520). Were brought to the calciner. Confirm with John Bodmann which of the bags are ready to feed. Drums of 1520 will need to be repacked.
Exhaust to Trimer
Day shift: Continued to run. 24 bags to feed and 4 contaminated bags.
Afternoon shift: Continue on
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: Batch was made. Work order is in to repair RO unit.
Afternoon shift: Batch from day shift dropped. Do not make any more batches until we are down to 2-3 bags at the kiln. As of 9:30 pm Thursday there are 6 bags at the kiln.
Midnight Shift Update: No change.

Old Pfaudler D-0756: If #6 RC is running continue to make batches.. Batches have started.
Day shift: Calciner was lit this morning but kicked out again at 1:30pm. G Menz was notified and will try to get Elliott in to repair.
Afternoon shift: Kiln appears to be OK but dryer will not light. Pavelschak and Fern working on this. As of 9:30 pm, all but 1 buggy full and batches are in the hopper andthe pfaudler.
Midnight shift Update: Will not run until dryer and Sly scrubber issues are addressed.

#6 - RC / D-0756: Calciner will not stay lit. When we get up to temperature we need to begin feeding.
Exhaust to Sly Scrubber

Afternoon shift: Elliot worked on calciner and it seems OK, but dryer will not light (will not progress through start-up sequence).
Midnight Shift Update: Sky scrubber belts are too loose and after attempt to tighten them they still slip on pulley. The scrubber has been shut down. Both Dryer and calciner continue to provide us with grief. Maintenance unable to get it going.

Tower 3 / Cu-0860: Unloaded and reloaded, but on hold (repairs/replacement of hydrogen control valve Friday)
Day shift: Will come down on Afternoon shift.
Afternoon shift: Unloaded/reloaded and on hold for hydrogen control valve (Friday).
Midnight Shift Update: No changes from afternoon note.

Tower 6 / E-406: Tower was loaded with E-406. Had issue lighting jacket burner – work notification was written but operator got it lit. OK for now.
Day shift: Waiting on G Grodecki instructions.
Afternoon shift: Unloaded Cu-0860, reloaded with E-406 and running.
Midnight Shift Update: Running.

Harrop Kiln - Al-3921 T 3/16": 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). NOTE: make sure we are using 45" pallets for the bags coming off of the kiln.
Day shift: Continued.
Afternoon shift: Had issue with broken switch on chain puller. Maintenance working on this late afternoon shift.
Midnight Shift Update: Continuing to run.

North Screener / Cu-0860: Continue on.
Day shift: ran on 2nd half of shift.(manpower)
Afternoon shift: Continue. Screener operator assisted with both tower loads
Midnight Shift Update: Running.

South Screener /Cu-0860: Advised by engineer to set up south screener for Cu-0860.
Day shift: Ran on 2nd half of shift.(manpower)
Afternoon shift: Continue. Screener operator assisted with both tower loads
Midnight Shift Update: Running.

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

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Day shift: No change.

Afternoon shift: No change
Midnight Shift Update: No change.

<u>Tunnel Kiln #2 / Al-3921:</u> Continue unloading.
Day shift: Finished unloading. Setting sceener up on TK-4 from TK-2.
Afternoon shift: Bringing temps down per phone instructions from Justin Quach.
Midnight Shift Update: Temps coming down. Keep an eye on it until we can shut off.

<u>Tunnel Kiln #4 / BE-0101:</u> Continue loading/unloading
Day shift: Continued on. . Setting sceener up on TK-4. Will fill saggers with one scoop/approx. 12 pounds per N Trent.
Afternoon shift: Continue on. Day shift load from new pfaudler brought to kiln. Currently have 6 bags to feed…no batches scheduled on new pfaudler for next couple of shifts.
Midnight Shift Update: No change from previous shift. Running and screening.

Additional Notes:

Please pull lot EL00237 of Cu-0860 ERL from storage and stage. Collect about a 16 oz sample from one drum of each pallet and make three-16 oz composite samples for the lab. Thank you.