SOUTH PRODUCTION NOTES

December 4, 2013
Midnight Shift

BASF EMPLOYEES
153 Last Recordable
172 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: We need to get pallet comp samples of drums 1-16 in plastic jars. The last drum of material was fed towards the end of afternoon shift.

Exhaust to Trimer

Midnight shift: Calciner is empty but might need to be reversed. All inserts have been collected and are on top of Mike's desk.
Day shift: Finish drumming off the bags fed into the hopper (see above). Need cleaning instructions from Bodmann. Request from Justin at 3:00 pm – get a comp sample from each pallet of this material off of the calciner (a little bit from each drum / pallet) and get to lab.
Afternoon shift: Continued to run. The last drum was fed late on afternoon shift.

#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.
Midnight Shift Update: Did not run the line – too many bags and calciner not running yet.
Day shift: On hold until we can clear the floor of bags.
Afternoon shift: Still on hold.

#2 RC/ D-0768: The calciner was lit on afternoon shift. Begin feeding when we reach temps.
Midnight Shift Update: Scheduled personnel to clean and re-install screener.
Day shift: Issues with screener (oversize hose being replaced). This was completed but a smaller hose was installed. Will need to watch this to ensure it won't back up. Also, waiting for calciner to light/stay lit. Electrician working on this.
Afternoon shift: Calciner was lit. Waiting for temps to come up.

Exhaust to CTO for NOx control

Tank 7 / Empty and Clean: **Tank is rinsed and toted off.**
Midnight Shift: No change.
Afternoon shift: No change.
#3 MED line / D-1794 NAQ: Continue running. Line was started on afternoon shift.
Midnight shift Update: Currently emptying the mixer (which was full) and rough cleaning the dryer as instructed. Powder room set up: no zeolite and no Siral 30 on site.
Day shift: Finish cleaning dryer and get ready to start Tuesday. Powder room is ready. If dryer lights, start running.
Afternoon shift: Began running on afternoon shift.
#3 RC / D-1794 NAQ: Bring calciner temps up and hold until we build up a few bags.
Exhaust to CTO
Midnight Shift Update: Calciner was placed in auto shut down and it is now coming down in temps.
Day shift: Calciner was PM'd and relit. Hold until 1794 dried material is made and can be fed.
Afternoon shift: Bringing up temps.

Abbe Blender / D-5206: Continue to run when possible (around contractor shifts).
Midnight Shift Update: Continued to run. Over head drain line shakes up fairly violently during intitial drain to the point where the hardware (hanger) that holds up the pipe in a section of it fell off – work notification in to replace (933777904).
Day shift: Down (contractors). Plan to run afternoon shift. NOTE: a second tote of Hf was found in warehouse (C-14).
Afternoon shift: ran batches the 2nd half of the shift.

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.
Midnight Shift Update: All wet material just about pushed through. Abbe will not run on first shift – contractors.
Day shift: Dryer temps were too low, work notification was written for electrician. Please follow-up and make sure dryer temp is OK before feeding.

#4 RC / D-5206: On hold. Building feed.
Exhaust to 4 DC
Midnight Shift Update: On hold; still building feed. All of the 5206 material that came off the calciner has been closed and placed in one of the Kealy trailers at the Gen Cat docks.
Day shift: On hold, still building feed.

HC-11 Tanks / 1520: Batch 103 solution was made in 4 tank on Monday and approved by lab/transferred to 6 tank. DO NOT make another tank…we will run out what was

made and put into 6 tank. Be sure to contact John Bodmann BEFORE making the last PK batch from the solution in 6 tank…adjustment might be needed.
Midnight Shift Update: Waiting for lab results on batch 103 in T-4.
Day shift: Instructions are to run out the solution in 6 tank by Wednesday evening. Do not make another tank.

PK Blender / 1520: **Planning to run through Wednesday, then need down Wednesday night for thorough cleaning (inspection/repairs planned for Thursday). MUST BE DE-REGULATED FOR THE REPAIRS – HAS TO BE VERY CLEAN.**
Midnight Shift Update: Additional bags of 7005 material found in dock #3. Material has been moved into building 9.
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

#5 RC / 1520: **Calciner is running. Keep in mind that this is a regulated area. Wear your respirators – Vanadium.**
Exhaust to Trimer
Midnight Shift Update: Continued to run without issues.
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.

New Pfaudler / Cleaned for BE-0101: **The first 2 batches were made Saturday. Lab results were returned and approval to continue given and confirmed Tuesday. Keep making batches.**
Midnight Shift Update: No changes.
Day shift: Per approval from lab and engineer, restart batches on Tuesday afternoon.

Old Pfaudler D-0756: **The raws should be in dock #3. Batches have started.**
Midnight shift Update: Began and completed the first impregnation. Material is in buggies.
Day shift: Second batch made Tuesday morning, all material in buggies waiting for #6 calciner to be lit/stay lit.

#6 DRYER - RC / D-0756: **Trying to light dryer. Start feeding when up to temp and ready.**
Exhaust to Sly Scrubber
Midnight Shift Update: Dryer has been closed and the screener has been put together with the 2 mesh oversize. Buggies have been labeled.

Day shift: Trying to keep calciner lit…electricians working on it. May need Eliott to inspect/adjust burners.

Tower 3 / Cu-0860: Loaded and running .
Midnight Shift Update: Loaded and running
Day shift: Continue.

Tower 6 / Cu-0860: Tower unloaded, waiting to reload after hydraulic pump repaired (see midnight notes).
Midnight Shift Update: Tower was unloaded but were not able to load next towerload. The Hydraulic pump that controls the comb inside the tower (holds the material up) stopped working and will not close. Work notification written – 933777903.
Day shift: Still waiting to reload, hydraulic hose had to be ordered. Earliest delivery for hose will be Wednesday per Greg Menz.

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). Still operable, but maintenance needs to see Tower operator for more information.
Midnight Shift Update: Continuing to run. A work order was written to have the secondary coupler for the drive unit tightened up. (This was repaired Monday morning).
Day shift: Continue on. Had issues again with car mover, but operator found a loose switch and now OK.

North Screener / Cu-0860: Continue on.
Midnight Shift Update: Still running.
Day shift: continue…we have around 16 totes as of end of day shift to screen.

South Screener /Cu-0860: Advised by engineer to set up south screener for Cu-0860.
Midnight Shift Update: Continuing to take apart.
Day shift: Completed south screener change over for Cu-0860. Screen as personnel available.

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

#2664 Pill Machine / Al-3917 3/16: Finished. Holding for decision whether to switch to 3915.
Midnight Shift Update: No change.
Day shift: Hold…no change.

Tunnel Kiln #2 / Al-3921: Continue feeding.
Midnight Shift Update: Continuing to run.

Day shift: Instructions from Justin Quach to NOT load any more bags into TK#2 (finish emptying the hopper). Continue unloading.

<u>Tunnel Kiln #4 / BE-0101:</u> Just unloading until we hear back from the lab. Will also need to "steal" the Sweco screener from #2 kiln…to be determined when this will occur.

Midnight Shift Update: Continuing to unload.

Day shift: Continue unloading. Approval given from lab and engineer to continue with batches in new pfaudler. Additional screener was located and should be installed and ready by Wednesday (confirm this with Chuck Evans on Wednesday).