

QUESTIONS: STEP 1

1. Before you go on top of the battery, what should you do?

Talk to your supervisor

2. When you first go to the top of the coke battery, what is the first thing you are responsible for doing?

checking the steam

MAKE SURE IT IS OFF

3. How do you shut off the steam which flows into the coke ovens?

manipulate the valve

PULL UP

4. With the ball valve, in which direction (up or flat) will the steam valve handle point when the steam is on or flowing?

~~UP~~

FLAT/HORIZONTAL

QUESTIONS: STEP 2

1. In which direction (toward you or away from you) do you move the damper arm? *Toward You*
2. How (with which tool) do you move the damper arm? *Lidman Bar*
3. In which direction do you push the riser cap? *up*
4. How far up should you push the riser cap? *As far as possible*
5. Where do you place or put the side steam pipe or blow pipe? *Stump pipe*
6. When you are getting ready to inspect the oven lids and charging hole, in which direction (up or down) should the nozzle of the side steam pipe be pointing? *Up*
7. Why should the nozzle of the side steam pipe or blow pipe be pointing in the "up" position? *To pull heat/flame away from charging hole*
8. Why do you hit the oven lids with the lidman's bar? *To tip them loose*
9. How do you remove the oven lid? *Lidman Bar*
10. When you pull the oven lids off, should the wind be blowing in your face or at your back? *BACK*
11. Why should you stand so that the wind is at your back? *To blow heat/flame away from you*
12. What should you do if you see that an oven lid has excess carbon buildup? *Look w/ chipping Bar*
13. What should you do if you see that an oven lid is cracked? *Tell Supervisor for Replacement*
14. What are you looking for when you look into the oven charging hole? *CARBON EXCESS BUILDUP*

QUESTIONS: STEP 2 (Continued)

15. What does excess carbon buildup do? Why is it important to look for excess carbon buildup?

Restricts charging

16. What do you do if you see excess carbon buildup?

Remove w/ bar or tool

17. When do you or why do you use a chipping gun?

If chipping bar is not enough

18. How many lids should you replace before going to the next step?

3

19. Who should tell you which lids to replace?

Supervisor

QUESTIONS: STEP 3

1. When checking goosenecks, what do you do with the side steam pipe?
insert upside down into steam pipe
2. Should the hole in the side steam pipe be in the "up" or the "down" position?
DOWN
3. How do you turn the side steam valve to the "on" position?
MANIPULATE VALVE
4. When should you energize or turn on the steam for the side steam pipe?
WHEN SIDE STEAM PIPE IS IN STEAM PIPE
5. What will the steam which comes through the side steam pipe do?
BLOW FLAMES OUT OF OPEN LID
6. What's the purpose of or why do you use the 12" disc?
TO CLEAN GOOSENECK TO CHECK/INSPECT
7. Where does the 12" disc go? Where should the 12" disc be placed?
IN GOOSENECK ROTATE
8. How many times should you insert, rotate, and pull out the 12" disc from each gooseneck?
3 TIMES
9. Why does a lidman stand on a stool when using or inserting the 12" disc into the gooseneck?
TO REACH MORE EASILY
10. If you cannot get the disc to go all the way into the gooseneck, what does this tell you?
CLOGGED W/ CARBON CALL SUPERVISOR
11. When do you use a water blaster?
WHEN SUPERVISOR INSTRUCTS IT
12. Why do you use a water blaster?
CLEAR CARBON BUILDUP WHEN 12" DISC ISNT ENOUGH
13. What type of liquor spray pattern does the lidman look for in the gooseneck? How would you describe this pattern, or what would the pattern look like?
FAN

QUESTIONS: STEP 4

1. What do you use the steam plug wrench for?

Removing Plug and ~~Reaming~~ jets

2. What do you do with the reamer?

Open steam jets

3. How many times should you turn the reamer?

3

4. If you hear steam coming from the steam valve, what should you do?

DO NOT ~~REMOVE PLUG~~ CLOSE VALVE

5. Where is the reamer located?

OPPOSITE END OF WRENCH

6. Which steam jets should be reamed?

ON DAMPERED OVEN¹ CHAR416W (ASSIST OVEN)

7. When reaming steam jets, what do you need to be careful of?

HOT GAS CONDENSATION

QUESTIONS: STEP 5

1. In which position (up or down) should the side steam pipe be in as you continue to blow into the standpipe?

DOWN

2. When you look into the uptake, what are you looking for?

CARBON - DIAMETER OF UPTAKE

3. How do you know or what can you see to tell you there no longer is excess carbon buildup in the uptake?

YOU HAVE REMOVED WITH AIR LANCE

80% or 12"

4. What should you do, if you see carbon ledges or excess carbon accumulation?

USE AIR LANCE

5. What do you use the air lance for?

REMOVING EXCESS CARBON

6. How many inches in diameter should the opening on the uptake be?

8" 10"

7. When do you turn the air on for the air lance?

AFTER IT IS INSERTED IN UPTAKE

8. Why should you avoid touching those sections of the air lance which have been in the uptake?

MAY BE HOT

9. When do you shut off the air to the air lance?

BEFORE REMOVING

10. Where do you place the air lance after you have turned off the air and are finished with the air lance?

ACROSS LIQUOR LINE

QUESTIONS: STEP 6

1. When do you proceed to decarbonizing an oven?

WHEN DIRECTED BY SUPERVISOR

2. Why do you decarbonize an oven?

TO REMOVE CARBON

3. Where do you insert the side steam blow pipe?

SIDE of STANDPIPE

4. When you decarbonize an oven, how many oven lids do you replace?

3 (of 4)

5. How do you know which lid to leave off?

SUPERVISOR

QUESTIONS: STEP 7

1. If you have an "okadee-type" valve, how do you cut off shut off the steam going into the side steam pipe of the oven to be charged?

IN OR BACK

2. If you have a "ball-type" valve, how do you cut off or shut off the steam going into the side steam pipe of the oven to be charged?

TURN UP

3. What do you do with the side steam pipe plug on the oven to be charged?

INSERT TO SIDE OF STANDPIPE

4. Where do you place the lidman's bar when you want to remove an oven lid?

BEHIND THE HOOK

5. How many lids should be off of the oven being charged?

ALL (4)

6. Why do you push or pull the steam valve on the assist oven? (Note: Two types of Valves)

TO PUT STEAM INTO ASSIST OVEN

7. When do you put steam into the assist oven?

JUST BEFORE CARRY CAR ARRIVES

8. What should the lidman do with the fourth charging hole lid on the assist oven?

REMOVE IT

9. How many holes do you cover when you place the U-Tube into position?

TWO

10. To raise the U-Tube, in which direction (clockwise or counter clockwise) do you turn the wheel?

CLOCKWISE

11. How do you know when the U-tube is in the full "up" position?

WONT TURN ANYMORE

12. How do you know when the U-tube is in the full "down" position?

NO REMAINING TENSION ON WHEEL

QUESTIONS: STEP 7 (Continued)

13. Why must the U-tube be in a full "up" position before a lidman begins to move the U-tube?

14. When do you pull the safety switch on the larry car?
So THEY DO NOT PRAN ON BATTERY

15. In which direction (up or down) do you move the safety switch on the larry car to deactivate or keep the larry car from moving?
WHEN LARRY CAR LOWERS SLEEVES
Down

QUESTIONS: STEP 8

1. When the larry car operator raises the east, center, or west drop sleeve, what is the lidman suppose to do?
REPLACE LID
2. To raise the U-Tube, what does the lidman need to do?
TURN CLOCKWISE
3. What does the lidman need to do about the excess coal which remains after the charging of an oven?
OPEN LID, SWEEP INSIDE, REPLACE LID
4. What is the refractory slurry for? Why do we use a refractory slurry?
SEAL LEAKS ON LIDS
5. How does the lidman get the refractory slurry on the lid?
DIPPER & BUCKET
6. How does the lidman lock down the riser cap?
FOOT PEDAL & ~~ROTATE~~ PUSH DOWN
7. How does the lidman remove the steam from the charged or assist ovens?
CLOSE VALVES
8. How does the lidman shut off the steam?
SAME
9. When does the lidman look at the collector main house?
AFTER TURNING OFF STEAM
10. What does the lidman look for when he/she looks at the collector main house?
GREEN LIGHT (OR AMBER)
11. What does the word or term "series" mean?
5 Ovens
12. How many ovens are typically scheduled in a series?
5
13. What does the lidman use Kwool for and where is it applied?
SEALING SIDEPLATE EMISSIONS
14. What does the lidman use slurry for and where is it applied?
SEALING LID EMISSIONS

QUESTIONS: STEP 9

- 1. What must the lidman do with any excess coal or other debris that is on the ovens?**

SWEEP IT UP

- 2. If a lidman sees or becomes aware of any unusual or abnormal conditions such as excessive smoke, broken lid, slurry spillage, etc., what should the lidman do?**

REPORT TO SUPERVISOR

- 3. When working in a restricted area of the Coke Oven, can a lidman smoke, chew gum or tobacco, eat, put on makeup, etc.?**

No