APPENDIX 7-7

PLASMA BURNER SOLUTION CHANGE

Prior to starting the water change and cleaning cycle for the Plasma Burner the Division/Section designee shall contact the Health & Safety Group of E, S & H for the proper sample containers. This person will also implement a chain of custody form and return it along with the plasma burner solution samples to the Health & Safety Group to be analyzed. An analytical report will then be sent to the appropriate personnel. When permission and instructions for disposal are issued, the changing of the solution may begin as follows:

1). Do not clean top area of tank for one or two days prior to changing solution. Gas burning, but not plasma burning may continue during this time, so there will be no raising and lowering of the water table.

2). Lock & Tag out the compressed air and domestic water behind the machine as outlined in LOTO procedure no. 15, #5(b) using the proper LOTO devices. Position the bridge to the far rear of the tank.

3). Pump water out, down to the sludge by routing a clear vinyl hose at one end of the table. Water is to be pumped down the drain. Do not clean the top area of the tank around the burn bars until after the water is pumped down to the sludge. Gloves, particle masks, boots, disposable coveralls and face shields are to be used as needed.

4). Complete Lock & Tag Out as outlined in LOTO Procedure No. 15, #5(b).

5). Clean the tank top around the burn bars. Remove all the burn bars, replacing those which need it. Do not reinstall the burn bars at this time.

6). Lift off top which holds burn bars and place it on floor. After it has dried, clean with a wire brush and vacuum before reinstalling.

7). Clean cutting slag from holding pans and put in dumpster.

8). Vacuum out sludge (about the consistency of paint) with a wet/dry vacuum and store in open top drums. You will need three (3) open top drums.

9). Hose down inside of tank, including separate holding tanks and the top of the air chamber. After cleaning holding tanks, place them on top of the burn bar holder. Remove air chamber and place on top of the holding tanks.

10). Allow water in tank to settle overnight and pump off that which is clear. Also pump clear water from the sludge barrels.

11). Vacuum inside of tank again, wash down with a hose and vacuum again. Repeat wash down and vacuum procedure until tank is clean.

12). Check inside of tank for indications of possible future leaks.

13). Reinstall air chamber and holding tanks.

14). Add 165 gallons of CM-100 rust inhibitor and fill to within six inches of the top of the air chamber with water.

15). Temporarily remove LOTO.

16). Raise water level, using air to cover top of air chamber.

Tank cap. 3300 Gals required 5% rust inhibitor

17). Reapply LOTO. Reinstall burn top in tank first and replace burn bars last. Remove Lock Out / Tag Out. Raise water level with air and finish filling tank with water.

18). Pump off any additional water from sludge barrels and consolidate sludge into as few barrels as possible. Clean vacuum cleaner, water pump and all items used in cleaning the tank.

19). Dispose of sludge as "SPECIAL WASTE".