

SOP FOR ATF HANDLING AT SURYAPET BOOSTER STATION

- In VVSPL, ATF pumping is being carried out in the following batch procedure as shown below from VDS to SRS.

HSD-VI->HPCK->ATF-> HPCK->HSD-VI

- DRA injection shall be stopped at least 8 hours before the expected arrival time of interface at the location and same shall be resumed again (if require), 4 hours after completion of ATF pumping.
- Before arrival of HPCK/ATF, existing quantity of HSD in Sump Tank to be emptied out fully (Sump tank to be maintained at minimum level before arrival of HPCK/ATF)

FOLLOWING STATION FACILITIES ARE TO BE FLUSHED IN PURE HPCK

1. MP-1, MP-2, MP-3, MP-4 and Pump by pass line to be flushed with HPCK.
2. MOV 1604 Station by pass line to be flushed with HPCK by opening MOV1604 followed by closing MOV 1603. Ensure the mainline pump is in off condition.
3. Open MOV 1603 and then close MOV 1604. Now the flow will be through the Station.
4. FT 1603, FT 1604 and FT by pass line to be flushed with HPCK. Line up any one of the FT 1603 / 1604 after flushing.
5. Density motor on/off to be done for flushing.
6. PCV 1602 and its bypass line (MOV 1621) to be flushed. Open the bypass line MOV 1621 and keep it online.
7. Scrapper launcher and Scrapper receiver to be flushed with pure HPCK.
8. Basket Filter 101A and 101B to be flushed with HPCK by lining up the other filter also.
9. The following PT points to be flushed at SBS
 - a. PT 1601
 - b. PT 1615
 - c. PSHH 1602
 - d. PSHH 1603
 - e. PSHH 1604
 - f. PSH 1610
 - g. PT 1610
 - h. PT 1609

- i. PT 1606
- j. PS 1606
- k. PT 1605
- l. PT 1619
- m. PS 1605
- n. PT 1618
- o. PT 1603
- p. PT 1614
- q. PG 1606
- r. PG 1605
- s. PG 1604
- t. PSL 1603
- u. PG 1609

- Once all the facilities are flushed with front PCK, no further flushing to be done during passing of ATF through the station. All the facilities mentioned above to be re flushed with rear PCK, once ATF crosses the station.

Once the Interface between rear ATF-> HPCK completes and pure HPCK touches SBS, the following procedure has to be carried out.

1. MP-1, MP-2, MP-3, MP-4 and Pump by pass line to be flushed with HPCK
2. MOV 1604 Station by pass line to be flushed with HPCK by opening MOV1604 followed by closing MOV 1603. Ensure the mainline pump is in off condition.
3. Open MOV 1603 and then close MOV 1604. Now the flow will be through the Station.
4. Line up and one of the basket Filters BF 101A/101B. Close the other BF.
5. All PT's points to be flushed in rear HPCK.
6. Scrapper launcher and Scrapper receiver to be flushed with pure HPCK.

Samples to be collected in ATF

- Once pure ATF touches SBS, for the first thirty minutes Samples to be collected for every ten minutes in 2 litre sample bottle.
- Till the completion of the ATF batch, Hourly sample to be collected and to be preserved in 2 Litre bottle.
- In addition to the above, Middle sample and End sample to be collected separately.
- Three Samples (Start, Middle & End) to be collected in front HPCK & rear HPCK.