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**Question 75: Do you draw liquid hydrocarbon from the overhead system in the vacuum tower after the pre-condenser? What is the operating temperature of the tower overhead? What issues do you observe?**

**Andrew W. Sloley (CH2M HILL)**

At vacuum tower top temperatures over 135-150°F some material heavy enough to condense after the pre-condenser goes overhead. In units with extremely paraffinic feeds the hydrocarbon can form wax in the pre-condenser, leading to reduced heat transfer and higher vacuum tower pressures. Other units get liquid carryover from the upper pumparound. This liquid shows up in the precondenser liquid.

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Year

2014