



MOVES 2013 Proposed Evaporative Emissions Updates Wrap-up

FACA MOVES Review Workgroup

January 28, 2013

Evap Component	What we've learned and done	Emission impact compared to MOVES _{2010b}
Multi-day diurnals	Cannister breakthrough on soak day ≥ 4 can lead to large emissions; this activity is not common but is important. A new algorithm captures canister loading and breakthrough	Significant increase in Cold Soak emissions
Leaks	Vapor leaks are rare, but do exist. Hot Soak and Cold Soak emissions from leaking vehicles are much higher than from non-leakers. Explicit modeling of leaking vehicles assures that we capture these effects.	Large increase in Cold Soak and Hot Soak emissions.
Temperature and RVP	We've applied temperature and RVP effects to Running Loss emissions.	Depends on modeled temperature and RVP.
Altitude	We've applied a continuous approach to modeling altitude rather than the previous binary approach.	Generally increases vapor venting emissions, but depends on location.