CHARACTERISTICS OF THE ATMOSPHERE FOR THE COMPUTER MODELING OF THE WORST CASE AND ALTERNATIVE RELEASE SCENARIOS FOR SACRAMENTO COUNTY

PARAMETER	WORST CASE	ALTERNATIVE RELEASE
Ambient Dry-bulb Temperature	110ºF[1]	71.6ºF[2]
Relative Humidity	65%[1]	56%[2]
Atmospheric Stability Class	F	D
Wind Velocity	3.4 mph	9.7 mph[2]
Cloud Cover	20%	20%
Inversion Height	none	none
Height of Release	ground level	determined by release scenario
Release Temperature	note 3	note 4
Ground Surface Roughness	urban or open country as appropriate	urban or open country as appropriate
Buoyancy of Dispersion Gases	gaussian and/or heavy gas as appropriate	gaussian and/or heavy gas as appropriate

NOTE:

1. Highest daily maximum dry bulb temperature and daily average relative humidity for last three years recorded for Sacramento, California per the Western Regional Climatic Center records in Reno, Nevada.

2. Mean dry bulb temperature, mean daily average relative humidity, and mean wind speed for month of June for period of record for Sacramento, California per the Western Regional Climatic Center records in Reno, Nevada. June is most typical month for class D stability per year since it is month that has highest mean wind speed per year.

3. Use ambient dry bulb temperature given or process temperature whichever is higher. Gases liquefied by refrigeration released at boiling point.

4. Use appropriate process or ambient temperature.