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<ul> <li>Time-dependent UDM model including along-wind diffusion (AW</li> <li>Scenarios         <ul> <li>Dispersion from time-varying pool</li> <li>Time-varying elevated release without rainout</li> <li>Time-varying or finite-duration elevated release with rainput</li> </ul> </li> <li>Algorithm         <ul> <li>Sets pre-AWD observer concentrations from steady-state runs (no discontinuous segments)</li> <li>Solves dispersion, droplet and pool equations simultaneously</li> <li>Avoids previous pool segmentation</li> <li>Sets AWD concentrations by integration over downwind distance</li> </ul> </li> <li>No longer segments and unrealistically high far-field concentrations</li> <li>Verification against HGSYSTEM</li> <li>Steady or time-varying area source, elevated vapour release</li> <li>consistency with FDC</li> <li>Additional testing for elevated releases with rainout</li> </ul>	D)
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