

From: DENNIS DOLL
To: DICKE-JAMES
Date: 9/20/96 9:42am
Subject: flares and cooling towers -Forwarded

Jim

Brenda Johnson forwarded a note (attached) inquiring about the requirements for handling cooling towers for GEP stack height determinations. Her concerns are how to handle the aerodynamic design of a cooling tower for such determinations. It seems rather clear from the GEP TSD that for these types of structures (e.g., porous, rounded, sloping structures) that a fluid modeling study or field study is required to determine the downwashing affects from such sources for GEP determinations. Are you aware of any situations where a fluid modeling study was not needed where cooling towers were involved? For example, where a cooling tower was treated as a multi-sided structure using the formula to determine GEP. Thanks for your assistance.
Dennis

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