



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

DEC 13 1993

MEMORANDUM

SUBJECT: Test Protocol for Wind Tunnel Modeling of Plume Impact Under Stable Stratification for the Cane Run Station in Louisville, Kentucky

FROM: Brenda Johnson *Brenda Johnson*
U. S. EPA Region IV

THRU: Douglas Neeley *DN*
Chief, Air Programs Branch
Air, Pesticides and Toxics
Management Division

TO: Dean Wilson (MD-14)
OAQPS/TSD/SRAB

Attached is a copy of the test protocol for wind tunnel modeling of plume impact under stable stratification for the Cane Run Station in Louisville, Kentucky. Please review the protocol. I will forward my comments concerning my review of the protocol by the end of this month. I would appreciate your comments by January 15, 1994. If questions arise, please contact me at (404) 347-2864.

Attachment

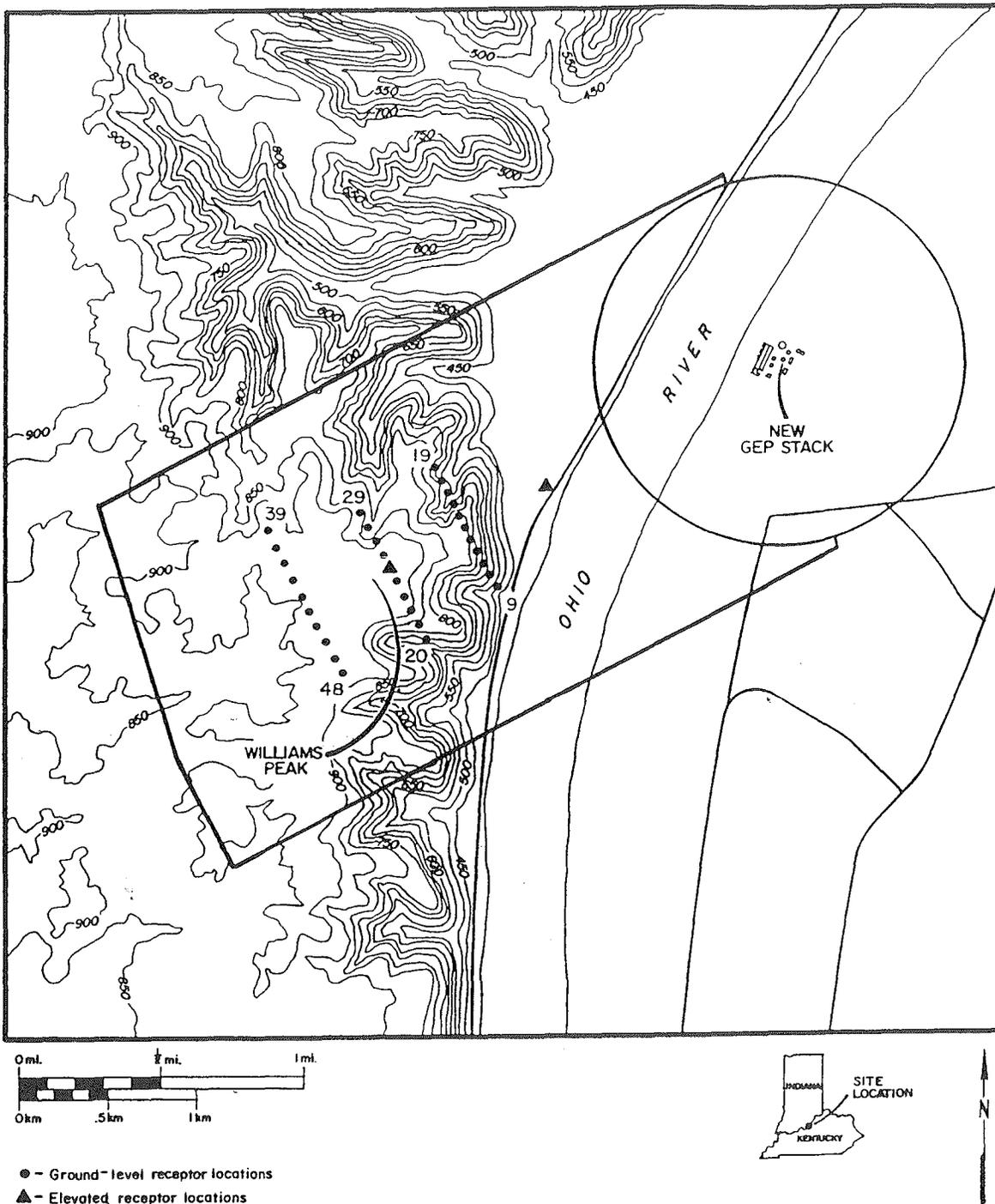


Figure 3. Terrain area modeled for stable wind tunnel tests.

RECORD NUMBER: 92-VIII-16
 REGION: 08
 FISCAL YEAR: 92
 NAME: ASARCO E. Helena Pb SIP. - Dec 91
 STATE: MONTANA
 POLLUTANT: Pb
 URBAN/RURAL: Rural Only
 ORAL/WRITTEN: Written
 TERRAIN: Both High and Low Terrain
 REGULATION: SIP
 SOURCE TYPE: Smelter
 GUIDELINE: Guideline
 DATABASE TYPE: On-site
 MODELS: ISCST
 VALLEY
 COMPLEX-I
 INVOLVEMENT: Review and Comment
 SUBJECT: Ambient Monitoring
 Performance Evaluations
 Receptor Modeling

SEP 15 1992

ISSUES AND CLEARINGHOUSE (C/H) COMMENTS FOR RECORD NUMBER: 92-VIII-16
 12/23/91; 1/27/92 Memos: D. Wilson and T. Coulter to Mindy Mohr
 The first memo provided comments on the 12/2/91 Inter-model Comparison Protocol
 and the 12/3/91 Design Value Protocol. The second memo was provided to clarify
 some comments made in the first memo. The C/H indicated that both protocols
 were acceptable although a request was made to clarify a number of points, and
 to encourage the use of additional available data.
 12/24/91
 C/H received a copy of a 12/24/91 letter from R-VIII to MT approving the above
 mentioned protocols, but also providing a number of comments reflecting informa-
 tion in the 12/23 C/H memo to R-VIII.