Attachment E1
El Dorado Hills Naturally Occurring Asbestos

FILE STRUCTURE FOR
ELECTRONIC DATA DELIVERABLES

START-2 Contract No. 68-W-01-012

The electronic data deliverable (EDD) file must be in one of the following formats:

The EDD may be a Microsoft Access data table, a tab-delimited or fixed-field-width ASCII file, or a Microsoft Excel or Lotus 1-2-3 spreadsheet. Comma-delimited ASCII files will not be accepted. The EDD may be delivered on a 3 ½- inch diskette, CD-ROM, or as an e-mailed attachment.

Results for all field samples must be included in the EDD file. Do not include results for any quality control samples, including both laboratory and field quality control samples. The following are the required structure types to be counted and reported in the EDD file for each sample:

FOR PLM DATA
C   <u>Fiberous Non-Asbestos</u>
C   <u>Non-Fiberous Non-Asbestos</u>
C   <u>Chrysotile Asbestos</u>
C   <u>Amphibole Asbestos</u>

FOR TEM DATA
C   <u>Regulated Asbestiforms</u> Primary Structures,
C   <u>Regulated Asbestiforms</u> Total Asbestos Structures,
C   <u>Regulated Asbestiforms</u> Asbestos Structures > 5 F m,
C   <u>Regulated Asbestiforms</u> Fibers & Bundles > 5 F m,
C   <u>Other Amphibole Asbestiforms</u> Primary Structures,
C   <u>Other Amphibole Asbestiforms</u> Total Asbestos Structures,
C   <u>Other Amphibole Asbestiforms</u> Asbestos Structures > 5 F m,
C   <u>Other Amphibole Asbestiforms</u> Fibers & Bundles > 5 F m,

The following table indicates the required fields:

Asbestos EDD Format FOR PLM DATA			
Field Name	**Type**	**Size**	**Description**
C-sample-num	Character	10	Sample ID given to the composited sample.
Site_name	Character	10	Name of the site.
Lab-id	Character	10	Laboratory sample identifier.
Method Number	Character	25	Analytical method number (e.g., 8081A).
L-Matrix	Character	10	Sample matrix (i.e., Dust).
Cas-num	Character	15	Chemical Abstract Services registry number. Must not include leading zeros.
Type	Character	40	Description of the structure type counted (e.g. Non-asbestos, Chysotile asbestos etc). See previous section and SOW for types of structures to be counted.
Concentrations	Numeric	12 total, 6 right of decimal	Calculated concentration of structures. Use 0 for non-detects.
Analytical sensitivity	Numeric	12 total, 6 right of decimal	Analytical sensitivity. Required for all results. Must be sample-specific.
Units	Character	10	Units for the result, quantitation limit and confidence intervals. Structure per Liter
Analysis-Date	Date	10	Date analyzed. Use the format MM/DD/YYYY.
Lab	Character	40	Name of laboratory performing analysis.

Asbestos EDD Format
FOR TEM DATA

Field Name	Type	Size	Description
C-sample-num	Character	10	Sample ID given to the composited sample.
Site_name	Character	10	Name of the site.
Lab-id	Character	10	Laboratory sample identifier.
Method Number	Character	25	Analytical method number (e.g., 8081A).
L-Matrix	Character	10	Sample matrix (i.e., Dust).
Cas-num	Character	15	Chemical Abstract Services registry number. Must not include leading zeros.
Type	Character	40	Description of the structure type counted (e.g. Primary Structure, Asb. Fibers & Bundles > 5 μm). See previous section and SOW for types of structures to be counted.
# of structures counted	Numeric	12 total	Count of Structures. Use 0 for non-detects.
Concentrations	Numeric	12 total, 6 right of decimal	Calculated concentration of structures. Use 0 for non-detects.
Analytical sensitivity	Numeric	12 total, 6 right of decimal	Analytical sensitivity. Required for all results. Must be sample-specific.
Units	Character	10	Units for the result, quantitation limit and confidence intervals. Structure per Liter
Lower	Numeric	12 total, 6 right of decimal	Lower concentration of 95 % confidence interval.
Upper	Numeric	12 total, 6 right of decimal	Upper concentration of 95 % confidence interval.
Grids Opened	Numeric	12 total	Number of grids opened.
Area Analyzed	Numeric	12 total, 6 right of decimal	Filter area analyzed in square millimeters.
Filter Area	Numeric	12 total, 6 right of decimal	Total filter area in square millimeters.
Analysis-Date	Date	10	Date analyzed. Use the format MM/DD/YYYY.
Lab	Character	40	Name of laboratory performing analysis.

The fields in the EDD must appear in the order presented above. In addition, the field names, field types, and field sizes must conform to the above requirements.