ATTACHMENT G2
APPENDIX E
DESIGN DRAWINGS
SHAFT SEALING SYSTEM
COMPLIANCE SUBMITTAL DESIGN REPORT
Waste Isolation Pilot Plant
Shaft Sealing System
Compliance Submittal Design Report

Volume 2 of 2:
Appendix E

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Sandia National Laboratories
Albuquerque, NM 87185

ABSTRACT
This is the second volume of a two-volume report describing a shaft sealing system design for the Waste Isolation Pilot Plant. This appendix contains detailed drawings of the shaft sealing system and its components.
Salado Formation Waste Shaft Stratigraphy and AS-Built Elements
Near-Surface / Rustler Formations Air Intake Shaft Stratigraphy and AS-Built Elements

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Near-Surface / Rustler Formations Air Intake Shaft Stratigraphy and Sealing Subsystem Profile

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### Table 1

<table>
<thead>
<tr>
<th>SHAFT</th>
<th>NOMINAL SHAFT DIAMETER (IN.)</th>
<th>TOP EL. (FT. MSL)</th>
<th>BOTTOM EL. (FT. MSL)</th>
<th>TOTAL HT. (FT.)</th>
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<tr>
<td>WASTE</td>
<td>20&quot;-0&quot;</td>
<td>1987.5</td>
<td>1432.0</td>
<td>555.5</td>
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<td>AIR INJUNE</td>
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<td>560.5</td>
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<td>EXHAUST</td>
<td>16&quot;-0&quot;</td>
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<td>550.0</td>
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<td>1441.0</td>
<td>560.0</td>
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**Compacted Salt Column**
WIPP Shaft Sealing System Concrete Plug

Drawing SNL 007 26 of 28 not currently available. Drawing is not displayed in the Permit.
### Table 1

<table>
<thead>
<tr>
<th>SHAFT</th>
<th>Nominal Shaft Diameter D</th>
<th>RUSTLER COMPACTED CLAY COLUMN</th>
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<td>(FT. MSL)</td>
<td>(FT. MSL)</td>
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<td>AIR INTAKE</td>
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<td>EXHAUST</td>
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<td>SALT HANDLING</td>
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Compacted Earthen Fill and Concrete Plug

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WASTE ISOLATION PILOT PLANT

CARLSBAD, NM

SHAFT SEALING SYSTEM DESIGN

EQUIPMENT AND CONSTRUCTION SKETCHES

List of Sketches

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WIPP Shaft Sealing System Typical Headframe Plans and Sections