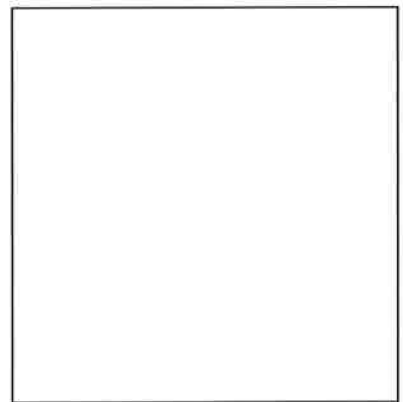


**Redline / Strikeout Version**  
**Part III, Appendix III-D.8-1**  
**Alternative Final Cover Demonstration**  
**HELP Outputs**

**ATTACHMENT III-D.8-1**  
**HELP 3.07 OUTPUTS**

- A. ALTERNATIVE FINAL COVER – HYDRAULIC CONDUCTIVITY  $1 \times 10^{-5}$
- B. ALTERNATIVE FINAL COVER – HYDRAULIC CONDUCTIVITY  $1 \times 10^{-6}$
- C. PRESCRIPTIVE FINAL COVER – GEOMEMBRANE BELOW INFILTRATION LAYER
- D. **PRESCRIPTIVE FINAL COVER – GEOMEMBRANE ABOVE INFILTRATION LAYER**

Modified August 2017



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**
**          HYDROLOGIC EVALUATION OF LANDFILL PERFORMANCE          **
**          HELP MODEL VERSION 3.07 (1 NOVEMBER 1997)              **
**          DEVELOPED BY ENVIRONMENTAL LABORATORY                  **
**          USAE WATERWAYS EXPERIMENT STATION                     **
**          FOR USEPA RISK REDUCTION ENGINEERING LABORATORY       **
**
**
*****
*****

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PRECIPITATION DATA FILE:   C:\DOCUME~1\XPMUSER\DESKTOP\HELP3\PESC\PRECIP.D4
TEMPERATURE DATA FILE:    C:\DOCUME~1\XPMUSER\DESKTOP\HELP3\PESC\TEMP.D7
SOLAR RADIATION DATA FILE: C:\DOCUME~1\XPMUSER\DESKTOP\HELP3\PESC\SOL.D13
EVAPOTRANSPIRATION DATA:  C:\DOCUME~1\XPMUSER\DESKTOP\HELP3\PESC\EVAP_FC.D11
SOIL AND DESIGN DATA FILE: C:\DOCUME~1\XPMUSER\DESKTOP\HELP3\PESC\PRE_FC4.D10
OUTPUT DATA FILE:         C:\DOCUME~1\XPMUSER\DESKTOP\HELP3\PESC\PRE_FC4.OUT

```

TIME: 9:44 DATE: 8/7/2017

\*\*\*\*\*

TITLE: Pescadito Prescriptive Cover

\*\*\*\*\*

NOTE: INITIAL MOISTURE CONTENT OF THE LAYERS AND SNOW WATER WERE  
COMPUTED AS NEARLY STEADY-STATE VALUES BY THE PROGRAM.

LAYER 1  
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TYPE 1 - VERTICAL PERCOLATION LAYER
MATERIAL TEXTURE NUMBER 0
THICKNESS          = 7.00 INCHES
POROSITY           = 0.4370 VOL/VOL
FIELD CAPACITY     = 0.3730 VOL/VOL
WILTING POINT     = 0.2660 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.3021 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.999999975000E-05 CM/SEC

```

LAYER 2  
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```

TYPE 4 - FLEXIBLE MEMBRANE LINER
MATERIAL TEXTURE NUMBER 0
THICKNESS          = 0.06 INCHES
POROSITY           = 0.0000 VOL/VOL
FIELD CAPACITY     = 0.0000 VOL/VOL
WILTING POINT     = 0.0000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.199999996000E-12 CM/SEC
FML PINHOLE DENSITY = 3.00 HOLES/ACRE

```