CONTROL ESPECIFICATIONS:

(CONTROL1.CONTROL)

```
Control: Control 1
     Description: HYDROLOGIC ANALYSIS FOR YAUCO LANDFILL, YAUCO EXISTING
CONDITION:LS, LE & LW JUNE 2008: FILENAME=EXIS2.DAT : MENAR HYDROSYSTEMS 24-HR
BALANCED STORM DISTRIBUTION : AMC II 2-YEAR FREQUENCY STORM
     Last Modified Date: 25 September 2008
     Last Modified Time: 15:46:04
     Start Date: 9 June 2008
     Start Time: 00:00
     End Date: 11 June 2008
     End Time: 00:00
     Time Interval: 1
End:
```

PAIRED DATA: (YAUCO.PDATA)

```
Paired Data Manager: YAUCO
     Version: 3.2
End:

Table: Pond West (EXIS)
     Table Type: Elevation-Area
     Description: EXISTING POND WEST
     Last Modified Date: 22 September 2008
     Last Modified Time: 13:47:16
     X-Units: FT
     Y-Units: ACRE
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //POND WEST (EXIS)/ELEVATION-AREA///TABLE/
End:

Table: Pond South 1 (EXIS)
     Table Type: Elevation-Area
     Last Modified Date: 22 September 2008
     Last Modified Time: 15:06:05
     X-Units: FT
     Y-Units: ACRE
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //POND SOUTH 1 (EXIS)/ELEVATION-AREA///TABLE/
End:

Table: Pond East (EXIS)
     Table Type: Elevation-Area
     Last Modified Date: 26 September 2008
     Last Modified Time: 15:20:56
     X-Units: FT
     Y-Units: ACRE
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //Pond East (EXIS)/ELEVATION-AREA///TABLE/
End:

Table: Pond North (EXIS)
     Table Type: Elevation-Area
     Last Modified Date: 26 September 2008
     Last Modified Time: 13:44:54
     X-Units: FT
     Y-Units: ACRE
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //Pond North (EXIS)/ELEVATION-AREA///TABLE/
End:

Table: Pond South 2 (EXIS)
     Table Type: Elevation-Area
     Last Modified Date: 22 September 2008
     Last Modified Time: 15:13:46
     X-Units: FT
     Y-Units: ACRE
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //POND SOUTH 2 (EXIS)/ELEVATION-AREA///TABLE/
End:

Table: Pond East (PROP)
     Table Type: Elevation-Area
     Last Modified Date: 26 September 2008
```

```
     Last Modified Time: 15:20:40
     X-Units: FT
     Y-Units: ACRE
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //Pond East (PROP)/ELEVATION-AREA///TABLE/
End:

Table: Pond North (PROP)
     Table Type: Elevation-Area
     Last Modified Date: 23 September 2008
     Last Modified Time: 19:14:50
     X-Units: FT
     Y-Units: ACRE
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //POND NORTH (PROP)/ELEVATION-AREA///TABLE/
End:

Table: Pond South (PROP)
     Table Type: Elevation-Area
     Last Modified Date: 26 September 2008
     Last Modified Time: 15:59:37
     X-Units: FT
     Y-Units: ACRE
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //Pond South (PROP)/ELEVATION-AREA///TABLE/
End:

Table: Pond West (PROP)
     Table Type: Elevation-Area
     Last Modified Date: 22 September 2008
     Last Modified Time: 17:15:44
     X-Units: FT
     Y-Units: ACRE
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //POND WEST (PROP)/ELEVATION-AREA///TABLE/
End:

Table: Pond West (EXIS)
     Table Type: Stage-Flow
     Last Modified Date: 25 September 2008
     Last Modified Time: 15:48:30
     X-Units: FT
     Y-Units: CFS
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //POND WEST (EXIS)/STAGE-FLOW///TABLE/
End:

Table: Pond South 1 (EXIS)
     Table Type: Stage-Flow
     Last Modified Date: 25 September 2008
     Last Modified Time: 15:40:46
     X-Units: FT
     Y-Units: CFS
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //POND SOUTH 1 (EXIS)/STAGE-FLOW///TABLE/
End:
```

```
Table: Pond East (EXIS)
     Table Type: Stage-Flow
     Last Modified Date: 25 September 2008
     Last Modified Time: 15:54:23
     X-Units: FT
     Y-Units: CFS
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //POND EAST (EXIS)/STAGE-FLOW///TABLE/
End:

Table: Pond North (EXIS)
     Table Type: Stage-Flow
     Last Modified Date: 26 September 2008
     Last Modified Time: 17:40:06
     X-Units: FT
     Y-Units: CFS
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //Pond North (EXIS)/STAGE-FLOW///TABLE/
End:

Table: Pond South 2 (EXIS)
     Table Type: Stage-Flow
     Last Modified Date: 25 September 2008
     Last Modified Time: 15:38:41
     X-Units: FT
     Y-Units: CFS
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //POND SOUTH 2 (EXIS)/STAGE-FLOW///TABLE/
End:

Table: Pond East (PROP)
     Table Type: Stage-Flow
     Last Modified Date: 26 September 2008
     Last Modified Time: 13:31:12
     X-Units: FT
     Y-Units: CFS
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //Pond East (PROP)/STAGE-FLOW///TABLE/
End:

Table: Pond North (PROP)
     Table Type: Stage-Flow
     Last Modified Date: 26 September 2008
     Last Modified Time: 17:44:21
     X-Units: FT
     Y-Units: CFS
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //Pond North (PROP)/STAGE-FLOW///TABLE/
End:

Table: Pond South (PROP)
     Table Type: Stage-Flow
     Last Modified Date: 26 September 2008
     Last Modified Time: 17:19:38
     X-Units: FT
     Y-Units: CFS
     Use External DSS File: NO
     DSS File: YAUCO.dss
```

```
     Pathname: //Pond South (PROP)/STAGE-FLOW///TABLE/
End:

Table: Pond West (PROP)
     Table Type: Stage-Flow
     Last Modified Date: 26 September 2008
     Last Modified Time: 13:32:45
     X-Units: FT
     Y-Units: CFS
     Use External DSS File: NO
     DSS File: YAUCO.dss
     Pathname: //POND WEST (PROP)/STAGE-FLOW///TABLE/
End:
```

SIMULATION RUN
EXISTING 2-YR

Project: YAUCO Simulation Run: EXISTING 2-YR

Start of Run: 09Jun2008, 00:00
End of Run: 11Jun2008, 00:00
Compute Time: 08Oct2008, 07:55:34

Basin Model: EXISTING
Meteorologic Model: 2-YR
Control Specifications: Control 1

Volume Units: AC-FT

Hydrologic Element	Drainage Area (MI2)	Peak Discharge (CFS)	Time of Peak	Volume (AC-FT)
BASE	0.1109	317.9	09Jun2008, 12:06	19.0
BASN	0.0710	224.1	09Jun2008, 12:05	12.9
BASS	0.0119	38.9	09Jun2008, 12:04	2.0
BASSE	0.0025	8.2	09Jun2008, 12:04	0.4
BASSW	0.0170	57.2	09Jun2008, 12:04	3.0
BASW	0.0576	179.7	09Jun2008, 12:05	9.9
CE	0.1226	355.4	09Jun2008, 12:06	21.3
COM	0.1832	83.7	09Jun2008, 12:23	10.3
COMT	0.2254	143.7	09Jun2008, 12:05	16.3
LE	0.0117	43.4	09Jun2008, 12:04	2.3
LN	0.0231	87.6	09Jun2008, 12:04	4.7
LS	0.0108	41.8	09Jun2008, 12:04	2.3
LW	0.0030	11.6	09Jun2008, 12:04	0.6
POND EAST	0.1226	0.7	10Jun2008, 00:08	2.0
POND NORTH	0.0941	273.1	09Jun2008, 12:07	17.6
POND SOUTH 1	0.2135	108.9	09Jun2008, 12:28	15.7
POND SOUTH 2	0.2254	143.7	09Jun2008, 12:05	16.3
POND WEST	0.0606	84.6	09Jun2008, 12:18	8.3
RC	0.1832	82.6	09Jun2008, 12:28	10.2
RE	0.1226	0.7	10Jun2008, 00:14	1.9
RN	0.0231	80.7	09Jun2008, 12:09	4.7
RW	0.0606	83.3	09Jun2008, 12:23	8.3

SIMULATION RUN
EXISTING 10-YR

Project: YAUCO Simulation Run: EXISTING 10-YR

Start of Run: 09Jun2008, 00:00
End of Run: 11Jun2008, 00:00
Compute Time: 08Oct2008, 07:57:58

Basin Model: EXISTING
Meteorologic Model: 10-YR
Control Specifications: Control 1

Volume Units: AC-FT

Hydrologic Element	Drainage Area (MI2)	Peak Discharge (CFS)	Time of Peak	Volume (AC-FT)
BASE	0.1109	476.1	09Jun2008, 12:06	42.1
BASN	0.0710	327.0	09Jun2008, 12:05	27.9
BASS	0.0119	58.4	09Jun2008, 12:04	4.5
BASSE	0.0025	12.3	09Jun2008, 12:04	0.9
BASSW	0.0170	84.4	09Jun2008, 12:04	6.6
BASW	0.0576	268.5	09Jun2008, 12:05	21.9
CE	0.1226	528.6	09Jun2008, 12:05	46.9
COM	0.1832	211.3	09Jun2008, 12:13	39.9
COMT	0.2254	299.4	09Jun2008, 12:05	54.8
LE	0.0117	60.8	09Jun2008, 12:04	4.8
LN	0.0231	121.1	09Jun2008, 12:04	9.7
LS	0.0108	57.1	09Jun2008, 12:04	4.6
LW	0.0030	15.9	09Jun2008, 12:04	1.3
POND EAST	0.1226	32.0	09Jun2008, 14:10	18.9
POND NORTH	0.0941	396.1	09Jun2008, 12:07	37.6
POND SOUTH 1	0.2135	268.3	09Jun2008, 12:17	51.7
POND SOUTH 2	0.2254	299.4	09Jun2008, 12:05	54.8
POND WEST	0.0606	217.8	09Jun2008, 12:07	21.0
RC	0.1832	206.0	09Jun2008, 12:18	39.9
RE	0.1226	32.0	09Jun2008, 14:15	18.9
RN	0.0231	111.3	09Jun2008, 12:09	9.7
RW	0.0606	210.7	09Jun2008, 12:13	20.9

SIMULATION RUN
EXISTING 100-YR

Project: YAUCO Simulation Run: EXISTING 100-YR

Start of Run: 09Jun2008, 00:00 Basin Model: EXISTING
End of Run: 11Jun2008, 00:00 Meteorologic Model: 100-YR
Compute Time: 08Oct2008, 08:04:32 Control Specifications: Control 1

Volume Units: AC-FT

Hydrologic Element	Drainage Area (MI2)	Peak Discharge (CFS)	Time of Peak	Volume (AC-FT)
BASE	0.1109	659.0	09Jun2008, 12:06	89.7
BASN	0.0710	445.6	09Jun2008, 12:05	58.5
BASS	0.0119	80.6	09Jun2008, 12:04	9.6
BASSE	0.0025	16.9	09Jun2008, 12:04	2.0
BASSW	0.0170	115.7	09Jun2008, 12:04	13.9
BASW	0.0576	370.6	09Jun2008, 12:05	46.6
CE	0.1226	730.4	09Jun2008, 12:05	99.6
COM	0.1832	486.3	09Jun2008, 12:14	118.6
COMT	0.2254	584.3	09Jun2008, 12:18	151.7
LE	0.0117	80.9	09Jun2008, 12:04	9.9
LN	0.0231	160.4	09Jun2008, 12:04	19.7
LS	0.0108	75.2	09Jun2008, 12:04	9.3
LW	0.0030	20.9	09Jun2008, 12:04	2.6
POND EAST	0.1226	263.6	09Jun2008, 12:22	71.6
POND NORTH	0.0941	538.8	09Jun2008, 12:07	78.2
POND SOUTH 1	0.2135	554.6	09Jun2008, 12:18	143.5
POND SOUTH 2	0.2254	584.3	09Jun2008, 12:18	151.7
POND WEST	0.0606	313.2	09Jun2008, 12:07	47.0
RC	0.1832	479.9	09Jun2008, 12:19	118.5
RE	0.1226	262.7	09Jun2008, 12:27	71.6
RN	0.0231	147.7	09Jun2008, 12:09	19.7
RW	0.0606	300.7	09Jun2008, 12:12	47.0

SIMULATION RUN
PROPOSED 2-YR

Project: YAUCO Simulation Run: PROPOSED 2-YR

Start of Run: 09Jun2008, 00:00
End of Run: 11Jun2008, 00:00
Compute Time: 08Oct2008, 08:02:31

Basin Model: PROPOSED
Meteorologic Model: 2-YR
Control Specifications: Control 1

Volume Units: AC-FT

Hydrologic Element	Drainage Area (MI2)	Peak Discharge (CFS)	Time of Peak	Volume (AC-FT)
BASE	0.1109	304.0	09Jun2008, 12:06	19.0
BASN	0.0710	206.3	09Jun2008, 12:05	11.8
BASS	0.0119	38.9	09Jun2008, 12:04	2.0
BASSE	0.0025	8.2	09Jun2008, 12:04	0.4
BASSW	0.0170	55.6	09Jun2008, 12:04	2.9
BASW	0.0576	179.7	09Jun2008, 12:05	9.9
CE	0.1258	353.6	09Jun2008, 12:06	22.1
COM	0.1869	85.4	09Jun2008, 12:23	10.4
COMT	0.2294	101.7	09Jun2008, 12:34	12.2
LE	0.0149	57.7	09Jun2008, 12:04	3.1
LN	0.0191	74.0	09Jun2008, 12:04	4.0
LS	0.0111	43.0	09Jun2008, 12:04	2.3
LW	0.0035	13.6	09Jun2008, 12:04	0.7
POND EAST	0.1258	0.7	10Jun2008, 00:09	2.0
POND NORTH	0.0901	4.8	09Jun2008, 15:12	10.6
POND SOUTH	0.2294	101.7	09Jun2008, 12:34	12.2
POND WEST	0.0611	86.2	09Jun2008, 12:18	8.4
RC	0.1869	84.3	09Jun2008, 12:28	10.4
RE	0.1258	0.7	10Jun2008, 00:14	2.0
RN	0.0191	68.1	09Jun2008, 12:09	4.0
RW	0.0611	85.0	09Jun2008, 12:23	8.4

SIMULATION RUN
PROPOSED 10-YR

Project: YAUCO Simulation Run: PROPOSED 10-YR

Start of Run: 09Jun2008, 00:00
End of Run: 11Jun2008, 00:00
Compute Time: 08Oct2008, 08:07:22

Basin Model: PROPOSED
Meteorologic Model: 10-YR
Control Specifications: Control 1

Volume Units: AC-FT

Hydrologic Element	Drainage Area (MI2)	Peak Discharge (CFS)	Time of Peak	Volume (AC-FT)
BASE	0.1109	457.6	09Jun2008, 12:06	42.1
BASN	0.0710	314.6	09Jun2008, 12:05	26.5
BASS	0.0119	58.4	09Jun2008, 12:04	4.5
BASSE	0.0025	12.3	09Jun2008, 12:04	0.9
BASSW	0.0170	83.4	09Jun2008, 12:04	6.5
BASW	0.0576	268.5	09Jun2008, 12:05	21.9
CE	0.1258	524.5	09Jun2008, 12:06	48.4
COM	0.1869	213.3	09Jun2008, 12:13	41.6
COMT	0.2294	283.7	09Jun2008, 12:18	52.4
LE	0.0149	78.8	09Jun2008, 12:04	6.3
LN	0.0191	101.0	09Jun2008, 12:04	8.1
LS	0.0111	58.7	09Jun2008, 12:04	4.7
LW	0.0035	18.5	09Jun2008, 12:04	1.5
POND EAST	0.1258	36.8	09Jun2008, 13:15	20.4
POND NORTH	0.0901	173.9	09Jun2008, 12:20	28.7
POND SOUTH	0.2294	283.7	09Jun2008, 12:18	52.4
POND WEST	0.0611	219.9	09Jun2008, 12:07	21.2
RC	0.1869	207.9	09Jun2008, 12:18	41.6
RE	0.1258	36.8	09Jun2008, 13:20	20.4
RN	0.0191	92.9	09Jun2008, 12:09	8.1
RW	0.0611	212.6	09Jun2008, 12:13	21.2

SIMULATION RUN
PROPOSED 100-YR

Project: YAUCO Simulation Run: PROPOSED 100-YR

Start of Run: 09Jun2008, 00:00
End of Run: 11Jun2008, 00:00
Compute Time: 08Oct2008, 08:09:23

Basin Model: PROPOSED
Meteorologic Model: 100-YR
Control Specifications: Control 1

Volume Units: AC-FT

Hydrologic Element	Drainage Area (MI2)	Peak Discharge (CFS)	Time of Peak	Volume (AC-FT)
BASE	0.1109	634.9	09Jun2008, 12:06	89.7
BASN	0.0710	439.0	09Jun2008, 12:05	56.9
BASS	0.0119	80.6	09Jun2008, 12:04	9.6
BASSE	0.0025	16.9	09Jun2008, 12:04	2.0
BASSW	0.0170	115.1	09Jun2008, 12:04	13.8
BASW	0.0576	370.6	09Jun2008, 12:05	46.6
CE	0.1258	723.0	09Jun2008, 12:06	102.6
COM	0.1869	497.5	09Jun2008, 12:14	121.9
COMT	0.2294	570.2	09Jun2008, 12:22	151.0
LE	0.0149	103.8	09Jun2008, 12:04	12.8
LN	0.0191	133.0	09Jun2008, 12:04	16.5
LS	0.0111	77.3	09Jun2008, 12:04	9.6
LW	0.0035	24.4	09Jun2008, 12:04	3.0
POND EAST	0.1258	281.2	09Jun2008, 12:22	74.5
POND NORTH	0.0901	422.5	09Jun2008, 12:09	67.4
POND SOUTH	0.2294	570.2	09Jun2008, 12:22	151.0
POND WEST	0.0611	316.2	09Jun2008, 12:07	47.4
RC	0.1869	492.5	09Jun2008, 12:20	121.9
RE	0.1258	280.3	09Jun2008, 12:28	74.5
RN	0.0191	122.5	09Jun2008, 12:09	16.5
RW	0.0611	303.6	09Jun2008, 12:12	47.4

APPENDIX E

HEC-RAS INPUT AND OUTPUT DATA
(FILENAME: VERTEDEROYAUCO.PRJ)

GEOMETRY: EXISTING 2-YR