

**APPENDIX 2AA**  
**TRANSDUCER DATA**

Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

**APPENDIX 2AA TABLE OF CONTENTS**

1.0	TRANSDUCER DATA .....	2AA-3
2.0	REFERENCE HEADS .....	2AA-4
3.0	DATA EVALUATION .....	2AA-5
4.0	REFERENCES .....	2AA-6

Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

**APPENDIX 2AA LIST OF TABLES**

Table 2AA-201	Transducer Types
Table 2AA-202	Summary of Specific Conductance, Salinity, Temperature, and Density
Table 2AA-203	Data for June 29, 2008 Potentiometric Surface Map; Approximately 7 a.m., High Tide
Table 2AA-204	Data for June 29, 2008 Potentiometric Surface Map; Approximately 2 p.m., Low Tide
Table 2AA-205	Data for August 15, 2008 Potentiometric Surface Map; Approximately 10 a.m., High Tide
Table 2AA-206	Data for August 15, 2008 Potentiometric Surface Map; Approximately 5 p.m., Low Tide
Table 2AA-207	Data for October 5, 2008 Potentiometric Surface Map; Approximately 1 a.m., High Tide
Table 2AA-208	Data for October 5, 2008 Potentiometric Surface Map; Approximately 8 a.m., Low Tide
Table 2AA-209	Data for January 20, 2009 Potentiometric Surface Map; Approximately 7 p.m., High Tide
Table 2AA-210	Data for January 21, 2009 Potentiometric Surface Map; Approximately 2 a.m., Low Tide
Table 2AA-211	Data Acceptable for Use
Table 2AA-212	Selected Monthly Water Level Data; Approximately 1 p.m.
Table 2AA-213	Maximum and Minimum Recorded Water Level Elevations

Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

## 1.0 TRANSDUCER DATA

In-Situ pressure transducers were installed in 20 observation wells and 2 surface water monitoring locations to collect water level data in the Units 6 & 7 plant area. Monitoring locations are shown in Figure 2.4.12-209.

Twelve of the transducers were Level TROLLs that measure pressure and temperature, and ten of these transducers were Aqua TROLLs that measure pressure, temperature, and specific conductance. The locations where Aqua TROLLs and Level TROLLs were installed are presented in [Table 2AA-201](#). Many of the Aqua TROLL specific conductance sensors were erratic and failed. The Aqua TROLL specific conductance data were not used.

Data collection began in June 2008. Data received through early February 2009 were evaluated. Transducers were programmed to collect readings once an hour. Note that readings were collected every 5 minutes at the OW-805L location from 9/25/2008 through 10/15/2008. All locations with the exception of SW-1 and SW-2 monitor groundwater levels. SW-1 and SW-2 monitored the water level in the cooling canals surrounding Units 6 & 7.

For naming convention purposes, the Key Largo Limestone is designated as the upper monitoring zone (U) and the Fort Thompson Formation is designated as the lower monitoring zone (L). The monitoring well naming convention uses the U/L notation to identify which zone the well is monitoring, e.g., OW-606U is observation well 606 that monitors the upper zone.

Specific conductance measurements were taken February 3-5, 2009 by pumping groundwater (or surface water for SW-1 and SW-2) to the surface and through a flow-through cell. A calibrated water quality meter was used to take specific conductance readings of the water as it passed through the flow-through cell. Specific conductance measurements were used to calculate the groundwater salinity and density. Salinity was calculated using the method presented in [Reference 1](#). Water density and water surface elevation were calculated using the methods presented in [Reference 2](#). Transducer based temperature measurements were used for water density calculations. The average temperatures from October 2008 through January/February 2009 were used for each of the groundwater monitoring locations. Measured groundwater temperatures did not show significant temporal variability. Due to the temporal variability of surface water temperatures, the temperature measured near the time of the specific conductance measurements was selected for use in the density calculations. The temperature recorded on February 2, 2009 at 14:43 from SW-1

was used for density calculations for monitoring locations SW-1 and SW-2. The SW-2 transducer was not operational near the time the specific conductance measurements were taken. Previously collected data indicate the water temperatures at SW-1 and SW-2 are similar.

**Table 2AA-202** presents a summary of the measured specific conductance, temperature and calculated salinity and density for each monitoring location. The temperatures presented are those used in the water density calculations.

## 2.0 REFERENCE HEADS

The head observed in a well varies with pressure, elevation, and water density. Two points in an aquifer that have equal pressures and elevations but different water densities will have different heads (**Reference 3** and **Reference 4**). As shown in **Table 2AA-202**, calculated densities for the monitoring locations vary from 1.022 to 1.048 grams per cubic centimeter. Because the observed head in each well is dependent on density which varies from well to well, reference heads were calculated for each well to provide density normalized head values. Reference heads were used to calculate horizontal and vertical hydraulic gradients.

Reference heads are calculated from observed head and density in each well with the following equation (**Reference 3**):

$$h_r = \frac{\rho}{\rho_r} h - \frac{(\rho - \rho_r)}{\rho_r} Z \quad (1)$$

where:

$h_r$  is the reference head (length — meters or feet)

$h$  is the observed head in the well/aquifer (length — meters or feet)

$Z$  is elevation (length — meters or feet)

$\rho$  is the density of water in the well (kilogram per cubic meter)

$\rho_r$  is the reference density (kilogram per cubic meter)

A reference head value was calculated with Equation (1) for each observed and accepted water level for each monitoring well. The elevation of the center of the screened interval was employed as the elevation,  $Z$ . A typical density for Biscayne

Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

Bay water was selected as the reference density. Salinity and temperature data have been collected monthly at 25 locations in Biscayne Bay by the South Florida Water Management District (SFWMD) since September 1993 (Reference 5). The median water temperature, 26.3°C, and median salinity, 34.3 Practical Salinity Units, from this data set were used to calculate a reference density,  $\rho_r$  of 1022.4 kilograms per cubic meter (1.022 grams per cubic centimeter or 63.8 pounds per cubic foot).

Tables 2AA-203 through 2AA-210 present the corrected reference head data used to generate the potentiometric surface maps presented in Figures 2.4.12-221 through 2.4.12-228.

### 3.0 DATA EVALUATION

Multiple transducers failed in the field resulting in missed data. Missing data are shown in the tables as “ND,” no data. Other transducers recorded data that were inconsistent with other nearby readings, erratic, or significantly (>0.2 feet) different than manually collected water level readings during the same time period. These data were judged to be not acceptable for use and are shown as “R,” rejected data, in the tables.

Data from locations OW-721U and OW-802U appear to be erratic from the start of the data collection period compared to data from other monitoring locations. Additionally, the transducer derived water level readings were more than 2 feet different than the manually collected data for the same time period. Data from these locations were not included in the received data submittal and are shown as ND, no data, in the tables.

The transducer derived water level readings for the SW-1 and OW-706L locations were more than 0.2 feet different than the manually collected data for the same time period. This difference is judged to be large for the plant area; therefore, there are no data from the SW-1 and OW-706L locations that are judged to be acceptable for use.

Differences of less than 0.13 feet were observed between manual and transducer derived water level measurements for monitoring locations: OW-606U, OW-606L, OW-621U, OW-621L, OW-636L, OW-706U, OW-721L, OW-802L, OW-805U, OW-805L, OW-809U, OW-809L, OW-812U, and SW-2.

Monitoring locations OW-636U, OW-735L, OW-735U, and OW-812L did not have functioning transducers at the time the manual water level measurements were taken (January 28-29, 2009). Data from these locations were judged as

acceptable for use if the data was consistent (i.e., similar variation in time and magnitude) with data from other monitoring locations that had small ( $\leq 0.2$  feet) differences between the manually collected and transducer derived water level readings.

Data from OW-606L appear to be anomalous. The elevation difference between the upper and lower potentiometric surfaces is much less at the OW-606U/OW-606L location than at the other paired monitoring locations. A poor seal around well OW-606L is suspected, resulting in a small elevation difference between the upper and lower potentiometric surfaces. Therefore, there are no data from OW-606L judged as acceptable for use. **Table 2AA-211** presents the time frames data are judged to be acceptable for use.

**Table 2AA-212** presents selected monthly observed water level data for July 2008 through January 2009. **Table 2AA-212** water level measurements were taken at approximately 1:00 p.m. **Table 2AA-213** presents the observed maximum and minimum recorded elevation for each monitoring location. Maximum and minimum values for each location are for the time frames presented in **Table 2AA-211**.

#### 4.0 REFERENCES

1. Wagner, R., Boulger, R. Jr., Oblinger, C, and Smith, B., *Guidelines and Standard Procedures for Continuous Water-Quality Monitors: Station Operation, Record Computation, Data Reporting*, U.S. Geological Survey Techniques and Methods 1-D3, 2006.
2. McKee, D., *Aqua TROLL<sup>®</sup> 200 Measurement Methodology*, In-Situ Incorporated, Technical Note, Fort Collins, Colorado, 2007.
3. Guo, W. and Langevin, C.D., *User's Guide to SEAWAT: A Computer Program for Simulation of Three-Dimensional Variable-Density Ground-Water Flow*, U.S. Geological Survey Techniques of Water-Resources Investigations Book 6, Chapter A7, 2002.
4. Langevin, C.D., Thorne, D.T., Dausman, A.M., Sukop, M.C. and Guo, W., *SEAWAT Version 4: A Computer Program for Simulation of Multi-Species Solute and Heat Transport*, U.S. Geological Survey Techniques and Methods Book 6, Chapter A22, 2008.
5. South Florida Water Management District (SFWMD), Biscayne Bay Monitoring Data web page. Available at <http://my.sfwmd.gov/dbhydroplsql/>

Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

[water\\_quality\\_interface.station\\_select\\_2?v\\_project=&v\\_project=BISC&v\\_js\\_flag=Y&v\\_access\\_by=project](http://water_quality_interface.station_select_2?v_project=&v_project=BISC&v_js_flag=Y&v_access_by=project). Accessed on: 9 June 2009.



Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

**Table 2AA-201  
Transducer Types**

Aqua TROLL	Level TROLL
OW-606L, OW-606U, OW-636L, OW-636U, OW-706L, OW-706U, OW-802L, OW-802U, OW-809U, SW-1	OW-621L, OW621U, OW-721L, OW-721U, OW-735L, OW-735U, OW-805L, OW-805U, OW-809L, OW-812L, OW-812U, SW-2

**Table 2AA-202  
Summary of Specific Conductance, Salinity, Temperature, and Density**

Location	Specific Conductance (mS/cm)	Salinity (PSU)	Temperature (°C)	Density (g/cm <sup>3</sup> )
OW-606L	72.4	49.8	28.28	1.033
OW-606U	62.8	42.3	28.13	1.028
OW-621L	73.9	51.0	27.62	1.035
OW-621U	58.3	38.9	27.72	1.025
OW-636L	52.5	34.6	27.04	1.022
OW-636U	68.4	46.7	26.81	1.032
OW-706L	48.6	31.7	29.28	1.020
OW-706U	77.3	53.7	29.13	1.036
OW-721L	73.7	50.8	29.07	1.034
OW-721U	63.8	43.1	28.90	1.028
OW-735L	77.9	54.2	30.09	1.036
OW-735U	77.5	53.8	30.40	1.036
OW-802L	56.2	37.3	28.09	1.024
OW-802U	70.8	48.5	28.04	1.033
OW-805L	71.0	48.7	27.44	1.033
OW-805U	59.8	40.0	27.26	1.026
OW-809L	60.8	40.8	30.90	1.026
OW-809U	79.0	55.1	30.47	1.037
OW-812L	65.1	44.1	33.58	1.027
OW-812U	77.3	53.7	33.54	1.035
SW-1	92.7	66.4	23.53	1.048
SW-2	91.6	65.4	23.53	1.047

Notes:

mS/cm = MilliSiemens per centimeter  
PSU = Practical Salinity Units  
g/cm<sup>3</sup> = Grams per cubic centimeter

Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

**Table 2AA-203**  
**Data for June 29, 2008 Potentiometric Surface Map; Approximately 7 a.m.,  
High Tide**

Well	Date/Time	Reference Head (feet NAVD 88)	Well	Date/Time	Reference Head (feet NAVD 88)
OW-606L	—	R	OW-606U	6/29/08 6:46 a.m.	-1.18
OW-621L	6/29/08 6:57 a.m.	0.77	OW-621U	6/29/08 6:47 a.m.	-0.98
OW-636L	6/29/08 7:17 a.m.	0.06	OW-636U	6/29/08 6:57 a.m.	-0.69
OW-706L	—	R	OW-706U	6/29/08 7:12 a.m.	-0.95
OW-721L	6/29/08 7:17 a.m.	1.94	OW-721U	—	ND
OW-735L	6/29/08 7:00 a.m.	2.20	OW-735U	6/29/08 6:54 a.m.	-1.21
OW-802L	6/29/08 7:15 a.m.	0.44	OW-802U	—	ND
OW-805L	6/29/08 7:30 a.m.	0.44	OW-805U	6/29/08 6:42 a.m.	-0.97
OW-809L	6/29/08 6:53 a.m.	0.54	OW-809U	6/29/08 7:14 a.m.	-1.14
OW-812L	6/29/08 7:25 a.m.	0.73	OW-812U	6/29/08 7:21 a.m.	-0.89

Notes:  
ND — No data  
R — Rejected data

**Table 2AA-204**  
**Data for June 29, 2008 Potentiometric Surface Map; Approximately 2 p.m.,  
Low Tide**

Well	Date/Time	Reference Head (feet NAVD 88)	Well	Date/Time	Reference Head (feet NAVD 88)
OW-606L	—	R	OW-606U	6/29/08 1:46 p.m.	-1.46
OW-621L	6/29/08 1:57 p.m.	0.45	OW-621U	6/29/08 1:47 p.m.	-1.30
OW-636L	6/29/08 2:17 p.m.	-0.24	OW-636U	6/29/08 1:57 p.m.	-1.02
OW-706L	—	R	OW-706U	6/29/08 2:12 p.m.	-1.11
OW-721L	6/29/08 2:17 p.m.	1.75	OW-721U	—	ND
OW-735L	6/29/08 2:00 p.m.	2.08	OW-735U	6/29/08 1:54 p.m.	-1.32
OW-802L	6/29/08 2:15 p.m.	0.22	OW-802U	—	ND
OW-805L	6/29/08 2:30 p.m.	0.09	OW-805U	6/29/08 1:42 p.m.	-1.32
OW-809L	6/29/08 1:53 p.m.	0.47	OW-809U	6/29/08 2:14 p.m.	-1.22
OW-812L	6/29/08 2:25 p.m.	0.61	OW-812U	6/29/08 2:21 p.m.	-0.99

Notes:  
ND — No data  
R — Rejected data

Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

**Table 2AA-205**  
**Data for August 15, 2008 Potentiometric Surface Map; Approximately 10 a.m., High Tide**

Well	Date/Time	Reference Head (feet NAVD 88)	Well	Date/Time	Reference Head (feet NAVD 88)
OW-606L	—	R	OW-606U	8/15/08 9:46 a.m.	-0.84
OW-621L	8/15/08 9:57 a.m.	1.08	OW-621U	8/15/08 9:47 a.m.	-0.64
OW-636L	8/15/08 10:17 a.m.	0.39	OW-636U	8/15/08 9:57 a.m.	-0.35
OW-706L	—	R	OW-706U	8/15/08 10:12 a.m.	-0.67
OW-721L	8/15/08 10:17 a.m.	2.18	OW-721U	—	ND
OW-735L	8/15/08 10:00 a.m.	2.46	OW-735U	8/15/08 9:54 a.m.	-0.93
OW-802L	8/15/08 10:15 a.m.	0.74	OW-802U	—	ND
OW-805L	8/15/08 10:30 a.m.	0.71	OW-805U	8/15/08 9:42 a.m.	-0.63
OW-809L	8/15/08 9:53 a.m.	0.68	OW-809U	8/15/08 10:14 a.m.	-0.90
OW-812L	8/15/08 10:25 a.m.	0.97	OW-812U	8/15/08 10:21 a.m.	-0.65

Notes:  
ND — No data  
R — Rejected data

**Table 2AA-206**  
**Data for August 15, 2008 Potentiometric Surface Map; Approximately 5 p.m., Low Tide**

Well	Date/Time	Reference Head (feet NAVD 88)	Well	Date/Time	Reference Head (feet NAVD 88)
OW-606L	—	R	OW-606U	8/15/08 4:46 p.m.	-1.26
OW-621L	8/15/08 4:57 p.m.	0.64	OW-621U	8/15/08 4:47 p.m.	-1.09
OW-636L	8/15/08 5:17 p.m.	-0.01	OW-636U	8/15/08 4:57 p.m.	-0.80
OW-706L	—	R	OW-706U	8/15/08 5:12 p.m.	-0.96
OW-721L	8/15/08 5:17 p.m.	1.87	OW-721U	—	ND
OW-735L	8/15/08 5:00 p.m.	2.19	OW-735U	8/15/08 4:54 p.m.	-1.20
OW-802L	8/15/08 5:15 p.m.	0.39	OW-802U	—	ND
OW-805L	8/15/08 5:30 p.m.	0.28	OW-805U	8/15/08 4:42 p.m.	-1.11
OW-809L	8/15/08 4:53 p.m.	0.46	OW-809U	8/15/08 5:14 p.m.	-1.12
OW-812L	8/15/08 5:25 p.m.	0.73	OW-812U	8/15/08 5:21 p.m.	-0.88

Notes:  
ND — No data  
R — Rejected data

Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

**Table 2AA-207**  
**Data for October 5, 2008 Potentiometric Surface Map; Approximately 1 a.m.,  
High Tide**

Well	Date/Time	Reference Head (feet NAVD 88)	Well	Date/Time	Reference Head (feet NAVD 88)
OW-606L	—	ND	OW-606U	10/5/08 12:46 a.m.	0.40
OW-621L	10/5/08 12:57 a.m.	2.30	OW-621U	10/5/08 12:47 a.m.	0.63
OW-636L	10/5/08 1:17 a.m.	1.52	OW-636U	10/5/08 12:57 a.m.	0.83
OW-706L	—	R	OW-706U	10/5/08 1:12 a.m.	0.57
OW-721L	10/5/08 1:17 a.m.	3.26	OW-721U	—	ND
OW-735L	10/5/08 1:00 a.m.	3.56	OW-735U	10/5/08 12:54 a.m.	0.40
OW-802L	10/5/08 1:00 a.m.	2.08	OW-802U	—	ND
OW-805L	10/5/08 12:36 a.m.	1.94	OW-805U	10/5/08 12:42 a.m.	0.58
OW-809L	10/5/08 12:53 a.m.	2.04	OW-809U	10/5/08 1:14 a.m.	0.54
OW-812L	—	ND	OW-812U	10/5/08 1:21 a.m.	0.76

Notes:  
ND — No data  
R — Rejected data

**Table 2AA-208**  
**Data for October 5, 2008 Potentiometric Surface Map; Approximately 8 a.m.,  
Low Tide**

Well	Date/Time	Reference Head (feet NAVD 88)	Well	Date/Time	Reference Head (feet NAVD 88)
OW-606L	—	ND	OW-606U	10/5/08 7:46 a.m.	-0.04
OW-621L	10/5/08 7:57 a.m.	1.82	OW-621U	10/5/08 7:47 a.m.	0.16
OW-636L	10/5/08 8:17 a.m.	1.05	OW-636U	10/5/08 7:57 a.m.	0.35
OW-706L	—	R	OW-706U	10/5/08 8:12 a.m.	0.30
OW-721L	10/5/08 8:17 a.m.	2.95	OW-721U	—	ND
OW-735L	10/5/08 8:00 a.m.	3.35	OW-735U	10/5/08 7:54 a.m.	0.18
OW-802L	10/5/08 8:00 a.m.	1.71	OW-802U	—	ND
OW-805L	10/5/08 7:36 a.m.	1.44	OW-805U	10/5/08 7:42 a.m.	0.06
OW-809L	10/5/08 7:53 a.m.	1.88	OW-809U	10/5/08 8:14 a.m.	0.39
OW-812L	—	ND	OW-812U	10/5/08 8:21 a.m.	0.57

Notes:  
ND — No data  
R — Rejected data

Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

**Table 2AA-209**  
**Data for January 20, 2009 Potentiometric Surface Map; Approximately 7 p.m.,  
High Tide**

Well	Date/Time	Reference Head (feet NAVD 88)	Well	Date/Time	Reference Head (feet NAVD 88)
OW-606L	—	R	OW-606U	1/20/09 7:16 p.m.	-2.37
OW-621L	1/20/09 6:48 p.m.	-0.34	OW-621U	1/20/09 6:43 p.m.	-2.18
OW-636L	1/20/09 6:32 p.m.	-1.15	OW-636U	—	ND
OW-706L	—	R	OW-706U	1/20/09 6:55 p.m.	-2.08
OW-721L	1/20/09 7:29 p.m.	0.57	OW-721U	—	ND
OW-735L	—	ND	OW-735U	—	ND
OW-802L	1/20/09 6:58 p.m.	-0.67	OW-802U	—	ND
OW-805L	1/20/09 7:05 p.m.	-0.80	OW-805U	1/20/09 7:17 p.m.	-2.14
OW-809L	1/20/09 7:28 p.m.	-0.91	OW-809U	1/20/09 6:34 p.m.	-2.39
OW-812L	—	ND	OW-812U	1/20/09 6:32 p.m.	-2.11

Notes:

ND — No data

R — Rejected data

**Table 2AA-210**  
**Data for January 21, 2009 Potentiometric Surface Map; Approximately 2 a.m.,  
Low Tide**

Well	Date/Time	Reference Head (ft)	Well	Date/Time	Reference Head (ft)
OW-606L	—	R	OW-606U	1/21/09 2:16 a.m.	-2.99
OW-621L	1/21/09 1:48 a.m.	-0.97	OW-621U	1/21/09 1:43 a.m.	-2.82
OW-636L	1/21/09 1:32 a.m.	-1.68	OW-636U	—	ND
OW-706L	—	R	OW-706U	1/21/09 1:55 a.m.	-2.67
OW-721L	1/21/09 2:29 a.m.	-0.03	OW-721U	—	ND
OW-735L	—	ND	OW-735U	—	ND
OW-802L	1/21/09 1:58 a.m.	-1.36	OW-802U	—	ND
OW-805L	1/21/09 2:05 a.m.	-1.42	OW-805U	1/21/09 2:17 a.m.	-2.77
OW-809L	1/21/09 2:28 a.m.	-1.53	OW-809U	1/21/09 1:34 a.m.	-3.01
OW-812L	—	ND	OW-812U	1/21/09 1:32 a.m.	-2.75

Notes:

ND — No data

R — Rejected data

Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

**Table 2AA-211**  
**Data Acceptable for Use**

Location	Start	End
OW-606U	6/4/08 12:46 p.m. 9/25/08 1:46 p.m.	8/17/08 11:46 a.m. 2/4/09 8:16 a.m.
OW-621L	6/9/08 10:57 a.m.	1/30/09 2:48 p.m.
OW-621U	6/9/08 10:47 a.m. 9/25/08 12:47 a.m.	8/17/08 1:47 p.m. 1/30/09 2:43 p.m.
OW-636L	6/25/08 4:17 p.m.	1/29/09 12:32 p.m.
OW-636U	6/10/08 9:57 a.m.	12/6/08 6:42 p.m.
OW-706U	6/5/08 2:12 p.m.	2/3/09 11:55 a.m.
OW-721L	6/6/08 9:17 a.m.	1/30/09 3:29 p.m.
OW-735L	6/9/08 1:00 p.m.	10/9/08 12:00 p.m.
OW-735U	6/9/08 12:54 p.m.	12/21/08 1:09 a.m.
OW-802L	6/6/08 12:15 p.m.	2/3/09 9:58 a.m.
OW-805L	6/10/08 8:30 a.m. 9/24/08 8:36 a.m.	8/17/08 12:30 p.m. 1/30/09 2:05 p.m.
OW-805U	6/10/08 8:42 a.m.	1/30/09 2:17 p.m.
OW-809L	6/5/08 10:53 a.m.	1/30/09 3:28 p.m.
OW-809U	6/5/08 9:14 a.m.	2/4/09 12:34 p.m.
OW-812L	6/6/08 1:25 p.m.	9/22/08 7:25 a.m.
OW-812U	6/6/08 1:21 p.m.	1/30/09 3:32 p.m.
SW-2	6/9/08 7:30 a.m.	1/30/09 4:09 p.m.

Note: Data from locations SW-1, OW-606L, OW-706L, OW-721U, and OW-802U were either missing or judged to be not acceptable for use.

Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

**Table 2AA-212**  
**Selected Monthly Water Level Data; Approximately 1 p.m.**

Location	Elevation (ft NAVD 88)						
	1-Jul-08	1-Aug-08	1-Sep-08	1-Oct-08	1-Nov-08	1-Dec-08	1-Jan-09
OW-606L	R	R	R	ND	R	R	R
OW-606U	-1.76	-1.33	R	0.07	-0.48	-1.07	-1.58
OW-621L	-0.94	-0.52	0.37	0.84	0.37	-0.20	-0.70
OW-621U	-1.54	-1.08	R	0.37	-0.20	-0.80	-1.34
OW-636L	-0.36	0.05	0.93	1.24	0.92	0.26	-0.33
OW-636U	-1.32	-0.90	-0.04	0.41	-0.12	-0.74	ND
OW-706L	R	R	R	R	R	R	R
OW-706U	-1.67	-1.32	-0.48	-0.03	-0.38	-0.98	-1.53
OW-721L	0.34	0.67	1.49	1.95	1.34	0.77	0.28
OW-721U	ND	ND	ND	ND	ND	ND	ND
OW-735L	0.42	0.76	1.50	1.90	ND	ND	ND
OW-735U	-1.87	-1.50	-0.70	-0.15	-0.61	-1.21	R
OW-802L	-0.21	0.18	1.08	1.64	1.17	0.57	0.09
OW-802U	ND	ND	ND	ND	ND	ND	ND
OW-805L	-0.96	-0.53	R	0.84	0.26	-0.32	-0.81
OW-805U	-1.55	-1.10	-0.18	0.31	-0.21	-0.80	-1.30
OW-809L	-0.22	0.04	0.82	1.43	0.78	0.17	-0.39
OW-809U	-1.84	-1.51	-0.69	-0.07	-0.65	-1.25	-1.81
OW-812L	-0.19	0.14	0.95	R	R	R	ND
OW-812U	-1.55	-1.23	-0.41	0.19	-0.35	-0.95	-1.49
SW-1	R	R	R	R	R	R	R
SW-2	-2.31	-1.97	-1.15	-0.56	-0.99	-1.65	-2.32

Notes:

ND — No data

R — Rejected data

Recorded water level elevations are observed levels in each well. These elevations have not been adjusted to reference heads.

Turkey Point Units 6 & 7  
COL Application  
Part 2 — FSAR

**Table 2AA-213**  
**Maximum and Minimum Recorded Water Level Elevations**

Well	Maximum Elevation (ft NAVD 88)	Minimum Elevation (ft NAVD 88)	Well	Maximum Elevation (ft NAVD 88)	Minimum Elevation (ft NAVD 88)
OW-606L	N/A	N/A	OW-606U	0.27	-3.24
OW-621L	1.05	-2.31	OW-621U	0.56	-3.00
OW-636L	1.52	-1.75	OW-636U	0.62	-1.97
OW-706L	N/A	N/A	OW-706U	0.25	-3.09
OW-721L	2.09	-1.31	OW-721U	N/A	N/A
OW-735L	2.15	-0.26	OW-735U	0.12	-2.55
OW-802L	1.91	-1.67	OW-802U	N/A	N/A
OW-805L	0.99	-2.45	OW-805U	0.48	-2.99
OW-809L	1.70	-2.01	OW-809U	0.24	-3.42
OW-812L	1.17	-0.88	OW-812U	0.51	-3.12
SW-1	N/A	N/A	SW-2	-0.26	-3.90

Notes:

N/A — not applicable due to rejected or missing data

Maximum and minimum values at each location are for the time frames presented in [Table 2AA-211](#).

Maximum and minimum water level elevations are observed levels in each well. These elevations have not been adjusted to reference heads.