

APT ANALYSIS

SITE: FP&L Coal Gassification Plant - Site BTW-2
 Section 4 Township 40 S Range 38 E

652258
977089

REPORT: _____

GEOLOGIC DATA: pg. _____, _____

WELL NUMBER OF WELL DESCRIBED: BTW-2

DEPTH (LSD)	LITHOLOGY
<u>0-12</u>	<u>sand, dk brown to gray, fine-med, silty, trace shells, clay lens 12-12.5'</u>
<u>12-17</u>	<u>limestone, hard, sandy, gray 14.5-16 organics, sand void</u>
<u>17-35</u>	<u>sandy limestone & shells, clayey sand</u>
<u>35-55</u>	<u>dk greenish gray clayey sand, thin shell lenses</u>
<u>55-80</u>	<u>shells & shell fragm, gray & tan, some sand, trace limestone, minor clayey fines</u>
Tamiami ← <u>80-100</u>	<u>shell & shell fragm, lt greenish gray, some sand, marly, trace limestone, milky</u>
<u>100-134</u>	<u>sand, lt greenish gray, weakly cemented, minor shell, milky, marly</u>
Hawthorn ← <u>134-140</u>	<u>shells & sandy clay, olive green, fine sand, med. plastic</u>
<u>140-150</u>	<u>silty clay; olive green, soft, plastic, trace fine sand</u>

Producing zone interval: 55-80 (25') (lsd) _____ (msl) L.S. 23.26 @ PW

Aquifer name: _____

Static Water Level at the site is approximately _____ ft. msl.

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth	Cased Depth	Scr/Open Intervl	Slot Size	Radius
<u>BTW-2</u>	<u>8"</u>	<u>142</u>	<u>26.8</u>	<u>27-36, 57-66</u>	<u>.030</u>	<u>0</u>
				<u>92-96, 113-122</u>		
				<u>132-136</u>		
<u>ZOBS</u>	<u>2"</u>	<u>135</u>	<u>21.1</u>	<u>21-35, 56-75</u>	<u>.040</u>	<u>68.1</u>
				<u>85-95, 125-130</u>		

Max drawdown

9.73

INFLUENCING FACTORS:

APT: pg. _____

Started: April 24, 1989 1000 AM

Duration: 1320 min = 22 hours

Discharge: 206 gpm

Recovery: 511 min = 8.5 hours

Comments:

1) max drawdown - obs - 9.73'

2) _____

3) _____

CONSULTANT'S ANALYSIS: pg. _____

Method: _____

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

Method: _____

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

Method: _____

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

REANALYSIS:

Method: Cooper

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance (day ⁻¹)
<u>BTW-20BS</u>	<u>17,883</u>	<u>1.86 x 10⁻⁴</u>	<u>2.06 x 10⁻⁴</u>
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

Method: _____

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ()
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

RECOMMENDED VALUES:

Transmissivity (GPD/FT)	Specific Yield or Storage	Leakance
_____	_____	_____
_____	_____	_____

REFERENCES: