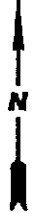


**FLUOR DANIEL GTI** 

SOURCE: U.S.G.S. 7.5' QUAD SHEET  
 MORRO BAY NORTH, CA  
 PHOTOREVISED 1993  
 MORRO BAY SOUTH, CA  
 PHOTOREVISED 1994



SCALE:  
 0 FEET 2000

**PHASE II ENVIRONMENTAL  
 SITE ASSESSMENT  
 SITE LOCATION MAP**

CLIENT: PACIFIC GAS AND  
 ELECTRIC COMPANY

DATE: 11/26/96

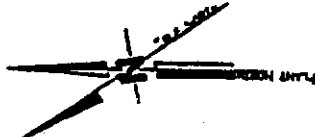
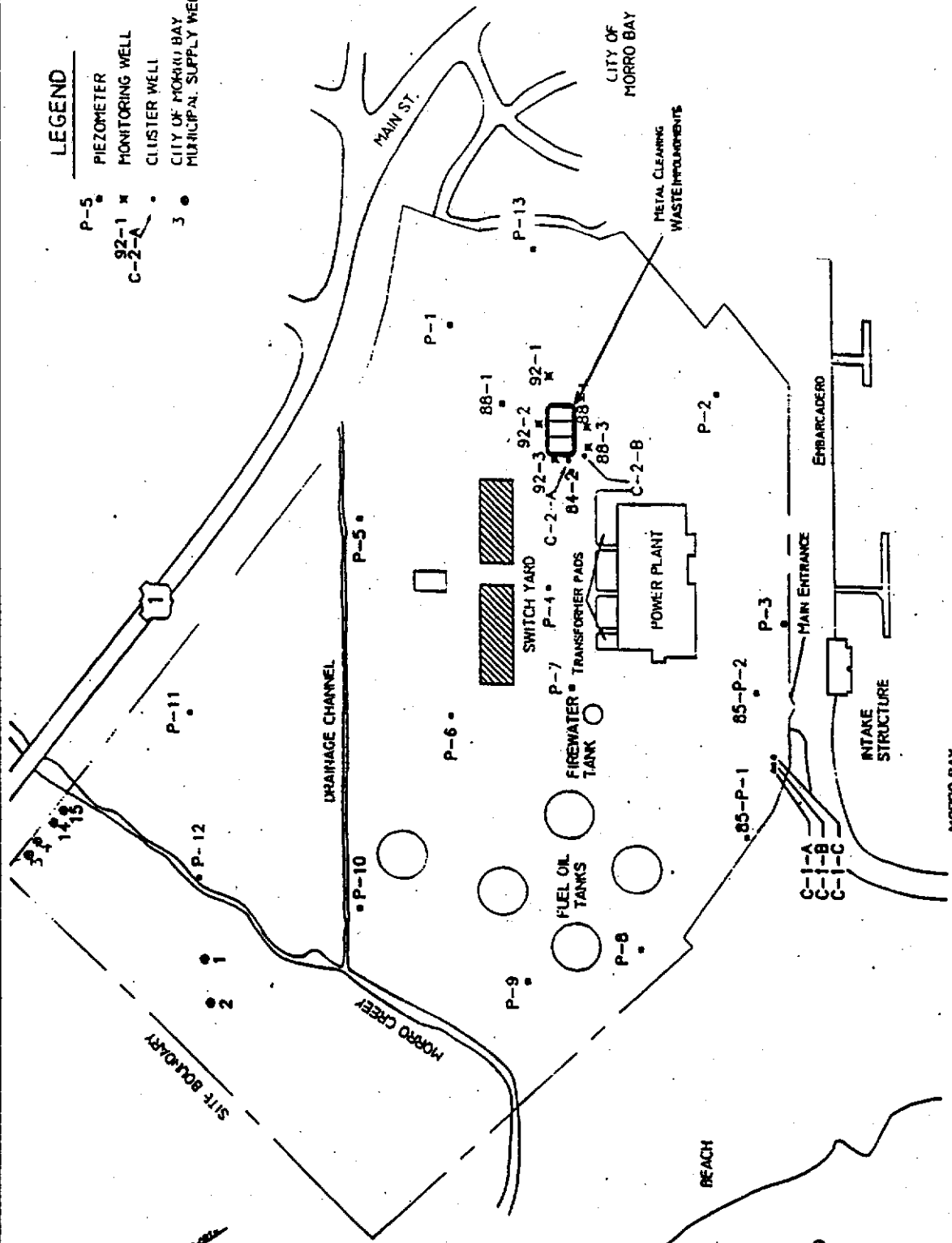
LOCATION: MORRO BAY POWER PLANT  
 MORRO BAY, CALIFORNIA

Draft WDR Attachment No. 1  
 October 22, 2004 Meeting  
 Renewal of WDR's  
 Order No. R3-2004-0105

ESW - SACT01/CAD: N:\DWG\22638.100\001\Soellie01.dwg Wed, 14/Jul/99 09:04am akher

**LEGEND**

- P-5 • PIEZOMETER
- 92-1 x MONITORING WELL
- C-2-A • CLUSTER WELL
- 3 • CITY OF MORRO BAY MUNICIPAL SUPPLY WELL



**FIGURE 1**  
DUKE ENERGY NORTH AMERICA  
MORRO BAY POWER PLANT  
GROUNDWATER MONITORING SYSTEM

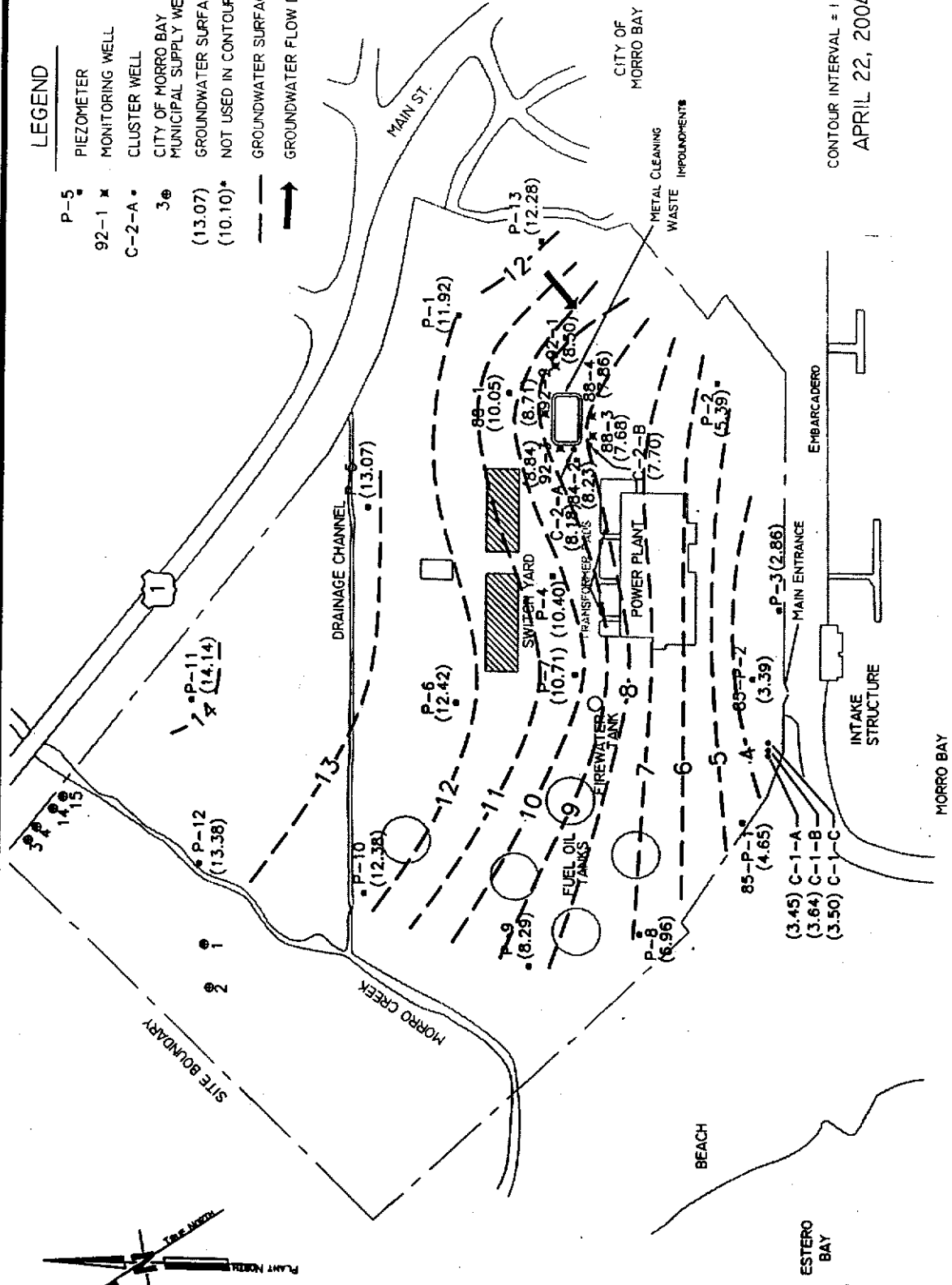
DATE	07/1999
DWN	DF
APP	8
REV	
PROJECT NO.	22638-100.001



Draft WDR Attachment No. 2  
October 22, 2004 Meeting  
Renewal of WDR's  
Order No. R3-2004-0105  
Duke Energy MBPP

**LEGEND**

- P-5      PIEZOMETER
- 92-1 x   MONITORING WELL
- C-2-A •   CLUSTER WELL
- 3 @      CITY OF MORRO BAY MUNICIPAL SUPPLY WELL
- (13.07)   GROUNDWATER SURFACE LOCATION (MLLW)
- (10.10)\*   NOT USED IN CONTOURING
- GROUNDWATER SURFACE CONTOUR
- GROUNDWATER FLOW DIRECTION



CONTOUR INTERVAL = 1 FT.  
APRIL 22, 2004

DATE	June 2004
DWN	CSB
APP	J.A.
REV	
PROJECT NO.	825804

**FIGURE 3**  
**DUKE ENERGY NORTH AMERICA**  
**MORRO BAY POWER PLANT**  
WATER TABLE SURFACE MAP  
SECOND QUARTER, 2004

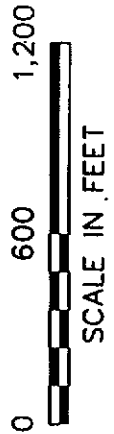
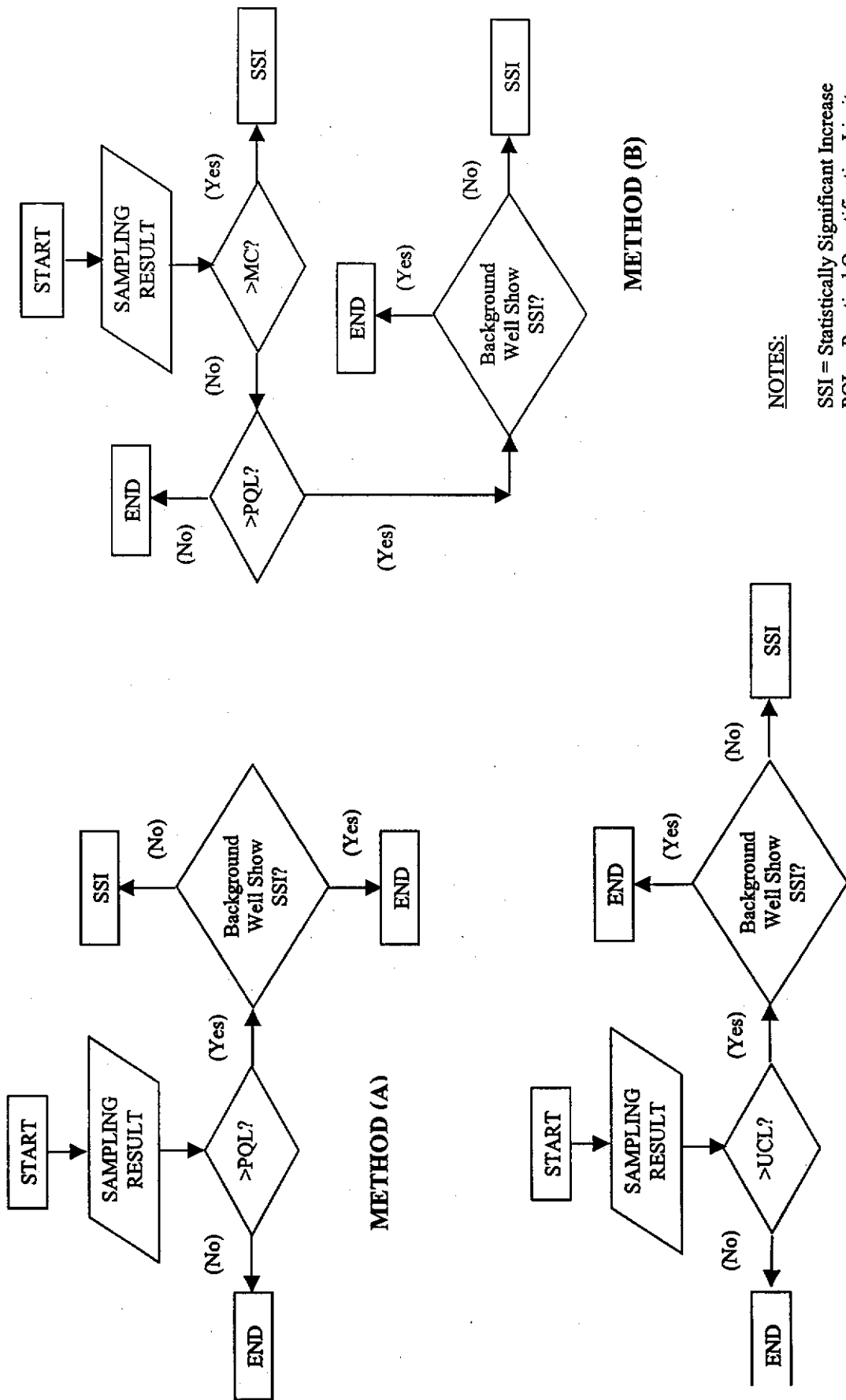


FIGURE 1

STATISTICAL METHOD ANALYSIS FLOWCHART



NOTES:

- SSI = Statistically Significant Increase
- PQL = Practical Quantification Limit
- MC = Maximum Background Concentration
- UCL = X-Bar Control Chart Upper Limit

**Table 1**  
**Summary of Statistical Analysis Methodology**

Updated June 98  
Data Through Oct 97

Parameters	WELL IDENTIFICATION				
	92-1 Background	92-2 Compliance	92-3 Compliance	88-3 Compliance	88-4 Compliance
<b>MONITORING PARAMETERS (Results in mg/l)</b>					
Bromide	Method (C) PQL=0.1 UCL= 1.57	Method (C) PQL=0.1 UCL= 1.69	Method (C) PQL=0.1 UCL= 1.01	Method (C) PQL=0.1 UCL= 1.53	Method (C) PQL=0.1 UCL= 1.79
Copper	Method (A) PQL=0.025	Method (A) PQL=0.025	Method (B) PQL=0.025 MC= 0.052	Method (A) PQL=0.025	Method (A) PQL=0.025
Fluoride	Method (C) PQL=0.15 UCL= 0.34	Method (C) PQL=0.15 UCL= 0.48	Method (C) PQL=0.15 UCL= 0.49	Method (C) PQL=0.15 UCL= 0.55	Method (C) PQL=0.15 UCL= 0.81
Sulfate	Method (C) PQL=0.059 UCL= 111.7	Method (C) PQL=0.059 UCL= 118.6	Method (C) PQL=0.059 UCL= 144.5	Method (C) PQL=0.059 UCL= 108.8	Method (C) PQL=0.059 UCL= 117.99
Ammonia	Method (B) PQL=0.05 MC= 0.13	Method (C) PQL=0.05 UCL= 0.67	Method (C) PQL=0.05 UCL= 0.83	Method (C) PQL=0.05 UCL= 0.74	Method (C) PQL=0.05 UCL= 0.88
<b>CONSTITUENTS OF CONCERN (Results in mg/l)</b>					
Arsenic	Method (A) PQL=0.01	Method (A) PQL=0.01	Method (A) PQL=0.01	Method (A) PQL=0.01	Method (A) PQL=0.01
Barium	Method (A) PQL=0.2	Method (A) PQL=0.2	Method (A) PQL=0.2	Method (A) PQL=0.2	Method (B) PQL=0.2 MC= 0.21
Chromium (total)	Method (C) PQL=0.01 UCL=0.047	Method (B) PQL= 0.01 MC= 0.015	Method (A) PQL=0.01	Method (B) PQL=0.01 MC= 0.011	Method (A) PQL=0.01
Cobalt	Method (A) PQL=0.05	Method (A) PQL=0.05	Method (A) PQL=0.05	Method (A) PQL=0.05	Method (A) PQL=0.05
Iron	Method (B) PQL=0.1 MC= 0.12	Method (C) PQL=0.1 UCL= 2.84	Method (C) PQL=0.1 UCL= 0.58	Method (C) PQL=0.1 UCL= 0.41	Method (C) PQL=0.1 UCL= 0.31
Magnesium	Method (C) PQL=2.0 UCL= 80.36	Method (C) PQL=2.0 UCL= 183.6	Method (C) PQL=2.0 UCL= 103.3	Method (C) PQL=2.0 UCL= 143.9	Method (C) PQL=2.0 UCL= 149.09
Nickel	Method (B) MC= 0.042	Method (A) PQL=0.04	Method (A) PQL=0.04	Method (A) PQL=0.04	Method (A) PQL=0.04
Vanadium	Method (A) PQL=0.05	Method (A) PQL=0.05	Method (A) PQL=0.05	Method (A) PQL=0.05	Method (A) PQL=0.05
Zinc	Method (B) MC= 0.025	Method (A) PQL=0.02	Method (A) PQL=0.02	Method (A) PQL=0.02	Method (A) PQL=0.02