

Security Related Information Figure Withheld Under 10 CFR 2.390

FIGURE 1.2-33
GENERAL ARRANGEMENT NORMAL SWING-GEAR BUILDING
REACTOR NO-LOAD POWER CONFIGURATION MINE MILE POINT-UNIT 2 IMPAIRED SAFETY MESA MINE RE-UNIT

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FIGURE 1.2-34

GENERAL ARRANGEMENT
AUXILIARY BOILER HOUSE

NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT-UNIT 2
UPDATED SAFETY ANALYSIS REPORT

USAR REVISION 0

APRIL 1989

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FIGURE 1.2-35

GENERAL ARRANGEMENT
STANDBY GAS TREATMENT
BUILDING EL. 261'-0"

NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT-UNIT 2
FINAL SAFETY ANALYSIS REPORT

AMENDMENT 26

MAY 1986

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FIGURE 1.2-36

GENERAL ARRANGEMENT STANDBY GAS
TREATMENT BUILDING AND RAILROAD
ACCESS LOCK SECTION

NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT-UNIT 2
FINAL SAFETY ANALYSIS REPORT

AMENDMENT 26

MAY 1986

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FIGURE 1.2-37

GENERAL ARRANGEMENT
CONDENSATE STORAGE TANK BUILDING
SHEET 1 OF 2

NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT-UNIT 2
FINAL SAFETY ANALYSIS REPORT

AMENDMENT 26

MAY 1986

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FIGURE 1.2-37

GENERAL ARRANGEMENT
CONDENSATE STORAGE TANK BUILDING
SHEET 2 OF 2

NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT-UNIT 2
FINAL SAFETY ANALYSIS REPORT

AMENDMENT 26

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PLAN

FIGURE 1.2-38

COOLING TOWER FILL
LEVEL PLAN AND SECTION

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NINE MILE POINT-UNIT 2
FINAL SAFETY ANALYSIS REPORT

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FIGURE 1.2-39

COOLING TOWER SECTION
BELOW THE FILL LEVEL

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NINE MILE POINT-UNIT 2
FINAL SAFETY ANALYSIS REPORT

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FIGURE 1.2-40

GENERAL ARRANGEMENT
HYDROGEN STORAGE
AREA

NINE MILE POINT-UNIT 2
UPDATED SAFETY ANALYSIS REPORT

USAR Revision 15

October 2002

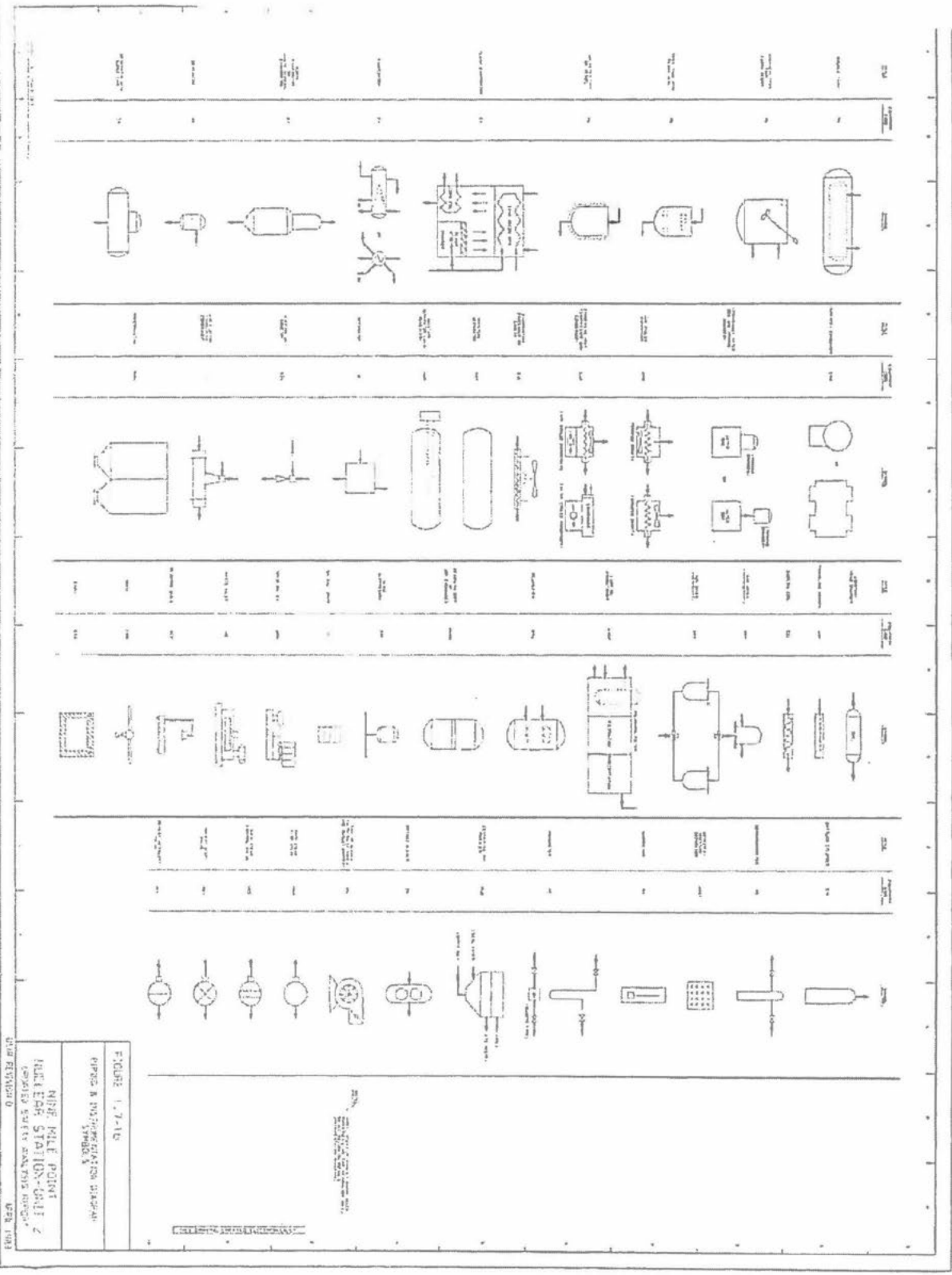
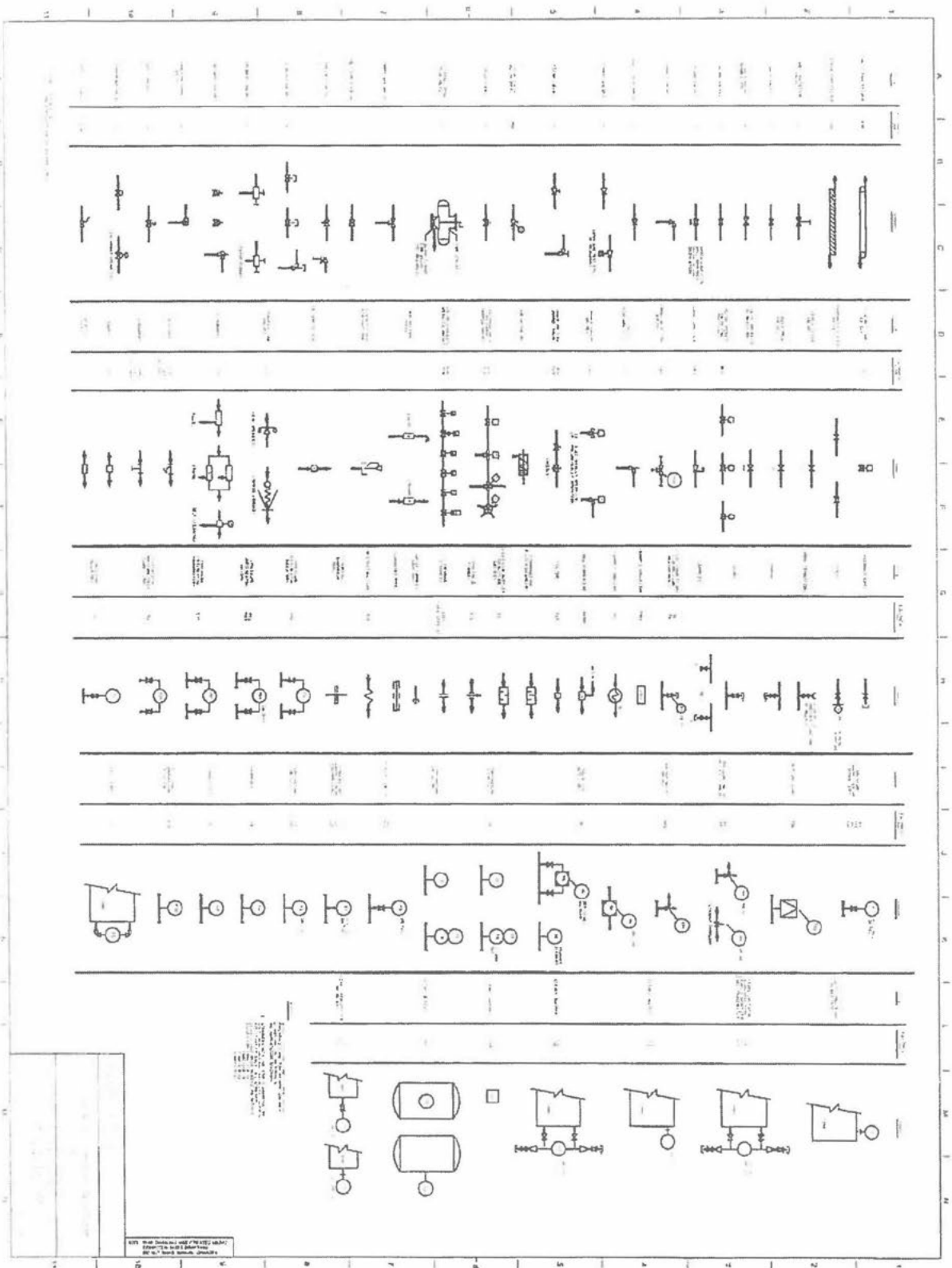


FIGURE 1.7-10
 RISE PILE POINT
 MULTI-PILE STATION-CELL 2
 (SEE ALSO FIGURE 1.7-9)

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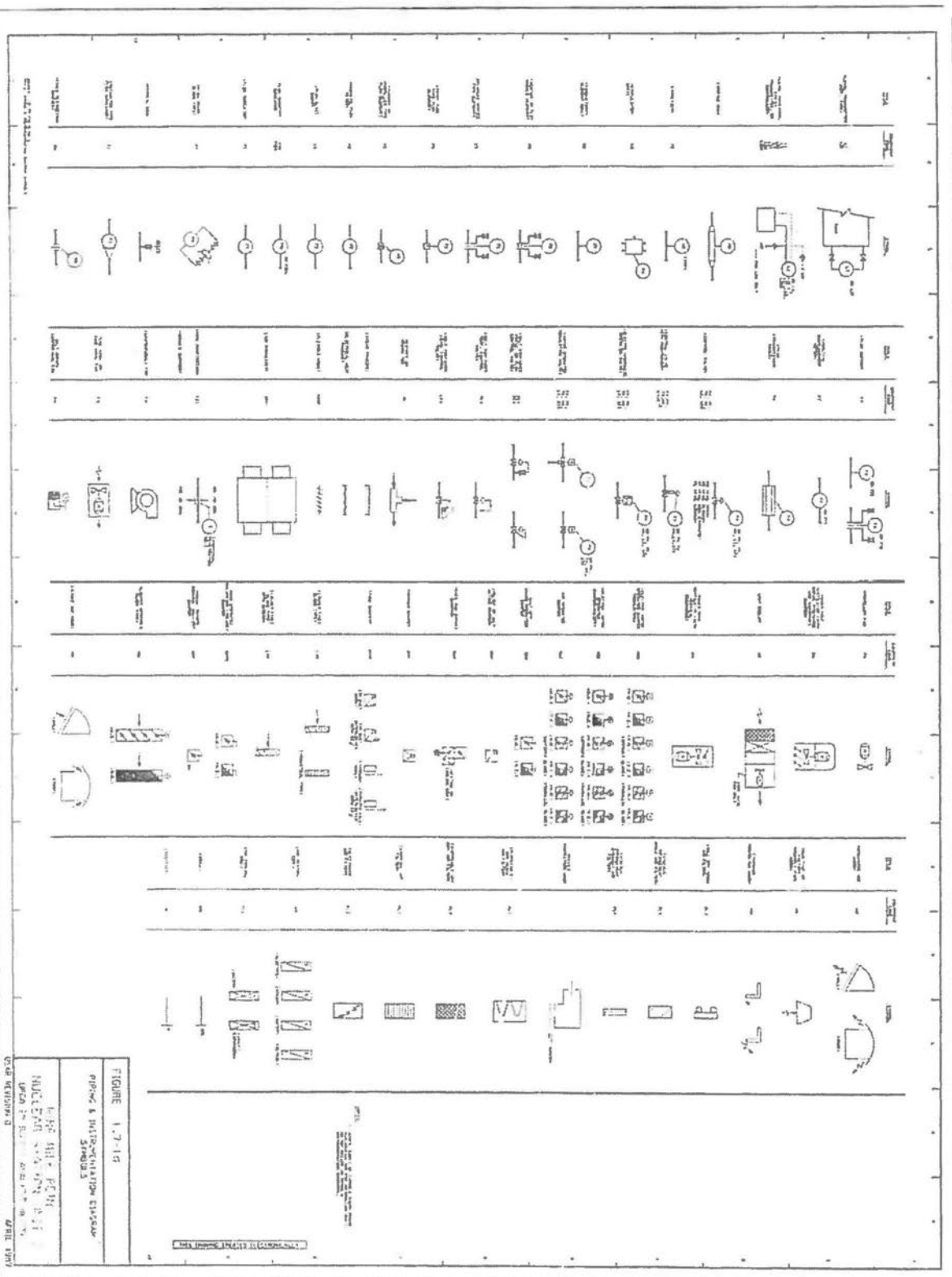
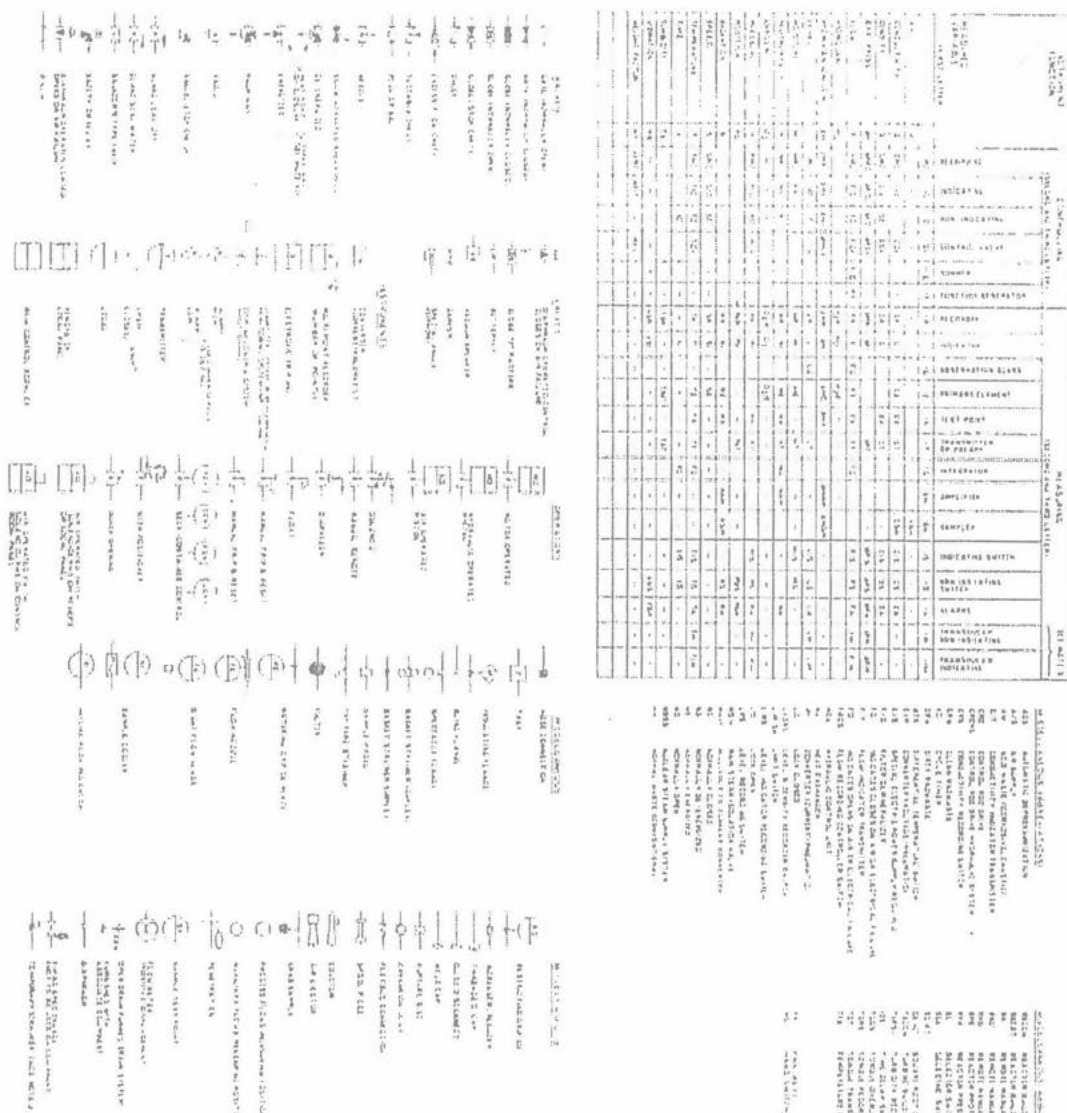


FIGURE 1.7-15
 SYMBOLS & ABBREVIATIONS
 SYMBOLS
 E1 RES
 E2 VAR
 E3 IND
 E4 DI
 E5 TR
 E6 IC
 E7 REL
 E8 SW
 E9 LAMP
 E10 SPK



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SYMBOL	LOGIC FUNCTION	DESCRIPTION
	AND	ALL INPUTS A, B, AND C ARE REQUIRED BEFORE PROCEEDING TO D
	OR	ANY INPUT A, B, OR C IS REQUIRED BEFORE PROCEEDING TO D
	COUNTING	ANY TWO INPUTS A, B, OR C ARE REQUIRED BEFORE PROCEEDING TO D
	NOT	OUTPUT B EXISTS ONLY WHEN INPUT A DOES NOT EXIST
	RETENTIVE MEMORY	MOMENTARY INPUT A CAUSES CONTINUOUS OUTPUT C. MOMENTARY INPUT B CANCELS OUTPUT C IF INPUT A IS NOT PRESENT. OUTPUT C REMAINS UNCHANGED ON LOSS OF POWER
	TIME DELAY	CONTINUOUS INPUT A PRODUCES OUTPUT B AFTER DESIGNATED TIME. WHEN INPUT IS REMOVED, OUTPUT IS LOST AND TIME DELAY IS RESET.
	TIME RETENTION	CONTINUOUS INPUT A PRODUCES IMMEDIATE OUTPUT B FOR DESIGNATED RETENTION TIME, THEN OUTPUT B IS LOST. WHEN INPUT IS REMOVED RETENTION IS RESET.

SYMBOL	LOGIC FUNCTION	DESCRIPTION
	INSTRUMENT SOURCE	2-UNIT NUMBER CHS-CIRCULATING WATER SYSTEM REFER TO S&W CODE C-1 TE-TEMPERATURE ELEMENT REFER TO S&W CODE C-3 IA-INSTRUMENT A ON LOOP DIAGRAM 1
	ELECTRICAL DEVICE SOURCE	53- POSITION SWITCH 52- CIRCUIT BREAKER OR CONTACTOR 50- WICHINE THERMAL RELAY 52- AC CIRCUIT BREAKER ETC. REFER TO E&A-
	CONDITION	STATEMENT OF OPERATING STATUS
	RESULTANT	STATEMENT OF INTERMEDIATE OR FINAL ACTION
	CONTROL ACTION	CONTROL DEVICES 3M- SWITCH 3R- SPRING RETURN PB- PUSH BUTTON
	ALPHABETICAL REFERENCE TO SAME SHEET	
	NUMERICAL REFERENCE TO ANOTHER SHEET	

SYMBOL	LOGIC FUNCTION	DESCRIPTION
	INDICATING LIGHTS	R-RED G-GREEN A-AMBER W-WHITE B-BLUE
	ALARM	A-ANNUNCIATOR C-COMPUTER ALARM D-DATA LOGGER PMR-POST MORTEM RECORDER
	COMMON ALARM	SIMILAR EQUIPMENT
	INDICATOR ON RECORDER	
LOCATIONS B - MAIN CONTROL BOARD SG - STANDBY DIESEL GENERATOR PANEL L - LOCAL M - MOTOR S - MEDIUM VOLTAGE SWITCHGEAR US - LOW VOLTAGE SWITCHGEAR MC - MOTOR CONTROL CENTER U - UNIT (TURBINE GENERATOR) ETC. REFER TO E&A- FOR SPECIFIC LOCATION. HVAC - HVAC PANEL		

NOTE:
FOR LATEST SET POINT INFORMATION
SEE SET POINT DATA SHEET

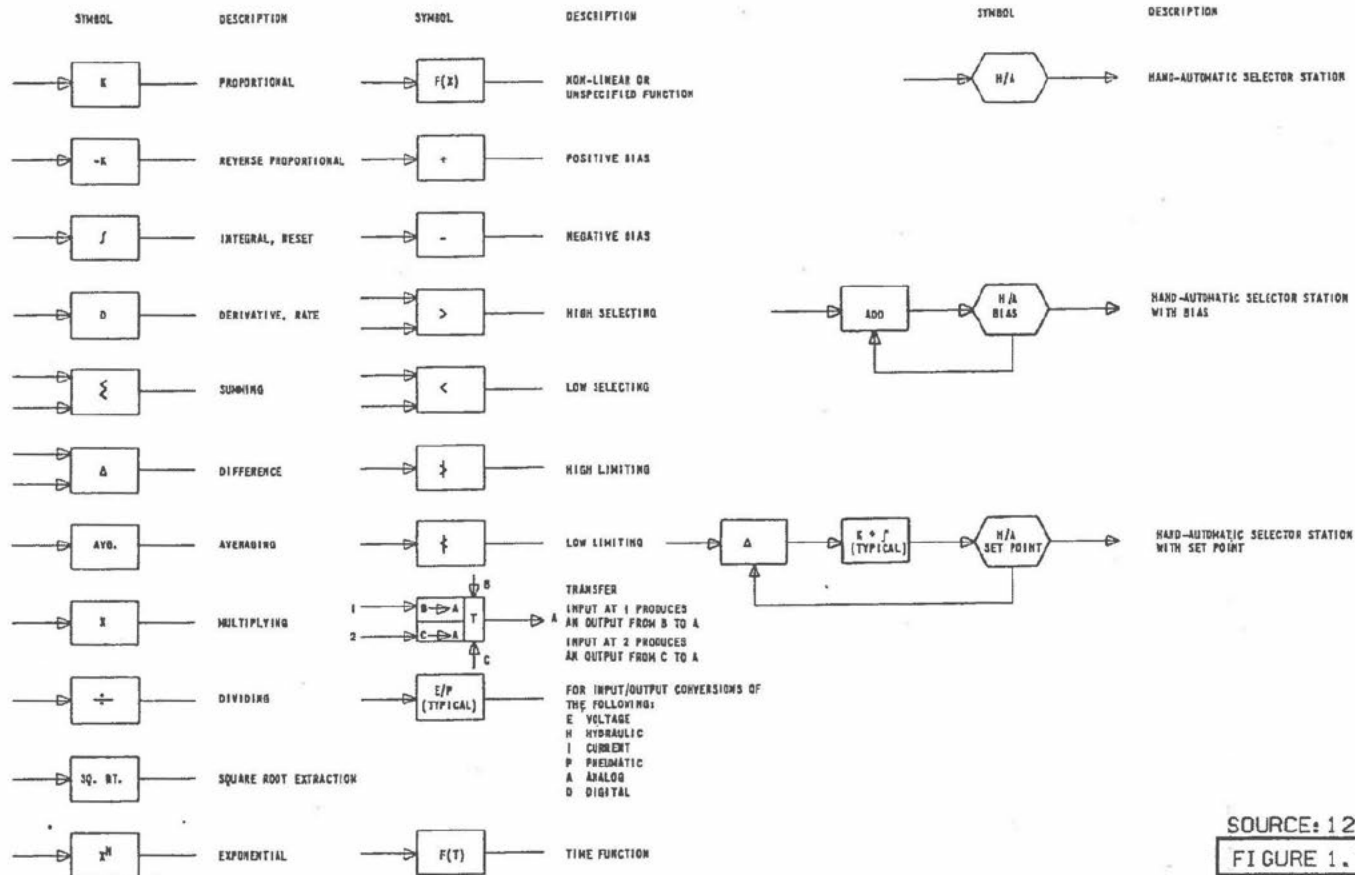
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FIGURE 1.7-3

LOGIC DIAGRAMS SYMBOLS (SWEC)

SHEET 1 OF 2

NIAGARA MOHAWK POWER CORP.
NINE MILE POINT-UNIT 2
UPDATED SAFETY ANALYSIS REPORT



NOTE:
FOR LATEST SET POINT INFORMATION
SEE SET POINT DATA SHEET

SOURCE: 12177-LSK-0-2B REV.2

FIGURE 1.7-3

LOGIC DIAGRAMS SYMBOLS
(SWEC)

SHEET 2 OF 2

NIAGARA MOHAWK POWER CORP.
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	POWER BUS WITH TAP OFF OR CABLE		RECTIFIER- ARROW INDICATES DIRECTION OF CURRENT FLOW
	AIR CIRCUIT BREAKER		CURRENT TRANSFORMER, SINGLE RATIO, SINGLE SECONDARY, NUMERALS INDICATE RATIO
	POWER CIRCUIT BREAKER		CURRENT TRANSFORMER, WINDOW TYPE, SINGLE RATIO GROUND SENSING
	DISCONNECT DEVICE FOR DRAWOUT EQUIPMENT		FUSE
	DISCONNECTING LINK		TRIP COIL
	DISCONNECTING SWITCH-MANUALLY OPERATED		THERMAL ELEMENT
	POWER TRANSFORMER		GROUND
	POWER TRANSFORMER, 3 WINDING		CURRENT CIRCUIT NEUTRAL
	GROUNDING TRANSFORMER WITH GROUNDING RESISTOR		CONTACT NORMALLY OPEN
	GENERATOR NEUTRAL TRANSFORMER		CONTACT NORMALLY CLOSED
	GENERATOR		INDICATING LIGHT-LETTER INSIDE CIRCLE INDICATES COLOR OF LENSE CAP, R-RED.
	OR		CURRENT TEST SWITCH
	GENERATOR		AIR CIRCUIT BREAKER
	MOTOR-NUMERAL INSIDE CIRCLE INDICATES HORSEPOWER RATING		UPPER BLOCK-TYPE OF OVERCURRENT PROTECTION, S-STATIC
			LOWER BLOCK-OVERCURRENT PROTECTION
			LTA-LONG TIME ADJUSTABLE PICKUP & ADJUSTABLE TIME
			STA- SHORT TIME ADJUSTABLE PICKUP & ADJUSTABLE TIME

FIGURE 1.7-4

ELECTRICAL ONE-LINE DIAGRAMS
SYMBOLS (REVISED)

NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT-UNIT 2
UPDATED SAFETY ANALYSIS REPORT

LSAP REVISION 1

APRIL 1985

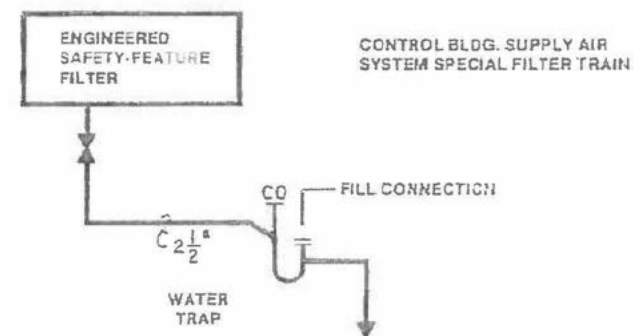
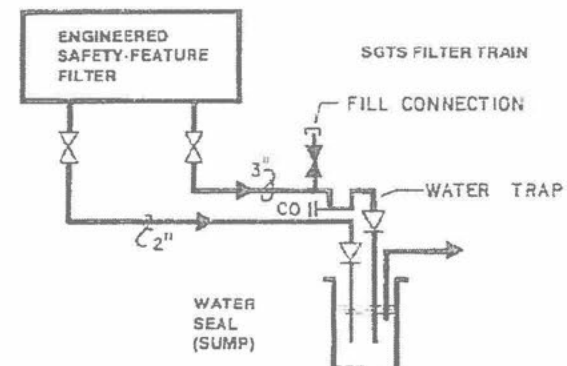


FIGURE 1.8-1

ENGINEERED SAFETY-FEATURE
FILTER DRAIN ARRANGEMENT

NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT-UNIT 2
UPDATED SAFETY ANALYSIS REPORT

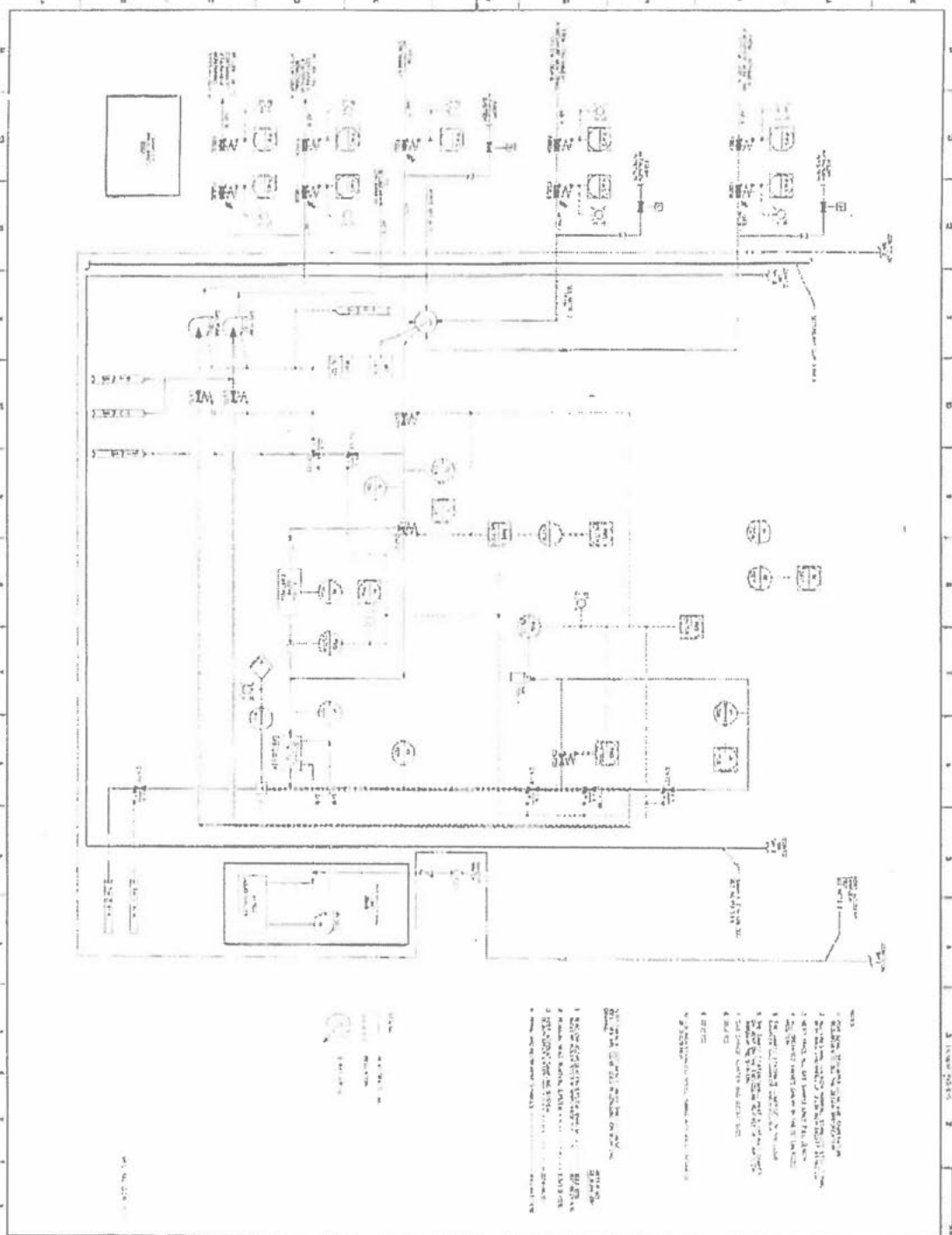


FIGURE IB.3-1

POST ACCIDENT SAMPLING STATION
SHEET 1 OF 2

NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT-UNIT 2
UPDATED SAFETY ANALYSIS REPORT

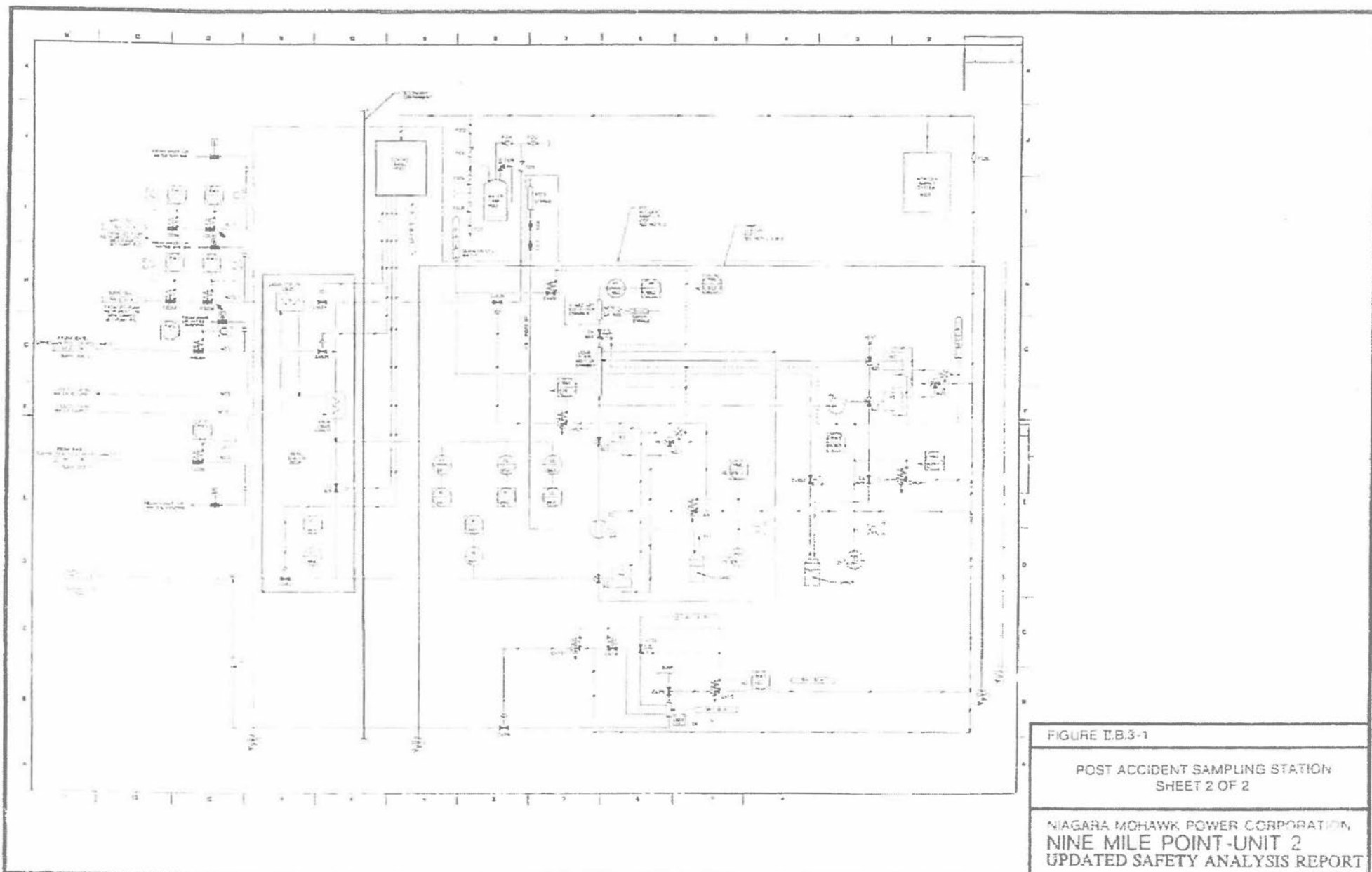


FIGURE I.B.3-1

POST ACCIDENT SAMPLING STATION
SHEET 2 OF 2

NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT-UNIT 2
UPDATED SAFETY ANALYSIS REPORT

USAR REVISION 6

APRIL 1994



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FIGURE 2.3.2
MAIN CONTROL PANEL
NIAGARA MOHAWK POWER CORPORATION NINE MILE POINT-UNIT 2 UPDATED SAFETY ANALYSIS REPORT