

CHEMICAL EXPOSURE INDEX AUDIT

CHLOR-ALKALI II

LOUISIANA DIVISION

JULY 1992

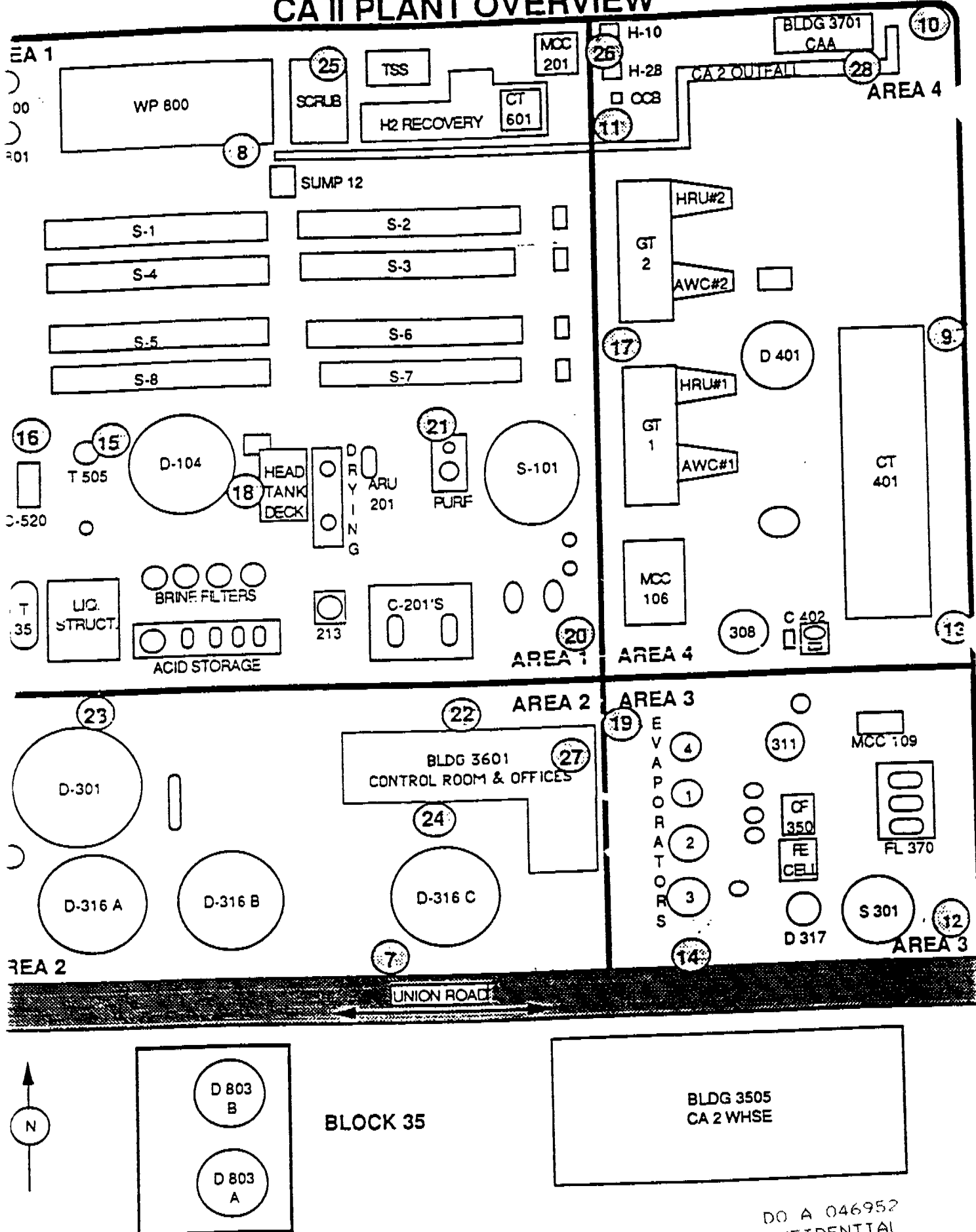
REFERENCE #6

QUESTION #8

Bob Bartholomew
July 1992

DO A 046951
CONFIDENTIAL

CA II PLANT OVERVIEW



DO A 046952
CONFIDENTIAL

FEY POT	4,800
DOE	12,400
DO4	700
DO1	8,500
DO-	2,500
1 (	2,400
DO	150,000
DO: SHELL	18,000
DO1	2,000
DO1 HEAD	1,000
DO2 HEAD	800
DO3	2,000

EMERGENCY SHUTDOWN PROCEDURE FOR AIR HANDLING UNITS AT CA 11

A PERSON (CHAMAN PALMER) WILL BE RESPONSIBLE FOR SHUTTING DOWN
THERMOSTATS FOR LAB A/D UNIT AND LUNCHROOM A/D UNIT. CLAY MOSENFELDER WILL
DO UP.

FEY COORDINATOR (DALE CROCKET) OR HIS BACK UP (KEITH LIND) WILL SHUT
DOWN THE REMAINING UNITS.

A HANDLING UNIT OUTSIDE S/S OFFICE - DF-1-BAR, 1

A HANDLING UNIT OUTSIDE OFFICE 10 - DF-1-SKP, 2

CONTROL ROOM A/H UNIT ON ROOF - MDC 123 #71

ALL A/H UNIT IN INSTRUMENT SHOP - BREAKER NEXT TO DF-1 (SOUTH SIDE)

OTHER CONSIDERATION: IT WAS FELT THAT THE COMPUTER A/H UNIT SHOULD BE
LEFT RUNNING.

IMPORTANT NOTE: ALTHOUGH DESIGNATED PERSONNEL ARE RESPONSIBLE FOR
SHUTTING DOWN OF A/D AND A/H UNITS, ALL CA 11 PERSONNEL SHOULD BE FAMILIAR
WITH THESE LOCATIONS FOR SHUTDOWN IN THE EVENT THAT THE ABOVE-MENTIONED
PERSONNEL ARE ABSENT AT THE TIME OF A SPILL. LOCATIONS ARE POSTED IN
THE S/S OFFICE AND IN THE CONTROL ROOM.

REVISED: 2/10/91

: ALL

END OF PROCEDURE

FILE 02446

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CHEMICAL	INCIDENT(1#)	RQ(1#)
ASBESTOS	1	1
BETZ	10	1000
CCL4	1	10
CAUSTIC	10	1000
CL2	10 ppm, 1#	10
DIESEL	10	500
ETHYLENE GLYCOL	1	1
FUEL GAS	10	10
R11	10	5000
R12	10	5000
GAS	10	100
GREEN OIL	10	500
HCL	10	5000
HYDRAULIC FLUID	10	100
HYDROGEN	10	100
LITHIUM BROMIDE	10	100
LITHIUM CHROMATE	1	10
LUBRICATION OILS	10	500
RESIN OIL	10	100
H2SO4	10	5000
SODIUM BISULFITE	10	5000

SPILL FLOWCHART

CATEGORY A RELEASE - A SPILL OR RELEASE WHICH DOES NOT AFFECT ANY PERSONNEL, EQUIPMENT, OR PROPERTY OUTSIDE OF THE BLOCK LIMITS.

CATEGORY B RELEASE - A SPILL OR RELEASE WHICH EITHER AFFECTS OR CAN AFFECT PERSONNEL, EQUIPMENT, OR PROPERTY OUTSIDE THE BLOCK LIMITS.

CATEGORY C RELEASE - A SPILL OR RELEASE WHICH EITHER AFFECTS OR CAN AFFECT PERSONNEL, EQUIPMENT, OR PROPERTY OUTSIDE THE DIVISION FENCELINE.

DOW INCIDENT - A SPILL OR RELEASE WHICH IS ANY AGENCY REPORTABLE OR A RELEASE THAT IS ABOVE THE MINIMUM TRIGGER LEVEL.

AGENCY REPORTABLE - A SPILL OR RELEASE WHICH EXCEEDS THE REPORTABLE AMOUNT ON ANY FEDERAL, STATE, OR LOCAL LIST OF CHEMICALS. A SMOKE ODOR THAT AFFECTS THE PUBLIC IS ALSO AN AGENCY REPORTABLE.

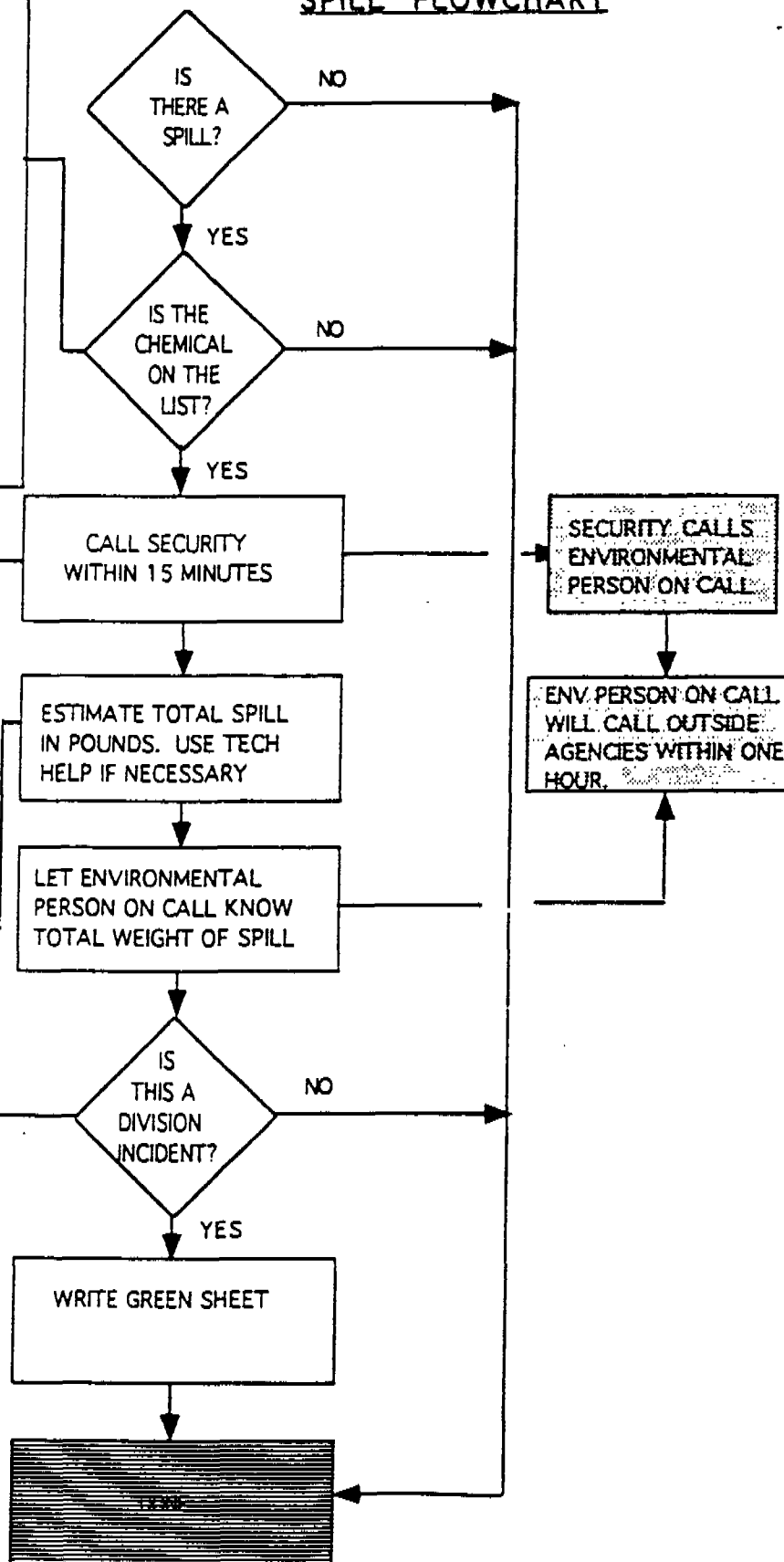
RESPONSE TIME - THE TIME AFTER AN INCIDENT IS DISCOVERED THAT DOW MUST NOTIFY AN AGENCY. WE MUST REPORT THE INCIDENT TO SECURITY WITHIN 15 MINUTES.

FOR GAS SPILLS USE:
A) ORIFICE CALCULATION
B) TWO PROBE CALCULATION
C) SINGLE PROBE CALCULATION

FOR LIQUID SPILLS USE:

TOTAL POUNDS =
VOLUME GAL * DENSITY #/FT3 * 7.481 GAL/FT3

SEE DEFINITION ABOVE IN SECTION D



LOCATION	CHANNEL NO.	HIGH PPM (SPIKE)	CALIBRATE	
			"0" PPM OUTPUT	"5.5" PPM
200 OH				
OH				
250 - 309				
250 - 319				
Corner Block	1		2055	2237
st of Haz. Waste	2		2047	2355
st of Cell Area	3		2058	2175
st of Lid.	4		2055	2210
st of D-301	5		2057	2174
Corner Block	6		2055	2438
th of D-3168	7		2054	2185
th of S-1	8		2055	2347
Corner CT-401	9		2057	2271
Corner near Outfall	10		2053	2163
of S-2	11		2056	2457
Corner Block	12		2055	2409
Corner CT-401	13		2047	2787
of E-312	14		2056	2266
th of T-505	15		2056	2380
th of C-520	16		2057	2183
ow Turbine Deck	17		1967	2336
th of Sump 1	18		2058	2108
th of E-404	19		2065	2284
of S-101	20		2045	2451
Corner Pur.	21		2067	2358
ide Lab	22		2053	2157
h of D-301	23		2060	2351
h of Inst. Shop	24		2061	2486
Scrubber Deck-NE Corner	25		2045	2704
side H2 Recovery	26		2063	2260
	27		2063	2360
	28		2061	2193
	29			
	30			
	31			
	32			

AL 400
J. Smith

UNITED STATES GOVERNMENT

LOCATION	CHANNEL NO.	HIGH PPM (SPIKE)	CALIBRATE	
			"0" PPM OUTPUT	"5.5" PPM
000 OH				
OH				
150 - 309				
50 - 319				
Corner Block	1		2045	2438
t of Haz. Waste	2		2054	2303
t of Cell Area	3		2053	2272
t of Lid.	4		2054	2407
t of D-301	5		2057	2615
Corner Block	6		2054	2246
th of D-316B	7		2054	2676
th of S-1	8		2052	2429
Corner CT-401	9		2058	2477
Corner near Outfall	10		2050	2286
of S-2	11		2057	2628
Corner Block	12		2054	2429
er CT-401	13		2058	3147
of E-312	14		2058	2471
h of T-505	15		2057	2580
h of C-520	16		2057	2273
w Turbine Deck	17		2038	2430
h of Sumo 1	18			
h of E 304	19		2060	2490
f S-101	20		2061	2415
orner Pur.	21		2062	2346
ide Lab	22		2052	2350
n of D-301	23		2060	2207
n of Inst. Shop	24		2061	2255
Scrubber Deck-NE Corner	25		2061	2958
side H2 Recovery	26		2064	2297
PF	27		2063	2494
+ Fall	28		2058	2245
	29			
	30			
	31			
	32			

BR-7 James

1-24-72

ONLINE MONITOR CHECKSHEET

LOCATION	CHANNEL NO.	HIGH PPM (SPIKE)	CALIBRATE	
			"0" PPM OUTPUT	"5.5" PPM
200 OH				
JH				
250 - 309				
250 - 319				
Corner Block	1		2053	2356
st of Haz. Waste	2		2063	2324
st of Cell Area	3		2055	2273
st of Lid.	4		2054	2629
st of D-301	5		2054	2317
Corner Block	6		2055	2404
th of D-316B	7		2055	2352
th of S-1	8		2054	2333
Corner CT-401	9		2055	2592
Corner near Outfall	10		2058	2412
of S-2	11		2074	2701
Corner Block	12		2066	3147
er CT-401	13		2068	2368
of E-312	14		2059	2447
of T-505	15		2055	2759
of C-320	16		2056	2163
Turbine Deck	17		2099	3026
of Sump 1	18		2012	2532
of E-404	19		2061	2468
S-101	20		2059	2208
er Pur.	21		2060	2658
Lab	22		2058	181
D-301	23		2059	2286
Inst. Shop	24		2061	2574
ber Deck-NE Corner	25		2062	2749
2 H2 Recovery	26		2064	2499
205	27		2062	2512
2-212	28		2061	2198
	29			
	30			
	31			
	32			

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