

CONFIDENTIAL

Interoffice Communication

To P. C. Gowan
From S. F. Pitts
Date May 1, 1978
Subject Benzene Regulated Area

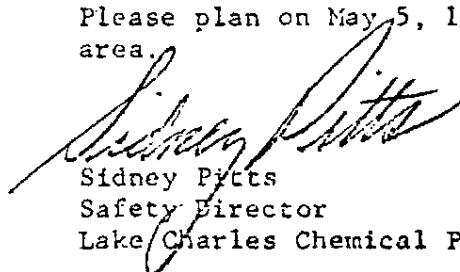
*Copies sent
to M. Hayles
4-15-83*

During the last month numerous area samples have been taken around the API Separator and oil recovery area near the holding pond. The results of these samples show that normal benzene levels in and around the skimmer sump are above 1 ppm. Within the next week, I should have a complete sample grid charted with the actual levels measured.

The area in question will have to be set up as a regulated area, even though personnel dosimeter levels are below 0.5 ppm. Basically, the area involved is the concrete slab on the northwest corner of the holding pond. The majority of the contamination is from the sump.

Please examine the operations of the oil recovery equipment within the next few days. If there is no operational reason for the high levels, then regulation of the area will have to continue until the quench blowdown stripper is put in service later in the year, assuming expected results are obtained.

Please plan on May 5, 1978 as an effective date for declaration as a regulated area.

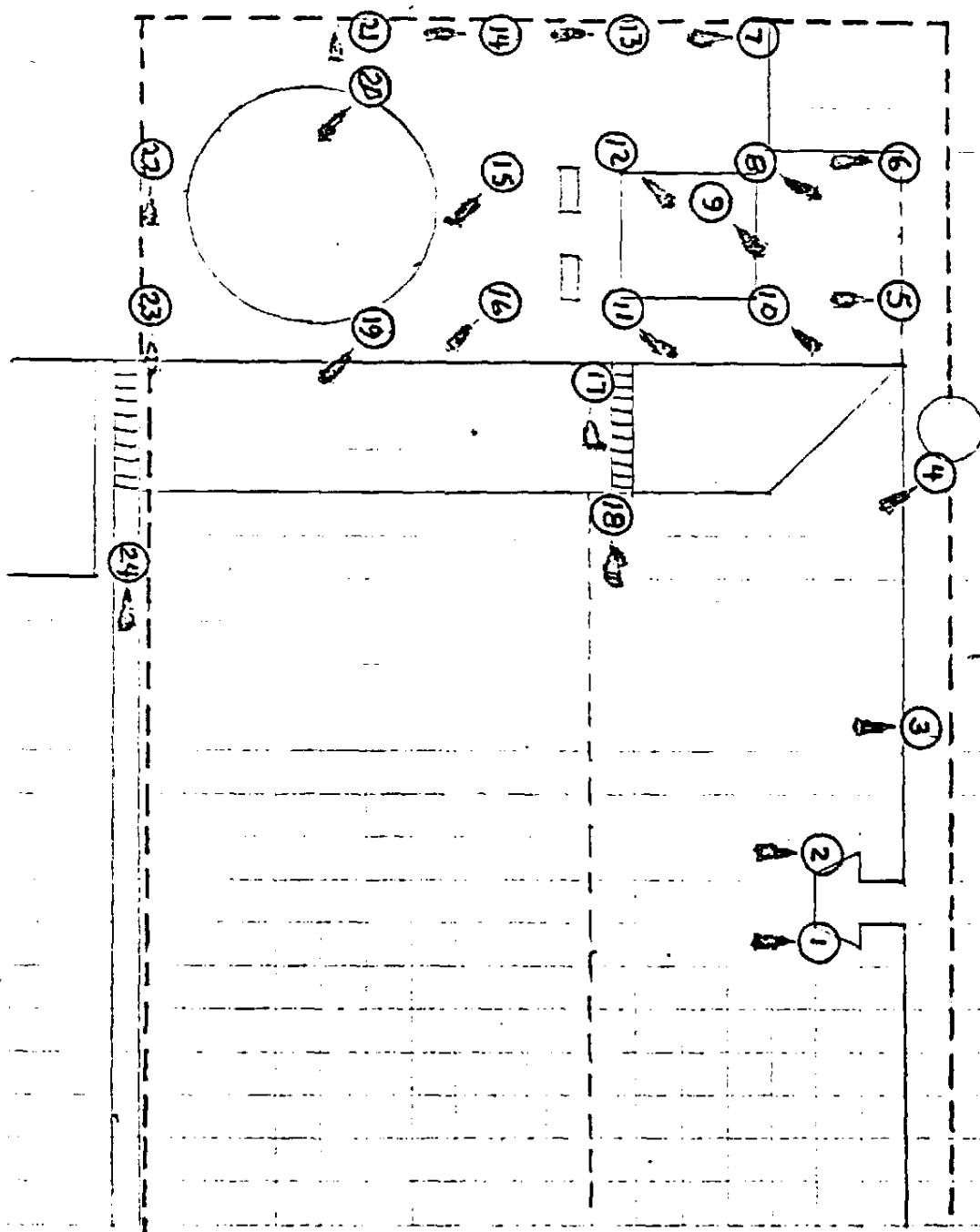

Sidney Pitts
Safety Director
Lake Charles Chemical Plant

maa

cc: RDG-EGR-RRF

MAY 03 1978

MCD 000012198



MCD 000012199

Job No.

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150-000

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TITLE

L. FIELD

1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 26

STATE

LOCATIONS	WIND DIRECTION	BENZENE(ppm)
1	SOUTH	4.70
2	SOUTH	3.60
3	SOUTH	.48
4	SOUTHEAST	2.74
5	SOUTH	1.25
6	SOUTH	.11
7	SOUTH	.09
8	NORTHEAST	6.90
9	NORTHEAST	7.20
10	NORTHEAST	.34
11	NORTHEAST	19.27
12	NORTHEAST	19.49
13	SOUTH	.04
14	SOUTH	.00(N.D)
15	SOUTHEAST	17.43
16	SOUTHEAST	31.70
17	EAST	3.60
18	EAST	23.40
19	SOUTHEAST	.29
20	SOUTHEAST	.13
21	EAST	1.17
22	EAST	1.31
23	EAST	.002
24	EAST	4.60

ALL SAMPLES ARE 4 HOUR TWA

MCD 000012200

CHECKED BY

TITLE

JOB NO

FIELD

FILE

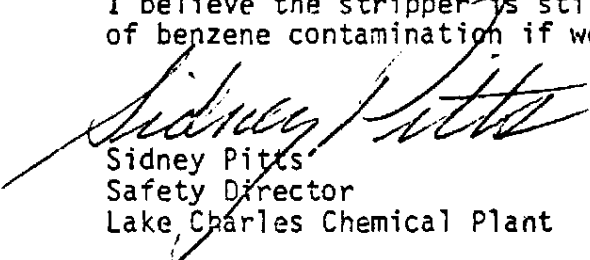
Interoffice Communication

To P. L. Jernigan
From S. F. Pitts
Date December 4, 1979
Subject Benzene Area Sampling
21-11-11

Attached are the results of some area sampling around the API Separator and Holding Pond. The effects of the wind on the results are rather clear.

These results are not significantly different from similar samples in the past. They continue to show substantial exposure potential in both these areas. I had anticipated seeing some improvement due to the Quench blowdown stripper but this does not appear to be the case.

I believe the stripper is still the best hope we have in reducing this area of benzene contamination if we can make it do a good job.


Sidney Pitts
Safety Director
Lake Charles Chemical Plant

maa

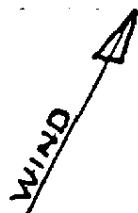
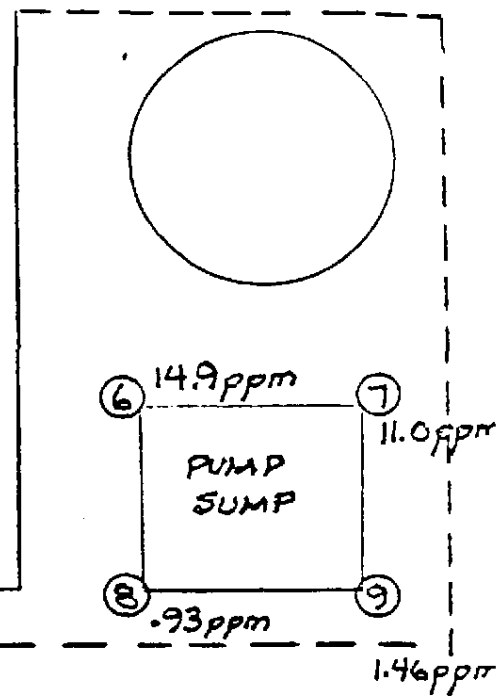
cc: RTF SRA

Attachments

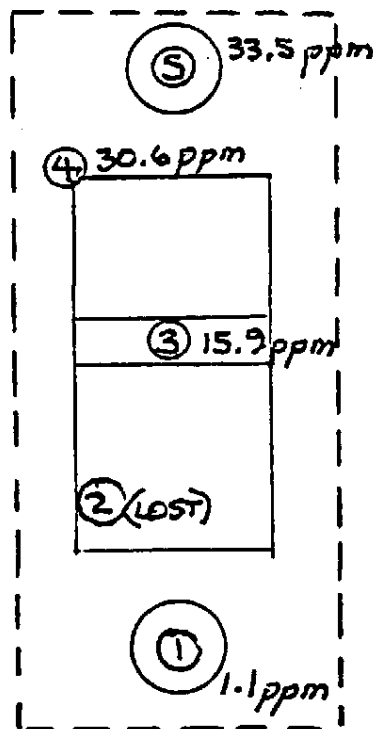
MCD 000012201

AREA SAMPLES

DATE - 11-27-79
TIME 845am TO 1245pm
WIND NNW 60°F
METHOD - 3M PASSIVE HOLDING POND



API
SEPERATOR



REGULATED
AREAS
ENCLOSED BY

NO SCALE

MCD 000012202

AREA SAMPLING DATA

NUMBER	BADGE	BENZENE PPM	LOCATION
1	6382	1.08	NO. END API SEP. INLET SUMP
2	6365	LOST	E NE API SEP HANDRAIL
3	6532	15.9	CENTER WALKWAY API SEP.
4.	6254	30.6	SE API SEP. HANDRAIL
5	6240	33.5	SO SIDE API SEP OUTLET SUMP
6	6246	14.9	SE CORNER-PUMP GRATING
7	6265	11.0	SW CORNER-PUMP GRATING
8	6478	.93	NE CORNER-PUMP GRATING
9	6319	1.46	NW CORNER-PUMP GRATING

ALL SAMPLES INSIDE REGULATED AREA
AND AT 2 TO 3 FEET ABOVE GRADE

BP

REPORTING OFFICE
DATE OF REPORT

MCD 000012203

TITLE

Interoffice Communication

To P. D. Carrico
 From W. L. Safley
 Date January 11, 1981
 Subject Benzene Sample Results (API Separator Area)

Shown on an attached area sketch are the locations and results of benzene monitors placed in the API Separator area on December 23, 1981. The results indicate no material change from previous data collected in this area.

Lee Safley

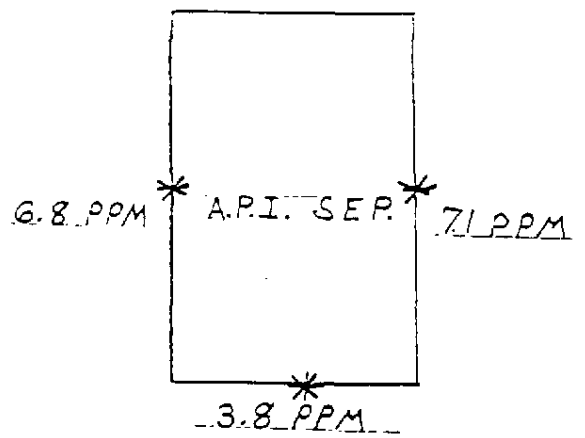
Lee Safley
 Safety Engineer
 Lake Charles Chemical Plant

maa

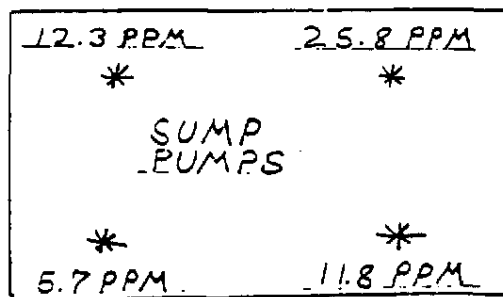
cc: GGD

Attachment

MCD 000012204



SEWER

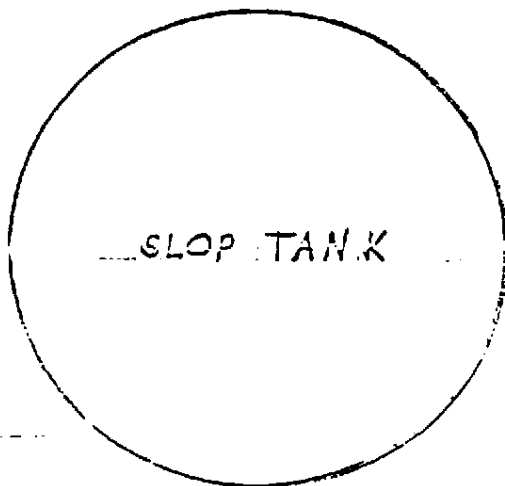


HOLDING POND

MCD 000012205

TREATMENT
DRUM

TREATMENT
DRUM



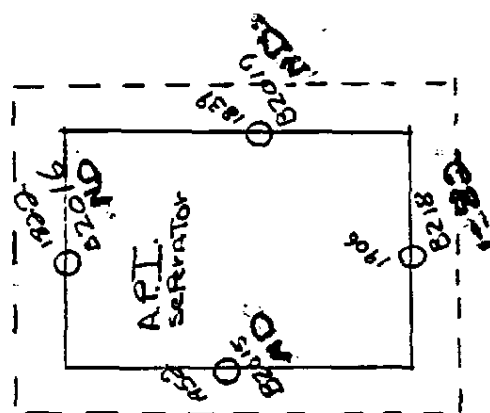
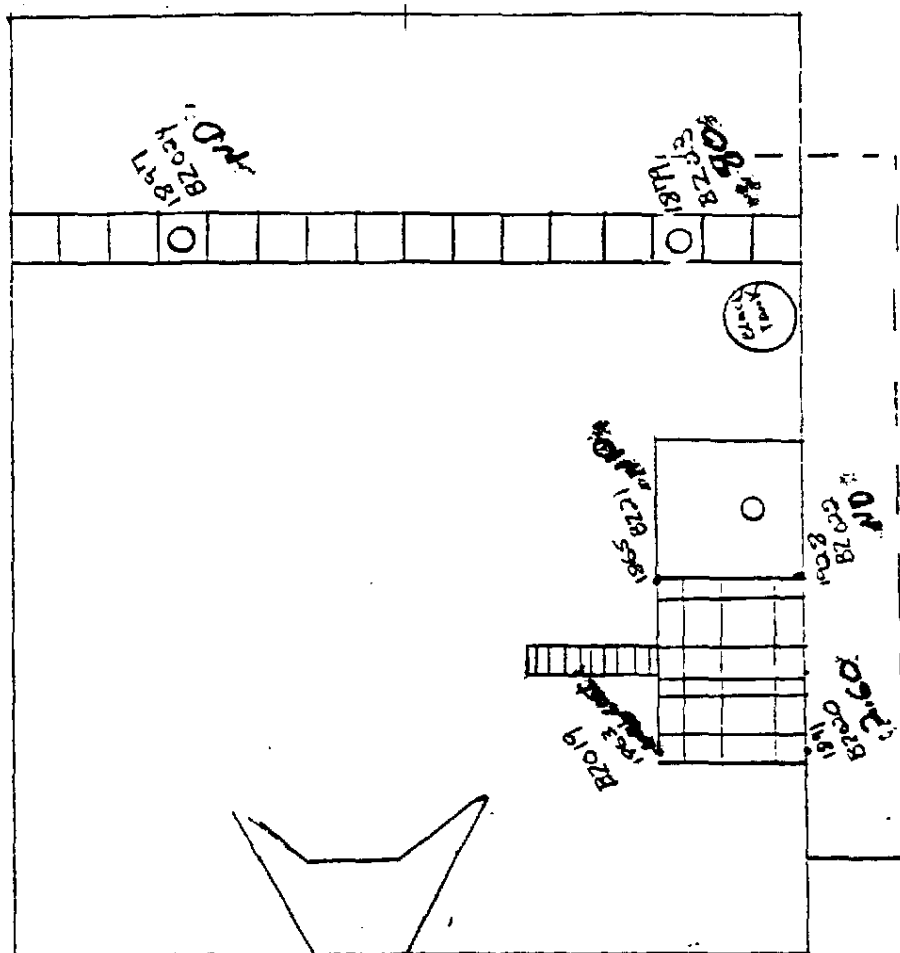
*
1.9 PPM

1.2 PPM *

EACH SAMPLE
TIME WEIGHTED
AVERAGE: 8 HOURS

BENZENE MONITORING
LOCATIONS ARE
DENOTED BY: *

DRAWING NOT
TO SCALE

[illegible]

MCD 000012206

4.2.2