SFUND RECORDS CTR
2166-04747

HR TEXTRON

INTEROFFICE COMMUNICATION

SFUND RECORDS CTR
88134168
ITX 2166-04747

RECEIVED
JUN 24 1991
VP Legal and Contracts

TO: John Hedges

FROM: M.L. Ameel MLA

DATE: June 24, 1991

SUBJECT: Response to EPA Letter Dated 10 May 1991 (Question #6, Page 8 and 9)

REFERENCE: IOC Dated June 4, 1991, M.L. Ameel to John Hedges

==========

Question: Provide a scaled map of the facility which includes the locations of significant features. Describe the physical characteristics of the facility, including but not limited to, the following:

a. Surface structures (e.g., buildings, tanks, etc.);

b. Subsurface structures (e.g., underground tanks, sumps, pits, clarifiers, etc.);

c. Groundwater wells and dry wells, including drilling logs;

d. Past and present storm water drainage system, sanitary sewer system, including septic tank(s) and subsurface disposal field(s);

e. Any and all additions, demolitions, or changes of any kind to physical structures on, under, or about the facility, or to the property itself (e.g., excavation work) and state the dates on which such changes occurred.

Answer: Attached is exhibit A, a Scaled Site Plan of the Pacoima facility (Drawing No. FE-P-G-01) and

exhibit B, a drawing dated 5/8/79. These two drawings answer questions 6 a and b.

Exhibit C, also attached, answers question 6 d.

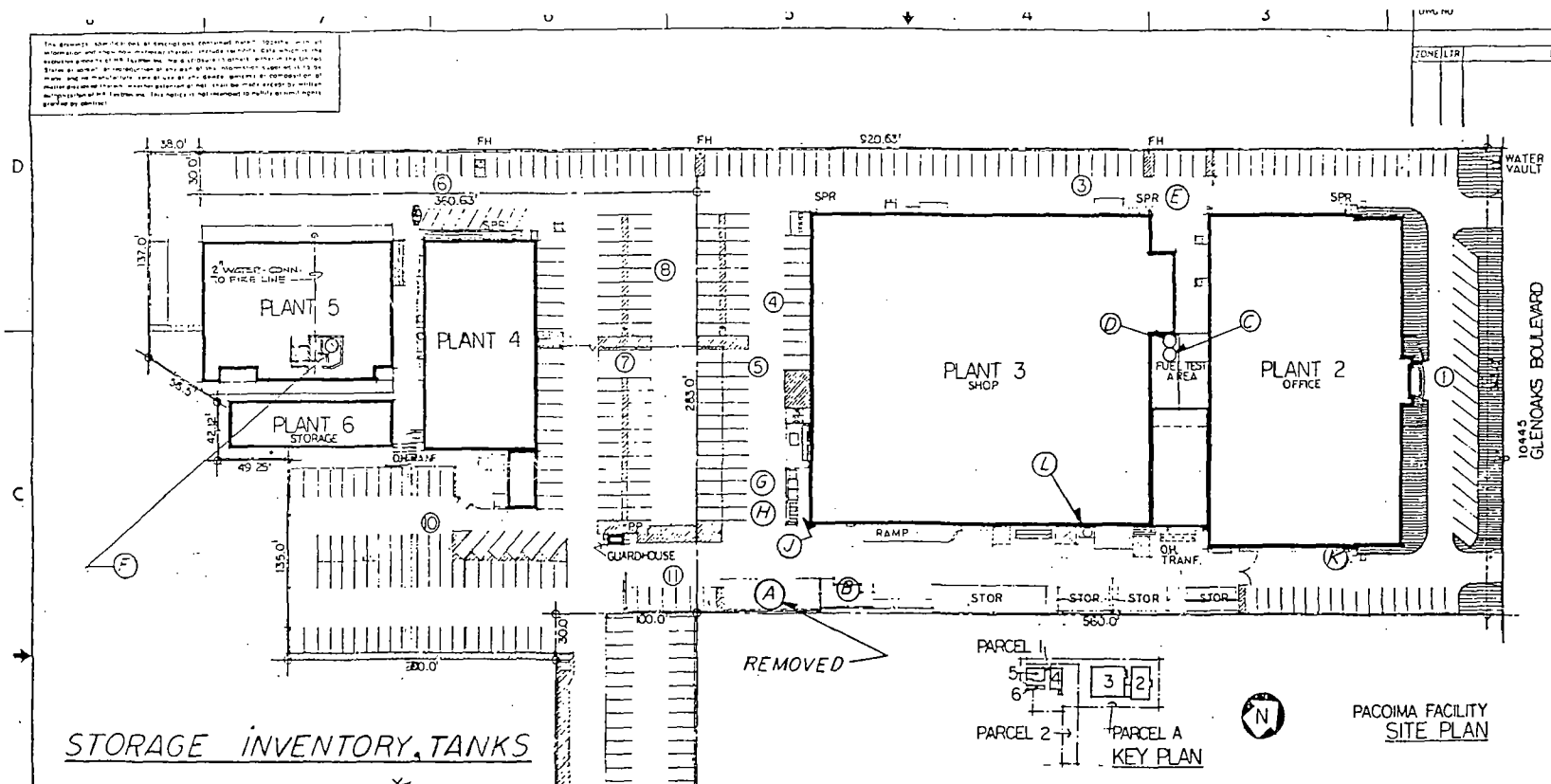
Question 6 c is answered by exhibit D-1, a map identifying the location of former underground storage tanks and exhibit D-2, a map of well locations associated with the Pacoima Remediation Project (see details in answer to question 7, page 9). Submitted as a separate exhibit is exhibit E, Drilling Logs.

Question 6 e - sometime after the property associated with buildings 2 and 3 was leased (October 1, 1965) building number 3 was constructed. This building is found on exhibit A attached. The Facilities department does not have any detail information associated with the construction of this building.

Provided separate from this memo are as built blue line drawings of buildings #4, 5 and 6.

MLA:sj

cc: M. Bell
B. Moses
R. Pascoe
J. Wheeler



STORAGE INVENTORY TANKS

TANK NO.	DESCRIPTION	SIZE*	CONTENTS
A	UNDERGROUND	2-1000	WASTE OIL
B	ABOVEGROUND	3-600	WASTE OIL
C	"	1-3500	STODDARD SOL.
D	"	1-3000	"
E	UNDERGROUND	1-5000	EMPTY SPILL CONTAIN. TANK
F	ABOVEGROUND	1-120	DOWTHERM OIL
G	"	1-1000	STODDARD SOL.
H	"	2-1000	CUTTING OIL
J	"	1-500	1,1,1 TRICHLOROETHANE
K	"	1-200	FREON
L	"	1-535	ARGON

*GALLONS

4. SURFACE TEXTURE SHALL BE ✓
3. DIAMETERS SHALL BE CONCENTRIC WITHIN ____ DIA.
2. APPLY FSCM NO 81873 TO SPARES ONLY.
1. IDENTIFY WITH PART NO AND LATEST REV LTR
NOTE: UNLESS OTHERWISE SPECIFIED

BUILDING AREAS

PLANT 2	33,325	SF
PLANT 3	51,345	SF
PLANT 4	12,000	SF
PLANT 5	12,240	SF
PLANT 6	3,775	SF
TOTAL	112,685	SF

LAND AREAS

PARCEL A	186,099	SF	4.27 ACRES
PARCEL 1	106,800	SF	2.45 ACRES
PARCEL 2	37,300	SF	.86 ACRES
TOTAL	330,199	SF	7.58 ACRES

CODE INFORMATION

ZONING: M2-1
FIRE DISTRICT: 2-100'
REQ'D PARKING:
PLANTS 2 & 3 = 170 CARS
PLANTS 4 5 6 = 56
TOTAL = 226 CARS

	CONST. TYPE	OCCUP.	PERMIT DATE
PLANT 2	III B	G-1	12/23/55
PLANT 3	IV	G-1	12/20/66
PLANT 4	III B	G-1	9/11/58
PLANT 5	III B	G-1	
PLANT 6	IV	G-1	

PARKING SUMMARY

1	18 SPACES
2	17
3	58
4	10
5	22
6	37
7	47
8	33
9	8
10	75
11	7
12	68
TOTAL	400 SPACES

WEIGHT			
STRESS			
Q A			1. RG-FG
VAL ENGRG			1. 22. 8G
MATL	DASH NO	NEXT ASSEMBLY	USED ON

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE
TOLERANCES: ANGLES ± 0° 30' .XX ± .01 .XXX ± .005
REMOVE ALL BURRS
BREAK CORNERS .005 - .010
INTERNAL RADII .005 - .010
INTERPRET DRAWING PER DOD-STD-100

MATERIAL	HEAT TREAT	FINISH

CONTRACT NO
DRAWN WF
CHECKED
APPROVED
DESIGN APPROVED
APPROVED
ENGRG RLSE

HR TEXTRON
HR Textron Inc. a Subsidiary of Textron Inc. Valencia Calif.

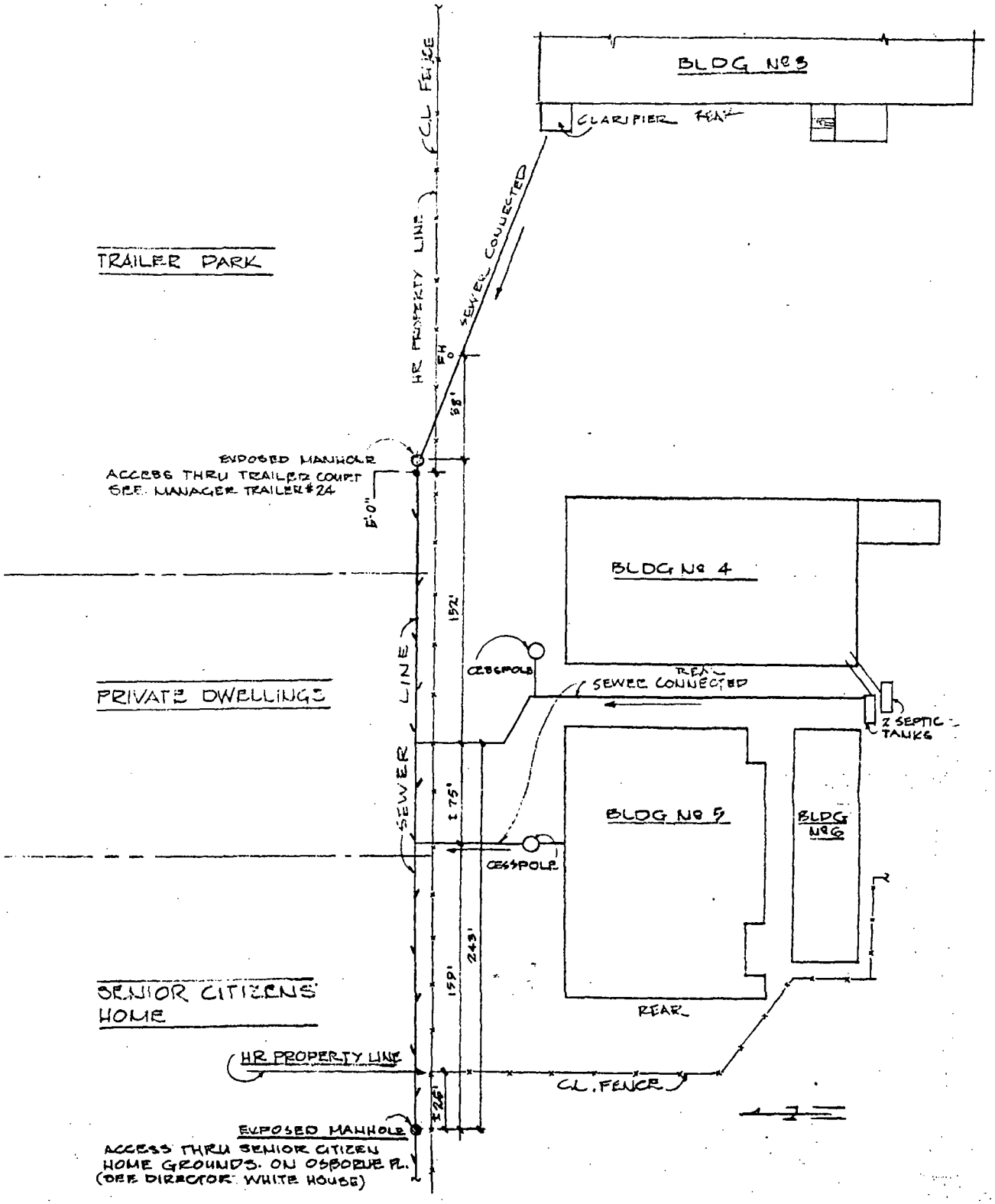
SITE PLAN

SIZE D | FSCM NO 81873 | DRAWING NO FE-P-G-01

350137

Exhibit A

Exhibit A

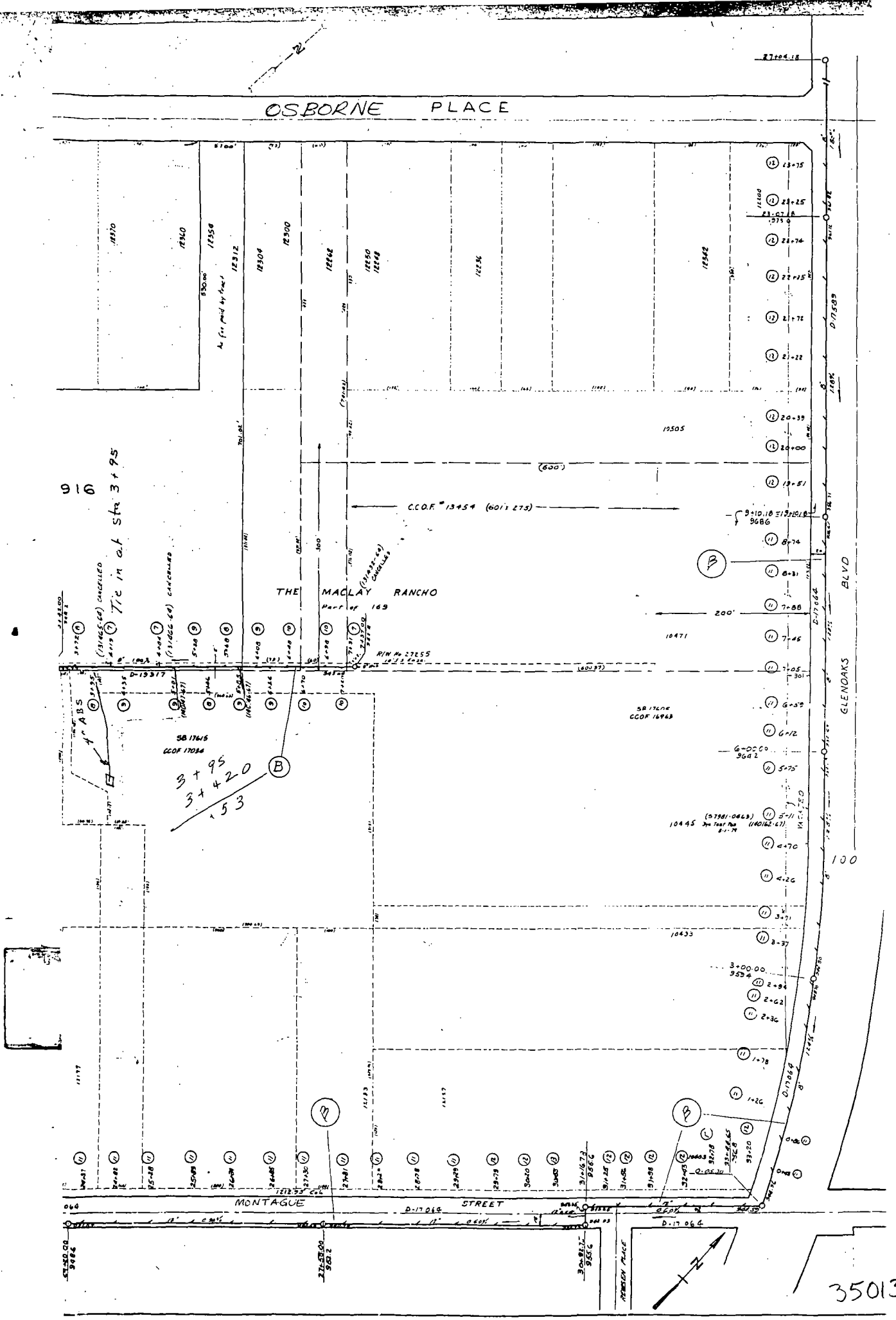


MANHOLE & SEWER CONNECTIONS BLDGS 3, 4, 5, & 6
HR.... PACOIMA, FACILITY DATA PER LA. CNTY ENGNR'S
OFFICE... VAN NUYS, CA.

350138

J.A. LOCKSLEY FACIL. PLANNER
FACILITIES OFFICE VALENCIA CA
5/8/79

Exhibit B



504-D

Exhibit C

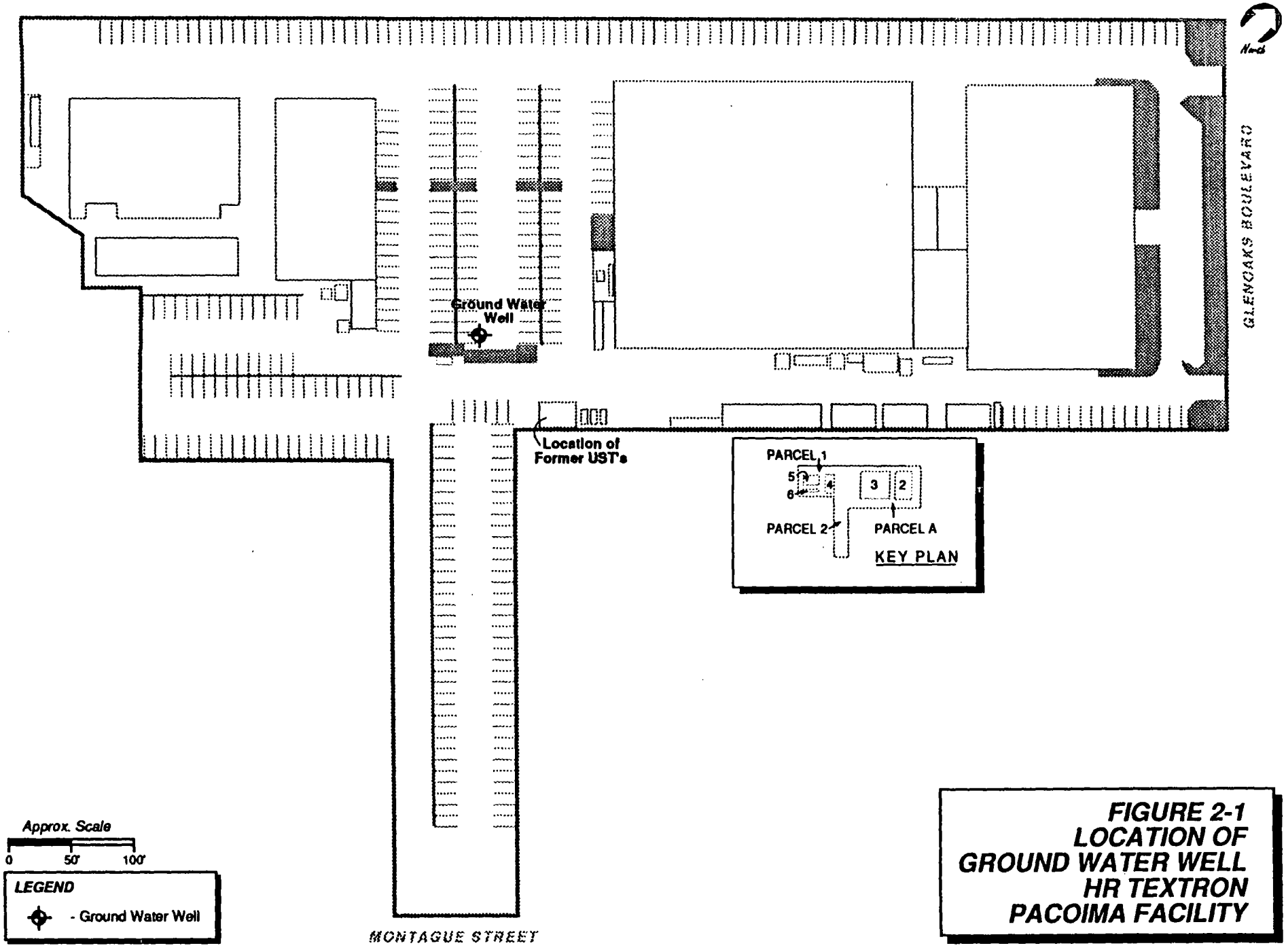
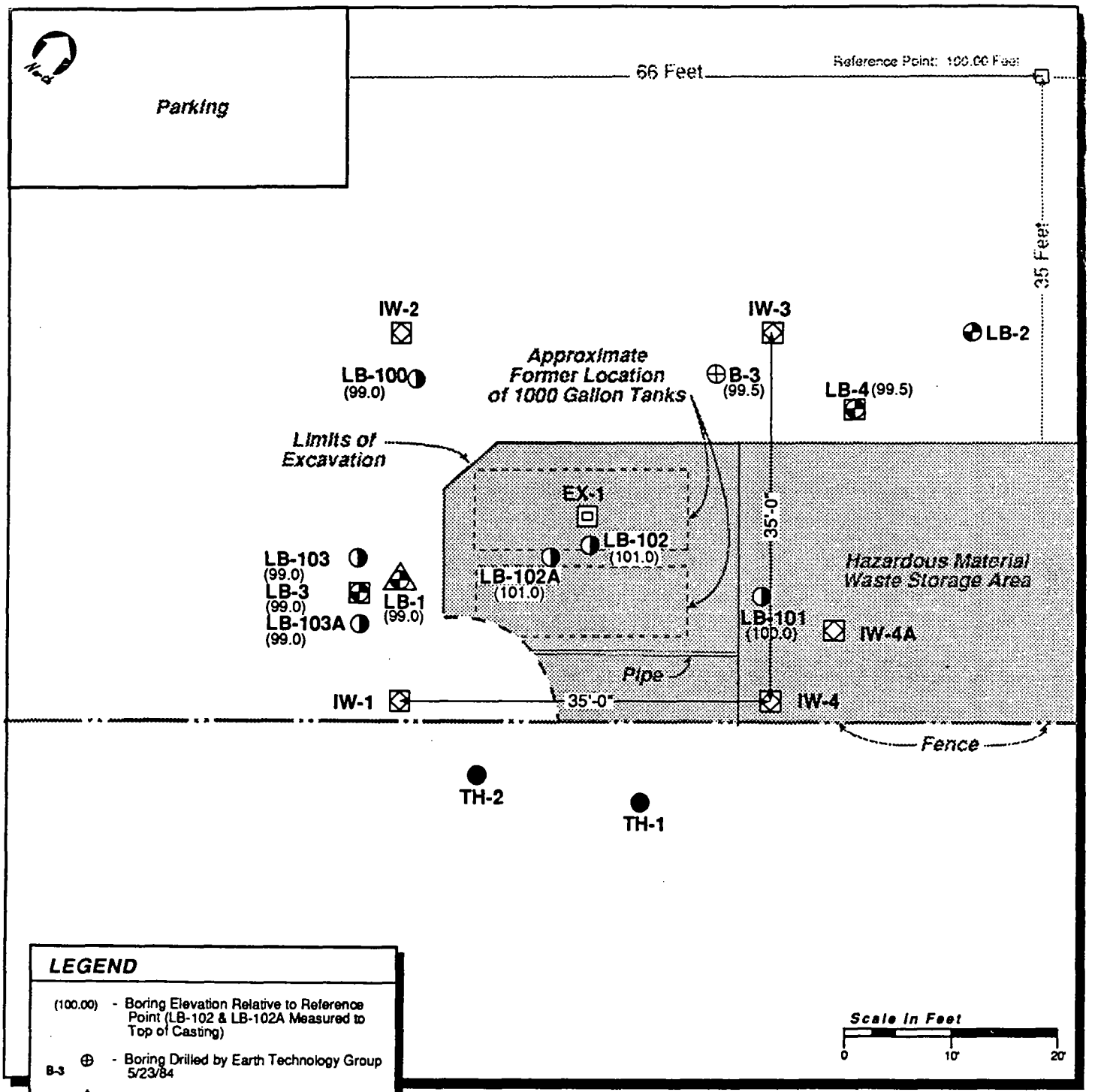


FIGURE 2-1
LOCATION OF GROUND WATER WELL
HR TEXTRON
PACOIMA FACILITY

ERM-West, Inc. 5/90

350140

Exhibit D-1



LEGEND

(100.00)	- Boring Elevation Relative to Reference Point (LB-102 & LB-102A Measured to Top of Casting)
B-3 ⊕	- Boring Drilled by Earth Technology Group 5/23/84
LB-1	- Angle Boring Drilled By Leighton & Associates, Inc. -5/30/85
LB-2	- Boring Drilled by Leighton & Associates, Inc. -5/30/85
TH-2 ●	- Borings Drilled by Enviropro-5/29/86
LB-2	- Borings Drilled by Leighton & Associates, Inc. -1/88
LB-103	- Borings Drilled by Leighton & Associates, Inc. -9/88
⊠	- Approximate Location of Injection Wells
⊡	- Approximate Locaiton of Production Wells

WELL LOCATIONS FOR VAPOR EXTRACTION SYSTEM HR TEXTRON FACILITY PACOIMA, CALIFORNIA

350141

ERM-West, Inc. 3/90
873/DMPV-3.29.90

Exhibit D-2

2166-04747

DRILLING LOGS

LB-1	LB-100	EX-1
LB-2	LB-101	IW-1
LB-3	LB-102	IW-2
LB-4	LB-102A	IW-3
TH-1	LB-103	IW-4
TH-2	LB-103A	
	LB-104	

RESPONSE TO QUESTION #6 PAGE 8

350142

MAJOR DIVISIONS		SYMBOLS	TYPICAL NAMES
COARSE-GRAINED SOILS (More than 1/2 of soil < no. 200 sieve)	GRAVELS (More than 1/2 of coarse fraction > no. 4 sieve size)	GW	Well-graded gravels or gravel-sand mixtures, little or no fines
		GP	Poorly graded gravels or gravel-sand mixtures, little or no fines
		GM	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
	SANDS (More than 1/2 of coarse fraction < no. 4 sieve size)	SW	Well-graded sands or gravelly sands, little or no fines
		SP	Poorly graded sands or gravelly sands, little or no fines
		SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures
FINE-GRAINED SOILS (More than 1/2 of soil < no. 200 sieve)	SILTS & CLAYS LL < 50	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		OL	Organic silts and organic silty clays of low plasticity
	SILTS & CLAYS LL > 50	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
		CH	Inorganic clays of high plasticity, fat clays
		OH	Organic clays of medium to high plasticity, organic silty clays, organic silts
	HIGHLY ORGANIC SOILS	Pt	Peat and other highly organic soils

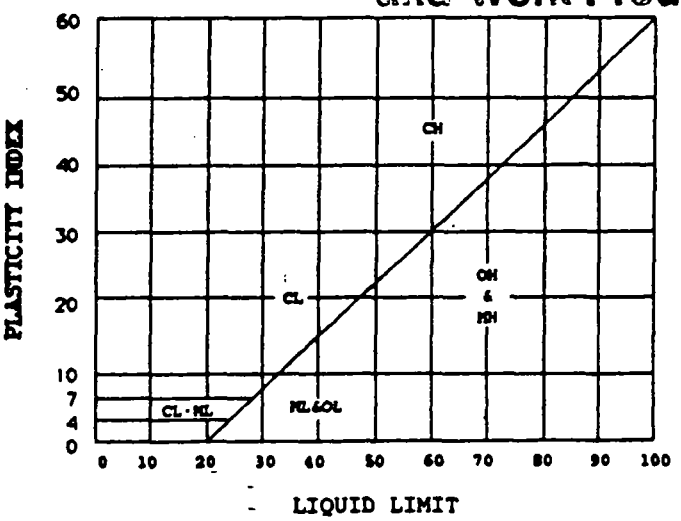
CLASSIFICATION CHART

(UNIFIED SOIL CLASSIFICATION SYSTEM)

Privileged and Company Private Attorney Client Communication and Work Product

CLASSIFICATION	RANGE OF GRAIN SIZES	
	U.S. Standard Sieve Size	Grain Size in Millimeters
BOULDERS	ABOVE 12"	ABOVE 305
COBBLES	12" to 3"	305 to 76.2
GRAVEL	3" to No. 4	76.2 to 4.76
COARSE	3" to 3/4"	76.2 to 19.1
FINE	3/4" to No. 4	19.1 to 4.76
SAND	No. 4 to 200	4.76 to 0.074
COARSE	No. 4 to 10	4.76 to 2.00
MEDIUM	No. 10 to 40	2.00 to 0.420
FINE	No. 40 to 200	0.420 to 0.074
SILT & CLAY	BELOW No. 200	BELOW 0.074

GRAIN SIZE CHART



PLASTICITY CHART

METHOD OF SOIL CLASSIFICATION

Project No. 7841189-08
Project Name HRT-Pacoima
Date

L&A 2080 788

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-100

Prepared and Compiled at the Direction of Private Attorneys
Client Communication and Work Product

PROJECT HR Textron - Paramount 7-1189-09 SURFACE ELEV. ~960 ft DATUM MSL

LOCATION Los Angeles (COUNTY) Paramount (CITY OR TWP.) — (SECTION) 14445 Flaxton (STREET)

DRILLER HF Drilling Roy Lunstrom John TYPE OF RIG Failing F10

SAMPLER(S) 1.5 in & 2.5 in split spoon DRIVE WT. 140 lbs DROP 30 IN. HOLE DIA. 8 IN.

INSPECTOR MK DR DRILLING DATE 9/13-9/- 1988 DRILLING METHOD

WATER AND WELL DATA

DEPTH OF WATER-Encountered None Encountered, None installed Completion

WELL CASING-Type I.D.

WELL SCREEN-Type Slot Size

SCREEN PACKING-Type Size

ANNULAR SPACE SEAL Method

Boring ~~WELL~~ DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte 6" Intervals	Pid Reading (PPM) OVA	Laboratory Tests	Graphic Log	Depth Feet	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
3:30 p Start drilling								0	0-0.5: Sub-grade
@2 ft: 0.2				12,22, 22	BG		SP		0.5-2: Brn Pbly Sand, tr. of Cobbles, poorly sorted, Sl. Damp
				16,17 20	BG				2-3.5: Brn Med & Crse Sand, tr. of Frnd pble & Cble that are sub-rounded. Sl. Damp
		5		15,19 15	BG				3.5-5: Brn Pbly Sand, dom. Med. gr.
				12,3 R				5	5-6.5: Med. Sand, tr. pble, sl. Damp
				15,15 15			GP		6.5-8: Med. Sand, tr. pble, Sl. Damp, ; Cobble zone @ 7 ft
									8-9: Brn Crse Sand, with pble & Cble
		9.5		7,17, 17	BG		ML		@9: DR Brn Clay
				5,10, 10			SC	10	9.5-11: DR Brn Clayey Sand, tr of Pble, Sl. Damp; becomes interclayed & sandier @ 11 ft.
				7,10, 7			SM		11-12.5: Brn Silty Med. & v. Crse Sand, tr. of pble & granules, weathered mafic pble, poorly consolidated, Damp
				8,10, 17			SP		12.5-13: Brn Med & F. Sand, tr. granules, @13 ft grades into a pbl layer
							SM		13-14: Brn, Silty F. Sand, Sl. moist, v. Dense
							ML		@14: Clayey Silt
		13.5		7,5 10	0.3		SM		14-14.5: Brn Med Silty Sand, tr. granules
								15	14.5-15.5: Brn Silty F. Sand
									15.5-16: Tan F. Sand, well sorted, Damp
				6,6, 6			ML		16-17: Brn Silty Clay, tr pble, Damp, grades into below
							SM		17-18: Brn Silty F. Sand, loose, Damp
				3,4, 6			M-		18-18.5: DR Brn Silty Clay, tr. Crse Sand, dense & firm, Damp
		20		4,4, 6	BG		SM		18.5-20: DR Brn. Silty F. & Med Sand, dense & Cohesive, Damp
							GC	20	20-21.5: DR Brn Clay, tr. of Pble, Sand & Bleat. Organics Dense & compact, Damp
				7,11, 15					21.5-22: above grades into a crser pbly clay, Dense & cohesive
				9,21, 25					22-23.5 above grades into a Sandy Silty Clay, tr of granules
		24.5		4,7, 21	BG		CL		23.5-25: DR Brn, Sandy Silty Clay, Dense & cohesive, Damp
@25 ft: BG	Overdrill							25	

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-100 (CONT'D)

Privileged and Confidential
Private Attorney
Client Communication
and Work Product

PROJECT HRTestron, Pacoima 7841189-08 SURFACE ELEV. ~160 DATUM

WELL DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	Pid Reading (PPM) OVA	Laboratory Tests	Graphic Log	Depth Feet	DESCRIPTION OF MATERIALS (color, texture, density, moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
				7, 13, 16			SM/ ML	25	25-26.5: DK Brn Silty Clay, tr sand, dense, tr Blk organics Sl. Damp, micaceous
				7, 7, 11					26.5-27: Same as 25-26.5 27-28: Above grades into a silty, F. Sand, calcite filled vein. friable, Sl. Damp
				8, 10, 15					28-29.5: Brn, Silty V.F. Sand, tr Crse Sand, Dense/compact, Damp, grades into the below 29.5-30: lt Brn Silty F. Sand, tr Crse sand, loose, V. Damp
30ft: BG		31		3, 15 20	BG		SW	30	30-31: Brn F. & Med Sand, well sorted, V. Damp
				9, 11 11			SM		31-32.5: lt Brn Silty F. Sand, tr granules in lower portion, loose Sl. Damp
				10, 10 10			SP		32.5-34: lt Brn, F & Med Sand, tr. granules, loose 34-34.5: Brn Crse Sand, with granitic pebble & Cobbles, poorly sorted 34.5-35: Brn Med & Crs Sand
		35.5		20, 23 26	0.5			35	35-35.5: Med & Crse Sand & granules, some fines, poorly sorted 35.5-36: lt Brn Med Sand, tr. pble, Sl. Damp
				9, 30 30					36-37: Arkosic Sand, Crse gr. lots of biotite
				10, 30 30					37-38.5: Gray Tan Arkosic Sand, Clasts are granitic & mafic, weathered, angular to sub-rounded,
		40, MGT		50 F/ 5"	BG		GP		38.5-39: Brn Silty Med. Sand 39-40: Sandy Gravel, sub-rounded clasts
				27, 37 40				40	40-41.5: Gray-Wt Arkosic Med. Sand, poorly sorted, Cobbles to 1½", weathered in places, Sl. Damp
				40, 43 45					41.5-43: lt Brn Conglomerate, poorly sorted sand matrix, Weathered granitic clasts to 2½", Some Rust staining on mafic minerals Sl. Damp
				50, 50 50					43-44: Same as from 41.5-43
	Overdrill						SP	45	44-45: lt Brn, Med Sand, Some Crs Sand, tr cobbles & granules, loose, Sl. Damp.
		46.5		48, 50 F/1"	BG				45-46.5: lt Brn gravelly Med & Crs Sand, granitic & Mafic sub-rounded granules & pble, loose, Damp
				7, 12 26			CL		46.5-48: DK Reddish Brown Clay, tr. Crse Sand & granules, Massive texture, cohesive, dense.. Sl. Damp
Stop drilling				11, 15 25					48-49: DK Brn Clay, tr. Crse sand, Massive, cohesive, Dense, Sl. Damp
Resume drilling @ 51ft: BG		51, MGT		50, 50 F/1"	BG		SM	50	49-49.5: Above grades into DK Brn Sandy Clay, Sl. damp. 1 cobble 49.5-51: DK Brn Crse Sandy Clay, tr granules, Sl. Damp
				20, 30 30					51-52.5: Brn Med Sand, Some fines, tr granules & pble, some Rust Stains, loose, Sl. Damp, poorly sorted
				19, 27 30					52.5-54: lt Brn/Tan Med Sand, poorly sorted, loose, Sl. Damp
		55.5		45, 70 R	BG		SP	55	54-55.5: Gravelly Med & Crs Sand, poorly sorted, sub-rounded pble, Damp

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAIL

Privileged and Company Private Attorney Client Communication Work Product

LB-100 (CONT'D)

PROJECT HR Textron - Pacoima 7841189-08 SURFACE ELEV. 2196.0 ft MSL

WELL DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	Pid Reading (PPM) O/A	Laboratory Tests	Graphic Log	Depth feet	DESCRIPTION OF MATERIALS (color, texture, density, moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
							SP	55	55.5-57: Gravely Med & Cra Sand, poorly sorted, sub-rounded, pbls, loose, damp
				18, 50 f/2"					
				35,35 35					57-58.5: lt Brn Gravely Sand, poorly sorted, gravel ranges from granule to Cra gravel, Fresh to weathered, sub-angular, Sl. Damp Sl. Cohesive
@59 ft: BG		60		50,70 R	BG / Q2				58.5-60: lt Brn Gravely Arkosic Sand, tr mafics, Fresh & weathered pbls, Damp
				30,43 45				60	60-61.5: Same as 58.5-60.
				30,35 50			GP		61.5-63: above grade into sand with larger clasts, more mafics, Some Rust staining
@63 ft: BG									63-64.5: Same as 61.5-63, only Damp
		64.5		70,100, R	0.3 / 3.8	BG=0.2 BG=2.2			64.5-66: Same as 63-64.5, but Damp
				40,50 f/5"				65	
				20,45 50 f/5"			SP		66-67.5: lt Brn Gravely Med & Cra Sand, tr. of Mafics & Fine, Fresh & weathered clasts, loose, Damp
									67.5-69: Same as 66-67.5, some pbls, 1 Br Orange clay ball
@69 ft: BG		69		missed blow counts	BG / BG				69-70.5: lt Brn Med & Cra Sand, Some granules, tr of Fresh & Weathered pbls, poorly sorted, Sl. Cohesive, Damp
				45,50 80				70	70.5-72: Brn gravely Sand, tr F. Sand, Fresh & Weathered pbls, loose Damp
@72 ft: BG				45,50 f/5"					
	over-drill								
				37,73 R	0.5 / 9.6	BG=0.2 BG=2.4		75	74-75.5: Brn Cra & Med Sand, tr granules & pbls, loose, Damp
		75.5		44,50 f/5"					75.5-77: lt Brn gravely, Arkosic Med & Cra Sand, gravel is granule size, Sl. Cohesive, Sl. Damp
				40,50 f/5"					77-78.5: Brn gravely Sand - Same as 75.5-77
				40,50 R			GP		78.5-80: Same as 77-78.5, with 1" fresh pbls
@81.5 ft: BG		81.5		30,70 R	BG		SP	80	80-81.5: Brn pbly Med & F. Sand, pbls granule size, well rounded loose, Sl. Damp.
				40,50 f/3"					81.5-83: Brn Med & Cra Sand, but a 4½" weathered cobble ? Conglomerate
				40,50 f/5"					83-84.5: Brn gravely Med & Cra Sand, loose, Sl. Damp
@85 ft: 0.4-0.6								85	

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

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LB-100 (CONT'D)

PROJECT HR Textron - Pacoima 7641189-02 SURFACE ELEV. DATUM SL

WELL DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	Pid Reading (PPM) O/A	Laboratory Tests	Graphic Log	Depth feet	DESCRIPTION OF MATERIALS (color, texture, density, moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
		86		50, 100 R	BG		SP	85	84.5-86: Lt Brn gravelly Med & Crs Sand, poorly sorted, Orange Clay balls present, distinct gravelly zones, loose, Damp
87 ft: 1.0				45, 50 F/0"					86-87.5: Brn Med Sand, tr. granules, Fresh & weathered cobbles Rust Staining, loose, Sl. Damp
		90.5, Pen GT		40, 40 40			SW		87.5-88: Lt Brn gravelly Crs Sand, Rust Stain, tr granules, loose, Damp
90.5 ft: 1.0				65, 65 F/1"	BG		SP	90	88-89: Brn F Sand, well sorted, Sl. Cohesive, Sl Damp, tr of Med & Crs Sand in distinct zones
				R					89-90.5: Same as 88 to 89
									90.5-95: drilled thru this zone - from the little recovery gotten appears to be broken fresh granitic rock in a Brn Med & Crs Sand matrix
	Overdrill			105 F/5" R					
	Overdrill	96, Pen GT		100, 100 F/5"	BG			95	@ 94: lots of rig chatter 94.5-96: Brn gravelly Sand, poorly sorted, F. Clasts of metamorphics. Rust Staining, loose, Sl. Damp
96 ft: 0.4				100 F/5"					96-97.5: Grey-wht gravelly Med Sand, pbls & granules, Fresh & weathered Clasts, Sl. Damp to Dry
99 ft: 8.0				100, R					97.5-99: Yellow Brn Med Sand, Some granules, tr. pbls, Fresh-hard Clasts, V. Sl. Damp
	over drill								
101 ft: 2.0		101.5		30, 150 R	—		SM SP	100	100-101: Brn Sandy Silt, Sand is Crs & well rounded, loose, Dry 101-101.5: Lt Brn Crs Sand & granules, large Fresh pbls, Sl. Damp
				35, 90 R					101.5-103: Greyish-wht pbly Crs & Med Sand, poorly sorted with large pbls, loose, Sl Damp
				40, 60 R					103-104.5: Brn Med Sand, Some granules, Damp, grades into grey-wht pbly Crs Sand
105 ft: 2.5		106, Pen GT		200 F/4"	0.4			105	104.5-106: Brn Med & Crs Sand, tr granules, no large pbls, loose Damp
	over drill								
				50 F/3"					@ 109: Brn Sand, poorly sorted, Some granules, tr pbls, Sl Damp - Rig Chatter
		111.5		80, 60 R	BG			110	110-111.5: Brn F & Med Sand, tr granules & pbls in distinct pbl zones Damp
	over drill								
113 ft: BG				30, 40 40			GP		112.5-114: Grey White Conglomerate, Crs Sand matrix, Clasts are Fresh & weathered granitic & Metamorphics, Rust staining, Sl. Damp
115 ft: 1.5		MR						115	114-115.5 - no recovery - attempted to drill thru - rig chatter

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAIL

Privileged and Company Attorney Client Communication

LB-100 (CONT'D)

PROJECT HRT Petron, Pascoima 7941159-08 SURFACE ELEV. 1960' DATUM MSL

WELL DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	PID Reading (PPM) OVA	Laboratory Tests	Graphic Log	Depth Feet	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
@116ft: 1.8, inside augers	Sampled Interval, Cross-hatched area denotes % recovered	all samples collected in 2.5"x3" Brass Rings, all other intervals collected in 1.5" pin Sampler, GT = Geotechnical Sample		R - Refusal, 60+ blows for 0"	Sample headspace, PID in PID units, OVA in PPM, OVA only used from 56 to 75 feet.			115	TD of 116 ft, hit refusal, broke auger flap, lots of Rig chatter 2:15p material coming out of hole: 1½"+ cobbles of hard igneous rocks, one part of a 4½" cobble. Continued to drill under protest until 3:30p where drilling was stopped due to lack of progress.
PID readings taken 3" above boring BG: Background - Ranged from 0.2 to 0.4, mostly 0.2 units Headspace OVA Zeroed before each reading due to instrument drift									

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION

Riedel Land Company
Private Attorney
Client Communication

LB-101

PROJECT LRTestron Pacoima 7841189-05 SURFACE ELEV. 960 DATUM MSL

LOCATION Los Angeles (COUNTY) Pacoima (CITY OR TWP.) — (SECTION) 10445 Glenoaks (STREET)

DRILLER LF. Bow Quintero Jobe Sanders TYPE OF RIG Failing F-10

SAMPLER(S) 18", 18" & 24" Split Spoon DRIVE WT. 130 lbs DROP 30 IN. HOLE DIA. 6 IN.

INSPECTOR MR DL DRILLING DATE 9/15 - 9/16 DRILLING METHOD Auger

WATER AND WELL DATA

DEPTH OF WATER-Encountered None encountered, none installed Completion

WELL CASING-Type I.D.

WELL SCREEN-Type Slot Size

SCREEN PACKING-Type Size

ANNULAR SPACE SEAL Method

~~WELL~~ DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte 6" Intervals	Fld. Reading (PPM) OVA	Laboratory Tests	Graphic Log	Depth Feet	DESCRIPTION OF MATERIALS (color, texture, density, moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
9:50 A Start Drilling								0	0-1: Concrete & subgrade
9:55 A @ 1ft: BG				6, 6, 6	BG —		SM		1-2.5: Dk Brn pbly silty Sand, granules well rounded, Sl. Damp
				5, 9, 9	BG —				2.5-4: Brn silty Sand, mostly F & Med grain, trace of granules, loose, Damp
		5.5		10, 12 16	BG 0.0				4-5.5: Brn silty Sand, tr. pbls, loose, moist
				10, 17, 17			SP	5	5.5-7: Greyish wht arkosic Sand, Med gr, tr. of granule, F. Sand/Silt abundant mafics, loose, Sl. Damp
				15, 20, 20					7-8.5: Greyish wht arkosic Sand, Crse & Med gr, Some granules & Pbls loose, Sl. Damp, Rust stains
10:45 A @ 10ft: BG		10		22, 25, 30	BG 0.0				8.5-9: Brn Sand, F. & Med gr, tr granules, loose, damp
				50 6/2"			GP	10	9-10: lt. Brn gravelly sand, arkosic, poorly sorted, loose, damp
							SP		10-11.5: Hit a rock, had to drill thru - stem deflected ~3-4° due West appears to be a lt. Brn. pbly sand Crse gr.
11:05 A @ 12 ft: BG		16, Mt Cedar Sand		12, 15, 25					11.5-13: lt. Brn pbly sand, Crse gr, tr. pbles & Fines, poorly sorted loose, Damp.
				15, 30, 30					13-14: Same as 11.5-13
				5, 6, 11	BG —		ML	15	14-14.5: Dk Reddish Brn Clayey Silt, Some Sand, dense, Sl. Damp
									14.5-16: Dk Reddish Brn Clayey Silt, Mottled w/some Brn silty Clay tr. granules, dense, damp
				7, 11, 15					16-17.5: Dk Brn Silty Sand F. gr., tr of Med sand w/ varying amounts of silt, micaceous, dense, moist
2:30 P: BG				6, 8, 18					17.5-19: Dk Brn sandy Silt, cohesive but not compact, Moist
		20.5		16, 35, 40	BG 4.5				19-20.5: Dk Brn Sandy Silt, cohesive, tough, Damp
				16, 20 24				20	20.5-22: Dk Brn Sandy Silt, tr Crse Sand & granules, tr Black organics (Rootlets?) V. tough, Sl. Damp
				18, 21, 25			SM		22-22.5: Same as 20.5-22 but lacks Crse Sand & pbls
									22.5-23: Brn Silty Sand, Med gr, tr Crse Sand, Moist
							ML		23-23.5: Brn Silty Clay, tr. Sand, tr Black organics, Mottled color, Sl. Damp
3:05 P @ 24 ft: BG		25		6, 16, 25	BG 2.0				23.5-25: Dk Brn Silty Clay, tr Sand, dense but breakable, Rust Stains w/ mafics, Sl. Damp
								25	

1:50 P @

2:30 P @

3:00 P

3:30 P

HYDROGEOLOGIC LOG OF BORING AND MONITOR WELL CONSTRUCTION DETAILS

Pacific Gas and Company
Private Attorney
Construction

LB-101 (CONT'D)

PROJECT HRT eatron Pacoima 7841189-08 SURFACE ELEV. ~910 DATUM MSL

Boring WELL DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	Pid Reading (PPM) O/A	Laboratory Tests	Graphic Log	Depth (feet)	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
				9, 14, 15			ML	25	25-26.5: DR Brn Silty Clay, trace Sand, Firm - Sl. Fractured Fresh Mafic, Sl. Damp
									26.5-27: Same as 25-26.5
				10, 10, 10			SM		27-28: DR Brn Silty F. Sand, tr. granules & pbls, Mod Dense, Damp
	over drill								28-29.5: Overdrill
							SP		29.5-31: Brn gravelly Sand, dom. Med gr. with pbls & granules loose, Sl. Damp
		31		20, 25 29	BG 3.0			30	31-32: Same as 29.5-31 but becoming Sl. finer grained
				15, 15, 15			SM		32-32.5: Brn Silty Sand, F. gr., micaceous, loose, Damp
1st P @34ft: BG				10, 10, 10					32.5-34: Orangish Brn Silty Sand, F. gr. with varying amounts of silt, micaceous, Total lack of crse materials, Mod. Dense, Damp
							SP		34-34.5: Same as 32.5-34
		35.5		12, 17 18	BG 18.			35	34.5-35.5: lt Brn pbly Sand, Med and Crse gr., Damp
				15, 60 f/5"					35.5-37; Brn Sand, Med gr, tr Crse Sand, granules & pebbles, poorly sorted, Fresh Clasts of Mafic Comp., Loose, Sl. Damp
				20, 60, R					37-38.5: Same matrix as 35.5-37, except with a tr. of Silt, Fresh & weathered clasts & has distinct granule zones
				60, 100 f/3"	BG 4.2		GP		38.5-40: Brn Sandy Conglomerate, Matrix a Med gr. Sand, granules & pebbles to 1½", Fresh, rounded Granitic & Meta. clasts, Loose, Damp
		40		40, 60 f/2"				40	40-41.5: lt Brn Sandy Cong., Same as 38.5-40 with Cobbles & Rust Stain
				53, 60 f/2"			SP		41.5-43: Orangish Brn pbly Sand, poorly sorted, pbls are weathered & mostly Mafic, loose, damp
2nd P @44ft: BG				50, 100, R	0.6 42.				43-44.5: Brn Sand, Med & Crse gr, tr granules & pbls, poorly sorted, Sl. Compact, Moist
		44.5		50, 70, 90	BG 7.6			45	44.5-46: Cobble plugged sampler; V. little recovery, re-packed a 3" Brass ring for chem sampl, Appears to be the same as 43-44.5
		46, MoGT					CL		46-47.5: Reddish Brn Silty Clay, tr crse sand & granules, dense, Massive, Sl. Damp to Dry
		47.5		9, 30, 30	0.4 22.				47.5-49: Reddish Brn Sandy Clay, tr. granules & pbls, dense but only Mod. cohesive, Damp, pbls gone at base
3rd P: BG		49		15, 35, 50	0.6 34.				49-50.5: Brn Silty Sand, Med gr., tr granules & pbls of Meta. Comp., Sl. Compact
		50.5		50, 70 —	0.3 8.0		SM	50	50.5-52: Brn pbly sand, Med & Crse gr, tr of granules & pbls, Fresh & up to 2½", Loose, Moist
		52		34, 50 50	BG 7.8		SP		52-53.5: lt Brn Sand, Med. gr., tr granules & pbls, loose, Damp
3rd P: BG				20, 34, 35					53.5-55: lt Brn Sand, Med & Crse gr., Some granules & pbls of Feldspar & Mafics, loose, Sl. Damp
				—, —, —				55	
	over drill								

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

Privileged and Confidential Company

LB-101 (CONT'D)

PROJECT HR Textron, Pacoima 7841189-08 SURFACE ELEV. ~960 DATUM MSL

WELL DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	Pid Reading (PPM) OVA	Laboratory Tests	Graphic Log	Depth feet	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (30-40%), With (40-25%), Some (25-10%), Trace (10-0%))
							SP	55	55-55.5: overdrill
	Over D.11								55.5-57: lt Brn to Brn Sand, Med & Crse gr, some granules & pbls, poorly sorted becoming fine @ base, Sl. Moist
		57		33, 57, 60	0.8 / 50.				57-58.5: lt Brn Sand, Med gr, some granules in distinct zones, tr. of weathered pbls & crse sand, Sl. Dense, Sl. Damp
@58.5 ft, Stop Drilling @59.5 ft; BG				30, 40, 40					58.5-60: over drill
PID BG = 0.2 @ hole = BG Start drilling	Over drill								
		61.5		35, 60, R	BG / 0.2			60	60-61.5: lt Brn Sand, Med & Crse gr, tr granules, poorly sorted, loose, Damp
				12, 24, 30					61.5-63: Brn Sand, Med gr., poorly sorted, tr of granules & Fresh pbls @ Bottom, loose, Sl. Damp.
				50, 50 6/5"					63-64.5: lt Brn Sand, Med to Crse gr, tr granules & Fresh & weathered pbls, loose, Sl. Damp
		66		60, 90, R	0.4 / 5.2		GP SP	65	64.5-66: Brn gravelly Sand, tr F. Sand & mafics & orthoclase pbls, pbls are Fresh, Loose, Damp
				30, 45, 50					66-67.5: Brn Sand, Med gr, Some pbls in distinct zones, pbls are Fresh & weathered, loose, Damp
				20, 30, 50					67.5-69: Brn Sand, Med gr, Similar to 66-67.5, can clearly see that weathered pbls have been pounded thru
BG		70.5, 71.5		75, 60 R	BG / 0.2			70	69-70.5: Brn Sand, F & Med gr, tr crse sand and granules, no pbls loose, damp
				17, 50, 50					70.5-72: lt Brn Sand, Crse gr, poorly sorted, tr of weathered clasts that have been pounded thru, tr Rust Staining, Loose, Damp
				75, 80, R					72-73.5: Brn Sand, Med & Crse gr, tr Clay balls & Rust Staining, weathered pbls, Loose, Sl. Damp
BG				20, 50, 50					73.5-75: lt Brn Sand, poorly sorted F to Crse gr, Some weathered pbls, mafics, Rust stained, Damp
		76.5		50, 100, R	– / –		GP SP	75	75-76.5: lt Brn Crse gravelly Sand, Fresh & weathered pbls loose, Sl. Moist
				35, 100, 6/1"					76.5-78: Brn Sand, Med gr, some Fresh & weathered pbls & F. Sand, Rust staining, Loose, sl. Damp
				110, R					78-79.5: Brn Sand, F. to Crse gr, poorly sorted, Loose, Sl. Damp
		81, 81.5		100, 100, 6/3"	BG / 0.0			80	79.5-81: lt Brn Sand, F to Crse gr, poorly sorted, larger pbls up to 2", clasts are fresh
		M.R		100, 6/5"					81: hit a gneiss pbl
BG				19, 53, 70					81.5-84: Grayish wht Pbly Sand, Crse gr, tr. F. sand, pbls are Fresh, Sl. Cohesive, Sl. Damp
				130, 250, R	BG / 0.0			85	84-85.5: Brn Sand, Med gr, poorly sorted, tr granules & pbls, weathered mafics, loose, sl. Damp

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

Privileged and Confidential
Company Attorney

LB-101 (CONT'D)

PROJECT H R Textron Pacoima 7841189-08 SURFACE ELEV. ~960 DATUM MSL

Boring WELL DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	Pid Reading (PPM) OVA	Laboratory Tests	Graphic Log	Depth Feet	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
10:08 : 0.6							SP	85	85.5-87: Whitish Gray pebbly Sand, Crse gr, some Biotite, pble Fresh
				200, R					87-88.5: lt Brn pbly Sand, Med gr, distinct color & pble zones - color ranges from Brn to greyish white over 2-3", Sl Compact, Damp
				60,65, F/5"					88.5-90: Brn Sand, Med & Crse gr, tr granules, loose, damp
		90 U:GT		200 F/4"	BG —				
				97, R				90	90-91.5: Brn Sand, Med & F gr, with Fresh pble, loose, Sl Damp
				45,100 F/0"					91.5-93: Brn Sand, Crse & Med gr, with pble of Quartz & feldspar, loose, Sl. Damp
		94.5		85, 250, R	BG 1.4				93-94.5: Br Sand, Med & F gr, with pble of Quartz & feldspar & Granite, loose, Sl. Damp
11:05 A : BG				65,100 R				95	94.5-96: Brn Sand, F to Crse gr, poorly sorted with Fresh & weathered pble, Rust staining & Calcite vein stringers, loose, Sl. Damp pounded thru one 3" weathered clast
		MA		150, R			SM		96-97.5: Had a little Brn Silty Sand, poorly sorted & pbly, Loose, Damp
	over drill						GP		99-102 gr: Rocks & Boulders - can't drive a sampler - drilled to 102.5 ft
1:40 A : 0.6								100	
		102.5 MGT		200, R	— —		SP		102.5-104: Brn Pbly Sand, F to Crse gr, poorly sorted, large pble & granules. No headspace sample, No Geotech sample, repacked what was present into 1 brass ring for chemical analysis
									104-109: rough drilling, cuttings coming up are Fresh, angular Clasts of Igneous & Metamorphic composition
								105	
2:46 P : OVA Reading. Found that - hard to keep Calibrated				100, 150, R	BG 96.		SW	110	109-110.5: Whitish Gray Sand, Med gr, Well sorted, tr of granules. Biotite present, Moist
12:46 P : 0.4				62, 125, R			SM		110.5-112: lt Brn pbly Sand, F to Med gr, with sub-rounded fresh pble, Damp
				-/-					112-113.5: Brn sandy pbly Silt; Sand dom Crse gr & poorly sorted, pble are large & fresh, unit as a whole is Sl. Indurated with silt & Crse Sand sticking to pbles indicating cementing
0.4 @ 115 ft								115	

LEIGHTON AND ASSOCIATES

[illegible] 1 1 157.5-26.0 Silty Clay - dk brown to brown, tr fl tray, streaks

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

Prickett and Company
Private Attorney

LB-101 (CONT'D)

PROJECT HRTeston Pacoima 7841189-08 SURFACE ELEV. ~460 DATUM MSL

~~WELL~~ DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	PID Reading (PPM) OVA	Laboratory Tests	Graphic Log	Depth Feet	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
								115	115-122:, slow, rough, noisy drilling, cobble & boulder bed
								120	
									TD @ 122 ft @ 1730

Sampled Interval, Cross-hatched area Depth % recovered

All samples collected in 2½" x 3" Brass Rings, all other intervals collected in 14" pin Sampler, CT: Geotech Sample

R = Refusal, 60+ Blows for 0"

Sample Headspace, PID in PID units, OVA in PPM, "–" indicate a missed reading.

ID readings
ken 3" above
ring. BG:
ckground -
ged from 0.0
to 0.3, mostly 0.2

adspace OVA
read before
i reading
e to instrument
ift.

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-102

Legal and Compliance
Private Attorney
Client Communication
Work Product

PROJECT 78.4118.9-09. SURFACE ELEV. ~560 DATUM MSL

LOCATION LA (COUNTY) Pacoima (CITY OR TWP.) 10445 Glenoaks Blvd (STREET)

SECTION

DRILLER HF Drilling TYPE OF RIG F-10 CST

SAMPLER(S) DK & MPK DRIVE WT. 140 lbs DROP 30 IN. HOLE DIA. 6 IN.

INSPECTOR — DRILLING DATE 9-15-88 DRILLING METHOD Hollow Stem

WATER AND WELL DATA

DEPTH OF WATER-Encountered None encountered Completion

WELL CASING-Type I.D.

WELL SCREEN-Type Slot Size

SCREEN PACKING-Type Size

ANNULAR SPACE SEAL Method

WELL DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte. & Intervals	Fld Reading (PPM) OVA	Laboratory Tests	Graphic Log	Depth (Ft)	DESCRIPTION OF MATERIALS (color, texture, density, moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
Conductor casing set 9/15/88							20' casing	0	0-5 Fill-Sand backfill
								5	5-8 Fill-Sand backfill
								10	8-19 Native Soil - no samples
								15	
	20	BM		NA	100/1000+			20	LB-102-20 collected 9-15-88 Sandy Silt - dk gray, scattered rk frag, friable, strong odor.
Start Drilling at 7:00 AM									20-21.5 overdrill
ID - BG = 0.2 6:50 AM			CL	5 6 12		Photo 1			21.5-23.0 Silty Clay - dk brn to brn, tr sd & rk fragments, dense, friable, streaks of cont. (olive green to gray), strong odor.
ID = 0.5 @23' 7:06A			CL	15 15 15		Photo 2			23.0-24.5 Silty Clay - brn, rk frag, streaks & mottled zones of cont. (olive green to gray), strong odor
	26			4 5	88			25	24.5-26.0 Silty Clay - dk brn to brn, tr rk frag, streaks of cont. (olive green to gray) shade

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION

Lo-02

Private Attorney

PROJECT 7841189-C8 SURFACE ELEV. 960 DATUM MSL

LOCATION LA (COUNTY) Hacienda (CITY OR TWP) 10445 Glen Oaks Blvd (STREET) SECTION

DRILLER HF Drilling Inc TYPE OF RIG F-10WT

SAMPLER(S) DIS & MAR DRIVE WT. 140 lbs DROP 30 IN. HOLE DIA. 8 IN.

INSPECTOR — DRILLING DATE 9-15-88 DRILLING METHOD Hollow Stem

WATER AND WELL DATA

DEPTH OF WATER-Encountered None encountered Completion

WELL CASING-Type I.D.

WELL SCREEN-Type Slot Size

SCREEN PACKING-Type Size

ANNULAR SPACE SEAL Method

WELL DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte 6" Intervals	Pid Reading (PPM)	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
								25	26-27.5 Silty Clay - dk brown-brown, trace sd & rk frag, dense, friable, streaks of cont (olive green/gray) strong odor.
			CL	7 10 15					27.5-29.0 Silty Clay - dk brown-brown, tr sd & rk frag, dense, friable, near 29' grades into a fine to med grain sand. Cont. Zone at this contact (olive green/gray), strong odor.
		30.5	CL	8 10 13					29.0-30.5 Fine-Med. grain Sand - Tan-lgt brown granules & pebbles of rk frag, qtz & feld. strong odor, Olive green/gray zones of cont.
			SP	6 8 8	90/1000+			30	30.5-32.0 Med-Coarse Sand - Tan-brown, granules of rk frag, quartz, feld., strong odor, near 32' olive green/gray zone of cont. moist.
			SP	4 6 8					32.0-33.5 Fine-Med Sand - Tan-lgt brown, granules of rk frag, quartz, feld. strong odor, mottled zones of cont. (olive green/gray) moist.
			SP	9 13 20					33.5-35.0 Med-Coarse Sand - Tan-lgt brown, granules of rk frag, quartz, feld. Grades to a fine silty sd at the base (35'). Cont. lense in the finer silty material (olive gr/gray). strong odor.
		35	SP/SM	12 16 28	1.0/1000+			35	35.0-36.5 Fine-Coarse Sand - Tan-olive gr/gray well graded, granules of rk frag, qtz, feld in the coarser material, coarser near base. odor
			SW	10 15 18					36.5-38.0 Fine-Coarse Sand - Tan-olive gr/gray, granules of rk frag, quartz & feld, Cont. lenses (dk gray) strong odor.
			SW	11 24 24					38-39.5 Fine-Coarse Sand - Tan-brown, pebbles of rk fragments, qtz, feldspar, lenses of contaminants (olive green/gray) moist, strong odor.
		37.5	SP	21 25 32	98/1000+				39.5-41.0 Fine-Coarse Sand - Olive grn/gray-brown, pebbles of rk fragments, qtz, feldspar, strong odor
2-BG=0.4 ng=3.8 41' 8:25A			SP	NA				40	41.0-42.5 No Sample
									42.5-44.0 No Sample
2-BG=1.0 ng=1.8 13' 8:39A									44.0-45.0 Med-Coarse Sand - Tan-brown, pebble & gravel of rk frag, qtz, feld, Cont. lenses (olive grn/gray) moist, strong odor.
2-BG=0.8 ng=1.8 3' 9:15A		45	SP	25 42 70	80/1000+			45	45-46.5 Med-Coarse Sand - Tan-brown, pebble & gravel of rk frag, qtz, feld, moist, strong odor.
		46.5	SP	75 75					46.5-47.5 Med-Coarse Sand - Tan-brown, pebble & gravel of rk frag, qtz, feld, moist, odor, grades into a dense clay - red/brown, sm rk frag, friable.
...en drill									47.5-49.0 Med-Coarse Sand - Tan-brown, pebble & gravel of rk frag, qtz, feld, moist, odor, grades into a dense clay - red/brown, sm rk frag, friable.
		49	CL	25 22 25	62/1000+				49-50.5 Clay - red/brown, dense, sm rk frag, qtz, feld
2-BG=0.6 ng=0.6 5' 9:45A		50.5	CL	12 30 50	86/1000+			50	

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-102

PROJECT 784119-08 SURFACE ELEV. ~960 DATUM MSL

LOCATION LA (COUNTY) Hacienda (CITY OR TWP.) 10445 Glen Oak Blvd (SECTION / STREET)

DRILLER HF Drilling TYPE OF RIG F-10WT

SAMPLER(S) DL-MGR DRIVE WT. 140 lbs DROP 30 IN. HOLE DIA. 6 IN.

INSPECTOR — DRILLING DATE 5-19-94 DRILLING METHOD Hollow Stem

WATER AND WELL DATA

DEPTH OF WATER-Encountered None Encountered Completion

WELL CASING-Type I.D.

WELL SCREEN-Type Slot Size

SCREEN PACKING-Type Size

ANNULAR SPACE SEAL Method

WELL DETAIL	Interval	Sample No.	Type (USCS)	Stf. Pene. Rte 6" Intervals	Pid Reading (PPM)	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
								50	51-52.5 Clay - red-brwn, dense, sm.rk frag, qtz, feld, friable, moist. Grades into a lgt brwn to brwn - pebbles of rk frag, moist, odor
PID-BG-1.0 rig-1.8 53' 10:22A		52.5	SM	10 15 30					52.5-54.0 Silty Sand - Silt - lgt brwn, fine grain with rk frag, qtz, feld, slight odor
		54	SM	11 27 40	3/200				54-55.5 Coarse-Med Sand - lgt brwn, gravel & pebbles of rk frag, qtz, feld, poorly sorted, sl damp, No odor
			SP	NA				55	55.5-57.0 Coarse-Med Sand - lgt brwn, rk frag, qtz, feld, gravel & pebbles, poorly sorted, moist, No odor
			SP	10 25 45					57.0-58.5 Fine-Med. Sand - lgt brwn, gravel & pebble rk frag, qtz, feld, poorly sorted, sl. damp, No odor
			SP	10 28 30					58.5-60.0 Fine-Med. Sand - lgt brwn, gravel & pebble rk frag, qtz, feld, poorly sorted, sl. damp, No odor
		60	SP	30 42 50	1.4/240				60.0-61.5 Fine-Med. Sand - lgt brwn, gravel & pebble rk frag, qtz, feld, poorly sorted, sl. damp, sl. odor
			SP	20 30 35				60	61.5-62.5 Med-Coarse Sand - lgt brown, gravel & pebble rk frag, qtz, feld, sed. structures - sorted lenses of fine sand, sl. damp, sl. odor
			SW	10 30 40					62.5-64.0 Fine-Med. Sand - lgt brwn, gravel & pebble rk frag, qtz, feld, moderate sorting, sl. damp, sl. odor.
			SW SP	27 30 30					64.0-65.5 Fine-Med. Sand - lgt brwn, granules, rk frag, qtz, feld, poorly sorted, sl. damp, sl. odor.
PID-BG-0.2 rig-1.0 5' 11:15A		65	SP	23 50 65	0.8/120			65	65-66.5 Fine-Med. Sand - lgt brwn-brwn, gravel rk frag, qtz, feld, poorly sorted, sl. damp, sl. odor.
			SP	15 55					66.5-68.0 Fine-Med. Sand - lgt brwn-brwn, gravel rk frag, Qtz, feld, poorly sorted, sl. damp, sl. odor
			SP	45 25 37					68-70 Fine-Med Sand - lgt brwn-brwn, gravel & pebbles rk frag, Qtz, feld, poorly sorted sl damp, No odor.
		70	SP	44 100	NA			70	70-71.5 Fine-Med Sand - lgt brwn-brwn, gravel & pebbles, rk frag, Qtz, feld, poorly sorted, sl. damp, No odor
PID-BG-0.2 rig-0.2 72' 11:50A			SP	NA					71.5-73 Fine-Med Sand - lgt brwn-brwn, gravel & pebbles, rk frag, qtz, feld, poorly sorted sl. damp. No odor
			SP	40 120					73-74.5 Med-Coarse Sand - lgt brwn-brwn, gravel & pebbles, rk frag, qtz, feld, poorly sorted
		74.5	SP	26 80	.4/32			75	

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-102

Prepared and Company
Private Attorney

PROJECT 841189-08 SURFACE ELEV. ~960 DATUM MSL

LOCATION IA (COUNTY) Keokuk (CITY OR TWP.) 10445 Glen Oaks Blvd. (SECTION) (STREET)

DRILLER HF Drilling TYPE OF RIG F-10WT

SAMPLER(S) DK & MAR DRIVE WT. 140 lbs DROP 30 IN. HOLE DIA. 6 IN.

INSPECTOR DRILLING DATE 9-19-08 DRILLING METHOD Hollow Stem

WATER AND WELL DATA

DEPTH OF WATER-Encountered Completion

WELL CASING-Type I.D.

WELL SCREEN-Type Slot Size

SCREEN PACKING-Type Size

ANNULAR SPACE SEAL Method

WELL DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte 6" Intervals	PID Reading (PPM)	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIALS (color, texture, density, moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
								75	74.5-76.0 Med-Coarse Sand - lgt brwn-brwn, gravel & pebbles, rk frag, qtz, feld, poorly sorted, sl. damp, no odor.
7-BG=0.3 rig=1.2 8' 12:45 PM			SP	25 100					76 - 77.5 Med-Coarse Sand - lgt brwn-brwn, gravel & pebbles, rk frag, qtz, feld, poorly sorted, sl. damp, no odor.
		80	SP SM	55 80	.4 / 18				77.5 - 80.0 Fine - Silty Sand - brwn, gravel & pebbles, rk frag, qtz feld unconsolidated, poorly sorted, no odor, sl. damp
			SP	40 70				80	80 - 81.5 Fine - med Sand - lgt brwn-brwn, gravel & pebbles, some cobbles, rk frag, qtz, feld, poorly sorted, unconsolidated, no odor, sl. damp.
			SP	35 100 f 1"					81.5 - 83 Med-Coarse Sand - lgt brwn-brwn, gravel & cobbles, rk frag, qtz, feld, poorly sorted, unconsolidated, no odor, sl. damp
			SP	35 50					83 - 84 Med-Coarse Sand - tan-lgt brwn, gravel & pebbles, rk frag, qtz, feld, poorly sorted unconsolidated, no odor, sl. damp
		85.5	SP	95 100	.2 / 62			85	84 - 85.5 Med-Coarse Sand - lgt brwn, pebbles & gravel, rk frag, qtz, feld, poorly sorted unconsolidated, no odor, sl. damp.
				40 100					85.5 - 87 Med-Coarse Sand - tan-lgt brwn, pebbles & gravel rk frag, qtz, feld, poorly sorted, unconsolidated, no odor, sl. damp.
7								90	87 - 88.5 No Sample
7-BG=0.2 rig=0.8 10' 1:55 PM									88.5 - 90 No Sample - auger twisted off while drilling - unable to retrieve from boring

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-102A

Printed on Company Attorney Communications

PROJECT HR Textron - Pacoima SURFACE ELEV. DATUM

LOCATION LA (COUNTY) Pacoima (CITY OR TWP.) 10445 (SECTION) Glenoaks Blvd (STREET)

DRILLER HF Drilling TYPE OF RIG F-10 WT

SAMPLER(S) DK & MMR DRIVE WT. 140 lbs DROP 30 IN. HOLE DIA. 6 IN.

INSPECTOR — DRILLING DATE 9/30/88 DRILLING METHOD Hollow Stem

WATER AND WELL DATA

DEPTH OF WATER-Encountered None Encountered Completion

WELL CASING-Type I.D.

WELL SCREEN-Type Slot Size

SCREEN PACKING-Type Size

ANNULAR SPACE SEAL Method

WELL DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte 6" Intervals	Pid Reading (PPM)	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
PID - BG = 0.7 @ 7:30A									0-90 No sampling was done refer to LB-102
PID = BG 8:35A @ 90'		90		100 f 1"				90	90 - No sample - very slow drilling not much in sample recovery - alot of rig chatter. Will try to drill through this zone to 95'
		95		150 f 6" 200 f 2" 100 f 1"	.9/170			95	95-96.5 Med-Coarse Sand - lgt brwn, gravel & pebbles rk frag, qtz fld, poorly sorted, unconsolidated no odor.
									96.5-98.0 No sample - continuous sampling was abdn. will sample every 5'.
		100		120 120	.8/106			100	100 - 101.5 Med-Coarse Sand - lgt brwn gravel & pebbles rk frag, qtz, fld, poorly sorted, unconsolidated, no odor.
PID = BG 8:35A @ 105'		105						105	105 - No Sample - (Med-Coarse Sand) not enough sample retrieved
		110						110	110 - No Sample - Lost the hammer

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-102A

PROJECT 7841189-08 SURFACE ELEV. ~960 DATUM MSL

LOCATION LA (COUNTY) Pacoima (CITY OR TWP.) 10445 Glenoaks Blvd (SECTION, STREET)

DRILLER HF Drilling, Inc TYPE OF RIG F-10WT

SAMPLER(S) DK / MAR DRIVE WT. 140 lbs DROP 30 IN. HOLE DIA. 6 IN.

INSPECTOR — DRILLING DATE 10-4-88 DRILLING METHOD Hollow-Stem

WATER AND WELL DATA

DEPTH OF WATER-Encountered None encountered Completion

WELL CASING-Type I.D.

WELL SCREEN-Type Slot Size

SCREEN PACKING-Type Size

ANNULAR SPACE SEAL Method

WELL DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte. & Intervals	Pid Reading (PPM)	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIALS (color, texture, density, moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
PID - BG 1.2 Sample 7.2 rig 1.8 @ 10:25 AM		110	SP	285 f 7"	7.2			110'	fine-med sand, tan-lgt brwn, granules/pebbles of rk frag, feld, qtz, poorly sorted, unconsolidated, no odor * Cont. sampling scrapped - poor recovery and slow drilling rate.
PID - BG 1.2 Sample 8.8 rig 1.8 @ 10:40 AM		115	SP	150 f 6"	8.8			115'	med-coarse sand, tan-lgt brown, pebbles/gravel of rk frag, feld, qtz, poorly sorted, unconsolidated, no odor.
PID - BG .6 Sample 11.2 rig 3.4 @ 11:10AM		120	SP	NA	11.2			120'	med-coarse sand, tan-lgt brown, pebbles/gravel/cobbles of rk frag, feld, qtz, poorly sorted, unconsolidated, no odor.
									TD 121' - Refusal

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HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-103

PROJECT HR Textron Pacoima 7941189-08 SURFACE ELEV. ~960' DATUM MSL

LOCATION Los Angeles (COUNTY) Pacoima (CITY OR TWP.) 10445 Glenoaks (STREET) SECTION

DRILLER H.F. Drilling Guy & John TYPE OF RIG Failing F-10

SAMPLER(S) 15" Co Mod. Split Spoon 18"/4" Split Spoon DRIVE WT. 130 lbs DROP 30 IN. HOLE DIA. 8 IN.

INSPECTOR MR. DK. BAL DRILLING DATE 4/13/88 DRILLING METHOD Hollow Stem Auger

WATER AND WELL DATA

DEPTH OF WATER-Encountered NONE Completion

WELL CASING-Type I.D.

WELL SCREEN-Type Slot Size

SCREEN PACKING-Type Size

ANNULAR SPACE SEAL Method

Boring ~~WELL~~ DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte 6" Intervals	Pid Reading (PPM)	Laboratory Tests	Graphic Log	Depth Feet	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification) — Texture Proportions: And (50-40%) / With (40-25%) / Some (25-10%) / Trace (10-0%)
Start Drilling @ 11:15 A								0	Asphalt & subgrade
PID background Reading = 0.1 units									
OVA background Reading = 1.8 ppm							SP	5	Lt Brn, F. to Crse, loose Sand
OVA & PID Readings 3" above hole unless noted otherwise									
								10	Lt Brn gravelly Sand, Sand poorly sorted, F. to Crse
								15	Same as at 10'
							GM	20	Lt Brn gravelly sand, poorly sorted, F. to Crse, trace of silts
							ML	25	Firm, massive Brn Silty Clay, trace of Sand

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HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-103 (CONT'D)

PROJECT HRTexton Pacoima 7841189-08 SURFACE ELEV. _____ DATUM _____

Boring ~~WELL~~ DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	Pid Reading (PPM)	Laboratory Tests	Graphic Log	Depth Feet	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
							ML	25	Firm, massive, Brn Silty Clay trace of Sand
							CL	30	Firm, massive, Reddish Brn Clay, trace of Sand
		35,A,C,E		8,15 15			SP	35	Lt Brn Sand, poorly sorted, F. to Crse
								40	Lt Brn pebbly sand, poorly sorted, F. to crse.
		N.R.		50 6/5"					? Hit a cobble or it was a loose, uncohesive sand that fell out on the way up.
							SM	45	Brn Silty Sand
		N.R.		40,40 40					Sample fell out as sampler was being unhooked.
		50,A,C		5,25 35			CL	50	Dense, cohesive Clay
		53,A,C,E		35,40 50			SP		@52: Brn, Dk Brn arkosic Sand, poorly sorted, F. to Crse, tr. gravel & pbls, Some silt, loose & unconsolidated
		55,A,C,E		35,53 53					
		57,A,C,E		40,50 60				55	@ 55; Same as @52

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HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-103 (CONT'D)

PROJECT HRTextron Pacoima 784489-08 SURFACE ELEV. _____ DATUM _____

Boring ~~WELL~~ DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	Pid Reading (PPM)	Laboratory Tests	Graphic Log	Depth Feet	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
		St, A, C, E		40, 50, 60			SP	55	Brn, Dk Brn Arkosic Sand, poorly sorted, F. to Crse, tr. granuls & pbls, Some silt, Loose & unconsolidated
							CL	60	Brn Sandy Clay, tr. Crs Sand, Sl. damp
								65	
PID = B.G. OVA = B.G.		68, A, C		30, 60 60 F/1.5'	OVA = BG PID = BG		SP		@ 68: Brn Med. Sand, poorly sorted, F. to V. Crse, tr. granuls Crse fraction is sub-rounded, Damp, contains mafics & Biotite
								70	TD of 70 ft @ 2:30 P
B.G. = Background									A sample sent to ATI C sample sent to CRL E sample for geotechnical analysis
		N.R. = Not Recovered			Sample Headspace Reading				

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HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-103A

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PROJECT 7841189-OE SURFACE ELEV. DATUM MSL

LOCATION LA (COUNTY) Hacienda (CITY OR TWR) 10445 (SECTION) Carmenita Blvd (STREET)

DRILLER HF Drilling TYPE OF RIG F-10WT

SAMPLER(S) DK DRIVE WT. 140lbs DROP 30 IN. HOLE DIA. 6 IN.

INSPECTOR – DRILLING DATE 9-21-88 DRILLING METHOD Hollow Stem

WATER AND WELL DATA

DEPTH OF WATER-Encountered None encountered Completion

WELL CASING-Type I.D.

WELL SCREEN-Type Slot Size

SCREEN PACKING-Type Size

ANNULAR SPACE SEAL Method

WELL DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	Pid Reading (PPM)	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIALS (color, texture, density, moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
								40	
D-BG .2 Sample .6 8:30 AM		43A/C	SP	50 100 50	.6			45	Med-coarse sand, tan-lgt brwn, gravel & pebbles of rk fragments, qtz, feldspar, sl. damp, no odor, poorly sorted, unconsolidated
D-BG .8 Sample .4 9:05 AM		48A/C	CL	15 34 25	.4			50	Clay, red-brwn, dense, minor amounts of sm rk frag, qtz, feld, silt, sl. damp, no odor.
								55	
								60	
								65	

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-103A (CONT'D)

PROJECT 7841189-08 SURFACE ELEV. ~960' DATUM MSL

WELL DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	PID Reading (PPM)	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification)
								65	
PID - BG .4 Sample .4 @ 9:30AM		68A1C	SP	30 55 75				70	Med-Coarse Sand, tan-light brown, pebbles & rk frag, qtz, feld, sl. damp, no odor poorly sorted, unconsolidated.
									TD 70'

Texture Proportions: And (50-40%) | With (40-25%) | Some (25-10%) | Trace (10-0%)

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HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-104

JECT 7841189-08 SURFACE ELEV. ~960' DATUM MSL

ATION LA (COUNTY) Pacoima (CITY OR TWP) 10445 Glenoaks Blvd (SECTION / STREET)

LER HF Drilling TYPE OF RIG F-10 WT

PLER(S) DK DRIVE WT. 140 lbs DROP 30 IN. HOLE DIA. 6 IN

ECTOR DRILLING DATE 10/3/88 DRILLING METHOD Hollow Stem

TER AND WELL DATA

TH OF WATER-Encountered Ground water not encountered Completion

L CASING-Type I.D.

L SCREEN-Type Slot Size

EEN PACKING-Type Size

ULAR SPACE SEAL Method

WELL DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte 6" Intervals	Pid Reading (PPM)	Laboratory Tests	Graphic Log	Depth (Ft)	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
alibrated span 9.8 span 8.8								0	Sample interval - 10'
								5	
		10	SP	8 17 28	.06			10	med-coarse sand, tan-lgt brown, granules & pebbles of rk frag, fld, qtz, unconsolidated poorly sorted, no odor.
								15	
		20	SM/ML	14 26 30	.06			20	Fine sandy silt, tan-lgt brown, rk frag, fld, qtz, unconsolidated, well sorted, no odor.
								25	

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HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

PROJECT 7241129-CE SURFACE ELEV. ~960' DATUM MSL

LOCATION LA (COUNTY) Encinitas (CITY OR TWP) --5 Glen Crk Blvd (SECTION) (STREET)

DRILLER HF Drilling TYPE OF RIG F-250LT

SAMPLER(S) DK DRIVE WT. [illegible] DROP [illegible] IN. HOLE DIA. 6 IN.

INSPECTOR DRILLING DATE 12-3-85 DRILLING METHOD Hollow Stem

WATER AND WELL DATA

DEPTH OF WATER-Encountered Ground water not encountered Completion

WELL CASING-Type I.D.

WELL SCREEN-Type Slot Size

SCREEN PACKING-Type Size

ANNULAR SPACE SEAL Method

WELL DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte 6" Intervals	Pid Reading (PPM)	Laboratory Tests	Graphic Log	Depth (ft)	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification)
BG = .04 rig = .04		30	CL	40 60	5.8			30	Silty Clay, reddish brown, dense consolidated, friable, tr. amounts of rk frag, feld, qtz, no odor
BG = .06 rig = .06		40	SP/SM	25 80	7.0			40	Fine silty sand, tan-lgt brown, pebbles of rk frag, feld, qtz unconsolidated mod. sorted, no odor.
BG = .06 rig = .06		50	SP	70 80	11.0			50	Med-coarse sand, tan-lgt brown, pebbles cobbles of rk frag, feld, qtz. unconsolidated, poorly sorted, no odor.
								55	

Texture Proportions: And (50-40%) With (40-25%) Some (25-10%) Trace (10-0%)

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HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-104

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PROJECT 784189-02 SURFACE ELEV. ~960 DATUM

LOCATION LA (COUNTY) Acoma (CITY OR TWP.) 10445 Glen Oaks Blvd (SECTION / STREET)

DRILLER HF Drilling TYPE OF RIG F-10WT

SAMPLER(S) DK DRIVE WT. 140 lbs DROP 30 IN. HOLE DIA. 6 IN.

INSPECTOR DRILLING DATE 10/3/88 DRILLING METHOD Hollow Stem

WATER AND WELL DATA

DEPTH OF WATER-Encountered Groundwater not encountered Completion

WELL CASING-Type I.D.

WELL SCREEN-Type Slot Size

SCREEN PACKING-Type Size

ANNULAR SPACE SEAL Method

WELL DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	PID Reading (PPM)	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIALS (color, texture, density, moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
BG=.06 rig=.06		60	SP	30 60	8.8			60	Fine-Medium sand tan-light brown, granules & pebbles of rk frag, feld, qtz unconsolidated, poorly sorted, no odor
								65	
BG=.06 rig=.06		70	SP	20 90	6.4			70	Fine-Med. sand, tan-light brown, granules & pebbles of rk frag, feld, qtz. unconsolidated, poorly sorted, no odor
								75	
BG=.06 rig=.06		80	SP	35 120	6.8			80	Fine-Med sand tan-light brown, pebbles & granules of rk frag, feld, qtz. unconsolidated, poorly sorted, no odor
								85	* Drilling rates are starting to drop with alot of rig chatter.

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-104

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PROJECT 7841189-08 SURFACE ELEV. [illegible] DATUM [illegible]

LOCATION LA (COUNTY) [illegible] (CITY OR TWP.) (SECTION) [illegible] (STREET)

DRILLER HF Drilling TYPE OF RIG F-10 CT

SAMPLER(S) OK DRIVE WT. 140 lbs DROP 30 IN. HOLE DIA. 6 IN.

INSPECTOR DRILLING DATE [illegible] DRILLING METHOD Hollow Stem

WATER AND WELL DATA

DEPTH OF WATER-Encountered Completion

WELL CASING-Type I.D.

WELL SCREEN-Type Slot Size

SCREEN PACKING-Type Size

ANNULAR SPACE SEAL Method

WELL DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	Pid Reading (PPM)	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
		90		200 f5"				90	No recovery
								95	
		100		300 f2"				100	No recovery Bent the split-spoon sampler
PID - BG = .06 ng = .06		105	SP	100 100 f6"	9.6			105	Sandy silt brown, granules & pebbles of rk frag, feld, qtz, unconsolidated poorly sorted, No odor.
PID - BG = .06 ng = .06		110	SP	150 f6"	7.4			110	fine silty sand, light brown, granules & pebbles of rk frag, feld, qtz, unconsolidated poorly sorted, no odor.
								115	Hit Refusal

FIGURE 01
BORING LOG

PRELIMINARY

Project Name H. R. Textron
Project No. 84-602 Field Log of Boring No. B-3 Sheet 1 of 2

BORING LOCATION Solvent Sump		ELEVATION AND DATUM 960 ft. m.s.l.	
DRILLING AGENCY Calif. Test Drilling	DRILLER T. Ziedeman	DATE STARTED 5-23-84	DATE FINISHED 5-23-84
DRILLING EQUIPMENT 8" hollow stem continuous flight auger		COMPLETION DEPTH (FT) --	ROCK DEPTH (FT) --
DIAMETER AND TYPE OF WELL CASING -		NO. OF SAMPLES: DIST.	UNDIST. / CORE
TYPE OF PERFORATION -		WATER DEPTH (FT): FIRST	COMPL. / 24 HRS.
TYPE OF PERFORATION BACKFILL -		LOGGED BY: S.M.S.	CHECKED BY: M.H.T.
TYPE OF SEAL Bentonite/sand mixture, wetted			

DEPTH (FEET)	DESCRIPTION	GRAPHIC LOG: Lithology	GRAPHIC LOG: Observation Wall	OVA (ppm)	SAMPLES: No.	SAMPLES: Type	SAMPLES: Blow Count	SAMPLES: Drilling Rate/Time	REMARKS
	Asphalt Dark, slightly damp, fine silty sand (SM)								* x 10^2 Cuttings description
5									
10									
15	Dry, loose, light gray, well-graded coarse SAND (SW)			6	1				High chemical odor Donned gloves, tyvex coveralls, respirator
20									
22	Moist, sticky, brown, SAND (SC)			7	2				Very high chemical concentration based on odor and OVA.
25									
30									
33	Slightly damp, slightly sticky, brown coarse to medium-grained CLAYEY SAND (SC) with fine gravels			10	3				Volatile organic concentrations exceed dynamic range of OVA.
35									

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PRELIMINARY

Project Name H.R. Textron

Project No. 84-602 Field Log of Boring No. B-3 Sheet 2 of 2

DEPTH (FEET)	DESCRIPTION	GRAPHIC LOG: Lithology	GRAPHIC LOG: Observation Well	GRAPHIC LOG: OVA (ppm)	SAMPLES: No.	SAMPLES: Type	SAMPLES: Blow Count	SAMPLES: Drilling Rate/Time	REMARKS
40									
43	Dry, loose, coarse, light brown, slightly gravelly, silty SAND(SP)			.01	4		100/11		
45	Bottom of hole: 43 feet. Entire boring plugged with wetted mixture of sand and Bentonite. Drill cuttings stored in sealed class 17-H steel drums for proper disposal								
50									
55									
60									
65									
70									
75									
80									

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ENVIROPRO, INC. (818) 998-7197
8475 Canoga Avenue Canoga Park, CA 91311

Field Drilling Record

Project Name: H R Textron - Pacoima Project #: 12102

Location: 10445 Glenoaks Blvd., Pacoima Sheet: 1 of 4

Boring #: TH 1 Date: 4-29-86 Field Geologist: George Pavlov

Checked by Geologist: Harry Kues Lic. #: 264

Drill Co. Datum Exploration Drilling technique: Hollow stem auger B-61HD

Boring Diameter: 8" Sampler Standard penetrometer

Authorized Signature:

Depth (Ft.) of Sample	Sample C=Chem. G=Geo.	Blows	Graphic Log	Descriptive Data, i.e. Color; Moisture; Grain Size; Sorting, etc.
0 - 2	--	--		Dark brown Silt with pebbles up to 50 mm.
2	C,G	2-3-5/18		Dark gray medium Sand, some silt, damp, loose.
3 - 5	C,G	8-16-18/18		Dark brown medium Sand with few gravelly particles, loose, damp.
5	C,G	6-6-5/18		Red cuttings from bricks, pieces of brown rock.
6.5	C,G	6-13-10/		Red to brown cuttings from bricks, piece of wire. The samplings plugged with brown sandy Clay.
8		10-17-36/		Dark brown medium Sand and Silt with few pebbles, loose, slightly damp.

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Field Drilling Record

Project Name: H R Textron - Pacoima Project #: 12102

Location: 10445 Glenoaks Blvd., Pacoima Sheet: 2 of 4

Boring #: TH 1 Date: 4-29-86 Field Geologist: George Pavlov

Checked by Geologist: Harry Kues Harry Kues Lic. #: 264

Drill Co. Datum Exploration Drilling technique: Hollow stem auger B-61HD

Boring Diameter: 8" Sampler Standard penetrometer

Authorized Signature:

Depth (Ft.) of Sample	Sample C=Chem. G=Geo.	Blows	Graphic Log	Descriptive Data, i.e. Color; Moisture; Grain Size; Sorting, etc.
9.5	C,G	27-27-27/18		Yellowish brown medium Sand to gravel, pebbles up to 35 mm (70%), loose, damp.
11	C,G	22-26-29/18		Light yellowish gray ill sorted medium to coarse Sand with pebbles up to 35mm, loose, slightly damp.
12.5	C,G	14-19-22/18		Light yellowish gray ill sorted medium to coarse Sand with pebbles up to 15 mm, loose, damp.
14	C,G	15-10-12/18		Light yellowish gray medium to coarse Sand with pebbles up to 25 mm, loose, damp.
15.5	C,G	20-25-31/		Light yellowish brown ill sorted medium to coarse Sand with pebbles up to 30 mm, loose, damp.

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Field Drilling Record

Project Name: H R Textron - Pacoima Project #: 12102

Location: 10445 Glenoaks Blvd., Pacoima Sheet: 3 of 4

Boring #: TH 1 Date: 4-29-86 Field Geologist: George Pavlov

Checked by Geologist: Harry Kues Lic. #: 264

Drill Co. Datum Exploration Drilling technique: Hollow stem auger B-61HD

Boring Diameter: 8" Sampler Standard penetrometer

Authorized Signature:

Depth (Ft.) of Sample	Sample C=Chem. G=Geo.	Blows	Graphic Log	Descriptive Data, i.e. Color; Moisture; Grain Size; Sorting, etc.
17		16-19-20/18		Light yellowish brown ill sorted medium to coarse Sand, gravel up to 30 mm, loose, slightly damp.
18.5		14-26-26/18		Upper 1" fine Sand and Silt, damp, friable. The rest is yellowish brown ill sorted medium Sand with minor clay, loose, damp.
20		25-17-18/18		Light yellowish brown ill sorted medium to coarse Sand and pebbles up to 30 mm, loose, damp. Lowest 2" dark brown sticky, silty Clay, damp.
24.5		10-18-26/18		Yellowish brown silty to sandy Clay, damp. Clay starts between 23 and 24 feet.

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Field Drilling Record

Project Name: H R Textron - Pacoima Project #: 12102

Location: 10445 Glenoaks Blvd., Pacoima Sheet: 4 of 4

Boring #: TH 1 Date: 4-29-86 Field Geologist: George Pavlov

Checked by Geologist: Harry Kues Lic. #: 264

Drill Co. Datum Exploration Drilling technique: Hollow stem auger B-61HD

Boring Diameter: 8" Sampler Standard penetrometer

Authorized Signature: _____

Depth (Ft.) of Sample	Sample C=Chem. G=Geo.	Blows	Graphic Log	Descriptive Data, i.e. Color; Moisture; Grain Size; Sorting, etc.
29.5		12-19-29/18		Dark brown silty Clay with pebbles up to 30 mm, damp.
34.5		29-64-64/18		Light yellowish brown medium to coarse Sand and Pebbles with chips from bigger cobbles, loose, damp.
38	--	--		Big bolder, drill shakes and jumps. End of the hole.

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Field Drilling Record

Project Name: H R Textron - Pacoima Project #: 12102

Location: 10445 Glenoaks Blvd., Pacoima Sheet: 1 of 8

Boring #: TH 2 Date: 4-29-86 Field Geologist: George Pavlov

Checked by Geologist: Harry Kues Harry Kues Lic. #: 264

Drill Co. Datum Exploration Drilling technique: Hollow stem auger B-61HD

Boring Diameter: 8" Sampler Standard penetrometer

Authorized Signature:

Depth (Ft.) of Sample	Sample C=Chem. G=Geo.	Blows	Graphic Log	Descriptive Data, i.e. Color; Moisture; Grain Size; Sorting, etc.
3				Yellowish brown Silt, friable.
5		6-15-13		Yellowish gray medium Sand with
10		22-18-18		gravel particles (<1%) and pebbles up to 30 mm, loose, damp.
15		8-8-8		Yellowish brown ill sorted medium Sand with silt and minor clay, damp, friable.
18	--	--		Clayey Silt, friable.
20		8-10-10		Dark brown silty Clay, damp, stiff.
		18-27-30		Light yellow brown silty Clay with Sand particles, damp.

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Field Drilling Record

Project Name: H R Textron - Pacoima Project #: 12102

Location: 10445 Glenoaks Blvd., Pacoima Sheet: 2 of 8

Boring #: TH 2 Date: 4-29-86 Field Geologist: George Pavlov

Checked by Geologist: Harry Kues Lic. #: 264

Drill Co. Datum Exploration Drilling technique: Hollow stem auger B-61HD

Boring Diameter: 8" Sampler Standard penetrometer

Authorized Signature:

Depth (Ft.) of Sample	Sample C=Chem. G=Geo.	Blows	Graphic Log	Descriptive Data, i.e. Color; Moisture; Grain Size; Sorting, etc.
25	C,G	17-21-23/18		Dark brown clayey Silt. 10" from the bottom is yellowish brown fine Sand to Silt, damp, friable.
30	C,G	20-45-50/18		Light brown fine and coarse Sand with pieces of broken pebbles, loose, slightly damp.

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Field Drilling Record

Project Name: H R Textron - Pacoima Project #: 12102

Location: 10445 Glenoaks Blvd., Pacoima Sheet: 3 of 8

Boring #: TH 2 Date: 4-30-86 Field Geologist: George Pavlov

Checked by Geologist: Harry Kues Lic. #: 264

Drill Co. Datum Exploration Drilling technique: Hollow stem auger B-61HD

Boring Diameter: 8" Sampler Standard penetrometer

Authorized Signature:

Depth (Ft.) of Sample	Sample C=Chem. G=Geo.	Blows	Graphic Log	Descriptive Data, i.e. Color; Moisture; Grain Size; Sorting, etc.
35	C,G	4-4/ - 60/ 12 4		Olive brown medium to coarse Sand with silt, damp, friable.
40	C,G	50/ - 100/ 2 2		Light brown ill sorted medium Sand, loose, damp. On the opening of the sampler piece of rock.
45		100/6		Yellowish brown medium to coarse Sand, loose, damp, pieces of cobbles.
50	C,G	12-18-32/ 18		Yellowish brown sandy to silty Clay, damp, friable.
55	C,G	86/6		Light gray coarse Sand with pebbles and cobbles, loose, damp.

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Field Drilling Record

Project Name: H R Textron - Pacoima Project #: 12102

Location: 10445 Glenoaks Blvd., Pacoima Sheet: 4 of 8

Boring #: TH 2 Date: 4-30-86 Field Geologist: George Pavlov

Checked by Geologist: Harry Kues Lic. #: 264

Drill Co. Datum Exploration Drilling technique: Hollow stem auger B-61HD

Boring Diameter: 8" Sampler Standard penetrometer

Authorized Signature:

Depth (Ft.) of Sample	Sample C=Chem. G=Geo.	Blows	Graphic Log	Descriptive Data, i.e. Color; Moisture; Grain Size; Sorting, etc.
60	C,G	114/6		Yellowish gray medium to coarse Sand with pebbles, loose, damp. HNU = 0.3.
65	C,G	120/6		Gray medium to coarse Sand with pebbles, loose, damp. HNU = 0.3

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Field Drilling Record

Project Name: H R Textron - Pacoima Project #: 12102

Location: 10445 Glenoaks Blvd., Pacoima Sheet: 5 of 8

Boring #: TH 2 Date: 5-1-86 Field Geologist: George Pavlov

Checked by Geologist: Harry Kues Lic. #: 264

Drill Co. Datum Exploration Drilling technique: Hollow stem auger B-61HD

Boring Diameter: 8" Sampler Standard penetrometer

Authorized Signature:

Depth (Ft.) of Sample	Sample C=Chem. G=Geo.	Blows	Graphic Log	Descriptive Data, i.e. Color; Moisture; Grain Size; Sorting, etc.
70	C,G	90/ - 50/ 6 3		Olive gray medium to coarse Sand with gravel particles and pebbles up to 20 mm, loose, damp. HNU = .6 ppm.
75	C,G	165/ - 100/ 6 3		Wethered pieces of rocks broken by the sampler to medium size gray Sand. The rest is yellowish brown medium size Sand, damp, loose. HNU = 0.6 ppm.
80	C,G	86/ - 64/ 6 1		Pieces of wethered rocks reduced to medium to coarse Sand. The rest is yellowish brown medium to coarse Sand with pebbles, loose, slightly damp. HNU = 0.6 ppm.

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Field Drilling Record

Project Name: H R Textron - Pacoima Project #: 12102

Location: 10445 Glenoaks Blvd., Pacoima Sheet: 6 of 8

Boring #: TH 2 Date: 5-1-86 Field Geologist: George Pavlov

Checked by Geologist: Harry Kues Lic. #: 264

Drill Co. Datum Exploration Drilling technique: Hollow stem auger B-61HD

Boring Diameter: 8" Sampler Standard penetrometer

Authorized Signature:

Depth (Ft.) of Sample	Sample C=Chem. G=Geo.	Blows	Graphic Log	Descriptive Data, i.e. Color; Moisture; Grain Size; Sorting, etc.
85		89/ - 50/ 6 7		Light gray to yellowish gray medium with coarse Sand, granules and pieces of gravel, loose, slightly damp. HNU = 0.6 ppm.
90				Light gray fine to coarse Sand with gravel, loose, slightly damp. HNU = 0.7 ppm.
94	--	--		Drlled through a big cobble. Drill was shaking strongly.
95		400/16		Very tight sample. Mostly silty fine to medium light gray ill sorted Sand. Minor yellowish brown Sand, slightly damp. HNU = 0.5 ppm.

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Field Drilling Record

Project Name: H R Textron - Pacoima Project #: 12102

Location: 10445 Glenoaks Blvd., Pacoima Sheet: 7 of 8

Boring #: TH 2 Date: 5-1-86 Field Geologist: George Pavlov

Checked by Geologist: Harry Kues Lic. #: 264

Drill Co. Datum Exploration Drilling technique: Hollow stem auger B-61HD

Boring Diameter: 8" Sampler Standard penetrometer

Authorized Signature:

Depth (Ft.) of Sample	Sample C=Chem. G=Geo.	Blows	Graphic Log	Descriptive Data, i.e. Color; Moisture; Grain Size; Sorting, etc.
100	C,G	200/12		At the opening of the sampler few crushed pebbles. Next 10" medium olive gray Sand. The upper 2" yellowish brown medium Sand, very little moisture. HNU = 0.5 ppm.
105	C,G	200/12		Gray medium to coarse silty Sand with gravel, tight, slightly damp. HNU = 0.5 ppm.
110	C,G	200/12		Light gray fine to coarse Sand, with some gravel, tight, ill sorted, damp. HNU = 0.7 ppm.
115	C,G	200/10		Light gray silty medium Sand with gravel, loose, damp. HNU = 0.4 ppm.

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Field Drilling Record

Project Name: H R Textron - Pacoima Project #: 12102

Location: 10445 Glenoaks Blvd., Pacoima Sheet: 8 of 8

Boring #: TH 2 Date: 5-1-86 Field Geologist: George Pavlov

Checked by Geologist: Harry Kues Lic. #: 264

Drill Co. Datum Exploration Drilling technique: Hollow stem auger B-61HD

Boring Diameter: 8" Sampler Standard penetrometer

Authorized Signature:

Depth (Ft.) of Sample	Sample C=Chem. G=Geo.	Blows	Graphic Log	Descriptive Data, i.e. Color; Moisture; Grain Size; Sorting, etc.
120	C,G	200/ - 100/ 4 4		Light Yellowish gray silty fine Sand intermixed with gravelly particles from 3 mm to 40 mm, loose, slightly damp. HNU = 0.5 ppm.

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GEOTECHNICAL BORING LOG

Date 5/30/85 Drill Hole No. LB-1 23° SLANT Sheet 1 of 2

Project TEXTRON, PACOIMA Job No. 7841189-02

Drilling Co. CAL-TEST Type of Rig HOLLOW STEM AUGER

Hole Diameter 8" Drive Weight 140 lbs. Drop 12 in.

Elevation Top of Hole Ref. or Datum

Depth Feet	Graphic Log	OIL AND GREASE (mg/kg)	Tube Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	GEOTECHNICAL DESCRIPTION Logged by DER Sampled by DER
0							SP	ALLUVIUM: BROWN - DARK BROWN SAND, MEDIUM TO COARSE, MOIST, GRAVEL TO 2"
5								
10		27	1	80/6"				
15								
							SM	19' AS ABOVE, BECOMING SILTY SAND
20		15,000	2	40				20' VERY STRONG ORGANIC ODOR, BROWN SILTY SAND, FINE TO COARSE, VERY WET, GRAVEL TO 1/2"
25							SM	26' AS ABOVE, BECOMING FINER, SILTIER SAND, STRONG ORGANIC ODOR
30								

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GEOTECHNICAL BORING LOG

Date 5/30/85 Drill Hole No. LB-1 Sheet 2 of 2

Project TEXTRON, PACOIMA 23° SLANT Job No. 7B41189-02

Drilling Co. CAL - TEST Type of Rig HOLLOW STEM AUGER

Hole Diameter 8" Drive Weight 140 lbs. Drop 12 in.

Elevation Top of Hole Ref. or Datum

Logged by DER

Sampled by DER

Depth Feet	Graphic Log	Oil and Grease (mg/kg)	Tube Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	GEOTECHNICAL DESCRIPTION
30		10,000	3	41			SM	32' BROWN TO LIGHT BROWN SILTY SAND, ODOR OF ORGANICS AND HYDROCARBONS, VERY MOIST
35								
40		20,000	4	80			SM	41' AS ABOVE, BECOMING GRANULAR SILTY SAND, FINE TO COARSE. NO ORGANIC OR HYDROCARBON ODOR
45							SM	45' BROWN SILTY SAND, FINE TO COARSE, GRANULAR, MOIST, DENSE
50		30	5	80/6"				TOTAL DEPTH = 50 FEET 5 DENOTES UNDISTURBED SAMPLE ORGANIC ODOR FROM 20' TO 40' IN CUTTINGS AND SAMPLES NO WATER ENCOUNTERED

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GEOTECHNICAL BORING LOG

Date 5/30/85 Drill Hole No. LB-2 VERTICAL Sheet 1 of 2

Project TEXTRON, PACOIMA Job No. 7841189-02

Drilling Co. CAL-TEST Type of Rig HOLLOW STEM AUGER

Hole Diameter 8" Drive Weight 140 lbs Drop 12 in.

Elevation Top of Hole Ref. or Datum

Logged by DER

Sampled by DER

Depth Feet	Graphic Log	OIL AND GREASE (mg/kg)	Tube Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	GEOTECHNICAL DESCRIPTION
0							SP	ALLUVIUM: TAN TO GREY SAND, FINE TO COARSE, LOOSE, GRANULAR, SLIGHTLY MOIST, GRAVEL TO 1"
5								
10		45	6	32			SP/SM	10' GREY SAND, FINE TO COARSE, GRANULAR, SLIGHTLY MOIST, NO ODOR OF CONTAMINATION
								13' RED-BROWN SAND, FINE TO COARSE GRANULAR, GRANULAR, SLIGHTLY MOIST, POROUS
15								
20		<20	7	38			SM	20' AS ABOVE, BECOMING FINER, NO ORGANIC ODOR
							SM	23' BROWN TO LIGHT RED BROWN SILTY SAND, FINE TO COARSE
25								
30								

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GEOTECHNICAL BORING LOG

Date 5/30/85 Drill Hole No. LB-2 Sheet 2 of 2

Project TEXTRON, PACOIMA Job No. 7851189-02

Drilling Co. CAL-TEST Type of Rig HOLLOW STEM AUGER

Hole Diameter 8" Drive Weight 140 lb. Drop 12 in.

Elevation Top of Hole Ref. or Datum

Depth Feet	Graphic Log	Oil and Grease (mg/kg)	Tube Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	GEOTECHNICAL DESCRIPTION Logged by DER Sampled by DER
30		<20	8	43			SM/ML	30' BROWN SILTY SAND/SANDY SILT, FINE TO MEDIUM, NO ODOR OF CONTAMINATION
35							SM	36' BROWN SILTY SAND, FINE TO COARSE, BECOMING GRANULAR
							SM	39' AS ABOVE, BECOMING GRAVELLY TO 3"
40		<20	9	42				41' NO ODOR OF CONTAMINATION
45								
50		<20	10	80/10"				TOTAL DEPTH = 50 FEET 10 DENOTES UNDISTURBED SAMPLE NO ODOR OF CONTAMINATION NO WATER ENCOUNTERED

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HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-3

PROJECT 40841189-05 HR TEXTRON SURFACE ELEV. _____ DATUM _____

LOCATION LA (COUNTY) PACOIMA (CITY OR TWP) 10445 GLENOAKS BLVD (SECTION STREET)

DRILLER SPECTRUM DRILLING TYPE OF RIG CME 55

SAMPLER(S) CALIF. MODIF. SPLIT SPOON/CONTINUOUS DRIVE WT. 140 LBS DROP 30 IN. HOLE DIA. 6 IN.

INSPECTOR GK/BAI DRILLING DATE 1/06/87 DRILLING METHOD HSA

WATER AND WELL DATA

DEPTH OF WATER-Encountered GROUNDWATER NOT ENCOUNTERED Completion _____

WELL CASING-Type _____ I.D. _____

WELL SCREEN-Type _____ Slot Size _____

SCREEN PACKING-Type _____ Size _____

ANNULAR SPACE SEAL _____ Method _____

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Attorney Work Product

WELL DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte. & Intervals	Pid Reading (PPM)	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIAL (color, texture, moisture, classification) Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%)
SAMPLED INTERVAL: CROSS HATCHED AREA DENOTES FOOTAGE RECOVERED. NOTE: FOR EACH SAMPLE INTERVAL NUMBERED, 2 CHEMICAL SAMPLES WERE COLLECTED. DESIGNATES SAMPLE A & B. SAMPLE A: TO ANALYTICAL TECHNOLOGIES, INC SAMPLE B: ANALYZED BY CHEMICAL RESEARCH LABORATORIES ON SITE WITH MOBILE LAB.	GR							0	@.5' SILT: BROWN TO DARK BROWN, LOOSE TO EASILY FRIABLE, SCATTERED PEBBLES, GRANULES AND COBBLES.
		1	SM	10/12/18	1/100				@3' SAND: FROSTED, PINK, WHITE QUARTZ AND FELDSPARS, FINE TO VERY COARSE, SCATTERED GRANULES AND PEBBLES, OCCASIONAL COBBLES, FAIR SORT, CLEAN: UNCONSOLIDATED, FAIR AMOUNT MUSCOVITE MICA FLAKES, NO ODOR.
		2	SP	13/17/11	0/0			5	
		NR	SP	20/40/40	0/0				@8' SAND: AS ABOVE. ATTEMPTED TO SAMPLE 3 TIMES WITH NO RECOVERY OTHER THAN APPROXIMATELY 1" OF SAND & ROCKS.
								10	@10' SAND: VARICOLORED QUARTZ AND FELDSPARS SOME BLACK MAFICS, FINE TO PEBBLY, OCCASIONAL COBBLES, SUBANGULAR-ROUNDED, MOSTLY SUBROUNDED, GOOD SORT, UNCONSOLIDATED, CLEAN, DRY.
		3	SM/SP/CL/SM/ML	10/12/16	.5/2				@13' CLAY/SANDY SILT: REDDISH BROWN, LOW TO MODERATE PLASTICITY, SILTY, DRY. SILT IS VERY SANDY WITH SCATTERED GRANULES AND PEBBLES, SLIGHT ODOR.
								15	@16' SAND/SILTY SAND/SANDY SILT/CLAY: LIGHT REDDISH BROWN SAND, FINE TO GRANULES GRADING DOWNWARDS TO A SILTY SAND AND THEN SANDY SILT WITH A DARK REDDISH BROWN, LOW PLASTICITY CLAY OVERLYING & UNDERLYING THE SAND, NO ODOR.
		4	CL/SM-CL/CL	6/7/8	.5/50				@18' SILTY CLAY: DARK REDDISH BROWN, MASSIVE, FIRM, MODERATE PLASTICITY, GRAVELLY W/ SCATTERED COBBLES, NO ODOR, ABUNDANT MICA FLAKES
								20	@20' SANDY SILTY CLAY GRADING TO A SILTY CLAY GRADING TO A DENSE, FIRM, MASSIVE DARK REDDISH BROWN CLAY WITH SCATTERED COARSE & VERY COARSE GRAINS, SANDY/SILTY CLAY & SILTY CLAY ARE EASILY FRIABLE, VERY ABUNDANT MICA FLAKES, NO ODOR.
		5	CL	10/15/24	.5/10				@23' CLAY: DARK REDDISH BROWN, DENSE, FIRM, MASSIVE, SCATTERED COARSE AND VERY COARSE FELDSPAR AND QUARTZ GRAINS, LOW PLASTICITY, NO ODOR.
								25	

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-3 (CONT'D)

PROJECT HR TEXTRON/PACOIMA #40841139-05 SURFACE ELEV. _____ DATUM _____

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WELL DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	PID Reading (PPM)	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIALS (color, texture, consistency, moisture, odor, cementation, structure, plasticity, grain size, sorting, angularity, hardness, mineralogy) (And (50-40%), With (40-20%), Some (20-10%), Trace (10-0%))
			CL					25	@25' CLAY: DARK REDDISH BROWN, DENSE, FIRM, LOW PLASTICITY CLAY WITH SCATTERED MEDIUM TO VERY COARSE QUARTZ AND FELDSPAR GRAINS, GRADING TO A SILTY CLAY AT BASE, NO ODOR, TRACE MICA FLAKES, DRY.
		6	SM	11/14/20	.4/18				@28' SILTY SAND: LIGHT REDDISH BROWN TO RED OVERALL COLOR, VERY FINE TO VERY COARSE, SCATTERED GRANULES PRIMARILY COARSE TO MEDIUM, FAIR SORT, SLIGHT CONSOLIDATION, EASILY FRIABLE, SILTY TO SOME CLAY IN PARTS, NO MICA, NO ODOR.
			SP					30	
		7	SP	14/17/20	0/1				@31' SAND: REDDISH BROWN OVERALL COLOR, FROSTED, MILKY WHITE + VARI-COLORED QUARTZ W/ SOME FELDSPARS, VERY FINE TO GRANULES, PRIMARILY COARSE, SUBROUNDED TO ROUNDED, GOOD SORT, UNCONSOLIDATED, CLEAN TO SLIGHTLY SILTY, TRACE MAFICS, NO ODOR.
								35	@33' SAND: LIGHT REDDISH BROWN TO RED OVERALL COLOR, FROSTED, MILKY WHITE QUARTZ W/SOME FELDSPARS, FINE TO VERY COARSE, PRIMARILY MEDIUM TO COARSE, SUBANGULAR TO SUBROUNDED, SOME ANGULAR, GOOD SORT, LOOSE AND UNCONSOLIDATED, DRY, NO ODOR.
									@35' SAND: AS ABOVE, CLEAN W/ SLIGHT SILT IN SPOTS, UNCONSOLIDATED, DRY.
		8	SP	50/5"	NA				@38' SAND: AS ABOVE EXCEPT BECOMING INCREASINGLY COARSER W/DEPTH, SCATTERED GRANULES, PEBBLES AND OCCASIONAL COBBLES, LOOSE AND UNCONSOLIDATED, DRY, NO ODOR.
								40	@40' SAND: LIGHT REDDISH BROWN, FINE TO COBBLY QUARTZ AND GRANITIC FRAGMENTS, LOOSE AND UNCONSOLIDATED POOR SORT, DRY, NO ODOR
		9	SP	70/6"	0/NA				@43' SAND: LIGHT REDDISH BROWN, FINE TO PEBBLY, SOME COBBLES OF QUARTZ, FELDSPARS, MAFICS AND GRANITIC FRAGMENTS, UNCONSOLIDATED, CLEAN, POOR SORT, DRY.
								45	@46' CLAY: YELLOWISH BROWN SILTY CLAY UNDERLYING COBBLY, POORLY SORTED SAND, GRADES TO A DENSE, MASSIVE, FIRM, LOW PLASTICITY CLAY HAVING A DARK REDDISH BROWN COLOR, OCCASIONAL SCATTERED VERY COARSE + GRANULAR GRAINS.
		10	SM-SP/CL	30/50/50	1/NA				@48' CLAY: REDDISH BROWN, DENSE, FIRM, AS ABOVE.
								50	@50' SAND: RECOVERY APPROX 6". CLAY AS ABOVE OVERLYING A LIGHT REDDISH BROWN, FINE TO VERY COARSE, FAIR SORTED, SILTY SAND, UNCONSOLIDATED, DRY, NO ODOR, PREDOMINANTLY COARSE.
		11	SP	40/50	0/NA				@53' SAND: LIGHT RED OVERALL COLOR, FROSTED, MILKY, WHITE, PINK, RED, SOME GREEN QUARTZ AND FELDSPARS, FINE TO VERY COARSE, SCATTERED TRACE GRANULES AND PEBBLES, GOOD SORT, UNCONSOLIDATED, CLEAN, NO ODOR
								55	

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-3 (CONT'D)

PROJECT HR TEXTRON/PACOIMA #40641189-05 SURFACE ELEV. _____ DATUM _____

WELL DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	Pid Reading (PPM)/CM	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
Privileged and Company Private Attorney Client Communication and Work Product								55	@55' SAND: YELLOWISH BROWN OVERALL COLOR, FROSTED, CLEAR WHITE AND VARI-COLORED QUARTZ, FELDSPAR AND MAFIC FRAGMENTS, FINE TO VERY COARSE WITH SCATTERED PEBBLES SUBANGULAR TO ROUNDED, PRIMARILY SUBROUNDED, GOOD SORT, LOOSE AND UNCONSOLIDATED, VERY ABUNDANT BIOTITE FLAKES, NO ODOR, DRY.
		12	SP	45/50 F/4"	NA				@58' SAND: PREDOMINANTLY AS ABOVE EXCEPT ONLY SCATTERED TRACES OF GRANULES AND PEBBLES, UNCONSOLIDATED, CLEAN, NO ODOR, DRY.
								60	@60' SAND: YELLOWISH BROWN OVERALL COLOR, FROSTED, CLEAR WHITE, SOME YELLOW AND PINK, QUARTZ ALSO VARI-COLORED LITHIC FRAGMENTS - SCHISTS + GRANITES, FINE TO VERY COARSE WITH ABUNDANT TO SCATTERED PEBBLES, GOOD SORT, UNCONSOLIDATED + LOOSE, CLEAN, NO ODOR, DRY.
		13	SP	40/50 F/4"	0/NA				@63' SAND: AS ABOVE WITH COBBLES. SOME BROKEN PIECES OF ROCK. VERY LOOSE AND UNCONSOLIDATED, CLEAN, NO ODOR, DRY.
								65	@66' SAND: LIGHT YELLOWISH BROWN OVERALL COLOR, FROSTED, MILKY, CLEAR, QUARTZ, VARI-COLORED LITHIC FRAGMENTS AND MAFICS, FINE TO VERY COARSE WITH SOME PEBBLES AND ABUNDANT GRANULES, POOR SORT, LOOSE AND UNCONSOLIDATED, CLEAN, NO ODOR, DRY.
		14	SP	70 F/5"	NA				
								70	@70' SAND: PREDOMINANTLY AS ABOVE, PRIMARILY COARSE AND VERY COARSE WITH GRANULES AND SCATTERED PEBBLES, LOOSE AND UNCONSOLIDATED, GOOD SORT, CLEAN, NO ODOR, DRY.
		15	SP	70 F/4"	NA				@73' SAND: LIGHT GRAY TO GRAY, FROSTED, MILKY, CLEAR, LIGHT GRAY, SOME PINK, TRACE GREEN AND WHITE QUARTZ WITH ABUNDANT GRANITIC FRAGMENTS AND TRACE MAFICS, FINE TO GRANULES, SCATTERED PEBBLES AND COBBLES, ANGULAR TO SUBROUNDED, POOR TO FAIR SORT, CLEAN, LOOSE AND UNCONSOLIDATED, NO ODOR. SAND FROM CORE AT 75' THE SAME EXCEPT LIGHT YELLOW BROWN OVERALL COLOR: VERY PEBBLY + COBBLY
								75	
		16	SM/SP/SM	70 F/4"	0/1				@78' SILT/SAND: DARK BROWN TO BROWN FINELY SANDY SILT - LOOSE OVERLYING WHITISH GRAY SAND HAVING VARIOUS LITHIC FRAGMENTS, FINE TO COBBLY, POOR SORT, CLEAN, UNCONSOLIDATED, VERY DRY, NO ODOR.
								80	@80' SILT/SAND: DARK BROWN SANDY SILT - LOOSE + UNCONSOLIDATED OVERLYING A WHITE TO YELLOW BROWN SAND COMPOSED OF FROSTED CLEAR AND WHITE QUARTZ AND FELDSPARS AND AREAS OF IN-SITU DECOMPOSED GRANITES LEAVING ONLY ABUNDANT BIOTITE + QUARTZ FRAGMENTS, FINE TO COBBLY, PRIMARILY VERY COARSE, POOR SORT, UNCONSOLIDATED + LOOSE, DRY, NO ODOR.
SAMPLE 17 NO B SAMPLE FOR COL MOBILE LAB.		17	SP	80 F/4"	NA				@83' SAND: LIGHT TO DARK GRAY OVERALL COLOR, FROSTED, WHITE CLEAR + VARI-COLORED QUARTZ AND FELDSPARS, SOME MAFICS, VERY FINE TO VERY COARSE WITH SCATTERED GRANULES AND PEBBLES, POOR TO FAIR SORT, UNCONSOLIDATED + LOOSE, DRY, NO ODOR.
								85	

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-3 (CONT'D)

PROJECT HR TEXTRON #40941189-05 SURFACE ELEV. _____ DATUM _____

Privileged and Company Private Attorney Client Communication and Work Product

WELL DETAIL	SOIL OR ROCK SAMPLE: Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	PID Reading (PPM)/OVA	Laboratory Tests	Graphic Log	Depth
					0 / 7.2			85
			SP/SM/SP					
		18	SP/SM	80 F/4"	0 / 7.2			90
		19	SP/SM/SP	80 F/3"				95
SAMPLE NO. 20 ONLY 3" RECOVERY DUE TO COBBLE. RETRIEVED ENOUGH FOR SZOB. SAMPLE TO CRL MOBILE LAB.		20	SP/SM/SP	70 F/3"				100
SAMPLE 21 ONLY ABLE TO SAMPLE AND RECOVER 3". UNABLE TO COLLECT FULL SAMPLES FOR ANALYSIS SO WILL TAKE SAMPLE FROM CONTINUOUS SAMPLER AND TRANSFER TO RINGS.		21	SP	80 F/3"	0 / 0			105
SAMPLE 22 RECOVERED ONLY ENOUGH SAMPLE TO FILL 1 RING. WILL COLLECT RING FROM CONTINUOUS SAMPLER FOR CRL MOBILE LAB		22 23	SP SP	70 F/5" SAMPLE 23 FROM CORE BARREL. SAMPLE FROM REWORKED FORMATION.				110
								115

DESCRIPTION OF MATERIALS

color, texture, density moisture, classification

Texture Proportions: And (50-40%) With (40-25%) Some (25-10%) Trace (10-0%)

@85' SAND: LIGHT GRAY TO GRAY OVERALL COLOR, FINE TO PEBBLY, SCATTERED COBBLES, FROSTED, CLEAR, WHITE AND VARI-COLORED QUARTZ AND FELDSPARS, MOSTLY QUARTZ W/SOME MAFICS, ANGULAR TO SUBROUNDED W/ PEBBLES + GRANULES TENDING TO BE ROUNDED, FAIR SORT, LOOSE + UNCONSOLIDATED, ABUNDANT BIOTITE FLAKES, DRY, NO ODOR.

@88' SILT/SAND: DARK BROWN, LOOSE SANDY SILT, DRY OVERLYING SAND AS ABOVE, NO ODOR.

@90' SAND: LIGHT YELLOWISH BROWN AND LIGHT GRAY, PRIMARILY FROSTED, MILKY, WHITE AND CLEAR QUARTZ WITH FELDSPARS AND TRACE MAFICS, FINE TO PEBBLY, SCATTERED COBBLES, MOSTLY VERY COARSE TO COARSE, ANGULAR TO SUBROUNDED, FAIR SORT, LOOSE AND UNCONSOLIDATED, DRY, NO ODOR, SOME BIOTITE FLAKES.

@93' SILT: DARK BROWN TO BROWN, SANDY, LOOSE + CRUMBLY, VERY DRY.

@96' SAND: LIGHT YELLOW BROWN AND GRAY, FROSTED, WHITE, MILKY, CLEAR, SOME PINK: YELLOW QUARTZ AND FELDSPARS SOME MAFIC FRAGMENTS, FINE TO COBBLY, PRIMARILY COARSE TO VERY COARSE, ANGULAR TO SUBROUNDED, TR ROUNDED, POOR SORT, LOOSE + UNCONSOLIDATED, DRY, NO ODOR.

@100' SAND: LIGHT BROWN TO LIGHT YELLOW BROWN BECOMING LIGHT GRAY AT BASE, FROSTED, MILKY, WHITE, CLEAR, PINK: GRAY QUARTZ AND FELDSPARS, SOME RUST STAINING, VERY FINE TO PEBBLY, SCATTERED COBBLES, MOSTLY MEDIUM, POOR SORT, LOOSE AND UNCONSOLIDATED, SOME MICA, DRY, NO ODOR.

@104' SAND: LIGHT YELLOW BROWN TO GRAY, VARIOUS COLORED QUARTZ AND FELDSPARS WITH VERY ABUNDANT PEBBLE SIZED GRANITE/METAMORPHIC AND MAFIC FRAGMENTS, FINE TO COBBLY, PRIMARILY MEDIUM TO COARSE, VERY POOR SORT, LOOSE AND UNCONSOLIDATED, VERY DRY, SOME MUSCOVITE AND MICA, NO ODOR.

@109' SAND: LIGHT YELLOWISH BROWN TO GRAY, FROST, WHITE, CLEAR, MILKY, SOME PINK + LIGHT AND DARK GRAY QUARTZ, FINE TO PEBBLY PRIMARILY VERY COARSE TO COARSE, POOR SORT, UNCONSOLIDATED, CLEAN, NO ODOR

REFUSAL @110' HIT BOULDER AT 110' AND UNABLE TO PENETRATE TO DRILL DEEPER. ABLE TO TAKE CHEMICAL SAMPLE FROM THE 2' OF CONTINUOUS CORE AT 108'-110'.

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-4

PROJECT HR TEXTRON/PACOIMA 40841169-05 SURFACE ELEV. _____ DATUM _____

LOCATION LOS ANGELES (COUNTY) PACOIMA (CITY OR TWP.) 10445 GLENOAKS BLVD. (SECTION / STREET)

DRILLER SPECTRUM EXPLORATION TYPE OF RIG CME-55

SAMPLER(S) CALIF. MODIF. SPLIT SPOON/CONTINUOUS DRIVE WT. 140 lbs DROP 30 IN. HOLE DIA. 6 IN.

INSPECTOR BAL/GK DRILLING DATE 11/3/88-11/12/88 DRILLING METHOD HSA

WATER AND WELL DATA

DEPTH OF WATER-Encountered WATER NOT ENCOUNTERED Completion

WELL CASING-Type I.D.

WELL SCREEN-Type Slot Size

SCREEN PACKING-Type Size

ANNULAR SPACE SEAL Method

Privileged and Company
Private Attorney
Client Communication
and Work Product

WELL DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	Pid Reading (PPM)/OVA	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIALS (color, texture, density, moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
SAMPLED INTERVAL CROSS-HATCHED AREA DENOTES FOOTAGE RECOVERED. NOTE: FOR EACH SAMPLED INTERVAL DESIGNATED W/A NUMBER, 2 RINGS WERE COLLECTED FOR ANALYSIS AND LABELED A & B. SAMPLE A: TO ANALYTICAL TECHNOLOGIES, INC SAMPLE B: ANALYZED IN CHEMICAL RESEARCH MOBILE LAB AT ...E		1	SP	11/14	0/0			0	PAVEMENT @.5' SAND: LIGHT YELLOWISH BROWN, FROSTED, CLEAR, WHITE AND VARI-COLORED QUARTZ AND FELDSPARS, FINE TO PEBBLY, POOR SORT, UNCONSOLIDATED AND LOOSE, DRY, NO ODOR, UNDERLAIN BY BROWN SILT AND LIGHT BROWN SANDY SILT.
			SM	21					
		2	SM	9/15	0/.2				@4' SAND: LIGHT YELLOWISH BROWN OVERALL COLOR, FROSTED, WHITE, MILKY, CLEAR, PINK & YELLOW QUARTZ AND FELDSPARS, TRACE MAFICS, VERY FINE TO PEBBLY, PRIMARILY COARSE TO GRANULAR, ANGULAR TO SUB-ROUNDED W/ PEBBLES AND GRANULES, TENDING TO BE ROUNDED, POOR SORT, UNCONSOLIDATED: LOOSE, DRY, NO ODOR.
			SP	18				5	
			SP						
		3	CL/SP	25/30	0/2.2				@8' SAND/CLAY: SAND AS ABOVE OVERLYING A DARK REDDISH BROWN, LOW PLASTICITY, MODERATELY DENSE SILTY CLAY W/SCATTERED PEBBLES, DRY, NO ODOR.
			SM	14				10	@11' CLAY/SANDY SILT: REDDISH BROWN, LOW PLASTICITY, DRY, MASSIVE CLAY OVERLYING AN OCRE TO YELLOW-RED COLORED, SANDY SILT, EASILY FRIABLE TO LOOSE, SCATTERED GRANULES AND PEBBLES, DRY, NO ODOR.
		4	SM	8/15	0/.6				@13' SANDY SILT: LIGHT YELLOW BROWN TO OCHRE, VERY FINELY SANDY, WITH SCATTERED GRANULES AND PEBBLES, VERY EASILY FRIABLE TO LOOSE, DRY, NO ODOR.
			SM	15				15	@16' SANDY SILT: AS ABOVE WITH SCATTERED TRACE PEBBLES AND GRANULES, OCCASIONAL VERY THIN LAYERS OR STREAKS OF ABUNDANT GRANULES, DRY, NO ODOR.
		5	CL/SM	12/16	0/5.2				@18' SANDY SILT: BECOMING DARK YELLOWISH BROWN TO BROWN, EASILY FRIABLE, SANDY, DRY, NO ODOR.
			CL	18				20	@20 CLAY/SANDY SILT: DARK BROWN TO DARK REDDISH BROWN, MASSIVE, DENSE, DRY CLAY WITH SCATTERED TRACE GRANULES AND PEBBLES, OVERLYING A DARK BROWN TO BROWN, EASILY FRIABLE TO FIRM FRIABLE, MASSIVE, FAIRLY SANDY, DRY SILT, NO ODOR.
			SM						
		6	CL	20/50	.03/2				@23' CLAY: DARK REDDISH BROWN TO BROWN, MASSIVE, DENSE & FIRM, LOW PLASTICITY, DRY, SCATTERED COARSE TO GRANULES, NO ODOR.
			CL					25	

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-4 (CONT'D)

PROJECT HR TEXTRON/PACOIMA 40841189- SURFACE ELEV. _____ DATUM _____

WELL DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	Pid Reading (PPM) OVA	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
Privileged and Company Private Attorney Client Communication and Work Product			CL					25	@25' CLAY: DARK REDDISH BROWN, MASSIVE, FIRM TO EASILY FRIABLE, VERY SANDY TO SILTY IN PARTS, SCATTERED COARSE TO GRANULES, LOW TO MODERATE PLASTICITY, GRADES TO A VERY SANDY SILT W/DEPTH, DRY, NO ODOR.
		7	CL/SM/SM/SP	9/13/14	.4/10.4			30	@28' SANDY SILT: DARK REDDISH BROWN, EASILY FRIABLE TO LOOSE, VERY FINELY SANDY, SOME MICA, DRY TO SLIGHTLY MOIST, NO ODOR.
		8	SM/SP	16/28/28	.4/6.5				@32' SILTY SAND: LIGHT REDDISH BROWN TO LT BROWN, VERY FINE TO FINE W/SOME MEDIUM AND SCATTERED COARSE TO GRANULES, VERY SILT, MAY GRADE TO SANDY SILT, EASILY FRIABLE TO LOOSE, DRY, NO ODOR.
								35	@34' SILTY SAND: AS ABOVE EXCEPT BECOMING INCREASINGLY SANDIER AT BASE WITH GRANULES AND PEBBLES SCATTERED, DRY, NO ODOR.
SAMPLE 9 ONLY RECOVERED ABOUT 4" OF SAMPLE. SAMPLE TO CRL MOBILE LAB ONLY. NO "A" SAMPLE		9	SP/SP	60 F/6"	NA/.4/NA				@37' SAND: LIGHT BROWN TO REDDISH BROWN OVERALL COLOR, FROSTED, MILKY, WHITE, SOME CLEAR AND PINK QUARTZ W/SOME FELDSPARS, FINE TO PEBBLY, SCATTERED COBBLES, GOOD TO POOR SORT, LOOSE AND UNCONSOLIDATED, SOME MICA FLAKES, DRY, NO ODOR, SLIGHT SILT MATRIX.
SAMPLE 10 ONLY RECOVERED ENOUGH SAMPLE FOR SAMPLE "B" TO CRL MOBILE LAB. WILL TAKE A SAMPLE FROM TOP OF CONTINUOUS SAMPLER FOR SAMPLE "A" TO AT 1.		10	SP/SP	50 F/5"	NA/.6/18			40	@40' SAND: LIGHT REDDISH BROWN TO BROWN, WHITE, FROSTED, MILKY, SOME CLEAR: PINK FELDSPARS AND QUARTZ, FINE TO COBBLY, PRIMARILY COARSE AND VERY COARSE. CONTAINS LAYERS COMPOSED OF IN-SITU DECOMPOSED GRANITES WITH ABUNDANT BIOTITE MICA FLAKES, ANGULAR TO SUBROUNDED, COBBLES TENDING TO BE ROUNDED, VERY POOR SORT, LOOSE AND UNCONSOLIDATED, SLIGHTLY SILTY TO CLEAN, DRY, NO ODOR.
		11	CL/SM	60 F/6"	NA/.2/1.2			45	@45' SAND/CLAY: SAND AS ABOVE EXCEPT ONLY SCATTERED PEBBLES AND COBBLES, FAIR SORT, LOOSE & UNCONSOLIDATED, DRY OVERLYING A DARK REDDISH BROWN, MASSIVE, DENSE, LOW PLASTICITY CLAY W/ SCATTERED GRANULES AND PEBBLES, DRY, NO ODOR.
									@48' CLAY: DARK REDDISH BROWN, FIRM, DENSE, LOW PLASTICITY CLAY, SANDY W/SCATTERED PEBBLES AND OCCASIONAL COBBLE, DRY, NO ODOR.
		12	SP/SP	60 F/6"	NA			50	@51' CLAY/SILTY SAND: CLAY AS ABOVE OVERLYING A DARK REDDISH BROWN, FROSTED, WHITE & MILKY QUARTZ AND FELDSPATHIC SILTY SAND, FINE TO GRANULES, PRIMARILY COARSE, FAIR SORT, LOOSE AND UNCONSOLIDATED TO SLIGHT CONSOLIDATION WHEN VERY SILTY, DRY, NO ODOR.
								55	@54' SAND: LIGHT REDDISH BROWN TO BROWN, FROSTED, MILKY, WHITE, SOME CLEAR: PINK QUARTZ & FELDSPARS, MEDIUM TO GRANULES & PEBBLES, SCATTERED COBBLES, POOR SORT, UNCONSOLIDATED, DRY, NO ODOR.

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-4 (CONT'D)

PROJECT HR TEXTRON/PACOIMA 40841189-09 SURFACE ELEV. _____ DATUM _____

Privileged and Confidential
Private Attorney Client Communication and Work Product

Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	Pid Reading (PPM)	Laboratory Tests	Depth	Description of Materials (color, texture, density moisture, classification; Texture Proportions: And (50-40%), With (40-25%), Some (25-10%), Trace (10-0%))
		SP				55	@55' SAND: LIGHT BROWN TO LT REDDISH BROWN, MILKY, WHITE, FROSTED, SOME CLEAR: WHITE FELDSPARS AND QUARTZ, TRACE MAFICS, FINE TO PEBBLY, PRIMARILY VERY COARSE AND GRANULAR, SUBANGULAR TO ROUNDED, POOR TO FAIR SORT, LOOSE AND UNCONSOLIDATED, CLEAN TO VERY SLIGHTLY SILTY, DRY, NO ODOR.
	13	SP	30/50 F/5"	NA			@58' SAND: AS ABOVE, SCATTERED COBBLES, LOOSE AND UNCONSOLIDATED, DRY.
		SP				60	@60' SAND: LIGHT BROWN TO LIGHT REDDISH BROWN, FROSTED, WHITE, MILKY, SOME LIGHT GRAY, PINK: CLEAR QUARTZ AND FELDSPAR, COARSE TO PEBBLY, SCATTERED COBBLES, SOME MEDIUM, PRIMARILY VERY COARSE, SUBANGULAR TO ROUNDED, PRIMARILY SUBROUNDED, FAIR TO POOR SORT, LOOSE AND UNCONSOLIDATED, CLEAN W/ TRACE SILT, INTERLAYER OF IN-SITU DECOMPOSED GRANITE W/ ABUNDANT BIOTITE FLAKES AND SCATTERED MUSCOVITE, DRY, NO ODOR.
SAMPLE 14 NO RECOVERY. REFUSAL. SAMPLES COLLECTED FROM CONTINUOUS SAMPLE BARREL + PLACED IN RINGS.	14	SP	80/REF.	NA			
		SP				65	@65' SAND: LIGHT REDDISH BROWN TO LIGHT BROWN OVERALL COLOR, WHITE, MILKY, FROSTED, SOME CLEAR AND PINK, TRACE CHLORITE, QUARTZ + FELDSPARS. FINE TO COBBLY, MOSTLY COARSE TO VERY COARSE, ANGULAR TO ROUNDED, PRIMARILY SUBANGULAR WITH GRANULES + PEBBLES TENDING TO BE ROUNDED, POOR SORT, LOOSE AND UNCONSOLIDATED, SOME BIOTITE AND MUSCOVITE, SLIGHTLY SILTY TO CLEAN, DRY, NO ODOR.
	15	SP / SM / SP	60 F/5"	NA			
		SP /		.4/2.0		70	@71' SAND/SILTY SAND: PREDOMINANTLY AS ABOVE EXCEPT SILTY AT THE TOP AND BECOMING CLEANER AT THE BASE, VERY FELDSPATHIC W/ SCATTERED SPOTS OF DECOMPOSED GRANITE COBBLES, DRY, LOOSE.
SAMPLE 16 3" RECOVERY. ONLY ENOUGH SAMPLE FOR "A" SAMPLE TO ATI. "B" SAMPLE FOR CRL COLLECTED FROM TOP OF CONTINUOUS CORE BARREL	16	SP	60 F/5"	NA			
		SP				75	@75' SAND: LIGHT REDDISH BROWN TO LIGHT BROWN, WHITE, MILKY, SOME CLEAR AND FROSTED, TRACE PINK FELDSPARS AND QUARTZ, APPEARS HIGHLY WEATHERED AND DECOMPOSED, OCCASIONAL PEBBLE OF MAFICS AND CHLORITE, FINE TO COBBLY, PRIMARILY COARSE TO GRANULAR, POOR SORT, LOOSE AND UNCONSOLIDATED, SLIGHTLY SILTY, DRY, NO ODOR.
SAMPLE 17 RECOVERED ONLY 1 RING OF SAMPLE. THIS RING COLLECTED AS SAMPLE "A" FOR ATI AND ~~WAS COLLECTED FOR "B" FROM CONTINUOUS CORE.~~	17	SP / SM / SP	60 F/4"	NA			
		SP /		.2/2.0		80	@78' SAND: LIGHT BROWN TO LIGHT REDDISH BROWN, WHITE, MILKY, FROSTED, SOME CLEAR, QUARTZ AND FELDSPARS MIXED WITH DIORITE GRANITE COBBLES AND DECOMPOSED GRANITES, VERY FINE TO COBBLY, PRIMARILY COARSE, POOR TO FAIR SORT, UNCONSOLIDATED TO SLIGHTLY CONSOLIDATED WHEN SILTY, SOME SILT IN PARTS, DRY, NO ODOR.
	18	SP	60 F/6"	1/5.8			@83' SAND: LIGHT BROWN OVERALL COLOR, WHITE, FROSTED MILKY, SOME CLEAR QUARTZ + FELDSPARS MIXED WITH GRANITE + METAMORPHIC FRAGMENTS, OCCASIONAL IN-SITU DECOMPOSED DIORITE W/ ABUNDANT BIOTITE FLAKES, MEDIUM TO COBBLY, PRIMARILY VERY COARSE, DRY.
		SP				85	

HYDROGEOLOGIC LOG OF BOREHOLE AND MONITOR WELL CONSTRUCTION DETAILS

LB-4 (CONT'D)

PROJECT HR TEXTRON/PACOIMA 40841159-05 SURFACE ELEV. _____ DATUM _____

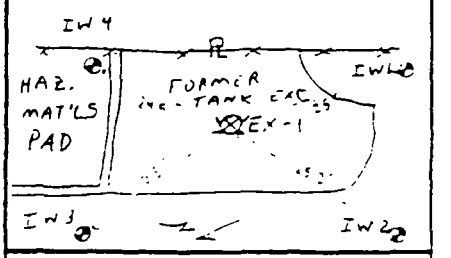
WELL DETAIL	Interval	Sample No.	Type (USCS)	Std. Pene. Rte. 6" Intervals	PID Reading (PPM)/cu/ft	Laboratory Tests	Graphic Log	Depth	DESCRIPTION OF MATERIALS (color, texture, density moisture, classification)
Privileged and Company Private Attorney Client Communication and Work Product			SP					85	@85' SAND: AS ABOVE CONTINUED. SCATTERED COBBLES, POOR SORT, SLIGHT SILTY MATRIX + SLIGHTLY CONSOLIDATED BUT EASILY FRIABLE WHEN SILTY, SCATTERED MUSCOVITE FLAKES, DRY, NO ODOR.
		19	SP	60 F/6"	.4 / 2				@88' SAND: LIGHT BROWN TO BROWN, WHITE, CLEAR, MILKY, SOME FROSTED, PINK: CLEAR QUARTZ AND FELDSPARS MIXED WITH FRAGMENTS OF DIORITE GRANITE WHICH HAVE DECOMPOSED AND LEFT ONLY BIOTITE AND FELDSPAR FRAGMENTS, FINE TO PEBBLY, SCATTERED COBBLES, MOSTLY COARSE, POOR TO FAIR SORT, SILTY, LOOSE TO VERY EASILY FRIABLE, DRY, NO ODOR.
			SP					90	
		20	SP/SM	40 / 50	.4 / 1.6				@93' SAND: AS ABOVE WITH SILTY MATRIX, DRY, NO ODOR.
			SP					95	@96' SAND: LIGHT GRAY TO GRAY OVERALL COLOR, WHITE, MILKY, FROSTED, SOME LIGHT GRAY, PINK AND CLEAR QUARTZ AND FELDSPARS, SOME IRON STAINING NOTED, FINE TO COBBLY, PRIMARILY COARSE, POOR SORT, SLIGHTLY CONSOLIDATED BUT EASILY FRIABLE, ABUNDANT IN-SITU DECOMPOSED GRANITE, DRY, NO ODOR.
		21	SP	50 F/6"	.2 / 2.1				
			SP					100	@100' SAND: LIGHT BROWN TO LIGHT GRAY, FROSTED, WHITE, MILKY, SOME PINK, CLEAR AND RUST STAINED, QUARTZ AND FELDSPARS, PRIMARILY DECOMPOSED COBBLES OF GRANODIORITE AND DIORITES LEAVING AREAS RICH IN BIOTITE AND MUSCOVITE FLAKES + FRAGMENTS OF FELDSPARS, POOR TO FAIR SORT, EASILY FRIABLE TO LOOSE, DRY, NO ODOR.
		22	SP	50 F/6"	.6 / 4.2				
SAMPLE 23A SAMPLE COLLECTED FROM CONTINUOUS SAMPLER AT 106' FOR ATT. NO "B" SAMPLE. NOTE: POWDERED AND DRY CEMENT INSIDE AUGER: AROUND CORE BARREL + ALSO 2"-4" ON TOP OF SAMPLE IN CORE BARRELL.		23A		SAMPLE 23A TAKEN FROM CORE BARRELL AFTER IT WAS STUCK. SAMPLE POSSIBLY DISTURBED BY PARTIAL SLOUGH.				105	@105' SAND/GRAVEL: LIGHT GRAY AND BROWN, FROSTED, WHITE, MILKY, SOME CLEAR, LIGHT GRAY AND PINK QUARTZ AND FELDSPARS, MEDIUM TO VERY ABUNDANT PEBBLES, OCCASIONAL COBBLE, MOSTLY PEBBLE: VERY COARSE, CEMENT (POWDERED AND DRY) AT TOP OF CORE, VERY POOR SORT AND FAIRLY WELL CONSOLIDATED, TIGHT, HARD FRIABLE, DRY, NO ODOR.
								110	REFUSAL: UNABLE TO CORE, SAMPLE OR DRILL PAST 105' DUE TO BOULDERS AND DENSELY COMPACTED MATERIAL.
									TOTAL DEPTH OF BORING: 108'
								115	

Environmental Resources Management

Drilling Log

Project: HR Textron Owner:
Location: Pacoima W.O. Number: 873.01
Well Number: EX-1 Total Depth: 52.5 Diameter: 10"
Surface Elevation: Water Level: Initial: 24-hrs.:
Screen: Dia. 4" Length: 40' PVC Slot Size: .03
Casing: Dia. 4" Length: 10' Type: PVC
Drilling Company: Spectrum Explor Drilling Method: HSA
Driller: Terry Sumb Log By: BGS Date Drilled: 4-22-97

Sketch Map



Notes: PVC slipcap on top of casing. Borehole covered by tarp.

Depth (Feet)	Graphic Log	Well Construction	Sample Number	Description/Soil Classification (Color, Texture, Structures)
0				BROWN SILTY FINE TO COARSE SAND FILL, sl. moist
2				PID (cuttings) = 0.0 ppm
4	SW Fill			
6				PID (cuttings) = 0.0 ppm
8				
10				
12	SW			Native soil encountered at approximately 12 feet; cobbly 12.5 to 15 feet; LIGHT BROWN FINE TO COARSE SAND, sl. moist, loose, grades into LIGHT GRAY SILTY FINE TO MED SAND, sl. moist PID=395 ppm
14	ML		5 6 8 12/18	LIGHT GRAY SANDY SILT, sl. moist, some clayey thin layers, primarily very fine to fine sand, mod. stiff PID = 458 ppm
	SP			
18	ML		4 6 8 13/18	
20			4 6 7 15/18	gray-green below 20 feet PID = 417 ppm
22				BROWN SILTY SANDY CLAY, sl. moist, stiff, fine to med. sand, some thin layers of clayey sandy silt. PID peak in breathing zone > 50 ppm PID = 162 ppm
24	CL		5 10 16 18/18	

Environmental Resources Management

Drilling Log

Project: HR Textron Owner:
Location: Pacoima W.O. Number: 823.01
Well Number: EX-1 Total Depth: Diameter:
Surface Elevation: Water Level: Initial: 24-hrs.:
Screen: Dia.: Length: Slot Size:
Casing: Dia.: Length: Type:
Drilling Company: Drilling Method:
Driller: Log By: BGS Date Drilled: 4-22-90

Sketch Map: See p. 1

Notes:

Depth (Feet)	Graphic Log	Well Construction	Sample Number	Description/Soil Classification (Color, Texture, Structures)
25	CL		9 15 13 5/18	PID = 353 ppm
27				
29	ML			GRAY CLAYEY SANDY SILT, sl. moist, mod dense, fine to med. sand, less clay more sand toward base
31	SP		4 7 10 18/18	LIGHT GRAY FINE TO MEDIUM SAND, tr. moisture, tr. silt PID = 432 ppm
33				
35			6 9 15 14/18	light brown, tr. coarse sand below 35 feet PID = 466 ppm
37	SW			LIGHT GRAY FINE TO COARSE SAND, dry, tr. silt, tr. to some gravel, very dense PID = 376 ppm
39			17 30 50 17/18	
41			33 52 55 18/18	with gravel below 41 feet PID = 1121 ppm
43	SW/GW		33/12 /19	LIGHT GRAY SAND AND GRAVEL, dry, very dense, fine to coarse sand, subang to subrounded. Gravel is angular to subrounded PID = 663 ppm
45			11/14 6/6	
47	CL			RED BROWN SILTY CLAY WITH SAND, sl. moist, tr. to some gravel, sand med. to coarse, hard PID = 95 ppm
49			7 8 20 15/18	

Environmental Resources Management

Drilling Log

Project: HR Textron Owner:

Location: Paramount W.O. Number: 823.01

Well Number: EX-1 Total Depth: Diameter:

Surface Elevation: Water Level: Initial: 24-hrs.:

Screen: Dia.: Length: Slot Size:

Casing: Dia.: Length: Type:

Drilling Company: Drilling Method:

Driller: Log By: BGS Date Drilled: 4-22-90

Sketch Map

Notes

Depth (Feet)	Graphic Log	Well Construction	Sample Number	Description/Soil Classification (Color, Texture, Structures)
50	CL		25 54 15/18	with some sand, 50 - 51 feet PID = 184 ppm
52			9 20 13/12	increasing sand content 51.5 - 52.5 feet PID = 13.3 ppm
				End of Boring 52.5 feet
54				

Environmental Resources Management

Drilling Log

Project: UK Textron — Owner:

Location: Pacoima — W.O. Number: 873.02

Well Number: IW-1 — Total Depth: — Diameter:

Surface Elevation: — Water Level: Initial: — 24-hrs.:

Screen: Dia.: — Length: — Slot Size:

Casing: Dia.: — Length: — Type:

Drilling Company: — Drilling Method:

Driller: — Log By: B.G.S. — Date Drilled: 4-21-90

Sketch Map

Notes

Depth (Feet)	Graphic Log	Well Construction	Sample Number	Description/Soil Classification (Color, Texture, Structures)
25	CL		6 15 22 / 18/18	less silt, tr. organic matter scattered in soil matrix below 25 feet PID = 0ppm
27				
29				
31			4 8 12 / 15/18	Clay becomes sandier below 30.5 feet LIGHT BROWN SILTY FINE TO COARSE SAND, dry, dense, tr. very coarse sand PID = 0ppm
33	SW			
35			6 13 20 / 18/18	red brown sandy silt and silty fine sand 35-35.4 feet brown very fine to med sand with trace moisture below 35.4 feet PID = 0ppm
37				
39				
41			12 23 47 / 18/18	brown silty v. fine to coarse sand with tr. igneous cobbles below 40.5 feet PID = 1.0ppm Lost nylon measuring tape attached to a steel handle at 41 feet during well construction with gravel below 43 feet
43				
45			41 52 / 18/18	PID = 1.0ppm
47			43 55 / 18/18	RED BROWN SANDY SILTY CLAY, sl. moist, hard, primarily med. to coarse sand PID = 1.0ppm
49	CL			
50	ML		14 26 50 / 18/18	RED BROWN SANDY CLAYEY SILT, sl. moist, fine to coarse sand End of Boring 50.5 Feet

Environmental Resources Management

Drilling Log

Project HR-Textron Pacoima Owner HR Textron

Location Pacoima W.O. Number 873.02

Well Number IW2 Total Depth 49' Diameter 10"

Surface Elevation _____ Water Level: Initial _____ 24-hrs. _____

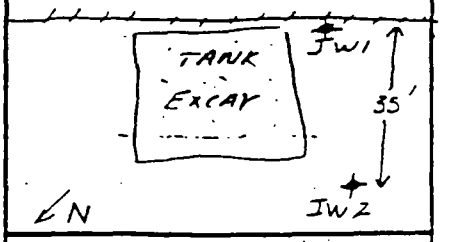
Screen: Dia. _____ Length _____ Slot Size _____

Casing: Dia. _____ Length _____ Type _____

Drilling Company Spectrum Drilling Method HSA

Driller Grea Log By RLL Date Drilled 4/1/90

Sketch Map



Notes

Depth (Feet)	Graphic Log	Well Construction	Blow Count / Sample Number	Description/Soil Classification (Color, Texture, Structures)
0940 HRS 0				~2 in. of Asphalt at surface
2	SW			Gravelly sand, lt. grey-tan, granule, m-v.c. grained, moist, angular, 70% quartz, 15% dk. lithics, 5% mafic minerals, no odors
4	w/ gravel			
6		PVC	5 15 20 IW2 5.5-6	As above, sample IW2/5.5-6 taken at 0912 HRS. Rec. 14/18" Physical test sample not feasible at this depth. PID = Ø ppm headspace at 6'.
8				Sand w/ some granule gravel, as above, some cobbles, granitic.
10			6 12 19 IW2 10.5-11	
12	ML			Sandy Clayey SILT, dk. brn-reddish brn, sl moist, m-c. grained sand, med. dense, no odors/staining Sample IW2/10.5-11 taken at 0925 HRS. Sample IW2/11-11.5 taken at 0925 HRS for physical tests. PID = Ø ppm headspace at 11'.
14				
16			6 7 13 IW2 15.5-16	Sandy SILT w/some clay, brn-reddish brn, sl. moist, f.gr. sand, med. stiff, no odors/stains. PID = Ø ppm headspace Sample IW2/15.5-16 taken at 0940 HRS. Sample IW2/16-16.5 taken at 0940 HRS for physical tests.
18				
20	SM		11 11 13 IW2 20.5-21	Clayey Silty SAND, v f-f grained, grading to sandy silty Clay at 21.8', brn, moist, med stiff, some black organic material, no odors/stains. PID = 1.Ø ppm headspace. Sample IW2/20.5-21 taken at 1022 HRS. Sample IW2/21-21.5 taken at 1022 HRS for physical tests.
22	CL			
24	w/ gravel			
	SW		12 17 IW2	Some gravel (granules) in cuttings at ~23'.

Environmental Resources Management

Drilling Log

Project: HR Tex-Pacoima Owner: HR Textron

Location: Pacoima W.O. Number:

Well Number: IW2 Total Depth: 49' Diameter: 10"

Surface Elevation: Water Level: Initial: 24-hrs.:

Screen: Dia.: Length: Slot Size:

Casing: Dia.: Length: Type:

Drilling Company: Spectrum Drilling Method: HSA

Driller: Greg Log By: RLL Date Drilled: 4/21/90

Sketch Map: See P1

Notes:

Depth (Feet)	Graphic Log	Well Construction	Sample Number	Description/Soil Classification (Color, Texture, Structures)
	ML			Sample IW2/25.5-26 taken at 1022 HRS Sample 26-26.5 taken at 1022 HRS for physical tests. Very slow drilling.
28				
30	SM		6 14 15 IW2 30.5-31	Silty SAND, lt. brn-buff, f-m. grained, quartzose, med. dense, sl. moist, no odors/stains. Rec. 16/18" PID = 0.3 ppm headspace at 31'. Samples IW2/30.5 and IW2/30.5-31 (physical) taken at 1045 HRS.
32				
34				Slow drilling.
36	SM		25 29 27 IW2 35.5-36	SAND w/ some gravel (granitic, weathered), angular to subrounded, granule-pebble, f-v.c. grained, brn-grey brn, med. dense, no odors/stains. Sand contains abundant angular plagioclase from weathered granitic gravel. Samples IW2/35.5-36 and IW2/36-36.5 (physical tests) taken at 1116 HRS. PID = NR ppm headspace at 36'.
1200 HRS 38	w/ gravel			
40			37 40 45 IW2 40.5-41	
Down for Rig Repair 1245~1410 HRS 42				As above, poorly sorted, f-v.c. grained, abundant quartz, feldspar (granitic sand). Sample IW2/40.5-41 and IW2/41-41.5 (physical) taken at 1244 HRS. Rec. 16/18" PID = 1.6 ppm headspace at 41'.
44				
1500 HRS 46			34 71 84 IW2 45.5-46	
	ML			As above to 46.2'. Sandy SILT, v.f-f. grained, brn-reddish brn, dry, med. dense, no odors/stains. 580A = 1.0 ppm headspace at 45.5'. Rec. 16/18". Samples IW2/45.5-46 and IW2/46-46.5 (physical tests) taken at 1525 HRS.
48	ML/CL		12 26 48 IW2 47.5-48	Grading to Sandy Clayey SILT at 47.0', stiff, dry, white mottles (altered feldspar), some rare gravel, no odors/stains. Samples IW2/47.5-48 and IW2/48-48.5 taken at 1511 HRS. Rec. 17/18"
50				
52				

Environmental Resources Management

Drilling Log

Project: HR Textron Pacoima — Owner: HR Textron

Location: Pacoima — W.O. Number: 973.02

Well Number: IW-3 — Total Depth: — Diameter: 10"

Surface Elevation: — Water Level: Initial: — 24-hrs.:

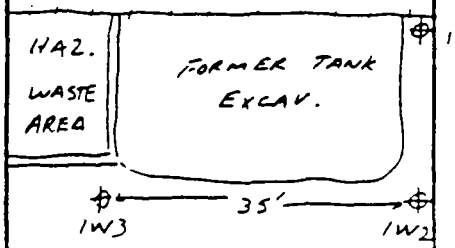
Screen: Dia. 4" — Length: 40' — Slot Size:

Casing: Dia.: — Length: — Type:

Drilling Company: Spectrum Expl. — Drilling Method: HSA

Driller: Gino Taylor — Log By: RLL — Date Drilled: 4/28/90

Sketch Map



Notes: Set Bentonite Seal at bottom of borehole. Casing starts at 49' 11"

Depth (Feet)	Graphic Log	Well Construction	Sample Number	Description/Soil Classification (Color, Texture, Structures)
0815 HRS 0				~3in asphalt at surface.
2	SW w/ gravel			Upper 1-2 feet dk-grey, odorous. Gravelly SAND, granule-pebble, f-v.c. grained, sl. moist, brn-grey, no odors/stains.
4				
6			3 14 20 IW3 5.5-6	As above, loose, weak odor, ~15% lithics, mafics, 85% quartz, plagioclase, k-spar. Pebbles granitic, volcanic(?) Sample IW3/5.5-6 taken at 0830 HRS. Rec. 12/18". PID = 0 ppm headspace.
8				
10	SM/SC		4 9 12 IW3 10.1-10.6	Clayey, silty, SAND w/ trace granule gravel, brn-greenish brn, loose-med. dense, m-v.c. grained, sl moist, weak odor(?). Sample IW3/10.1-10.6 taken at 0840 HRS. Rec. 16/18". PID reading not taken. Sample IW3/10.6-11.1. Abundant Chlorite.
12				
14				Dioritic and gneissic pebbles in cuttings
16			4 7 8 IW3 15.1-15.6	As above without gravel, sl moist, no odors/stains. Samples IW3/13.6-14.1 and IW3/15.1-15.6 taken at 0855 HRS. Rec. 11/18" (Physical Tests) PID = 0 ppm headspace.
18	CL			Increasing clay content in cuttings
20			5 13 22 IW3 20.5-21	Silty CLAY w/ trace v.f. sand and rare gravel, dry-sl. moist, med. stiff-stiff, brn, no odors/stains. Samples IW3/20.5-21 and IW3/21.0-21.5 (physical tests) taken at 920 HRS. Rec. 16/18". PID = 0 ppm headspace.
22				
24	SC/ML		5 15 IW3	Clayey Silty SAND, v.f-f. grained, dry-sl. moist, brn, med. stiff, no odors

Environmental Resources Management

Drilling Log

Project HR Textron - Pacoima Owner HR Textron

Location Pacoima W.O. Number 873.02

Well Number IW3 Total Depth _____ Diameter 10"

Surface Elevation _____ Water Level: Initial _____ 24-hrs. _____

Screen: Dia. _____ Length _____ Slot Size _____

Casing: Dia. _____ Length _____ Type _____

Drilling Company Spectrum Drilling Method HSA

Driller Green Log By RLL Date Drilled 4/28/90

Sketch Map

See P.1

Notes

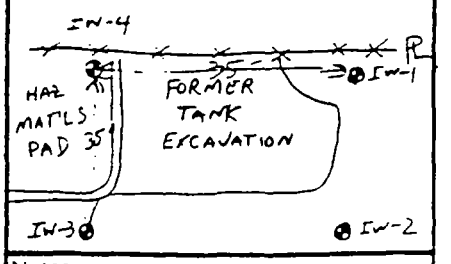
Depth (Feet)	Graphic Log	Well Construction	Sample Number	Description/Soil Classification (Color, Texture, Structures)
28	CL/ML			Increasing clay content, mafic granule - pebbles (diorite?)
30	SW		7 11 10 IW3 30.5-31	SAND w/ rare granule gravel, f-v.c grained, sl. moist, buff - lt. brn, loose - med. dense, no odors/stains Samples IW3/30.5-31 and IW3/31-31.5 (physical tests) taken at 1005 HRS Rec. 16/18". PID = 0 ppm headspace. Sand is quartzitic. Thin silty layer at ~33-34'.
32				
34	ML			
36	SW		12 18 21 IW3 35.7-35.9	As above, m-v.c. grained. Samples IW3/35.7-35.9 and IW3/35.9-36.4 taken at 1035 HRS Rec. 15/18". PID = 0 ppm headspace.
38				Increasing gravel
40	GW		43 50/3" IW3 40.0-40.5	Sandy Gravel, pebble - cobble, m.-v.c. grained, dry - sl. moist, buff, quartzitic, loose - med. dense, no odors. Gravel clast > 2in dia in sample tube. Rec. 9/9" Sample IW3/40.0-40.5 taken at 1105 HRS. PID = 0 ppm headspace. Gravel is pegmatite clast, 40% quartz, 60% feldspar.
42				
44				
46	ML		32 60 27 IW3 45.5-46	GRAVEL, as above to 46.2' SILT w/ some clay, dk. brn w/ some black organic mottling, dry, med. stiff, no odors Rec. 16/18". Samples IW3/45.5-46 and IW3/46-46.5' (physical tests) taken at 1140 HRS. PID = 0 ppm headspace
48	ML/SM		10 34 42 IW3 48.0-48.5	Becoming sandy at ~47', with abundant organic matter. Sample IW3/48-48.5 taken at 1250 HRS. Rec. 15/18" PID = 0 ppm headspace
50	SW		17 29 36 IW3	Gravelly SAND at 49.7', m-v.c. grained, angular, quartzitic, no odors/stains. Rec. 16/18". PID = Not taken. Samples IW3/49.5-50 and
52				

Environmental Resources Management

Drilling Log

Project: 42 Textron Owner:
Location: Pacoima W.O. Number: 873.02
Well Number: IW-4 Total Depth: 42.75' Diameter: 10"
Surface Elevation: Water Level: Initial: 24-hrs.:
Screen: Dia. 4" Length: 20' PVC Slot Size: 0.03
Casing: Dia. 4" Length: 9' Type: PVC
Drilling Company: Spectrum Explor Drilling Method: HSA
Driller: Greg Lawler Log By: BGS Date Drilled: 4/28-29/90

Sketch Map



Notes

Depth (Feet)	Graphic Log	Well Construction	Sample Number	Description/Soil Classification (Color, Texture, Structures)
0				7-inches concrete at surface
2	SW			BROWN-GRAY GRAVELLY SAND, sl. moist, fine to very coarse sand, pebbles to boulders, mod. dense
4				Note: Cave-in to 3.5 feet during well construction
6			4 5 7 13/18	gray and no gravel below 5 feet PID = 0ppm
8	GW			GRAY SANDY GRAVEL, sl. moist, dense, pebble to boulder, tr. brick and glass, sand layer 8.5 to 9 feet
10	SW		11 22 18 15/18	GRAY GRAVELLY SAND, sl. moist, fine to v. coarse sand, pebble size gravel PID = 0ppm gravel layer 12.5 to 13 feet
12				
14	GW			GRAY SANDY GRAVEL, sl. moist, very dense, pebble to boulder, coarse sand PID = 0ppm
16			9 10 6/7 5/16	
18	SW			GRAY GRAVELLY SAND, sl. moist, fine to v. coarse sand, pebble size gravel, mild rig chatter 18 to 18.5 feet
20	ML		4 7 9 15/18	RED BROWN SANDY CLAYEY SILT, moist, med dense, v. fine to tr. med sand PID = 0ppm
22				
24				

Environmental Resources Management

Drilling Log

Project HR Textron Owner

Location Davisville W.O. Number 873.02

Well Number IW-4 Total Depth Diameter

Surface Elevation Water Level: Initial 24-hrs.

Screen: Dia. Length Slot Size

Casing: Dia. Length Type

Drilling Company Drilling Method

Driller Log By BGS Date Drilled 4/28-29/90

Sketch Map

Notes

Depth (Feet)	Graphic Log	Well Construction	Sample Number	Description/Soil Classification (Color, Texture, Structures)
25	ML		3 15 15 / 1/18	with sand 25 to 26 feet PID = 0 ppm
27	CL			RED BROWN SILTY CLAY WITH SAND, moist, stiff, very fine to med sand
29	SM			LIGHT BROWN SILTY FINE SAND, sl. moist, mod. dense, tr. med. sand, tr. clay 30 to 30.5 feet
31			5 10 8 / 2/18	PID = 0 ppm
33	SD			LIGHT GRAY FINE TO MEDIUM SAND, dry, dense, tr. very coarse sand
35			2 18 27 / 2/18	PID = 0 ppm
37				
39	SW			LIGHT BROWN V. FINE TO V. COARSE SAND WITH GRAVEL, sl. moist, very dense, rounded to subang pebbles, big chatter, no sample for PID
41			48 50/0 / 5/10	
43				boulder at 42.5 feet. End of Boring 42.75 feet
45				

ENVIRONMENTAL RESOURCES MANAGEMENT
ERM-WEST

FIELD WELL COMPLETION FORM

Job Name: HR Textron Owner: 5-11-90
Location: Pacoima Job #: 873.02

Logged By: BGS Reviewed By: _____ Project Manager: BGS

Well Number: IW-4A Driller: Don Arrington
Spectrum Exploration

Equipment:
____ Inch Hollow Stem Auger
8 Inch ~~Rotary/Blank~~ Air Rotary Hours Drilled: _____

Gallons of Water Used During Drilling: _____ Gallons: _____

Method of Decontamination Prior to Drilling: _____

DEVELOPMENT

Method of Development: _____

Development Began Date: _____ Time: _____

Yield: GPM	Time: From: To	Date:
Yield: GPM	Time: From: To	Date:
Yield: GPM	Time: From: To	Date:
Yield: GPM	Time: From: To	Date:

Total Water Removed During Development: _____ Gallons

Description of Turbidity at End of Development: ☐ Clear ☐ Mod. Turbid ☐ Slightly cloudy ☐ Very Muddy

Odor or Water: _____

Water Discharged To: ☐ Ground Surface ☐ Storm Sewers ☐ Drums ☐ Tank Truck ☐ Storage Tank ☐ Other

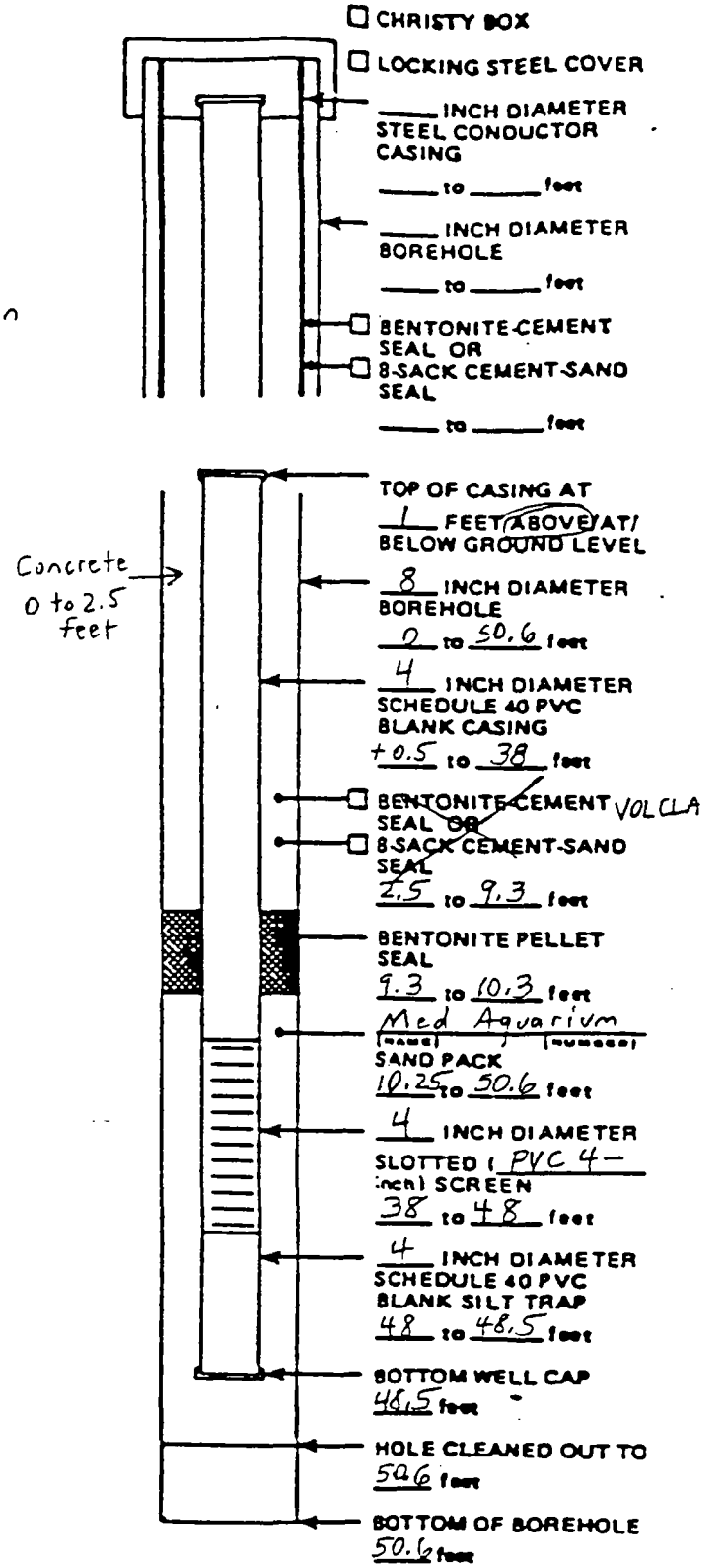
Depth to Water After Development: _____ Feet

MATERIALS USED

9 Sacks of Medium Aquarium Sand
2 Sacks of _____ Cement
____ Gallons of Grout Used
____ Sacks of Powdered Bentonite
50 Pounds of Bentonite Pellets
38.5 Feet of 4 Inch PVC Blank Casing
10 Feet of .03 Inch PVC Slotted Screen
____ Feet of ____ Inch Steel Conductor Casing
____ Yard³ Cement-Sand (Redi-Mix) Ordered
____ Yard³ Cement-Sand (Redi-Mix) Used

Concrete Pumper Used? X No ____ Yes

Name _____



NOT TO SCALE

ADDITIONAL INFORMATION: _____
NOTE: Cuttings from bottom of boring were SILTY SANDY CLAY

2166-04747

PACOIMA FACILITY

AS BUILT BLUE LINE DRAWINGS FOR BUILDINGS 4, 5, AND 6

RESPONSE TO QUESTION #6 PAGE 8

PARTIALLY SCANNED
OVERSIZE ITEM(S)

See document # 2211864
for partially scanned image(s).
(1of3) to (3of3)

For complete hardcopy version of the oversize document
contact the Region IX Superfund Records Center

EXHIBIT F

MANUFACTURING PROCESSES

RESPONSE TO QUESTION #11 PAGE 10

818/896-2411 (offices) 818/896-6151 (FAX)

TELECOPIER TRANSMITTAL

TO: Woody Amee ✓
COMPANY/AREA: VALENCIA 267-1
TELECOPIER NO:
NO. OF PAGES: 10 (Including cover)

FROM: BOB LANG
DATE SENT: TIME:

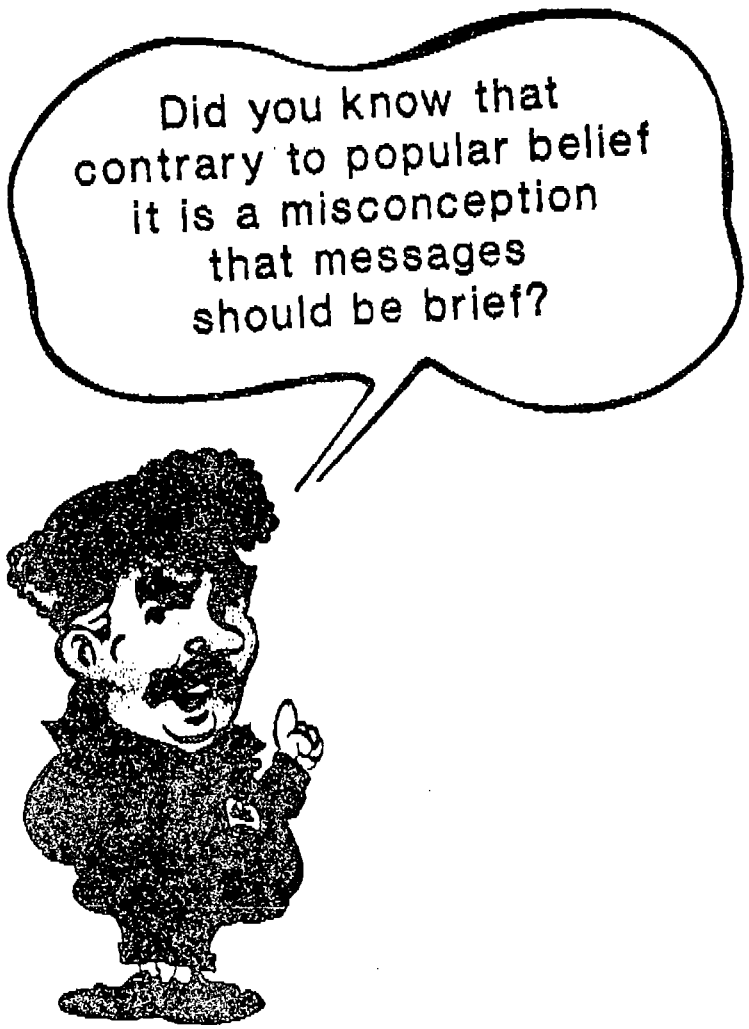
RECEIVED
JUN 06 1991
HR TEXTRON

6/6

Woody –

Attached is a Complete listing of all haz. mat'ls in Fuel + Pneumatics Art / EDL Annotated with Process use.

Bob Lang



CHEMICAL INVENTORY LIST
5 June 1991

PRODUCT	Manufacturer	Dept.	Use Category
Acetone	Holchem	505	1
Adhesive, (Plastic) #4475	3M	505	2
Adhesive, 2216	3M	505	2
Adhesive, 9394	Hysol	505	2
Adhesive, Armstrong A12 A&B	Armstrong	505	2
Adhesive, PR-1750	PRC	505	2
Air-Tec 1-33 Type I	Helium Leak Testing	505	8
Air-Tech Type I	Helium Leak Testing	505	8
AL-Lumitap Cutting FLuid	Al-Lu Prod.	505	12
Alcohol, Isopropyl	Holchem	505	1
Alodine, #1201	Amchem Products	505	3
Alodine, #600	Amchem Products	505	3
Arklone E (see Freon)	Rhochem	505	1
B-Cleaner (blue cleaner, workhorse)	Chem Chemical Corp.	505	9
Bondaid Etchant S16943	W.S. Shamban and Company	505	11
Cee-Bee A-202 (Methylene Chloride/Phenol)	McGean Rocho	505	1
Cleaner, APC	Marking Methods	505	13
Coating, Acrylic #1301	Borden	505	3
Coating, Fuel Resistant #776	3M	505	3
Cylok R	Lord	505	2
Drilube Type III	Drilube	505	4
Dykem Layout Fluids	DyKem	505	10
Electrolite, #A10	Marking Methods	505	13
Electrolytel, #MSC1	Marking Methods	505	13
Epoxy, #3135 & 7111	Crest	505	2
Epoxy, EA9309	Dextro Hysol	505	2
Epoxy, EA934 A&B	Dextro Hysol	505	2
Epoxy, PRC 1436 GB½	Product Research	505	2
Epoxy, PRC 1422	Product Research	505	2
Flux, #197	Kester	505	11
Flux, Superior #23	Superior	505	11
Freon, TF	Baron-Blakeslu	505	1
G-1000	Dynatech Frontier Corp.	505	6
Gamma Cutting Fluid	Mobil	505	12
Grease, #111	Dow Corning	505	4
Grease, #33	Dow Corning	505	4
Grease, #55	Dow Corning	505	5
Grease, #730	Dow Corning	505	4
Grease, #F5-3452	Dow Corning	505	4
Grease 632/S	Bray Oil Co.	505	4
Grease, Lid Plate #250	Armite Lab	505	4,5

350119

CHEMICAL INVENTORY LIST
5 June 1991

PRODUCT	Manufacturer	Dept.	Use Category
Grease, RTV, #734	Dow Corning	505	4
Hydraulic Oil, 5606E	Technolube	505	4
Ink, 73X Marking	Independent Ink	505	13
Ink, Marking #15	Independent Ink	505	13
Ink, Spray AA-208 Type III	Ideal	505	13
Krytox 240 AC	Krytox	505	4
Loctite, AA	Loctite	505	5
Loctite, E	Loctite	505	5
Loctite, EV	Loctite	505	5
Loctite, Primer N, #76457	Loctite	505	5
Loctite, Primer T, #74756	Loctite	505	5
Loctite, RC/620	Loctite	505	5
Loctite, Sealant A #88-31	Loctite	505	5
Loctite, Sealant AV #8731	Loctite	505	5
Loctite, Sealant AVV, #86-41	Loctite	505	5
Loctite, Sealant #290	Loctite	505	5
LPS Tap-All	Holt Lloyd Corp.	5B5	12
Lubricant, #P-80 (Rubber)	International Prod.	505	4
Lubricant, Extreme Pressure #3	C.M.D.	505	4
Lubricant, M1	Starrett	505	4
MEK	Holchem	505	1
MIL-C-83286 (White Paint)	Deft Inc.	505	7
Nitrogen, Gas	General Welding	505	6
Nitrogen, Liquid	General Welding	505	6
NSS Concentrate Cleaner (pink)	....	505	9
Oaktite	Oaktite Prod. Inc.	505	1
Parker-O-Lube	Parker Seal	505	4
Petroleum Jelly	Vaseline	505	4
Primer Coat, MIL-23377D	Koppers	505	7
RTV 1123 Sealant	GE Company	505	5
S1010	Raychem	505	2
Scotch Weld, #1838 A&B	3M	505	2
Solvent, T-7 - Reconditioner	Independent Ink	505	1
Spray #AC-29-76 Dolph Spray	Dolph	505	3
Stoddard Solvent, #PD680 Type II	Rho Chem	505	6
Stycast 2651-40 Black	Emerson & Cuming	505	2
WD-40	WD Co.	505	4
7569A22	Locktite (O-Ring Maker)	505	2
Leak-Tec Formula 16-OX	American Gas & Chemical	505	8
5761 Neutralizer	Kester	505	11

USE CATEGORIES (In an Assembly & Test Environment)

1) **CLEANING SOLVENTS/AGENTS:** Any solvents or agents used to remove foreign material which may contaminate or interfere with the function of a chemical or mechanical process.

2) **ADHESIVES:** Materials used to prevent the movement of components intended to be joined (e.g. glues, epoxies, bonding agents, etc).

3) **SURFACE COATS:** Agents or materials used as a barrier to prevent the introduction of unwanted chemical reactions or processes such as rust or corrosion. (Includes alodine, chem film and over coats; excludes paints).

4) **LUBRICANTS:** Any material used to prevent the binding of slide-fit parts or as an assembly aid in installing O-rings and teflon seals to their interfacing components.

5) **SEALING AGENTS:** Any media used to provide or enhance the sealing action of interfacing components, especially a rubber-to-metal seal (e.g. DC-55, Loctite, Form-A-Gasket, etc.).

6) **TEST MEDIA FLUIDS:** Fluids or agents passed thru a sub assembly or a final assembly unit in order to determine conformance to test criteria.

7) **PAINTS:** Any surface applied material classified as a paint or primer not included in Category 3. This includes touch-up paints and primers.

8) **LEAK TESTING:** Fluids or agents that determine unwanted sources of test media leakage during the test process (e.g. Air-Tech, Leak-Tec, etc.).

9) **GENERAL HOUSEHOLD CLEANERS:** Cleaners used for cleaning table tops, tools, test equipment, gauges and miscellaneous and non-production hardware.

10) **MACHINE PREP FLUIDS:** Fluids, agents or products used to clean, prepare, coat, mark or chemically process surfaces prior to machining (e.g. Dykem, Oaktite, etc.).

11) **SOLDERING AGENTS:** Products used to clean, prepare, etch, or treat surfaces that will be subjected to soldering. This includes any material or products needed to perform the basic soldering process (e.g. Flux, Solder Wire [any composition], etc.).

12) **MACHINING FLUIDS/COOLANTS:** Fluids or materials used during a machining or material removal process intended to cool, lubricate, or enhance the cutting or material removal process (e.g. Al-Lumitap, LPS Tap All, cutting fluids, etc.).

13) **IDENTIFICATION PRODUCTS:** Materials or products used to apply markings to surfaces. Includes inks, ink sprays, electro-etching products and metal-stamping products.

EDL CHEMICAL INVENTORY LIST
4 June 1991

PRODUCT	Manufacturer	Dept.	Use Category
111 Valve Lube and Sealant	Dow Corning	527	4,5
730 RTV Fluorosilicone	Dow Corning	527	5
3452 Chemical Resistant Valve Lube	Dow Corning	527	4
Acetone	Chase Chemical Co.	527	1
Air Tec Type I	American Gas & Chemical Co.	527	8
Alcohol, Anhydrous	Nycote Laboratories, Inc.	527	1
Alodine, Brush On	AmChem Products Inc.	527	3
Aluminum Metal Powder	Alfa Products	527	14
Alumitap	Alnorex Corp.	527	12
Arizona Silica	Powder Technology Inc.	527	14
AvGas 100 LL	Chevron	527	6
Brite Boy Metal Polish	Olde Tyme Products Inc.	527	1
Celvacene Vacuum Grease	CVC Products Inc.	527	4
CerroBend	Cerro Metal Products	527	15
Chloroform	(Several Suppliers)	527	1
ChristoLube	Lubrication Technology Inc.	527	4
Cleaner CL51	CalComp	527	1
Cleaner CL58	CalComp	527	1
Clover Silicone Carbide Grease Mix	Fel Pro	527	12
Corn Starch	CPC International	527	4
DriLube III	DriLube Co.	527	4
Devcon Plastic Steel - Putty (A) Resin	ITW Devcon Corp.	527	15
Devcon Putty Hardener D200	ITW Devcon Corp.	527	5
Devcon Mold Release Paste	ITW Devcon Corp.	527	4
Devcon Aluminum Putty (F) Resin	ITW Devcon Corp.	527	15
Devcon Bronze Putty (BR) Resin	ITW Devcon Corp.	527	15
Diethanolamine	Seragen Diagnostics	527	16
Dual Stage Vacuum Pump Oil	Not Listed	527	4
Duoseal Vacuum Pump Oil	Duotech Scientific	527	4
Dust, Road	AC Spark Plug Div. of GM	527	14
Dykem Layout Fluids	Dykem Co.	527	7
EA 9309 Part A	Dexter Corp.	527	2
Extreme Pressure Lube	Chicago Mfg & Dist. Co.	527	4
Ferrous Oxide	Powder Technology Inc.	527	14
Flux Off	Chemtronics	527	1
Freon TF	(Several Suppliers)	527	1
G1000	Dynatech Frontier Corp.	527	16
Hoppes #9 Nitro Powder - Solvent	Penguin Ind. Inc.	527	1
Hydraulic Oil Miller	Quality Chemical	527	4
Hydrochloric Acid	Mallincrodt Inc.	527	1
Hydrochloric Acid	J.T. Baker Chemical Co.	527	16

350120

EDL CHEMICAL INVENTORY LIST
4 June 1991

PRODUCT	Manufacturer	Dept.	Use Category
Hysol EA 934 Part A	The Dexter Corp.	527	2
Hysol EA 934 Part B	The Dexter Corp.	527	2
Iodine	(Several Suppliers)	527	16
Iron Powder	Alfa Products	527	14
Iron Oxide	Pfizer Pigments Inc.	527	14
Isopropyl Alcohol	Rho Chem Corp.	527	1
JP4	Newhall Refining Co.	527	6
JP4	Arco Petroleum Prod. Co.	527	6
JP5	Kern Oil & Refining Co.	527	6
JP10	Koch Chemical Co.	527	6
Karl Fischer Reagent	Dow Instruments	527	16
Karl Fischer Reagent in Methanol	Dow Instruments	527	16
Karl Fischer Reagent Vessel Solution Part A	Seragen Diagnostics	527	16
Karl Fischer Reagent Vessel Solution Part B	Seragen Diagnostics	527	16
Krytox	E. I. DuPont	527	4
Lead	E. M. Science	527	15
LeakTec 16 OX	American Gas & Chemical Co.	572	8
Liquid Paper	Liquid Paper Corp.	527	7
Liquid Paper (for copies)	Liquid Paper Corp.	527	7
Liquid Paper Thinner	Liquid Paper Corp.	527	1
Locktite Quickset 404	Loctite Corp.	527	5
Loctite Gasket Eliminator - 510 Sealent	Loctite Corp.	527	5
Loctite Gasket Eliminator - 515 Sealant	Loctite Corp	527	5
Locquic Primer N	Loctite Corp.	527	1
Locquic Primer T	Loctite Corp.	527	1
Loctite 290	Loctite Corp.	527	1
Loctite Retaining Compound 609	Loctite Corp.	527	1
LPS 2	LPS Laboratories Inc.	527	4
M-1 All Purpose Lubricant	L. S. Starret Co.	527	4
Manometer Fluid	Mariam Inst.	527	16
MEK	Chase Chemical Co.	527	1
Methanol	(Several Suppliers)	527	1
Methoxyethanol	(Several Suppliers)	527	1
MIL-C-83286	Deft Inc.	527	7
MIL-P-23377D	Koppers inc.	527	7
Methylene Chloride	Dow Chemical USA	527	1
Mineral Spirits	Van Waters & Rogers Inc.	527	6
Mineral Spirits Type II	(Several Suppliers)	527	6
Mobilux 2	Mobil Oil Corp.	527	4
Mobile Vacuum Pump Oil	Mobil Oil Corp.	517	4
Mold Release 225	RAM Chemicals	527	4

EDL CHEMICAL INVENTORY LIST
4 June 1991

PRODUCT	Manufacturer	Dept.	Use Category
Molykote 55M Grease	Dow Corning	527	4
Napthenic Acids	Eastman Kodak Co.	527	14
Nitrogen Gas	Big Three Industries	527	6
Nitrogen Liquid	Big Three Industries	527	6
Permagum Slugs/Cords	Virginia KMP Corp.	527	5
Plaster of Paris	Dowman Products	527	15
PR1560MK Part C Dry MEK	Products Research & Chemical	527	5
PR1560M Part B	Products Research & Chemical	527	5
Prist AV Fuel Additive, Hiflo and LoFlow Prist	PPG Ind.	527	16
Propane	Proflame, Inc.	527	17
Red Gauge Oil	Dwyer Instruments Inc.	527	16
Red Oil MIL-H-5606	Castrol Inc.	527	4
Relay Contact Cleaner	SPC Technology	527	1
Rheomet Paste Solder	Litton/Kester Solder	527	11
Rustoleum	Rustoleum Corp.	527	7
Scotchgrip 4475	3M	527	2
Scotchweld Structural Adhesive 2216 Part A	3M	527	2
Scotchweld Structural Adhesive 2216 Part B	3M	527	2
Silica Sand	(Several Suppliers)	527	14
Silicone Lubricant	Zip Chem Products	527	4
Sili Gel Base	Teledyne Dental Products	527	15
Sili Gel Catalyst	Teledyne Getz	527	15
Sodium Chloride	J.T. Baker Chemical Co.	527	14
Sodium Hydroxide	J.T. Baker Chemical Co.	527	16
Solder	Litton/Kester Solder	527	11
Special Sealing Grease	Photovolt	527	4
Spray Trim Adhesive	3M	527	2
Sulfuric Acid	J.T. Baker Chemical Co.	527	16
Sulfur Dioxide	Seragen	527	16
Super Lube	Synco Chemical Corp.	527	4
Super Weatherstrip Adhesive	3M	527	2
Tapmatic #2	Tapmatic Corp.	527	12
TFE Lube	3M	527	4
TT-S-735 Type 1	Brayco Products	527	6
TT-S-735 Type III	Brayco Products	527	6
Union Klearkut B	Unocal	527	12
WD40	WD40	527	4
Weld on 4 for for Acrylic	Industrial Polychemical Service	527	2
Wilhold Gluebird White Glue	D.A.P. Inc.	527	2
Window Cleaner	Chem Fab Chemical Corp.	527	9
Zinc Chloride Soldering Flux	General Electric	527	11

EDL CHEMICAL INVENTORY LIST
4 June 1991

PRODUCT	Manufacturer	Dept.	Use Category
Zip Aerosol D5676 Cleaner	Mitann Inc.	527	1

USE CATEGORIES

Engineering Development Lab Environment

1) **CLEANING SOLVENTS/AGENTS:** Any solvents or agents used to remove foreign material which may contaminate or interfere with the function of a chemical or mechanical process.

2) **ADHESIVES:** Materials used to prevent the movement of components intended to be joined (e.g. glues, epoxies, bonding agents, etc).

3) **SURFACE COATS:** Agents or materials used as a barrier to prevent the introduction of unwanted chemical reactions or processes such as rust or corrosion. (Includes alodine, chem film and over coats; excludes paints).

4) **LUBRICANTS:** Any material used to prevent the binding of slide-fit parts or as an assembly aid in installing O-rings and teflon seals to their interfacing components.

5) **SEALING AGENTS:** Any media used to provide or enhance the sealing action of interfacing components, especially a rubber-to-metal seal (e.g. DC-55, Loctite, Form-A-Gasket, etc.).

6) **TEST MEDIA/FLUIDS:** Fluids or agents passed thru a sub assembly or a final assembly unit in order to determine conformance to test criteria. Also, fluids or gases used for inerting or cooling, including GN_2 and LN_2.

7) **PAINTS:** Any surface applied material classified as a paint or primer not included in Category 3. This includes touch-up paints and primers.

8) **LEAK TESTING:** Fluids or agents that determine unwanted sources of test media leakage during the test process (e.g. Air-Tech, Leak-Tec, etc.).

9) **GENERAL HOUSEHOLD CLEANERS:** Cleaners used for cleaning table tops, tools, test equipment, gauges and miscellaneous and non-production hardware.

10) **MACHINE PREP FLUIDS:** Fluids, agents or products used to clean, prepare, coat, mark or chemically process surfaces prior to machining (e.g. Dykem, Oaktite, etc.).

11) **SOLDERING AGENTS:** Products used to clean, prepare, etch, or treat surfaces that will be subjected to soldering. This includes any material or products needed to perform the basic soldering process (e.g. Flux, Solder Wire [any composition], etc.).

12) **MACHINING FLUIDS/COOLANTS:** Fluids or materials used during a machining or material removal process intended to cool, lubricate, or enhance the cutting or material removal process (e.g. Al-Lumitap, LPS Tap All, cutting fluids, etc.).

13) **IDENTIFICATION PRODUCTS:** Materials or products used to apply markings to surfaces. Includes inks, ink sprays, electro-etching products and metal-stamping products.

14) **CONTAMINANTS:** Used in conducting contaminated fuel tests in accordance with Military Specifications.

15) **MOLDING MATERIALS:** Low melting temperature metals used in casting development, hardware and fixtures. Also, includes plaster of paris, aluminum putty, etc.

16) **DIAGNOSTIC CHEMICALS:** Used to determine or alter characteristics of test fluids. This would include all chemicals associated with Karl Fischer reagent as well as strong acids and bases used to balance the pH of water.

17) **HEATING FUEL:** Used for heating low melting temperature metals, i.e. propane.

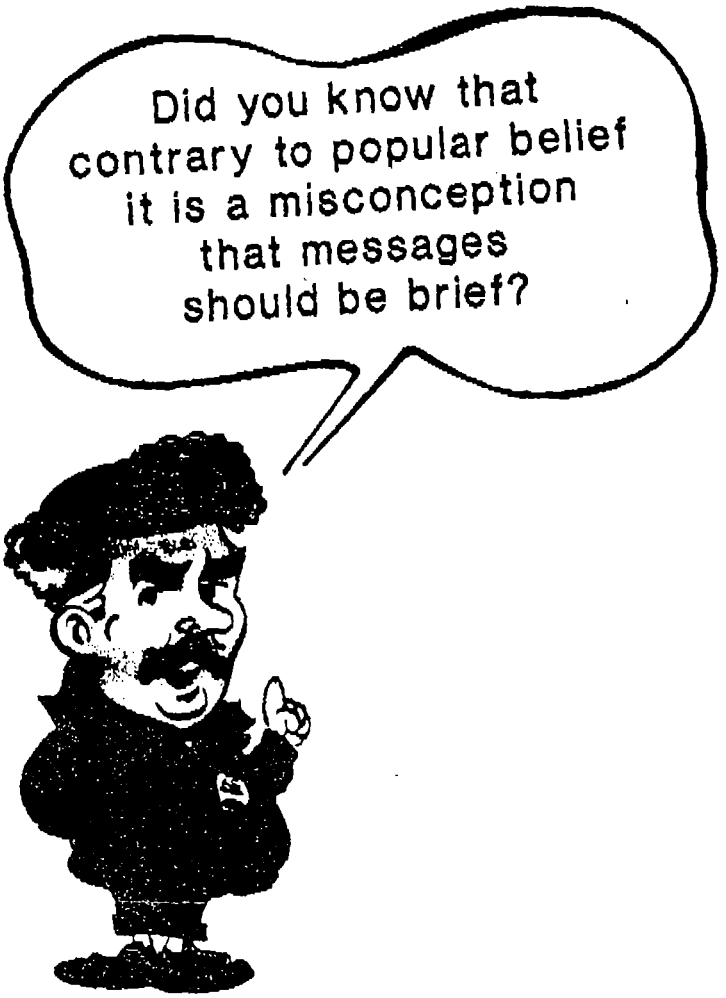
818/896-2411 (offices) 818/896-6151 (FAX)

TELECOPIER TRANSMITTAL

TO: Woody Ameel
COMPANY/AREA: X5322 267-1
TELECOPIER NO:
NO. OF PAGES: 3 (including cover)

FROM: Larry Hanes
DATE SENT: 6/7 TIME:

RECEIVED
JUN 07 1991
HR TEXTRON
ml



JUN 07 '91 11:21 HR TEXTRON PAC

350/21

MATERIALS/CHEMICALS USED IN THE PACOIMA MACHINING CENTER MANUFACTURING ENVIRONMENT

MATERIAL/CHEMICAL	HOW USED	DESCRIPTION	DISPOSITION
1. CUTTING OIL SOLUABLE OIL DIELECTRIC FLUID AL-LUMITAP LPS TAP ALL MOLY "D"	MACHINING OPERATIONS	COOLANT/FLUIDS USED TO COOL, LUBRICATE OR ENHANCE THE CUTTING OR MATERIAL REMOVAL PROCESS	PERIODIC DISPOSAL REQUIRED
2. GRINDING OIL SOLUABLE OIL HONING OIL SUPERFINISHING OIL	GRINDING AND FINISHING OPERATIONS	COOLANT/FLUIDS USED TO COOL, LUBRICATE OR ENHANCE THE CUTTING OR MATERIAL REMOVAL PROCESS	PERIODIC DISPOSAL REQUIRED
STRESS RELIEVE OIL	STRESS RELIEVE	IMMERSE IN HOT OIL TO STRESS RELIEVE AFTER GRIND	PERIODIC DISPOSAL REQUIRED
ACETONE TRIC. 1.1.1 STODDARD SOLVENT ISOPROPYL ALCOHOL	CLEANING	CHEMICALS USED TO CLEAN PARTS	EVAPORATES P.D.R. P.D.R. EVAPORATES

MATERIALS/CHEMICALS USED IN THE PACOIMA MACHINING CENTER MANUFACTURING ENVIRONMENT

MATERIAL/CHEMICAL	HOW USED	DESCRIPTION	DISPOSITION
5. MOBILARMA 245	CORROSION PROTECTION	DIP PARTS IN OIL	P.D.R
W-D 40	CORROSION PROTECTION	SPRAYED ON PARTS	EVAPORATES
PASAGEL	REMOVES CORROSION	BRUSHED ON PARTS	CONSUMED
6. NITRIC ACID	PASSIVATION	REMOVES IRON CONTAMINATES	PERIODIC DISPOSAL
SODIUM DICHROMATE		PROVIDES PASSIVE LAYER	REQUIRED
7. DYE	NON-DESTRUCTIVE TESTING	SOLUTION USED TO HI-LITE CRACKS	PERIODIC DISPOSAL REQUIRED
8. INK	IDENTIFICATION	MARKING OF PARTS	CONSUMED
ELECTROLYTE		FOR IDENTIFICATION	EVAPORATES
NEUTRALIZER		(ELECTRO-CHEMICAL ETCHING)	EVAPORATES
DYKEM	MACHINING	PARTS LAYOUT AND	CONSUMED
M.E.K.	PREPARATION	DYKEM REMOVAL	EVAPORATES
1. FLUX	WELDING PROCESS	ENHANCE BONDING OF WELD ROD TO MATERIALS	CONSUMED
1. HYDRAULIC FLUID	MACHINE MAINT.	MACHINE TOOL ACTUATION	PERIODIC DISPOSAL REQUIRED

JUN 07 '91 11:22 HR TEXTRON PAC

EXHIBIT G

SARA REPORTS

RESPONSE TO QUESTION #11 PAGE 10

350122

Form Approved OMB No.: 2070-0093
Approval Expires: 01/91

(Important: Type or print; read instructions before completing form.)

EPA U.S. Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

Public reporting burden for this collection of information is estimated to vary from 30 to 34 hours per response, with an average of 32 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch (PM-223), US EPA, 401 M St., SW, Washington, D.C. 20460 Attn: TRI Burden and to the Office of Information and Regulatory Affairs, Office of Management and Budget Paperwork Reduction Project (2070-0093), Washington, D.C. 20503.

EPA FORM **R**

PART I. FACILITY IDENTIFICATION INFORMATION

(This space for your optional use.)
1,1,1 Trichloroethane
Pacoima

1. 1.1 Are you claiming the chemical identity on page 3 trade secret? [ ] Yes (Answer question 1.2; Attach substantiation forms.) [X] No (Do not answer 1.2; Go to question 1.3.)
1.2 If "Yes" in 1.1, is this copy: N/A [ ] Sanitized [ ] Unsanitized
1.3 Reporting Year 1989

2. CERTIFICATION (Read and sign after completing all sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official
David T. Stewart, Sr. Vice President, Controls Operation

Signature: D. T. Stewart
Date signed: 6-29-90

3. FACILITY IDENTIFICATION

3.1 Facility or Establishment Name
91331HRTXT10445
HR TEXTRON INC.
10445 GLENOAKS BLVD.
PACOIMA CA 91331

TRI Facility Identification Number

WHERE TO SEND COMPLETED FORMS:

1. EPCRA REPORTING CENTER
P.O. BOX 23779
WASHINGTON, DC 20026-3779
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE (See instructions in Appendix G)

3.2 This report contains information for (Check only one): a. [X] An entire facility b. [ ] Part of a facility.

3.3 Technical Contact: Henry W. Crossman — Telephone Number (include area code): 805/253-5603

3.4 Public Contact: John V. DiMatteo — Telephone Number (include area code): 805/253-5516

3.5 SIC Code (4 digit): a. 3728 b. N/A c. N/A d. N/A e. N/A f. N/A

3.6

	Latitude			Longitude		
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
	034	15	55	118	22	55

3.7 Dun & Bradstreet Number(s): a. 00-851-3152 b. N/A

3.8 EPA Identification Number(s) (RCRA I.D. No.): a. CAD 04 116 2330 b. N/A

3.9 NPDES Permit Number(s): a. b. N/A

3.10 Receiving Streams or Water Bodies (enter one name per box): a. N/A b. N/A c. N/A d. N/A e. N/A f. N/A

3.11 Underground Injection Well Code (UIC) Identification Number(s): a. N/A b. N/A

4. PARENT COMPANY INFORMATION

4.1 Name of Parent Company: Textron, Inc.
4.2 Parent Company's Dun & Bradstreet Number: 00-933-8979

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R
PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

(This space for your optional use.)
1,1,1 Trichloroethane
Pacoima

1. PUBLICLY OWNED TREATMENT WORKS (POTWs)

1.1 POTW name		1.2 POTW name	
Hyperion Waste Treatment Plant		N/A	
Street Address: 7660 West Imperial Highway		Street Address:	
City: Playa Del Rey	County: Los Angeles	City:	County:
State: California	Zip: 90291	State:	Zip:

2. OTHER OFF-SITE LOCATIONS (DO NOT REPORT LOCATIONS TO WHICH WASTES ARE SENT ONLY FOR RECYCLING OR REUSE).

2.1 Off-site location name		2.2 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.3 Off-site location name		2.4 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.5 Off-site location name		2.6 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

[ ] Check if additional pages of Part II are attached. How many? _____

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R

PART III. CHEMICAL-SPECIFIC INFORMATION

(This space for your optional use.)
1,1,1 Trichloroethane
Pacoima

1. CHEMICAL IDENTITY (Do not complete this section if you complete Section 2.)

1.1	(Reserved)
1.2	CAS Number (Enter only one number exactly as it appears on the 313 list. Enter NA if reporting a chemical category.) 71-55-6
1.3	Chemical or Chemical Category Name (Enter only one name exactly as it appears on the 313 list.) 1,1,1 Trichloroethane
1.4	Generic Chemical Name (Complete only if Part I, Section 1.1 is checked "Yes." Generic name must be structurally descriptive.)

2. MIXTURE COMPONENT IDENTITY (Do not complete this section if you complete Section 1.)

Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation).)

3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.)

3.1	Manufacture the chemical:	a. [ ] Produce b. [ ] Import	If produce or import: c. [ ] For on-site use/processing e. [ ] As a byproduct	d. [ ] For sale/distribution f. [ ] As an impurity	
3.2	Process the chemical:	a. [ ] As a reactant d. [ ] Repackaging only	b. [ ] As a formulation component	c. [ ] As an article component	
3.3	Otherwise use the chemical:	a. [ ] As a chemical processing aid	b. [ ] As a manufacturing aid	c. [X] Ancillary or other use	

4. MAXIMUM AMOUNT OF THE CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

[0|4] (enter code)

5. RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE

You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)		A. Total Release (pounds/year) A.1 Reporting Ranges 0	1-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1 Fugitive or non-point air emissions	5.1a	[ ]	[ ]	[ ]	22,766	5.1b 0	
5.2 Stack or point air emissions	5.2a	[ ]	[ ]	[ ]	7,589	5.2b 0	
5.3 Discharges to receiving streams or water bodies 5.3.1 [ ]	5.3.1a	[ ]	[ ]	[ ]	N/A	5.3.1b [ ]	5.3.1c N/A %
(Enter letter code for stream from Part I Section 3.10 in the box provided.) 5.3.2 [ ]	5.3.2a	[ ]	[ ]	[ ]	N/A	5.3.2b [ ]	5.3.2c N/A %
N/A 5.3.3 [ ]	5.3.3a	[ ]	[ ]	[ ]	N/A	5.3.3b [ ]	5.3.3c N/A %
5.4 Underground injection on-site	5.4a	[ ]	[ ]	[ ]	N/A	5.4b [ ]	
5.5 Releases to land on-site 5.5.1 Landfill N/A	5.5.1a	[ ]	[ ]	[ ]	N/A	5.5.1b [ ]	
5.5.2 Land treatment/application farming	5.5.2a	[ ]	[ ]	[ ]	N/A	5.5.2b [ ]	
5.5.3 Surface impoundment	5.5.3a	[ ]	[ ]	[ ]	N/A	5.5.3b [ ]	
5.5.4 Other disposal	5.5.4a	[ ]	[ ]	[ ]	N/A	5.5.4b [ ]	

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

EPA

EPA FORM R

PART III. CHEMICAL-SPECIFIC INFORMATION (continued)

(This space for your optional use.)
1,1,1 Trichloroethane
Pacoima

6. TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS

You may report transfers of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)	A. Total Transfers (pounds/year) A.1 Reporting Ranges 0	1-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)
6.1.1 Discharge to POTW (enter location number from Part II, Section 1.) 1 1	[X]	[ ]	[ ]		6.1.1b M	
6.2.1 Other off-site location (enter location number from Part II, Section 2.) 2	[ ]	[ ]	[ ]	N/A	6.2.1b	6.2.1c M
6.2.2 Other off-site location (enter location number from Part II, Section 2.) 2	[ ]	[ ]	[ ]	N/A	6.2.2b	6.2.2c M
6.2.3 Other off-site location (enter location number from Part II, Section 2.) 2	[ ]	[ ]	[ ]	N/A	6.2.3b	6.2.3c M

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

7. WASTE TREATMENT METHODS AND EFFICIENCY

[✓] Not Applicable (NA) - Check if no on-site treatment is applied to any wastestream containing the chemical or chemical category.

A. General Wastestream (enter code)	B. Treatment Method (enter code)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes	No
N/A 7.1a	7.1b	7.1c	7.1d [ ]	7.1e %	7.1f [ ]	[ ]
7.2a	7.2b	7.2c	7.2d [ ]	7.2e %	7.2f [ ]	[ ]
7.3a	7.3b	7.3c	7.3d [ ]	7.3e %	7.3f [ ]	[ ]
7.4a	7.4b	7.4c	7.4d [ ]	7.4e %	7.4f [ ]	[ ]
7.5a	7.5b	7.5c	7.5d [ ]	7.5e %	7.5f [ ]	[ ]
7.6a	7.6b	7.6c	7.6d [ ]	7.6e %	7.6f [ ]	[ ]
7.7a	7.7b	7.7c	7.7d [ ]	7.7e %	7.7f [ ]	[ ]
7.8a	7.8b	7.8c	7.8d [ ]	7.8e %	7.8f [ ]	[ ]
7.9a	7.9b	7.9c	7.9d [ ]	7.9e %	7.9f [ ]	[ ]
7.10a	7.10b	7.10c	7.10d [ ]	7.10e %	7.10f [ ]	[ ]

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

8. POLLUTION PREVENTION: OPTIONAL INFORMATION ON WASTE MINIMIZATION

(Indicate actions taken to reduce the amount of the chemical being released from the facility. See the instructions for coded items and an explanation of what information to include.)

A. Type of Modification (enter code)	B. Quantity of the Chemical in Wastes Prior to Treatment or Disposal: Current reporting year (pounds/year)	Prior year (pounds/year)	Or percent change (Check (+) or (-))	C. Index	D. Reason for Action (enter code)
M 2	6660	9435	[ ] + [✓] - 29.4 %	0.8	R 2

EPA

EPA FORM R

PART IV. SUPPLEMENTAL INFORMATION

Use this section if you need additional space for answers to questions in Part III. Number the lines used sequentially from lines in prior sections (e.g., 5.3.4, 6.1.2, 7.11)

(This space for your optional use.)

1,1,1 Trichloroethane
Pacoima

ADDITIONAL INFORMATION ON RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE (Part III, Section 5.3)

You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)		A. Total Release (pounds/year) A.1 Reporting Ranges 0 / 1–499 / 500–999	A.2 Enter Estimate	B. Basis of Estimate (enter code in box provided)	C. % From Stormwater
5.3 Discharges to receiving streams or water bodies	5.3.___	5.3.___a [ ] [ ] [ ]	N/A	N/A 5.3.___b	N/A 5.3.___c %
(Enter letter code for stream from Part I Section 3.10 in the box provided.)	5.3.___	5.3.___a [ ] [ ] [ ]	N/A	5.3.___b	5.3.___c %
N/A	5.3.___	5.3.___a [ ] [ ] [ ]	N/A	5.3.___b	5.3.___c %

ADDITIONAL INFORMATION ON TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS (Part III, Section 6)

You may report transfers of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)	A. Total Transfers (pounds/year) A.1 Reporting Ranges 0 / 1–499 / 500–999	A.2 Enter Estimate	B. Basis of Estimate (enter code in box provided)	C. Type of Treatment/ Disposal (enter code in box provided)
6.1.___ Discharge to POTW (enter location number from Part II, Section 1.) 1 N/A	[ ] [ ] [ ]	N/A	6.1.___b	
6.2.___ Other off-site location (enter location number from Part II, Section 2.) 2	[ ] [ ] [ ]	N/A	6.2.___b	N/A 6.2.___c M
6.2.___ Other off-site location (enter location number from Part II, Section 2.) 2	[ ] [ ] [ ]	N/A	6.2.___b	6.2.___c M
6.2.___ Other off-site location (enter location number from Part II, Section 2.) 2	[ ] [ ] [ ]	N/A	6.2.___b	6.2.___c M

ADDITIONAL INFORMATION ON WASTE TREATMENT METHODS AND EFFICIENCY (Part III, Section 7)

A. General Wastestream (enter code in box provided)	B. Treatment Method (enter code in box provided)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes / No
7. N/A a	7. N/A b	7. N/A c	7. N/A d [ ]	7. N/A e %	7. N/A f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]

Approval Expires: 01 91

(Important: Type or print; read instructions before completing form.)

EPA U.S. Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

Public reporting burden for this collection of information is estimated to vary from 30 to 34 hours per response, with an average of 32 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch (PM-223), US EPA, 401 M St., SW, Washington, D.C. 20460 Attn: TRI Burden and to the Office of Information and Regulatory Affairs, Office of Management and Budget Paperwork Reduction Project (2070-0093), Washington, D.C. 20503.

EPA FORM **R**

PART I. FACILITY IDENTIFICATION INFORMATION

(This space for your optional use.) Freon Pacoima

1. 1.1 Are you claiming the chemical identity on page 3 trade secret? [ ] Yes (Answer question 1.2; Attach substantiation forms.) [X] No (Do not answer 1.2; Go to question 1.3.)

1.2 If "Yes" in 1.1, is this copy: N/A [ ] Sanitized [ ] Unsanitized

1.3 Reporting Year 1989

2. CERTIFICATION (Read and sign after completing all sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official: David T. Stewart, Sr. Vice President, Controls Operation

Signature: D.T. Stewart

Date signed: 6-29-90

3. FACILITY IDENTIFICATION

3.1 Facility or Establishment Name

91331HRTXT10445
HR TEXTRON INC.
10445 GLENOAKS BLVD.
PACOIMA CA 91331

TRI Facility Identification Number

WHERE TO SEND COMPLETED FORMS:

1. EPCRA REPORTING CENTER
P.O. BOX 23779
WASHINGTON, DC 20026-3779
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE (See instructions in Appendix G)

3.2 This report contains information for (Check only one): a. [X] An entire facility b. [ ] Part of a facility.

3.3 Technical Contact: Henry W. Crossman — Telephone Number (include area code): 805/253-5603

3.4 Public Contact: John V. DiMatteo — Telephone Number (include area code): 805/253-5516

3.5 SIC Code (4 digit): a. 3728 b. N/A c. N/A d. N/A e. N/A f. N/A

3.6

Latitude			Longitude		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
034	15	55	118	22	55

3.7 Dun & Bradstreet Number(s): a. 00-851-3152 b. N/A

3.8 EPA Identification Number(s) (RCRA I.D. No.): a. CAD 04 116 2330 b. N/A

3.9 NPDES Permit Number(s): a. b. N/A

3.10 Receiving Streams or Water Bodies (enter one name per box): a. N/A b. N/A c. N/A d. N/A e. N/A f. N/A

3.11 Underground Injection Well Code (UIC) Identification Number(s): a. N/A b. N/A

4. PARENT COMPANY INFORMATION

4.1 Name of Parent Company: Textron, Inc.

4.2 Parent Company's Dun & Bradstreet Number: 00-933-8979

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R
PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

(This space for your optional use.)
Freon
Pacoima

1. PUBLICLY OWNED TREATMENT WORKS (POTWs)

1.1 POTW name		1.2 POTW name	
Hyperion Waste Treatment Plant		N/A	
Street Address: 7660 West Imperial Highway		Street Address:	
City: Playa Del Rey	County: Los Angeles	City:	County:
State: California	Zip: 90291	State:	Zip:

2. OTHER OFF-SITE LOCATIONS (DO NOT REPORT LOCATIONS TO WHICH WASTES ARE SENT ONLY FOR RECYCLING OR REUSE).

2.1 Off-site location name		2.2 Off-site location name	
Rho-Chem Corp.		N/A	
EPA Identification Number (RCRA ID. No.): CAD008364432		EPA Identification Number (RCRA ID. No.):	
Street Address: 425 Isis Ave.		Street Address:	
City: Inglewood	County: Los Angeles	City:	County:
State: California	Zip: 90301	State:	Zip:
Is location under control of reporting facility or parent company? [ ] Yes [XX] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.3 Off-site location name		2.4 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.):		EPA Identification Number (RCRA ID. No.):	
Street Address:		Street Address:	
City:	County:	City:	County:
State:	Zip:	State:	Zip:
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.5 Off-site location name		2.6 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.):		EPA Identification Number (RCRA ID. No.):	
Street Address:		Street Address:	
City:	County:	City:	County:
State:	Zip:	State:	Zip:
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

[ ] Check if additional pages of Part II are attached. How many? _____

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R

PART III. CHEMICAL-SPECIFIC INFORMATION

(This space for your optional use.)

Freon
Pacoima

1. CHEMICAL IDENTITY (Do not complete this section if you complete Section 2.)

1.1	(Reserved)
1.2	CAS Number (Enter only one number exactly as it appears on the 313 list. Enter NA if reporting a chemical category.) 76-13-1
1.3	Chemical or Chemical Category Name (Enter only one name exactly as it appears on the 313 list.) Freon 113 (Ethane , 1,1,2 - Trichloro, 1,2,2 - Trifluoro)
1.4	Generic Chemical Name (Complete only if Part I, Section 1.1 is checked "Yes." Generic name must be structurally descriptive.)

2. MIXTURE COMPONENT IDENTITY (Do not complete this section if you complete Section 1.)

Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation).)

N/A

3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.)

3.1	Manufacture the chemical:	a. [ ] Produce b. [ ] Import	If produce or import: c. [ ] For on-site use/processing e. [ ] As a byproduct	d. [ ] For sale/distribution f. [ ] As an impurity	
3.2	Process the chemical:	a. [ ] As a reactant d. [ ] Repackaging only	b. [ ] As a formulation component	c. [ ] As an article component	
3.3	Otherwise use the chemical:	a. [ ] As a chemical processing aid	b. [ ] As a manufacturing aid	c. [X] Ancillary or other use	

4. MAXIMUM AMOUNT OF THE CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

[0|4] (enter code)

5. RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE

You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)		A. Total Release (pounds/year) A.1 Reporting Ranges 0 / 1-499 / 500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1 Fugitive or non-point air emissions	5.1a	[ ] [ ] [ ]	46,501	5.1b C	
5.2 Stack or point air emissions	5.2a	[ ] [ ] [ ]	N/A	5.2b N/A	
5.3 Discharges to receiving streams or water bodies 5.3.1 [ ]	5.3.1a	[ ] [ ] [ ]	N/A	5.3.1b [ ]	5.3.1c N/A %
(Enter letter code for stream from Part I Section 3.10 in the box provided.) 5.3.2 [ ]	5.3.2a	[ ] [ ] [ ]	N/A	5.3.2b [ ]	5.3.2c N/A %
N/A 5.3.3 [ ]	5.3.3a	[ ] [ ] [ ]	N/A	5.3.3b [ ]	5.3.3c N/A %
5.4 Underground injection on-site	5.4a	[ ] [ ] [ ]	N/A	5.4b [ ]	
5.5 Releases to land on-site					
5.5.1 Landfill N/A	5.5.1a	[ ] [ ] [ ]	N/A	5.5.1b [ ]	
5.5.2 Land treatment/application farming	5.5.2a	[ ] [ ] [ ]	N/A	5.5.2b [ ]	
5.5.3 Surface impoundment	5.5.3a	[ ] [ ] [ ]	N/A	5.5.3b [ ]	
5.5.4 Other disposal	5.5.4a	[ ] [ ] [ ]	N/A	5.5.4b [ ]	

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

EPA

EPA FORM R

PART III. CHEMICAL-SPECIFIC INFORMATION (continued)

(This space for your optional use.)
Freon
Pacoima

6. TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS

You may report transfers of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)	A. Total Transfers (pounds/year) A.1 Reporting Ranges 0	1-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)
6.1.1 Discharge to POTW (enter location number from Part II, Section 1.) 1 1	[X]	[ ]	[ ]		6.1.1b O	
6.2.1 Other off-site location (enter location number from Part II, Section 2.) 2 1	[ ]	[X]	[ ]		6.2.1b M	6.2.1c M 6 9
6.2.2 Other off-site location (enter location number from Part II, Section 2.) 2	[ ]	[ ]	[ ]	N/A	6.2.2b	6.2.2c M
6.2.3 Other off-site location (enter location number from Part II, Section 2.) 2	[ ]	[ ]	[ ]	N/A	6.2.3b	6.2.3c M

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

7. WASTE TREATMENT METHODS AND EFFICIENCY

[✓] Not Applicable (NA) - Check if no on-site treatment is applied to any wastestream containing the chemical or chemical category.

A. General Wastestream (enter code)	B. Treatment Method (enter code)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes	No
7.1a N/A	7.1b	7.1c	7.1d [ ]	7.1e %	7.1f [ ]	[ ]
7.2a	7.2b	7.2c	7.2d [ ]	7.2e %	7.2f [ ]	[ ]
7.3a	7.3b	7.3c	7.3d [ ]	7.3e %	7.3f [ ]	[ ]
7.4a	7.4b	7.4c	7.4d [ ]	7.4e %	7.4f [ ]	[ ]
7.5a	7.5b	7.5c	7.5d [ ]	7.5e %	7.5f [ ]	[ ]
7.6a	7.6b	7.6c	7.6d [ ]	7.6e %	7.6f [ ]	[ ]
7.7a	7.7b	7.7c	7.7d [ ]	7.7e %	7.7f [ ]	[ ]
7.8a	7.8b	7.8c	7.8d [ ]	7.8e %	7.8f [ ]	[ ]
7.9a	7.9b	7.9c	7.9d [ ]	7.9e %	7.9f [ ]	[ ]
7.10a	7.10b	7.10c	7.10d [ ]	7.10e %	7.10f [ ]	[ ]

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

8. POLLUTION PREVENTION: OPTIONAL INFORMATION ON WASTE MINIMIZATION

(Indicate actions taken to reduce the amount of the chemical being released from the facility. See the instructions for coded items and an explanation of what information to include.)

A. Type of Modification (enter code)	B. Quantity of the Chemical in Wastes Prior to Treatment or Disposal: Current reporting year (pounds/year)	Prior year (pounds/year)	Or percent change (Check (+) or (-))	C. Index	D. Reason for Action (enter code)
M 2	15,780	21,040	[ ] + [X] - 25 %	0 . 8	R 2

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R

PART IV. SUPPLEMENTAL INFORMATION

Use this section if you need additional space for answers to questions in Part III. Number the lines used sequentially from lines in prior sections (e.g., 5.3.4, 6.1.2, 7.11)

(This space for your optional use.)

Freon
Pacoima

ADDITIONAL INFORMATION ON RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE (Part III, Section 5.3)

You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)		A. Total Release (pounds/year) A.1 Reporting Ranges 0 / 1–499 / 500–999	A.2 Enter Estimate	B. Basis of Estimate (enter code in box provided)	C. % From Stormwater
5.3 Discharges to receiving streams or water bodies	5.3.___ ☐	5.3.___a [ ] [ ] [ ]	N/A	5.3.N/A___b ☐	5.3.N/A___c %
(Enter letter code for stream from Part I Section 3.10 in the box provided.)	5.3.___ ☐	5.3.___a [ ] [ ] [ ]	N/A	5.3.___b ☐	5.3.___c %
N/A	5.3.___ ☐	5.3.___a [ ] [ ] [ ]	N/A	5.3.___b ☐	5.3.___c %

ADDITIONAL INFORMATION ON TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS (Part III, Section 6)

You may report transfers of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)	A. Total Transfers (pounds/year) A.1 Reporting Ranges 0 / 1–499 / 500–999	A.2 Enter Estimate	B. Basis of Estimate (enter code in box provided)	C. Type of Treatment/ Disposal (enter code in box provided)
6.1.___ Discharge to POTW (enter location number from Part II, Section 1.) 1 N/A	[ ] [ ] [ ]	N/A	6.1.___b ☐	
6.2.___ Other off-site location (enter location number from Part II, Section 2.) 2 ☐	[ ] [ ] [ ]	N/A	6.2.___b ☐	N/A 6.2.___c M
6.2.___ Other off-site location (enter location number from Part II, Section 2.) 2 ☐	[ ] [ ] [ ]	N/A	6.2.___b ☐	6.2.___c M
6.2.___ Other off-site location (enter location number from Part II, Section 2.) 2 ☐	[ ] [ ] [ ]	N/A	6.2.___b ☐	6.2.___c M

ADDITIONAL INFORMATION ON WASTE TREATMENT METHODS AND EFFICIENCY (Part III, Section 7)

A. General Wastestream (enter code in box provided)	B. Treatment Method (enter code in box provided)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes / No
7.N/A___a ☐	7.N/A___b	7.N/A___c ☐	7.N/A___d [ ]	7.N/A___e %	7.N/A___f [ ] [ ]
7.___a ☐	7.___b	7.___c ☐	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a ☐	7.___b	7.___c ☐	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a ☐	7.___b	7.___c ☐	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a ☐	7.___b	7.___c ☐	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a ☐	7.___b	7.___c ☐	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a ☐	7.___b	7.___c ☐	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a ☐	7.___b	7.___c ☐	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a ☐	7.___b	7.___c ☐	7.___d [ ]	7.___e %	7.___f [ ] [ ]

Form Approved OMB No.: [illegible]

Approval Expires: 01/91

(Important: Type or print; read instructions before completing form.)

EPA U.S. Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

EPA FORM **R**

PART I. FACILITY IDENTIFICATION INFORMATION

(This space for your optional use.)

Public reporting burden for this collection of information is estimated to vary from 30 to 34 hours per response, with an average of 32 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. *Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch (PM-223), US EPA, 401 M St., SW, Washington, D.C. 20460 Attn: TRI Burden and to the Office of Information and Regulatory Affairs, Office of Management and Budget Paperwork Reduction Project (2070-0093), Washington, D.C. 20503.*

1.	1.1 Are you claiming the chemical identity on page 3 trade secret?	1.2 If "Yes" in 1.1, is this copy:	1.3 Reporting Year
	[ ] Yes (Answer question 1.2; Attach substantiation forms.) [X] No (Do not answer 1.2; Go to question 1.3.)	N/A [ ] Sanitized [ ] Unsanitized	19 88

2. CERTIFICATION (Read and sign after completing all sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official: John W. Hedges, Vice President, Contracts and Production Programs

Signature: [signature] Date signed: 6/26/89

3. FACILITY IDENTIFICATION

3.1	Facility or Establishment Name: HR Textron Inc.	
	Street Address: 10445 Glenoaks Blvd.	
	City: Pacoima	County: Los Angeles
	State: California	Zip Code: 91331
3.2	This report contains information for (Check one): a. [ ] An entire facility b. [X] Part of a facility.	
3.3	Technical Contact: Robert E. Hanson	Telephone Number (Include area code): (805) 253-5338
3.4	Public Contact: Delores M. Pilling	Telephone Number (Include area code): (805) 253-5256

WHERE TO SEND COMPLETED FORMS:

1. U.S. ENVIRONMENTAL PROTECTION AGENCY
   P.O. BOX 70266
   WASHINGTON, DC 20024-0266
   ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See Instructions Appendix E)

3.5	a.	b.	c.	d.	e.	f.
SIC Code (4 digit)	3728	N/A	N/A	N/A	N/A	N/A

3.6	Latitude			Longitude		
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
	034	15	55	118	22	55

3.7	Dun & Bradstreet Number(s) a. 00-851-3152	b. N/A
3.8	EPA Identification Number(s) (RCRA I.D. No.) a. CAD 04 116 2330	b. N/A
3.9	NPDES Permit Number(s) a. N/A	b. N/A
3.10	Receiving Streams or Water Bodies (enter one name per box) a.	b. N/A
	c. N/A	d.
	e.	f.
3.11	Underground Injection Well Code (UIC) Identification Number(s) a. N/A	b.

4. PARENT COMPANY INFORMATION

4.1	Name of Parent Company: Textron, Inc.
4.2	Parent Company's Dun & Bradstreet Number: 00-851-3152

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R
PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

(This space for your optional use.)

1. PUBLICLY OWNED TREATMENT WORKS (POTWs)

1.1 POTW name		1.2 POTW name	
Hyperion Waste Treatment Plant		N/A	
Street Address: 7660 West Imperial Highway		Street Address:	
City: Playa Del Rey	County: Los Angeles	City:	County:
State: California	Zip: 90291	State:	Zip:

2. OTHER OFF-SITE LOCATIONS (DO NOT REPORT LOCATIONS TO WHICH WASTES ARE SENT ONLY FOR RECYCLING OR REUSE).

2.1 Off-site location name		2.2 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.3 Off-site location name		2.4 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.5 Off-site location name		2.6 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

[ ] Check if additional pages of Part II are attached. How many? _____

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R
PART III. CHEMICAL-SPECIFIC INFORMATION

(This space for your optional use.)

1. CHEMICAL IDENTITY (Do not complete this section if you complete Section 2.)

1.1	[Reserved]
1.2	CAS Number (Enter the number exactly as it appears on the 313 list. Enter NA if reporting a chemical category.) 71-55-6
1.3	Chemical or Chemical Category Name (Enter the name exactly as it appears on the 313 list.) 1,1,1 Trichloroethane (Methyl Chloroform)
1.4	Generic Chemical Name (Complete only if Part I, Section 1.1 is checked "Yes." Generic name must be structurally descriptive.) N/A

2. MIXTURE COMPONENT IDENTITY (Do not complete this section if you complete Section 1.)

Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation).) N/A

3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.)

3.1	Manufacture the chemical:	a. [ ] Produce	b. [ ] Import	If produce or import: c. [ ] For on-site use/processing	d. [ ] For sale/distribution; e. [ ] As a byproduct; f. [ ] As an impurity
3.2	Process the chemical:	a. [ ] As a reactant	b. [ ] As a formulation component	c. [ ] As an article component	d. [ ] Repackaging only
3.3	Otherwise use the chemical:	a. [ ] As a chemical processing aid	b. [ ] As a manufacturing aid	c. [x] Ancillary or other use	

4. MAXIMUM AMOUNT OF THE CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

[0][3] (enter code)

5. RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE

You may report releases of less than 1,000 lbs. by checking ranges under A.1. (Do not use both A.1 and A.2)

		A. Total Release (lbs/yr) A.1 Reporting Ranges 0	1-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1 Fugitive or non-point air emissions	5.1a	[ ]	[ ]	[ ]	N/A	5.1b [ ]	
5.2 Stack or point air emissions	5.2a	[ ]	[ ]	[ ]	30,225	5.2b [E]	
5.3 Discharges to receiving streams or water bodies (Enter letter code from Part I Section 3.10 for stream(s) in the box provided.) 5.3.1 [ ]	5.3.1a	[ ]	[ ]	[ ]	N/A	5.3.1b [ ]	5.3.1c N/A
5.3.2 [ ]	5.3.2a	[ ]	[ ]	[ ]	N/A	5.3.2b [ ]	5.3.2c N/A
N/A 5.3.3 [ ]	5.3.3a	[ ]	[ ]	[ ]	N/A	5.3.3b [ ]	5.3.3c N/A
5.4 Underground injection	5.4a	[ ]	[ ]	[ ]	N/A	5.4b [ ]	
5.5 Releases to land: 5.5.1 On-site landfill N/A	5.5.1a	[ ]	[ ]	[ ]	N/A	5.5.1b [ ]	
5.5.2 Land treatment/application farming	5.5.2a	[ ]	[ ]	[ ]	N/A	5.5.2b [ ]	
5.5.3 Surface impoundment	5.5.3a	[ ]	[ ]	[ ]		5.5.3b [ ]	
5.5.4 Other disposal	5.5.4a	[ ]	[ ]	[ ]		5.5.4b [ ]	

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R

PART III. CHEMICAL-SPECIFIC INFORMATION (continued)

(This space for your optional use.)

6. TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS

You may report transfers of less than 1,000 lbs. by checking ranges under A.1. (Do not use both A.1 and A.2)	A. Total Transfers (lbs/yr) A.1 Reporting Ranges 0 / 1-499 / 500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)
6.1.1 Discharge to POTW (enter location number from Part II, Section 1.) 1 .	[ ] [ ] [ ]	N/A	6.1.1b	
6.2.1 Other off-site location (enter location number from Part II, Section 2.) 2 .	[ ] [ ] [ ]	N/A	6.2.1b	6.2.1c M
6.2.2 Other off-site location (enter location number from Part II, Section 2.) 2 .	[ ] [ ] [ ]	N/A	6.2.2b	6.2.2c M
6.2.3 Other off-site location (enter location number from Part II, Section 2.) 2 .	[ ] [ ] [ ]	N/A	6.2.3b	6.2.3c M

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

7. WASTE TREATMENT METHODS AND EFFICIENCY

A. General Wastestream (enter code)	B. Treatment Method (enter code)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes / No
7.1a N/A	7.1b	7.1c	7.1d [ ]	7.1e %	7.1f [ ] [ ]
7.2a	7.2b	7.2c	7.2d [ ]	7.2e %	7.2f [ ] [ ]
7.3a	7.3b	7.3c	7.3d [ ]	7.3e %	7.3f [ ] [ ]
7.4a	7.4b	7.4c	7.4d [ ]	7.4e %	7.4f [ ] [ ]
7.5a	7.5b	7.5c	7.5d [ ]	7.5e %	7.5f [ ] [ ]
7.6a	7.6b	7.6c	7.6d [ ]	7.6e %	7.6f [ ] [ ]
7.7a	7.7b	7.7c	7.7d [ ]	7.7e %	7.7f [ ] [ ]
7.8a	7.8b	7.8c	7.8d [ ]	7.8e %	7.8f [ ] [ ]
7.9a	7.9b	7.9c	7.9d [ ]	7.9e %	7.9f [ ] [ ]
7.10a	7.10b	7.10c	7.10d [ ]	7.10e %	7.10f [ ] [ ]

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

8. OPTIONAL INFORMATION ON WASTE MINIMIZATION

(Indicate actions taken to reduce the amount of the chemical being released from the facility. See the instructions for coded items and an explanation of what information to include.)

A. Type of Modification (enter code)	B. Quantity of the Chemical in Wastes Prior to Treatment or Disposal: Current reporting year (lbs/yr)	Prior year (lbs/yr)	Or percent change	C. Index	D. Reason for Action (enter code)
M 2	7732	9090	-15 %	0 . 9	R 2

(Important: Type or print; read instructions before completing form.)

EPA U.S. Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

EPA FORM **R**

PART I. FACILITY IDENTIFICATION INFORMATION

(This space for your optional use.)

Public reporting burden for this collection of information is estimated to vary from 30 to 34 hours per response, with an average of 32 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch (PM-223), US EPA, 401 M St., SW, Washington, D.C. 20460 Attn: TRI Burden and to the Office of Information and Regulatory Affairs, Office of Management and Budget Paperwork Reduction Project (2070-0093), Washington, D.C. 20503.

1.	1.1 Are you claiming the chemical identity on page 3 trade secret? [ ] Yes (Answer question 1.2; Attach substantiation forms.) [X] No (Do not answer 1.2; Go to question 1.3.)	1.2 If "Yes" in 1.1, is this copy: N/A [ ] Sanitized [ ] Unsanitized	1.3 Reporting Year 19 88

2. CERTIFICATION (Read and sign after completing all sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official: John W. Hedges, Vice President, Contracts and Production Programs

Signature: John W. Hedges — Date signed: 6/26/89

3. FACILITY IDENTIFICATION

3.1	Facility or Establishment Name: HR Textron Inc.	
	Street Address: 10445 Glenoaks Blvd.	
	City: Pacoima	County: Los Angeles
	State: California	Zip Code: 91331
3.2	This report contains information for (Check one): a. [ ] An entire facility b. [X] Part of a facility.	
3.3	Technical Contact: Robert E. Hanson	Telephone Number (Include area code): (805) 253-5338
3.4	Public Contact: Delores M. Pilling	Telephone Number (Include area code): (805) 253-5256

WHERE TO SEND COMPLETED FORMS:

1. U.S. ENVIRONMENTAL PROTECTION AGENCY
   P.O. BOX 70266
   WASHINGTON, DC 20024-0266
   ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See Instructions Appendix E)

3.5	SIC Code (4 digit) a. 3728	b. N/A	c. N/A	d. N/A	e. N/A	f. N/A

	Latitude			Longitude		
3.6	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
	034	15	55	118	22	55

3.7	Dun & Bradstreet Number(s) a. 00-851-3152	b. N/A
3.8	EPA Identification Number(s) (RCRA I.D. No.) a. CAD 04 116 2330	b. N/A
3.9	NPDES Permit Number(s) a. N/A	b. N/A
3.10	Receiving Streams or Water Bodies (enter one name per box) a.	b. N/A
	c. N/A	d.
	e.	f.
3.11	Underground Injection Well Code (UIC) Identification Number(s) a. N/A	b.

4. PARENT COMPANY INFORMATION

4.1	Name of Parent Company: Textron, Inc.
4.2	Parent Company's Dun & Bradstreet Number: 00-851-3152

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R
PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

(This space for your optional use.)

1. PUBLICLY OWNED TREATMENT WORKS (POTWs)

1.1 POTW name		1.2 POTW name	
Hyperion Waste Treatment Plant		N/A	
Street Address: 7660 West Imperial Highway		Street Address:	
City: Playa Del Rey	County: Los Angeles	City:	County:
State: California	Zip: 90291	State:	Zip:

2. OTHER OFF-SITE LOCATIONS (DO NOT REPORT LOCATIONS TO WHICH WASTES ARE SENT ONLY FOR RECYCLING OR REUSE).

2.1 Off-site location name		2.2 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.3 Off-site location name		2.4 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.5 Off-site location name		2.6 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

[ ] Check if additional pages of Part II are attached. How many? _____

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R
PART III. CHEMICAL-SPECIFIC INFORMATION

(This space for your optional use.)

1. CHEMICAL IDENTITY (Do not complete this section if you complete Section 2.)

1.1	[Reserved]
1.2	CAS Number (Enter the number exactly as it appears on the 313 list. Enter NA if reporting a chemical category.) 76-13-1
1.3	Chemical or Chemical Category Name (Enter the name exactly as it appears on the 313 list.) Freon 113 (Ethane, 1,1,2 - Trichloro - 1,2,2 - Trifluoro)
1.4	Generic Chemical Name (Complete only if Part I, Section 1.1 is checked "Yes." Generic name must be structurally descriptive.) N/A

2. MIXTURE COMPONENT IDENTITY (Do not complete this section if you complete Section 1.)

Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation).)

3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.)

3.1	Manufacture the chemical:	a. [ ] Produce b. [ ] Import	If produce or import: c. [ ] For on-site use/processing e. [ ] As a byproduct	d. [ ] For sale/distribution f. [ ] As an impurity
3.2	Process the chemical:	a. [ ] As a reactant d. [ ] Repackaging only	b. [ ] As a formulation component	c. [ ] As an article component
3.3	Otherwise use the chemical:	a. [ ] As a chemical processing aid	b. [ ] As a manufacturing aid	c. [X] Ancillary or other use

4. MAXIMUM AMOUNT OF THE CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

[0 3] (enter code)

5. RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE

You may report releases of less than 1,000 lbs. by checking ranges under A.1. (Do not use both A.1 and A.2)		A. Total Release (lbs/yr) A.1 Reporting Ranges 0	1-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1 Fugitive or non-point air emissions	5.1a	[ ]	[ ]	[ ]	N/A	5.1b [ ]	
5.2 Stack or point air emissions	5.2a	[ ]	[ ]	[ ]	25,597	5.2b [E]	
5.3 Discharges to receiving streams or water bodies 5.3.1 [ ]	5.3.1a	[ ]	[ ]	[ ]	N/A	5.3.1b [ ]	5.3.1c N/A
(Enter letter code from Part I Section 3.10 for stream(s) in the box provided.) 5.3.2 [ ]	5.3.2a	[ ]	[ ]	[ ]	N/A	5.3.2b [ ]	5.3.2c N/A
N/A 5.3.3 [ ]	5.3.3a	[ ]	[ ]	[ ]	N/A	5.3.3b [ ]	5.3.3c N/A
5.4 Underground injection	5.4a	[ ]	[ ]	[ ]	N/A	5.4b [ ]	
5.5 Releases to land							
5.5.1 On-site landfill N/A	5.5.1a	[ ]	[ ]	[ ]	N/A	5.5.1b [ ]	
5.5.2 Land treatment/application farming	5.5.2a	[ ]	[ ]	[ ]	N/A	5.5.2b [ ]	
5.5.3 Surface impoundment	5.5.3a	[ ]	[ ]	[ ]	N/A	5.5.3b [ ]	
5.5.4 Other disposal	5.5.4a	[ ]	[ ]	[ ]	N/A	5.5.4b [ ]	

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

EPA

EPA FORM R

PART III. CHEMICAL-SPECIFIC INFORMATION (continued)

(This space for your optional use.)

6. TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS

You may report transfers of less than 1,000 lbs. by checking ranges under A.1. (Do not use both A.1 and A.2)	A. Total Transfers (lbs/yr) A.1 Reporting Ranges 0	1-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)
6.1.1 Discharge to POTW (enter location number from Part II, Section 1.) 1 . 1	[ ]	[x]	[ ]		6.1.1b M	
6.2.1 Other off-site location (enter location number from Part II, Section 2.) 2 .	[ ]	[ ]	[ ]	N/A	6.2.1b	6.2.1c M
6.2.2 Other off-site location (enter location number from Part II, Section 2.) 2 .	[ ]	[ ]	[ ]	N/A	6.2.2b	6.2.2c M
6.2.3 Other off-site location (enter location number from Part II, Section 2.) 2 .	[ ]	[ ]	[ ]	N/A	6.2.3b	6.2.3c M

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

7. WASTE TREATMENT METHODS AND EFFICIENCY

A. General Wastestream (enter code)	B. Treatment Method (enter code)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes	No
N/A 7.1a	7.1b	7.1c	7.1d [ ]	7.1e %	7.1f [ ]	[ ]
7.2a	7.2b	7.2c	7.2d [ ]	7.2e %	7.2f [ ]	[ ]
7.3a	7.3b	7.3c	7.3d [ ]	7.3e %	7.3f [ ]	[ ]
7.4a	7.4b	7.4c	7.4d [ ]	7.4e %	7.4f [ ]	[ ]
7.5a	7.5b	7.5c	7.5d [ ]	7.5e %	7.5f [ ]	[ ]
7.6a	7.6b	7.6c	7.6d [ ]	7.6e %	7.6f [ ]	[ ]
7.7a	7.7b	7.7c	7.7d [ ]	7.7e %	7.7f [ ]	[ ]
7.8a	7.8b	7.8c	7.8d [ ]	7.8e %	7.8f [ ]	[ ]
7.9a	7.9b	7.9c	7.9d [ ]	7.9e %	7.9f [ ]	[ ]
7.10a	7.10b	7.10c	7.10d [ ]	7.10e %	7.10f [ ]	[ ]

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

8. OPTIONAL INFORMATION ON WASTE MINIMIZATION

(Indicate actions taken to reduce the amount of the chemical being released from the facility. See the instructions for coded items and an explanation of what information to include.)

A. Type of Modification (enter code)	B. Quantity of the Chemical in Wastes Prior to Treatment or Disposal: Current reporting year (lbs/yr)	Prior year (lbs/yr)	Or percent change	C. Index	D. Reason for Action (enter code)
M 2	17,101	19,043	-10 %	0 . 9	R 2

(Important: Type or print; read instructions before completing form.)

U.S. Environmental Protection Agency

EPA

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

EPA FORM **R**

Section 313, Title III of The Superfund Amendments and Reauthorization Act of 1986

(This space for EPA use only.)

PART I. FACILITY IDENTIFICATION INFORMATION

1. 1.1 Does this report contain trade secret information? ☐ Yes (Answer 1.2) ☒ No (Do not answer 1.2)

1.2 Is this a sanitized copy? ☐ Yes ☒ No

1.3 Reporting Year: 1987 calendar year

2. CERTIFICATION (Read and sign after completing all sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official: John W. Hedges, Esquire VP Contracts

Signature: [signature]

Date signed: JUNE 23 1988

3. FACILITY IDENTIFICATION

3.1 Facility or Establishment Name: HR Textron Inc

Street Address: 10445 Glenoaks Boulevard

City: Pacoima

County: Los Angeles

State: California

Zip Code: 91331-0000

3.2 This report contains information for: (check one)

a. ☐ An entire covered facility.

b. ☒ Part of a covered facility.

3.3 Technical Contact: Robert E. Hanson — Telephone Number (Include area code): (805)253-5338

3.4 Public Contact: Delores M. Pilling — Telephone Number (Include area code): (805)253-5256

3.5 a. SIC Code: 3728 b. n/a c. n/a

3.6 Latitude: Deg. 034 Min. 15 Sec. 55 Longitude: Deg. 118 Min. 22 Sec. 55

3.7 Dun & Bradstreet Number(s): a. 00-851-3152 b. n/a

3.8 EPA Identification Number (RCRA I.D. No.): a. CAD041162330 b. n/a

3.9 NPDES Permit Number(s): a. n/a b. n/a

3.10 Name of Receiving Stream(s) or Water Body(s):

a. Los Angeles River

b.

c.

3.11 Underground Injection Well Code (UIC) Identification No.: n/a

Where to send completed forms:

U.S. Environmental Protection Agency
P.O. Box 70266
Washington, DC 20024-0266
Attn: Toxic Chemical Release Inventory

4. PARENT COMPANY INFORMATION

4.1 Name of Parent Company: Textron Inc

4.2 Parent Company's Dun & Bradstreet No.: 00-851-3152

(This space for EPA use only.)

EPA FORM R
PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

1. PUBLICLY OWNED TREATMENT WORKS (POTW)

Facility Name: N/A	
Street Address	
City	County
State	Zip -

2. OTHER OFF-SITE LOCATIONS - Number these locations sequentially on this and any additional page of this form you use.

☐ Other off-site location

EPA Identification Number (RCRA ID. No.)

Facility Name: N/A	
Street Address	
City	County
State	Zip -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

☐ Other off-site location

EPA Identification Number (RCRA ID. No.)

Facility Name: N/A	
Street Address	
City	County
State	Zip -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

☐ Other off-site location

EPA Identification Number (RCRA ID. No.)

Facility Name: N/A	
Street Address	
City	County
State	Zip -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

☐ Check if additional pages of Part II are attached.

(This space for EPA use only.)

EPA FORM R
PART III. CHEMICAL SPECIFIC INFORMATION

1. CHEMICAL IDENTITY

1.1 [ ] Trade Secret (Provide a generic name in 1.4 below. Attach substantiation form to this submission.) n/a

1.2 CAS # 0 0 0 0 7 1 - 5 5 - 6 (Use leading zeros if CAS number does not fill space provided.)

1.3 Chemical or Chemical Category Name
1,1,1-Trichloroethane (Methyl chloroform)

1.4 Generic Chemical Name (Complete only if 1.1 is checked.)
N/A

2. MIXTURE COMPONENT IDENTITY (Do not complete this section if you have completed Section 1.)

Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation)).
N/A

3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.)

3.1 Manufacture:
a. [ ] Produce
b. [ ] Import
c. [ ] For on-site use/processing
d. [ ] For sale/distribution
e. [ ] As a byproduct
f. [ ] As an impurity

3.2 Process:
a. [ ] As a reactant
b. [ ] As a formulation component
c. [ ] As an article component
d. [ ] Repackaging only

3.3 Otherwise Used:
a. [ ] As a chemical processing aid
b. [ ] As a manufacturing aid
c. [X] Ancillary or other use

4. MAXIMUM AMOUNT OF THE CHEMICAL ON SITE AT ANY TIME DURING THE CALENDAR YEAR

0 3 (enter code)

5. RELEASES OF THE CHEMICAL TO THE ENVIRONMENT

You may report releases of less than 1,000 lbs. by checking ranges under A.1.		A. Total Release (lbs/yr) A.1 Reporting Ranges 0	1–499	500–999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1 Fugitive or non-point air emissions	5.1a				N/A	5.1b n/a [ ]	
5.2 Stack or point air emissions	5.2a				36,242	5.2b E	
5.3 Discharges to water (Enter letter code from Part I Section 3.10 for streams(s).) 5.3.1 n/a [ ]	5.3.1a				N/A	5.3.1b n/a [ ]	5.3.1c N/A
5.3.2 [ ]	5.3.2a				N/A	5.3.2b n/a [ ]	5.3.2c N/A
5.3.3 [ ]	5.3.3a				N/A	5.3.3b n/a [ ]	5.3.3c N/A
5.4 Underground injection	5.4a				N/A	5.4b n/a [ ]	
5.5 Releases to land 5.5.1 n/a [ ] (enter code)	5.5.1a				N/A	5.5.1b n/a [ ]	
5.5.2 [ ] (enter code)	5.5.2a				N/A	5.5.2b n/a [ ]	
5.5.3 [ ] (enter code)	5.5.3a				N/A	5.5.3b n/a [ ]	

[ ] (Check if additional information is provided on Part IV–Supplemental Information.)

6. TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS

You may report transfers of less than 1,000 lbs. by checking ranges under A.1.	A. Total Transfers (lbs/yr) A.1 Reporting Ranges 0	1-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)
6.1 Discharge to POTW				N/A	n/a 6.1b ☐	
6.2 Other off-site location (Enter block number from Part II, Section 2.) ☐				N/A	n/a 6.2b ☐	n/a 6.2c ☐☐☐
6.3 Other off-site location (Enter block number from Part II, Section 2.) ☐				N/A	n/a 6.3b ☐	n/a 6.3c ☐☐☐
6.4 Other off-site location (Enter block number from Part II, Section 2.) ☐				N/A	n/a 6.4b ☐	n/a 6.4c ☐☐☐

☐ (Check if additional information is provided on Part IV-Supplemental Information)

7. WASTE TREATMENT METHODS AND EFFICIENCY

A. General Wastestream (enter code)	B. Treatment Method (enter code)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes	No
7.1a ☐	n/a 7.1b ☐☐☐	7.1c ☐	7.1d ☐	7.1e %	7.1f ☐	☐
7.2a ☐	7.2b ☐☐☐	7.2c ☐	7.2d ☐	7.2e %	7.2f ☐	☐
7.3a ☐	7.3b ☐☐☐	7.3c ☐	7.3d ☐	7.3e %	7.3f ☐	☐
7.4a ☐	7.4b ☐☐☐	7.4c ☐	7.4d ☐	7.4e %	7.4f ☐	☐
7.5a ☐	7.5b ☐☐☐	7.5c ☐	7.5d ☐	7.5e %	7.5f ☐	☐
7.6a ☐	7.6b ☐☐☐	7.6c ☐	7.6d ☐	7.6e %	7.6f ☐	☐
7.7a ☐	7.7b ☐☐☐	7.7c ☐	7.7d ☐	7.7e %	7.7f ☐	☐
7.8a ☐	7.8b ☐☐☐	7.8c ☐	7.8d ☐	7.8e %	7.8f ☐	☐
7.9a ☐	7.9b ☐☐☐	7.9c ☐	7.9d ☐	7.9e %	7.9f ☐	☐
7.10a ☐	7.10b ☐☐☐	7.10c ☐	7.10d ☐	7.10e %	7.10f ☐	☐
7.11a ☐	7.11b ☐☐☐	7.11c ☐	7.11d ☐	7.11e %	7.11f ☐	☐
7.12a ☐	7.12b ☐☐☐	7.12c ☐	7.12d ☐	7.12e %	7.12f ☐	☐
7.13a ☐	7.13b ☐☐☐	7.13c ☐	7.13d ☐	7.13e %	7.13f ☐	☐
7.14a ☐	7.14b ☐☐☐	7.14c ☐	7.14d ☐	7.14e %	7.14f ☐	☐

☐ (Check if additional information is provided on Part IV-Supplemental Information.)

8. OPTIONAL INFORMATION ON WASTE MINIMIZATION

(Indicate actions taken to reduce the amount of the chemical being released from the facility. See the instructions for coded items and an explanation of what information to include.)

A. Type of modification (enter code)	B. Quantity of the chemical in the wastestream prior to treatment/disposal: Current reporting year (lbs/yr)	Prior year (lbs/yr)	Or percent change	C. Index	D. Reason for action (enter code)
M 2	9090	9563	-4.9 %	1 08	R 2

(Important: Type or print; read instructions before completing form.)

Approval Expires: _____

U.S. Environmental Protection Agency

EPA

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

EPA FORM **R**

Section 313, Title III of The Superfund Amendments and Reauthorization Act of 1986

(This space for EPA use only.)

PART I. FACILITY IDENTIFICATION INFORMATION

1.	1.1 Does this report contain trade secret information? ☐ Yes (Answer 1.2) ☒ No (Do not answer 1.2)	1.2 Is this a sanitized copy? ☐ Yes ☒ No	1.3 Reporting Year: 1987 calendar year

2. CERTIFICATION (Read and sign after completing all sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official: John W. Hedges, Esquire VP Contracts

Signature: [signature] Date signed: JUNE 23 1988

3. FACILITY IDENTIFICATION

3.1	Facility or Establishment Name: HR Textron Inc	
	Street Address: 10445 Glenoaks Boulevard	
	City: Pacoima	County: Los Angeles
	State: California	Zip Code: 91331-0000
3.2	This report contains information for: (check one) a. ☐ An entire covered facility. b. ☒ Part of a covered facility.	
3.3	Technical Contact: Robert E. Hanson	Telephone Number (Include area code): (805)253-5338
3.4	Public Contact: Delores M. Pilling	Telephone Number (Include area code): (805)253-5256
3.5	a. SIC Code: 3728	b. n/a c. n/a
3.6	Latitude: Deg. 034 Min. 15 Sec. 55	Longitude: Deg. 118 Min. 22 Sec. 55
3.7	Dun & Bradstreet Number(s): a. 00-851-3152	b. n/a
3.8	EPA Identification Number (RCRA I.D. No.): a. CAD041162330	b. n/a
3.9	NPDES Permit Number(s): a. n/a	b. n/a
3.10	Name of Receiving Stream(s) or Water Body(s): a. Los Angeles River	
	b.	
	c.	
3.11	Underground Injection Well Code (UIC) Identification No.: n/a	

Where to send completed forms:

U.S. Environmental Protection Agency
P.O. Box 70266
Washington, DC 20024-0266
Attn: Toxic Chemical Release Inventory

4. PARENT COMPANY INFORMATION

4.1	Name of Parent Company: Textron Inc
4.2	Parent Company's Dun & Bradstreet No.: 00-851-3152

(This space for EPA use only.)

EPA FORM R
PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

1. PUBLICLY OWNED TREATMENT WORKS (POTW)

Facility Name: N/A	
Street Address	
City	County
State	Zip

2. OTHER OFF-SITE LOCATIONS - Number these locations sequentially on this and any additional page of this form you use.

☐ **Other off-site location**

EPA Identification Number (RCRA ID. No.)

Facility Name: N/A	
Street Address	
City	County
State	Zip

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

☐ **Other off-site location**

EPA Identification Number (RCRA ID. No.)

Facility Name: N/A	
Street Address	
City	County
State	Zip

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

☐ **Other off-site location**

EPA Identification Number (RCRA ID. No.)

Facility Name: N/A	
Street Address	
City	County
State	Zip

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

☐ Check if additional pages of Part II are attached.

(This space for EPA use only.)

EPA FORM R
PART III. CHEMICAL SPECIFIC INFORMATION

1. CHEMICAL IDENTITY

1.1 [ ] n/a Trade Secret (Provide a generic name in 1.4 below. Attach substantiation form to this submission.)

1.2 CAS # 0 0 0 0 7 6 - 1 3 - 1 (Use leading zeros if CAS number does not fill space provided.)

1.3 Chemical or Chemical Category Name
Freon 113 [Ethane,1,1,2-trichloro-1,2,2-trifluoro]

1.4 Generic Chemical Name (Complete only if 1.1 is checked.)
N/A

2. MIXTURE COMPONENT IDENTITY (Do not complete this section if you have completed Section 1.)

Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation)).
N/A

3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.)

3.1 Manufacture: a. [ ] Produce b. [ ] Import c. [ ] For on-site use/processing d. [ ] For sale/distribution e. [ ] As a byproduct f. [ ] As an impurity

3.2 Process: a. [ ] As a reactant b. [ ] As a formulation component c. [ ] As an article component d. [ ] Repackaging only

3.3 Otherwise Used: a. [ ] As a chemical processing aid b. [ ] As a manufacturing aid c. [X] Ancillary or other use

4. MAXIMUM AMOUNT OF THE CHEMICAL ON SITE AT ANY TIME DURING THE CALENDAR YEAR

0 3 (enter code)

5. RELEASES OF THE CHEMICAL TO THE ENVIRONMENT

You may report releases of less than 1,000 lbs. by checking ranges under A.1.		A. Total Release (lbs/yr) A.1 Reporting Ranges 0	1–499	500–999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1 Fugitive or non-point air emissions	5.1a				N/A	5.1b n/a [ ]	
5.2 Stack or point air emissions	5.2a				50,700	5.2b E	
5.3 Discharges to water (Enter letter code from Part I Section 3.10 for streams(s).) 5.3.1 n/a [ ]	5.3.1a				N/A	5.3.1b n/a [ ]	5.3.1c N/A
5.3.2 n/a [ ]	5.3.2a				N/A	5.3.2b n/a [ ]	5.3.2c N/A
5.3.3 n/a [ ]	5.3.3a				N/A	5.3.3b n/a [ ]	5.3.3c N/A
5.4 Underground Injection	5.4a				N/A	5.4b n/a [ ]	
5.5 Releases to land 5.5.1 n/a [ ] (enter code)	5.5.1a				N/A	5.5.1b n/a [ ]	
5.5.2 n/a [ ] (enter code)	5.5.2a				N/A	5.5.2b n/a [ ]	
5.5.3 n/a [ ] (enter code)	5.5.3a				N/A	5.5.3b n/a [ ]	

[ ] (Check if additional information is provided on Part IV–Supplemental Information.)

6. TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS

You may report transfers of less than 1,000 lbs. by checking ranges under A.1.	A. Total Transfers (lbs/yr) A.1 Reporting Ranges 0	1–499	500–999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)
6.1 Discharge to POTW		X		N/A	6.1b M	N/A
6.2 Other off-site location (Enter block number from Part II, Section 2.) ☐				N/A	n/a 6.2b ☐	n/a 6.2c ☐☐☐
6.3 Other off-site location (Enter block number from Part II, Section 2.) ☐				N/A	n/a 6.3b ☐	n/a 6.3c ☐☐☐
6.4 Other off-site location (Enter block number from Part II, Section 2.) ☐				N/A	n/a 6.4b ☐	n/a 6.4c ☐☐☐

☐ (Check if additional information is provided on Part IV-Supplemental Information)

7. WASTE TREATMENT METHODS AND EFFICIENCY

A. General Wastestream (enter code)	B. Treatment Method (enter code)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes	No
7.1a ☐	n/a 7.1b ☐☐☐	7.1c ☐	7.1d ☐	7.1e %	7.1f ☐	☐
7.2a ☐	7.2b ☐☐☐	7.2c ☐	7.2d ☐	7.2e %	7.2f ☐	☐
7.3a ☐	7.3b ☐☐☐	7.3c ☐	7.3d ☐	7.3e %	7.3f ☐	☐
7.4a ☐	7.4b ☐☐☐	7.4c ☐	7.4d ☐	7.4e %	7.4f ☐	☐
7.5a ☐	7.5b ☐☐☐	7.5c ☐	7.5d ☐	7.5e %	7.5f ☐	☐
7.6a ☐	7.6b ☐☐☐	7.6c ☐	7.6d ☐	7.6e %	7.6f ☐	☐
7.7a ☐	7.7b ☐☐☐	7.7c ☐	7.7d ☐	7.7e %	7.7f ☐	☐
7.8a ☐	7.8b ☐☐☐	7.8c ☐	7.8d ☐	7.8e %	7.8f ☐	☐
7.9a ☐	7.9b ☐☐☐	7.9c ☐	7.9d ☐	7.9e %	7.9f ☐	☐
7.10a ☐	7.10b ☐☐☐	7.10c ☐	7.10d ☐	7.10e %	7.10f ☐	☐
7.11a ☐	7.11b ☐☐☐	7.11c ☐	7.11d ☐	7.11e %	7.11f ☐	☐
7.12a ☐	7.12b ☐☐☐	7.12c ☐	7.12d ☐	7.12e %	7.12f ☐	☐
7.13a ☐	7.13b ☐☐☐	7.13c ☐	7.13d ☐	7.13e %	7.13f ☐	☐
7.14a ☐	7.14b ☐☐☐	7.14c ☐	7.14d ☐	7.14e %	7.14f ☐	☐

☐ (Check if additional information is provided on Part IV-Supplemental Information.)

8. OPTIONAL INFORMATION ON WASTE MINIMIZATION

(Indicate actions taken to reduce the amount of the chemical being released from the facility. See the instructions for coded items and an explanation of what information to include.)

A. Type of modification (enter code)	B. Quantity of the chemical in the wastestream prior to treatment/disposal: Current reporting year (lbs/yr)	Prior year (lbs/yr)	Or percent change	C. Index	D. Reason for action (enter code)
M 2	19,043	18,427	3.34 %	1.08	R 2

Form Approved OMB No.: 2070-0093

Approval Expires: 01/94

(Important: Type or print; read instructions before completing form.)

EPA U.S. Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

Public reporting burden for this collection of information is estimated to vary from 30 to 34 hours per response, with an average of 32 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch (PM-223), US EPA, 401 M St., SW, Washington, D.C. 20460 Attn: TRI Burden and to the Office of Information and Regulatory Affairs, Office of Management and Budget Paperwork Reduction Project (2070-0093), Washington, D.C. 20603.

EPA FORM **R**	PART I. FACILITY IDENTIFICATION INFORMATION	(This space for your optional use.) Freon - Pacoima

1.	1.1 Are you claiming the chemical identity on page 3 trade secret? [ ] Yes (Answer question 1.2; Attach substantiation forms.) [X] No (Do not answer 1.2; Go to question 1.3.)	1.2 If "Yes" in 1.1, is this copy: N/A [ ] Sanitized [ ] Unsanitized	1.3 Reporting Year 19 90

2. CERTIFICATION (Read and sign after completing all sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official: Roger Pascoe, Vice President, Manufacturing

Signature: Roger Pascoe — Date signed: 6-27-91

3. FACILITY IDENTIFICATION

3.1	Facility or Establishment Name: HR Textron	
	Street Address: 10445 Glenoaks Blvd.	
	City: Pacoima	County: Los Angeles
	State: CA	Zip Code: 91331
	TRI Facility Identification Number: 91331HRTXT10445	
3.2	This report contains information for (Check only one): a. [X] An entire facility b. [ ] Part of a facility.	
3.3	Technical Contact: Jeffrey L. Wheeler	Telephone Number (include area code): 805/253-5272
3.4	Public Contact: Cynthia Gabriel	Telephone Number (include area code): 805/253-5845
3.5	SIC Code (4 digit): a. 3728 b. N/A c. d. e. f.	
3.6	Latitude: Degrees 034, Minutes 15, Seconds 55	Longitude: Degrees 118, Minutes 22, Seconds 55
3.7	Dun & Bradstreet Number(s): a. 00-851-3152	b. N/A
3.8	EPA Identification Number(s) (RCRA I.D. No.): a. CAD041162330	b. N/A
3.9	NPDES Permit Number(s): a. N/A	b.
3.10	Receiving Streams or Water Bodies (enter one name per box): a. N/A	b.
	c.	d.
	e.	f.
3.11	Underground Injection Well Code (UIC) Identification Number(s): a. N/A	b.

WHERE TO SEND COMPLETED FORMS:

1. EPCRA REPORTING CENTER
   P.O. BOX 23779
   WASHINGTON, DC 20026-3779
   ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix G)

4. PARENT COMPANY INFORMATION

4.1	Name of Parent Company: Textron Inc.	4.2	Parent Company D.U.N.S. & Bradstreet Number: 00-933-8979

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R
PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

(This space for your optional use.)
Freon - Pacoima

1. PUBLICLY OWNED TREATMENT WORKS (POTWs)

1.1 POTW name		1.2 POTW name	
Hyperion Waste Treatment Plant		N/A	
Street Address: 7660 West Imperial Highway		Street Address:	
City: Playa Del Rey	County: Los Angeles	City:	County:
State: CA	Zip: 90291	State:	Zip:

2. OTHER OFF-SITE LOCATIONS (DO NOT REPORT LOCATIONS TO WHICH WASTES ARE SENT ONLY FOR RECYCLING OR REUSE).

2.1 Off-site location name		2.2 Off-site location name	
Rho-Chem Corp.		N/A	
EPA Identification Number (RCRA ID. No.): CAD008364432		EPA Identification Number (RCRA ID. No.):	
Street Address: 425 Isis Avenue		Street Address:	
City: Inglewood	County: Los Angeles	City:	County:
State: CA	Zip: 90301	State:	Zip:
Is location under control of reporting facility or parent company? [ ] Yes [X] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.3 Off-site location name		2.4 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.):		EPA Identification Number (RCRA ID. No.):	
Street Address:		Street Address:	
City:	County:	City:	County:
State:	Zip:	State:	Zip:
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.5 Off-site location name		2.6 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.):		EPA Identification Number (RCRA ID. No.):	
Street Address:		Street Address:	
City:	County:	City:	County:
State:	Zip:	State:	Zip:
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

[ ] Check if additional pages of Part II are attached. How many? _____

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R

PART III. CHEMICAL-SPECIFIC INFORMATION

(This space for your optional use.)

Freon - Pacoima

1. CHEMICAL IDENTITY (Do not complete this section if you complete Section 2.)

1.1	[Reserved]
1.2	CAS Number (Enter only one number exactly as it appears on the 313 list. Enter NA if reporting a chemical category.) 76-13-1
1.3	Chemical or Chemical Category Name (Enter only one name exactly as it appears on the 313 list.) Freon 113
1.4	Generic Chemical Name (Complete only if Part I, Section 1.1 is checked "Yes." Generic name must be structurally descriptive.)

2. MIXTURE COMPONENT IDENTITY (Do not complete this section if you complete Section 1.)

Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation).)

3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.)

3.1	Manufacture the chemical:	a. [ ] Produce b. [ ] Import	If produce or import: c. [ ] For on-site use/processing e. [ ] As a byproduct	d. [ ] For sale/distribution f. [ ] As an impurity
3.2	Process the chemical:	a. [ ] As a reactant d. [ ] Repackaging only	b. [ ] As a formulation component	c. [ ] As an article component
3.3	Otherwise use the chemical:	a. [ ] As a chemical processing aid	b. [ ] As a manufacturing aid	c. [X] Ancillary or other use

4. MAXIMUM AMOUNT OF THE CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

[0][3] (enter code)

5. RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE

You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)		A. Total Release (pounds/year) A.1 Reporting Ranges 1-10	11-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1 Fugitive or non-point air emissions	5.1a	[ ]	[ ]	[ ]	9900	5.1b C	
5.2 Stack or point air emissions	5.2a	[ ]	[ ]	[ ]	N/A	5.2b	
5.3 Discharges to receiving streams or water bodies (Enter letter code from Part I Section 3.10 for stream(s) in the box provided.) 5.3.1	5.3.1a	[ ]	[ ]	[ ]	N/A	5.3.1b	5.3.1c N/A %
5.3.2	5.3.2a	[ ]	[ ]	[ ]	N/A	5.3.2b	5.3.2c N/A %
N/A 5.3.3	5.3.3a	[ ]	[ ]	[ ]	N/A	5.3.3b	5.3.3c N/A %
5.4 Underground injection	5.4a	[ ]	[ ]	[ ]	N/A	5.4b	
5.5 Releases to land 5.5.1 On-site landfill	5.5.1a	[ ]	[ ]	[ ]	N/A	5.5.1b	
5.5.2 Land treatment/application farming	5.5.2a	[ ]	[ ]	[ ]	N/A	5.5.2b	
5.5.3 Surface impoundment	5.5.3a	[ ]	[ ]	[ ]	N/A	5.5.3b	
5.5.4 Other disposal	5.5.4a	[ ]	[ ]	[ ]	N/A	5.5.4b	

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R

PART III. CHEMICAL-SPECIFIC INFORMATION (continued)

(This space for your optional use.)

Freon - Pacoima

6. TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS

You may report transfers of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)	A. Total Transfers (pounds/yr) A.1 Reporting Ranges 1-10	11-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)
6.1.1 Discharge to POTW (enter location number from Part II, Section 1.) 1.1	[ ]	[ ]	[ ]	0	6.1.1b 0	
6.2.1 Other off-site location (enter location number from Part II, Section 2.) 2.1	[ ]	[X]	[ ]		6.2.1b 0	6.2.1c M50
6.2.2 Other off-site location (enter location number from Part II, Section 2.) 2.	[ ]	[ ]	[ ]	N/A	6.2.2b	6.2.2c M
6.2.3 Other off-site location (enter location number from Part II, Section 2.) 2.	[ ]	[ ]	[ ]		6.2.3b	6.2.3c M

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

7. WASTE TREATMENT METHODS AND EFFICIENCY

[X] Not Applicabl;e (NA) - Check if no on-site treatment is applied to any waste stream containing the chemical or chemical catagory

A. General Wastestream (enter code)	B. Treatment Method (enter code)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes	No
7.1a N/A	7.1b	7.1c	7.1d [ ]	7.1e %	7.1f [ ]	[ ]
7.2a	7.2b	7.2c	7.2d [ ]	7.2e %	7.2f [ ]	[ ]
7.3a	7.3b	7.3c	7.3d [ ]	7.3e %	7.3f [ ]	[ ]
7.4a	7.4b	7.4c	7.4d [ ]	7.4e %	7.4f [ ]	[ ]
7.5a	7.5b	7.5c	7.5d [ ]	7.5e %	7.5f [ ]	[ ]
7.6a	7.6b	7.6c	7.6d [ ]	7.6e %	7.6f [ ]	[ ]
7.7a	7.7b	7.7c	7.7d [ ]	7.7e %	7.7f [ ]	[ ]
7.8a	7.8b	7.8c	7.8d [ ]	7.8e %	7.8f [ ]	[ ]
7.9a	7.9b	7.9c	7.9d [ ]	7.9e %	7.9f [ ]	[ ]
7.10a	7.10b	7.10c	7.10d [ ]	7.10e %	7.10f [ ]	[ ]

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

8. POLLUTION PREVENTION: OPTIONAL INFORMATION ON WASTE MINIMIZATION

(Indicate actions taken to reduce the amount of the chemical being released from the facility. See the instructions for coded items and an explanation of what information to include.)

A. Type of Modification (enter code)	B. Quantity of the Chemical in Wastes Prior to Treatment or Disposal: Current reporting year (pounds/year)	Prior year (pounds/year)	Or percent change (Check (+) or (-))	C. Index	D. Reason for Action (enter code)
MI			[ ] + [ ] - %	[ ] [ ]	RI

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R

PART IV. SUPPLEMENTAL INFORMATION

Use this section if you need additional space for answers to questions in Part III. Number the lines used sequentially from lines in prior sections (e.g., 5.3.4, 6.1.2, 7.11)

(This space for your optional use.)

Freon - Pacoima

ADDITIONAL INFORMATION ON RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE (Part III, Section 5.3)

You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)			A. Total Release (pounds/yr) A.1 Reporting Ranges 1-10	11-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code in box provided)	C. % From Stormwater
5.3 Discharges to receiving streams or water bodies N/A	5.3.___	5.3.___a	[ ]	[ ]	[ ]		5.3.___b	5.3.___c %
(Enter letter code from Part I Section 3.10 for stream(s) in the box provided.)	5.3.___	5.3.___a	[ ]	[ ]	[ ]		5.3.___b	5.3.___c %
	5.3.___	5.3.___a	[ ]	[ ]	[ ]		5.3.___b	5.3.___c %

ADDITIONAL INFORMATION ON TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS (Part III, Section 6)

You may report transfers of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)		A. Total Transfers (pounds/yr) A.1 Reporting Ranges 1-10	11-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code in box provided)	C. Type of Treatment/ Disposal (enter code in box provided)
6.1 N/A	Discharge to POTW (enter location number from Part II, Section 1.) 1	[ ]	[ ]	[ ]		6.1.___b	
6.2.___	Other off-site location (enter location number from Part II, Section 2.) 2	[ ]	[ ]	[ ]		6.2.___b	6.2.___c M
6.2.___	Other off-site location (enter location number from Part II, Section 2.) 2	[ ]	[ ]	[ ]		6.2.___b	6.2.___c M
6.2.___	Other off-site location (enter location number from Part II, Section 2.) 2	[ ]	[ ]	[ ]		6.2.___b	6.2.___c M

ADDITIONAL INFORMATION ON WASTE TREATMENT METHODS AND EFFICIENCY (Part III, Section 7)

A. General Wastestream (enter code in box provided)	B. Treatment Method (enter code in box provided)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes	No
7. N/A a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]

Form Approved OMB No.: 2070-0093

Approval Expires: 01/94

(Important: Type or print; read instructions before completing form.)

EPA U.S. Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

Public reporting burden for this collection of information is estimated to vary from 30 to 34 hours per response, with an average of 32 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch (PM-223), US EPA, 401 M St., SW, Washington, D.C. 20460 Attn: TRI Burden and to the Office of Information and Regulatory Affairs, Office of Management and Budget Paperwork Reduction Project (2070-0093), Washington, D.C. 20503.

EPA FORM **R**

PART I. FACILITY IDENTIFICATION INFORMATION

(This space for your optional use.)

1,1,1-Trichloroethane

Pacoima

1.	1.1 Are you claiming the chemical identity on page 3 trade secret?	1.2 If "Yes" in 1.1, is this copy:	1.3 Reporting Year
	[ ] Yes (Answer question 1.2; Attach substantiation forms.) [X] No (Do not answer 1.2; Go to question 1.3.)	[ ] Sanitized [ ] Unsanitized	19 90

2. CERTIFICATION (Read and sign after completing all sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

Roger Pascoe, Vice President, Manufacturing

Signature: Roger Pascoe

Date signed: 6-27-91

3. FACILITY IDENTIFICATION

3.1	Facility or Establishment Name: HR Textron	
	Street Address: 10445 Glenoaks Blvd.	
	City: Pacoima	County: Los Angeles
	State: CA	Zip Code: 91331
	TRI Facility Identification Number: 91331 HRTXT10445	
3.2	This report contains information for (Check only one): a. [X] An entire facility b. [ ] Part of a facility.	
3.3	Technical Contact: Jeffrey L. Wheeler	Telephone Number (include area code): 805/253-5272
3.4	Public Contact: Cynthia Gabriel	Telephone Number (include area code): 805/253-5845
3.5	SIC Code (4 digit) a. 3728 b. N/A c. d. e. f.	
3.6	Latitude: Degrees 034, Minutes 15, Seconds 55	Longitude: Degrees 118, Minutes 22, Seconds 55
3.7	Dun & Bradstreet Number(s) a. 00-851-3152	b. N/A
3.8	EPA Identification Number(s) (RCRA I.D. No.) a. CAD041162330	b. N/A
3.9	NPDES Permit Number(s) a. N/A	b.
3.10	Receiving Streams or Water Bodies (enter one name per box) a. N/A	b.
	c.	d.
	e.	f.
3.11	Underground Injection Well Code (UIC) Identification Number(s) a. N/A	b.

WHERE TO SEND COMPLETED FORMS:

1. EPCRA REPORTING CENTER
   P.O. BOX 23779
   WASHINGTON, DC 20026-3779
   ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix G)

4. PARENT COMPANY INFORMATION

4.1	Name of Parent Company: Textron Inc.	4.2	Parent Company's Dun & Bradstreet Number: 00-933-8979

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R
PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

(This space for your optional use.)
1,1,1-Trichloroethane
Pacoima

1. PUBLICLY OWNED TREATMENT WORKS (POTWs)

1.1 POTW name		1.2 POTW name	
Hyperion Waste Treatment Plant		N/A	
Street Address: 7660 West Imperial Highway		Street Address:	
City: Playa Del Rey	County: Los Angeles	City:	County:
State: California	Zip: 90291	State:	Zip:

2. OTHER OFF-SITE LOCATIONS (DO NOT REPORT LOCATIONS TO WHICH WASTES ARE SENT ONLY FOR RECYCLING OR REUSE).

2.1 Off-site location name		2.2 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.3 Off-site location name		2.4 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.5 Off-site location name		2.6 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)	
Street Address		Street Address	
City	County	City	County
State	Zip	State	Zip
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

[ ] Check if additional pages of Part II are attached. How many? _____

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R
PART III. CHEMICAL-SPECIFIC INFORMATION

(This space for your optional use.)

1,1,1-Trichloroethane
Pacoima

1. CHEMICAL IDENTITY (Do not complete this section if you complete Section 2.)

1.1	[Reserved]
1.2	CAS Number (Enter only one number exactly as it appears on the 313 list. Enter NA if reporting a chemical category.) 71-55-6
1.3	Chemical or Chemical Category Name (Enter only one name exactly as it appears on the 313 list.) 1,1,1-Trichloroethane
1.4	Generic Chemical Name (Complete only if Part I, Section 1.1 is checked "Yes." Generic name must be structurally descriptive.)

2. MIXTURE COMPONENT IDENTITY (Do not complete this section if you complete Section 1.)

Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation).)

3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.)

3.1	Manufacture the chemical:	a. [ ] Produce	If produce or import: c. [ ] For on-site use/processing	d. [ ] For sale/distribution	
		b. [ ] Import	e. [ ] As a byproduct	f. [ ] As an impurity	
3.2	Process the chemical:	a. [ ] As a reactant	b. [ ] As a formulation component	c. [ ] As an article component	
		d. [ ] Repackaging only			
3.3	Otherwise use the chemical:	a. [ ] As a chemical processing aid	b. [ ] As a manufacturing aid	c. [X] Ancillary or other use	

4. MAXIMUM AMOUNT OF THE CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

[0][3] (enter code)

5. RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE

You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)		A. Total Release (pounds/year) A.1 Reporting Ranges 1-10	11-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1 Fugitive or non-point air emissions	5.1a	[ ]	[ ]	[ ]	6800	5.1b [0]	
5.2 Stack or point air emissions	5.2a	[ ]	[ ]	[ ]	2300	5.2b [0]	
5.3 Discharges to receiving streams or water bodies — 5.3.1 [ ]	5.3.1a	[ ]	[ ]	[ ]	N/A	5.3.1b [ ]	5.3.1c N/A %
(Enter letter code from Part I Section 3.10 for stream(s) in the box provided.) 5.3.2 [ ]	5.3.2a	[ ]	[ ]	[ ]	N/A	5.3.2b [ ]	5.3.2c N/A %
N/A 5.3.3 [ ]	5.3.3a	[ ]	[ ]	[ ]	N/A	5.3.3b [ ]	5.3.3c N/A %
5.4 Underground injection	5.4a	[ ]	[ ]	[ ]	N/A	5.4b [ ]	
5.5 Releases to land N/A — 5.5.1 On-site landfill	5.5.1a	[ ]	[ ]	[ ]	N/A	5.5.1b [ ]	
5.5.2 Land treatment/application farming	5.5.2a	[ ]	[ ]	[ ]	N/A	5.5.2b [ ]	
5.5.3 Surface impoundment	5.5.3a	[ ]	[ ]	[ ]	N/A	5.5.3b [ ]	
5.5.4 Other disposal	5.5.4a	[ ]	[ ]	[ ]	N/A	5.5.4b [ ]	

[ ] (Check if additional information is provided on Part V-Supplemental Information.)

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R

PART III. CHEMICAL-SPECIFIC INFORMATION (continued)

(This space for your optional use.)
1,1,1-Trichloroethane
Pacoima

6. TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS

You may report transfers of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)	A. Total Transfers (pounds/yr) A.1 Reporting Ranges 1-10	11-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)
6.1.1 Discharge to POTW (enter location number from Part II, Section 1.) 1 . 1	[ ]	[ ]	[ ]	0	6.1.1b 0	
6.2.1 Other off-site location (enter location number from Part II, Section 2.) 2 .	[ ]	[ ]	[ ]	N/A	6.2.1b	6.2.1c M
6.2.2 Other off-site location (enter location number from Part II, Section 2.) 2 .	[ ]	[ ]	[ ]	N/A	6.2.2b	6.2.2c M
6.2.3 Other off-site location (enter location number from Part II, Section 2.) 2 .	[ ]	[ ]	[ ]	N/A	6.2.3b	6.2.3c M

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

7. WASTE TREATMENT METHODS AND EFFICIENCY

[X] Not Applicable (NA) - Check if no on-site treatment is applied to any waste stream containing the chemical or chemical catagory

A. General Wastestream (enter code)	B. Treatment Method (enter code)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes	No
N/A 7.1a	N/A 7.1b	N/A 7.1c	N/A 7.1d [ ]	N/A 7.1e %	N/A 7.1f [ ]	[ ]
7.2a	7.2b	7.2c	7.2d [ ]	7.2e %	7.2f [ ]	[ ]
7.3a	7.3b	7.3c	7.3d [ ]	7.3e %	7.3f [ ]	[ ]
7.4a	7.4b	7.4c	7.4d [ ]	7.4e %	7.4f [ ]	[ ]
7.5a	7.5b	7.5c	7.5d [ ]	7.5e %	7.5f [ ]	[ ]
7.6a	7.6b	7.6c	7.6d [ ]	7.6e %	7.6f [ ]	[ ]
7.7a	7.7b	7.7c	7.7d [ ]	7.7e %	7.7f [ ]	[ ]
7.8a	7.8b	7.8c	7.8d [ ]	7.8e %	7.8f [ ]	[ ]
7.9a	7.9b	7.9c	7.9d [ ]	7.9e %	7.9f [ ]	[ ]
7.10a	7.10b	7.10c	7.10d [ ]	7.10e %	7.10f [ ]	[ ]

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

8. POLLUTION PREVENTION: OPTIONAL INFORMATION ON WASTE MINIMIZATION

(Indicate actions taken to reduce the amount of the chemical being released from the facility. See the instructions for coded items and an explanation of what information to include.)

A. Type of Modification (enter code)	B. Quantity of the Chemical in Wastes Prior to Treatment or Disposal: Current reporting year (pounds/year)	Prior year (pounds/year)	Or percent change (Check (+) or (-))	C. Index	D. Reason for Action (enter code)
M			[ ] + [ ] - %		R

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R

PART IV. SUPPLEMENTAL INFORMATION

Use this section if you need additional space for answers to questions in Part III. Number the lines used sequentially from lines in prior sections (e.g., 5.3.4, 6.1.2, 7.11)

(This space for your optional use.)

1,1,1-Trichloroethane

Pacoima

ADDITIONAL INFORMATION ON RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE (Part III, Section 5.3)

You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)			A. Total Release (pounds/yr) A.1 Reporting Ranges 1-10 / 11-499 / 500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code in box provided)	C. % From Stormwater
5.3 Discharges to receiving streams or water bodies	5.3.___	5.3.___a	[ ] [ ] [ ]	N/A	N/A 5.3.___b	N/A 5.3.___c %
(Enter letter code from Part I Section 3.10 for stream(s) in the box provided.)	5.3.___	5.3.___a	[ ] [ ] [ ]	N/A	5.3.___b	5.3.___c %
N/A	5.3.___	5.3.___a	[ ] [ ] [ ]	N/A	5.3.___b	5.3.___c %

ADDITIONAL INFORMATION ON TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS (Part III, Section 6)

You may report transfers of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)	A. Total Transfers (pounds/yr) A.1 Reporting Ranges 1-10 / 11-499 / 500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code in box provided)	C. Type of Treatment/ Disposal (enter code in box provided)
6.1. N/A Discharge to POTW (enter location number from Part II, Section 1.) 1	[ ] [ ] [ ]	N/A	6.1.___b	
6.2.___ Other off-site location (enter location number from Part II, Section 2.) 2	[ ] [ ] [ ]	N/A	6.2.___b	N/A 6.2.___c M
6.2.___ Other off-site location (enter location number from Part II, Section 2.) 2	[ ] [ ] [ ]	N/A	6.2.___b	6.2.___c M
6.2.___ Other off-site location (enter location number from Part II, Section 2.) 2	[ ] [ ] [ ]	N/A	6.2.___b	6.2.___c M

ADDITIONAL INFORMATION ON WASTE TREATMENT METHODS AND EFFICIENCY (Part III, Section 7)

A. General Wastestream (enter code in box provided)	B. Treatment Method (enter code in box provided)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes / No
7. N/A a	7. N/A b	7. N/A c	7. N/A d [ ]	7. N/A e %	7. N/A f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ] [ ]

Form Approved OMB No.: 2070-0093

Approval Expires: 01/94

(Important: Type or print; read instructions before completing form.)

EPA U.S. Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

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Public reporting burden for this collection of information is estimated to vary from 30 to 34 hours per response, with an average of 32 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch (PM-223), US EPA, 401 M St., SW, Washington, D.C. 20460 Attn: TRI Burden and to the Office of Information and Regulatory Affairs, Office of Management and Budget Paperwork Reduction Project (2070-0093), Washington, D.C. 20503.

EPA FORM	PART I.	(This space for your optional use:)
R	FACILITY IDENTIFICATION INFORMATION	Freon - Valencia

1.	1.1 Are you claiming the chemical identity on page 3 trade secret? [ ] Yes (Answer question 1.2; Attach substantiation forms.) [X] No (Do not answer 1.2; Go to question 1.3.)	1.2 If "Yes" in 1.1, is this copy: N/A [ ] Sanitized [ ] Unsanitized	1.3 Reporting Year 19 90

2. CERTIFICATION (Read and sign after completing all sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official: Roger Pascoe, Vice President, Manufacturing

Signature: Roger Pascoe — Date signed: 6-27-91

3. FACILITY IDENTIFICATION

3.1	Facility or Establishment Name: HR Textron	
	Street Address: 25200 West Rye Canyon Road	
	City: Valencia	County: Los Angeles
	State: CA	Zip Code: 91355
	TRI Facility Identification Number: 91355HRTXT25200	

WHERE TO SEND COMPLETED FORMS:

1. EPCRA REPORTING CENTER
   P.O. BOX 23779
   WASHINGTON, DC 20026-3779
   ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix G)

3.2	This report contains information for (Check only one): a. [X] An entire facility b. [ ] Part of a facility.	
3.3	Technical Contact: Jeffrey L. Wheeler	Telephone Number (include area code): 805/253-5272
3.4	Public Contact: Cynthia Gabriel	Telephone Number (include area code): 805/253-5845

3.5	a.	b.	c.	d.	e.	f.
SIC Code (4 digit)	3728	N/A				

3.6	Latitude			Longitude		
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
	034	25	40	118	33	50

3.7	Dun & Bradstreet Number(s) a. 00-851-3152	b. N/A
3.8	EPA Identification Number(s) (RCRA I.D. No.) a. CAT000624122	b. N/A
3.9	NPDES Permit Number(s) a. CA0003271	b. N/A
3.10	Receiving Streams or Water Bodies (enter one name per box) a. N/A	b.
	c.	d.
	e.	f.
3.11	Underground Injection Well Code (UIC) Identification Number(s)	

4. PARENT COMPANY INFORMATION

4.1 Name of Parent Company: Textron Inc.	4.2 Parent Company Dun & Bradstreet Number: 00-933-8979

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R
PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

(This space for your optional use.)
Freon - Valencia

1. PUBLICLY OWNED TREATMENT WORKS (POTWs)

1.1 POTW name		1.2 POTW name	
Valencia Wastewater Treatment Plant		N/A	
Street Address: 28185 The Old Road		Street Address:	
City: Valencia	County: Los Angeles	City:	County:
State: CA	Zip: 91355	State:	Zip:

2. OTHER OFF-SITE LOCATIONS (DO NOT REPORT LOCATIONS TO WHICH WASTES ARE SENT ONLY FOR RECYCLING OR REUSE).

2.1 Off-site location name		2.2 Off-site location name	
Rho-Chem Corp.		N/A	
EPA Identification Number (RCRA ID. No.): CAD008364432		EPA Identification Number (RCRA ID. No.):	
Street Address: 425 Isis Avenue		Street Address:	
City: Inglewood	County: Los Angeles	City:	County:
State: CA	Zip: 90301	State:	Zip:
Is location under control of reporting facility or parent company? [ ] Yes [X] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.3 Off-site location name		2.4 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.):		EPA Identification Number (RCRA ID. No.):	
Street Address:		Street Address:	
City:	County:	City:	County:
State:	Zip:	State:	Zip:
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.5 Off-site location name		2.6 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.):		EPA Identification Number (RCRA ID. No.):	
Street Address:		Street Address:	
City:	County:	City:	County:
State:	Zip:	State:	Zip:
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

[ ] Check if additional pages of Part II are attached. How many? _____

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R
PART III. CHEMICAL-SPECIFIC INFORMATION

(This space for your optional use.)

Freon - Valencia

1. CHEMICAL IDENTITY (Do not complete this section if you complete Section 2.)

1.1	[Reserved]
1.2	CAS Number (Enter only one number exactly as it appears on the 313 list. Enter NA if reporting a chemical category.) 76-13-1
1.3	Chemical or Chemical Category Name (Enter only one name exactly as it appears on the 313 list.) Freon 113
1.4	Generic Chemical Name (Complete only if Part I, Section 1.1 is checked "Yes." Generic name must be structurally descriptive.)

2. MIXTURE COMPONENT IDENTITY (Do not complete this section if you complete Section 1.)

Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation).)

3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.)

3.1	Manufacture the chemical:	a. [ ] Produce b. [ ] Import	If produce or import: c. [ ] For on-site use/processing e. [ ] As a byproduct	d. [ ] For sale/distribution f. [ ] As an impurity
3.2	Process the chemical:	a. [ ] As a reactant d. [ ] Repackaging only	b. [ ] As a formulation component	c. [ ] As an article component
3.3	Otherwise use the chemical:	a. [ ] As a chemical processing aid	b. [ ] As a manufacturing aid	c. [X] Ancillary or other use

4. MAXIMUM AMOUNT OF THE CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

[0][3] (enter code)

5. RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE

You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)		A. Total Release (pounds/year) A.1 Reporting Ranges 1-10	11-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1 Fugitive or non-point air emissions	5.1a	[ ]	[ ]	[ ]	13000	5.1b C	
5.2 Stack or point air emissions	5.2a	[ ]	[ ]	[ ]	N/A	5.2b [ ]	
5.3 Discharges to receiving streams or water bodies (Enter letter code from Part I Section 3.10 for stream(s) in the box provided.) N/A — 5.3.1 [ ]	5.3.1a	[ ]	[ ]	[ ]	N/A	5.3.1b [ ]	5.3.1c N/A %
5.3.2 [ ]	5.3.2a	[ ]	[ ]	[ ]	N/A	5.3.2b [ ]	5.3.2c N/A %
5.3.3 [ ]	5.3.3a	[ ]	[ ]	[ ]	N/A	5.3.3b [ ]	5.3.3c N/A %
5.4 Underground injection	5.4a	[ ]	[ ]	[ ]	N/A	5.4b [ ]	
5.5 Releases to land: 5.5.1 On-site landfill	5.5.1a	[ ]	[ ]	[ ]	N/A	5.5.1b [ ]	
5.5.2 Land treatment/application farming	5.5.2a	[ ]	[ ]	[ ]	N/A	5.5.2b [ ]	
5.5.3 Surface impoundment	5.5.3a	[ ]	[ ]	[ ]	N/A	5.5.3b [ ]	
5.5.4 Other disposal	5.5.4a	[ ]	[ ]	[ ]	N/A	5.5.4b [ ]	

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R

PART III. CHEMICAL-SPECIFIC INFORMATION (continued)

(This space for your optional use.)

Freon - Valencia

6. TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS

You may report transfers of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)	A. Total Transfers (pounds/yr) A.1 Reporting Ranges 1-10	11-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)
6.1.1 Discharge to POTW (enter location number from Part II, Section 1.) 1.1	[ ]	[ ]	[ ]	0	6.1.1b 0	
6.2.1 Other off-site location (enter location number from Part II, Section 2.) 2.1	[ ]	[X]	[ ]		6.2.1b 0	6.2.1c M50
6.2.2 Other off-site location (enter location number from Part II, Section 2.) 2.	[ ]	[ ]	[ ]	N/A	6.2.2b	6.2.2c M
6.2.3 Other off-site location (enter location number from Part II, Section 2.) 2.	[ ]	[ ]	[ ]	N/A	6.2.3b	6.2.3c M

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

7. WASTE TREATMENT METHODS AND EFFICIENCY

[X] Not Applicabl;e (NA) - Check if no on-site treatment is applied to any waste stream containing the chemical or chemical catagory

A. General Wastestream (enter code)	B. Treatment Method (enter code)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes	No
7.1a N/A	7.1b	7.1c	7.1d [ ]	7.1e %	7.1f [ ]	[ ]
7.2a	7.2b	7.2c	7.2d [ ]	7.2e %	7.2f [ ]	[ ]
7.3a	7.3b	7.3c	7.3d [ ]	7.3e %	7.3f [ ]	[ ]
7.4a	7.4b	7.4c	7.4d [ ]	7.4e %	7.4f [ ]	[ ]
7.5a	7.5b	7.5c	7.5d [ ]	7.5e %	7.5f [ ]	[ ]
7.6a	7.6b	7.6c	7.6d [ ]	7.6e %	7.6f [ ]	[ ]
7.7a	7.7b	7.7c	7.7d [ ]	7.7e %	7.7f [ ]	[ ]
7.8a	7.8b	7.8c	7.8d [ ]	7.8e %	7.8f [ ]	[ ]
7.9a	7.9b	7.9c	7.9d [ ]	7.9e %	7.9f [ ]	[ ]
7.10a	7.10b	7.10c	7.10d [ ]	7.10e %	7.10f [ ]	[ ]

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

8. POLLUTION PREVENTION: OPTIONAL INFORMATION ON WASTE MINIMIZATION

(Indicate actions taken to reduce the amount of the chemical being released from the facility. See the instructions for coded items and an explanation of what information to include.)

A. Type of Modification (enter code)	B. Quantity of the Chemical in Wastes Prior to Treatment or Disposal: Current reporting year (pounds/year)	Prior year (pounds/year)	Or percent change (Check (+) or (-))	C. Index	D. Reason for Action (enter code)
M			[ ] + [ ] - %		R

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R

PART IV. SUPPLEMENTAL INFORMATION

Use this section if you need additional space for answers to questions in Part III. Number the lines used sequentially from lines in prior sections (e.g., 5.3.4, 6.1.2, 7.11)

(This space for your optional use.)

Freon - Valencia

ADDITIONAL INFORMATION ON RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE (Part III, Section 5.3)

You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)			A. Total Release (pounds/yr) A.1 Reporting Ranges 1-10	11-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code in box provided)	C.% From Stormwater
5.3 Discharges to receiving streams or water bodies	5.3.___	5.3.___a	[ ]	[ ]	[ ]		5.3.___b	5.3.___c %
(Enter letter code from Part I Section 3.10 for stream(s) in the box provided.)	5.3.___	5.3.___a	[ ]	[ ]	[ ]		5.3.___b	5.3.___c %
N/A	5.3.___	5.3.___a	[ ]	[ ]	[ ]		5.3.___b	5.3.___c %

ADDITIONAL INFORMATION ON TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS (Part III, Section 6)

You may report transfers of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)		A.Total Transfers (pounds/yr) A.1 Reporting Ranges 1-10	11-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code in box provided)	C. Type of Treatment/ Disposal (enter code in box provided)
6.1. N/A Discharge to POTW (enter location number from Part II, Section 1.)	1	[ ]	[ ]	[ ]		6.1.___b	
6.2.___ Other off-site location (enter location number from Part II, Section 2.)	2	[ ]	[ ]	[ ]		6.2.___b	6.2.___c M
6.2.___ Other off-site location (enter location number from Part II, Section 2.)	2	[ ]	[ ]	[ ]		6.2.___b	6.2.___c M
6.2.___ Other off-site location (enter location number from Part II, Section 2.)	2	[ ]	[ ]	[ ]		6.2.___b	6.2.___c M

ADDITIONAL INFORMATION ON WASTE TREATMENT METHODS AND EFFICIENCY (Part III, Section 7)

A. General Wastestream (enter code in box provided)	B. Treatment Method (enter code in box provided)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes	No
7. N/A a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]

Form Approved OMB No.: 2070-0093

Approval Expires: 01/94

(Important: Type or print; read instructions before completing form.)

EPA U.S. Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

Public reporting burden for this collection of information is estimated to vary from 30 to 34 hours per response, with an average of 32 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch (PM-223), US EPA, 401 M St., SW, Washington, D.C. 20460 Attn: TRI Burden and to the Office of Information and Regulatory Affairs, Office of Management and Budget Paperwork Reduction Project (2070-0093), Washington, D.C. 20503.

EPA FORM	PART I.	(This space for your optional use.)
R	FACILITY IDENTIFICATION INFORMATION	1,1,1-Trichloroethane Valencia

1.	1.1 Are you claiming the chemical Identity on page 3 trade secret?	1.2 If "Yes" in 1.1, is this copy:	1.3 Reporting Year
	[ ] Yes (Answer question 1.2; Attach substantiation forms.) [X] No (Do not answer 1.2; Go to question 1.3.)	N/A [ ] Sanitized [ ] Unsanitized	19 90

2. CERTIFICATION (Read and sign after completing all sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

Roger Pascoe, Vice President, Manufacturing

Signature: Roger Pascoe

Date signed: 6-27-91

3. FACILITY IDENTIFICATION

3.1	Facility or Establishment Name: HR Textron	
	Street Address: 25200 West Rye Canyon Road	
	City: Valencia	County: Los Angeles
	State: CA	Zip Code: 91355
	TRI Facility Identification Number: 91355HRTXT25200	

WHERE TO SEND COMPLETED FORMS:

1. EPCRA REPORTING CENTER
   P.O. BOX 23779
   WASHINGTON, DC 20026-3779
   ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix G)

3.2	This report contains information for (Check only one): a. [X] An entire facility b. [ ] Part of a facility.	
3.3	Technical Contact: Jeffrey L. Wheeler	Telephone Number (include area code): 805/253-5272
3.4	Public Contact: Cynthia Gabriel	Telephone Number (include area code): 805/253-5845

3.5	a.	b.	c.	d.	e.	f.
SIC Code (4 digit)	3728	N/A				

3.6	Latitude			Longitude		
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
	034	25	40	118	33	50

3.7 Dun & Bradstreet Number(s)	a. 00-851-3152	b. N/A
3.8 EPA Identification Number(s) (RCRA I.D. No.)	a. CAT000624122	b. N/A
3.9 NPDES Permit Number(s)	a. CA0003271	b. N/A
3.10 Receiving Stream or Water Body (see instructions for 3.10)	a. N/A	b. N/A
3.11	a.	b.
	N/A	N/A

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R
PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

(This space for your optional use.)
1,1,1-Trichloroethane
Valencia

1. PUBLICLY OWNED TREATMENT WORKS (POTWs)

1.1 POTW name		1.2 POTW name	
Valencia Wastewater Treatment Plant		N/A	
Street Address: 28185 The Old Road		Street Address:	
City: Valencia	County: Los Angeles	City:	County:
State: CA	Zip: 91355	State:	Zip:

2. OTHER OFF-SITE LOCATIONS (DO NOT REPORT LOCATIONS TO WHICH WASTES ARE SENT ONLY FOR RECYCLING OR REUSE).

2.1 Off-site location name		2.2 Off-site location name	
Cameron Yakima		N/A	
EPA Identification Number (RCRA ID. No.): WAD009477175		EPA Identification Number (RCRA ID. No.):	
Street Address: 1414 S. 1st Street		Street Address:	
City: Yakima	County: Yakima	City:	County:
State: Washington	Zip: 98901	State:	Zip:
Is location under control of reporting facility or parent company? [ ] Yes [X] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.3 Off-site location name		2.4 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.):		EPA Identification Number (RCRA ID. No.):	
Street Address:		Street Address:	
City:	County:	City:	County:
State:	Zip:	State:	Zip:
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

2.5 Off-site location name		2.6 Off-site location name	
N/A		N/A	
EPA Identification Number (RCRA ID. No.):		EPA Identification Number (RCRA ID. No.):	
Street Address:		Street Address:	
City:	County:	City:	County:
State:	Zip:	State:	Zip:
Is location under control of reporting facility or parent company? [ ] Yes [ ] No		Is location under control of reporting facility or parent company? [ ] Yes [ ] No	

[ ] Check if additional off-site locations are attached. Number of attachments: _____

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R

PART III. CHEMICAL-SPECIFIC INFORMATION

(This space for your optional use.)
1,1,1-Trichloroethane
Valencia

1. CHEMICAL IDENTITY (Do not complete this section if you complete Section 2.)

1.1	[Reserved]
1.2	CAS Number (Enter only one number exactly as it appears on the 313 list. Enter NA if reporting a chemical category.) 71-55-6
1.3	Chemical or Chemical Category Name (Enter only one name exactly as it appears on the 313 list.) 1,1,1-Trichloroethane
1.4	Generic Chemical Name (Complete only if Part I, Section 1.1 is checked "Yes." Generic name must be structurally descriptive.)

2. MIXTURE COMPONENT IDENTITY (Do not complete this section if you complete Section 1.)

Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation).)

3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.)

3.1	Manufacture the chemical:	a. [ ] Produce b. [ ] Import	If produce or import: c. [ ] For on-site use/processing e. [ ] As a byproduct	d. [ ] For sale/distribution f. [ ] As an impurity
3.2	Process the chemical:	a. [ ] As a reactant d. [ ] Repackaging only	b. [ ] As a formulation component	c. [ ] As an article component
3.3	Otherwise use the chemical:	a. [ ] As a chemical processing aid	b. [ ] As a manufacturing aid	c. [X] Ancillary or other use

4. MAXIMUM AMOUNT OF THE CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

[0][4] (enter code)

5. RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE

You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)			A. Total Release (pounds/year) A.1 Reporting Ranges 1-10	11-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1 Fugitive or non-point air emissions		5.1a	[ ]	[ ]	[ ]	9600	5.1b [0]	
5.2 Stack or point air emissions		5.2a	[ ]	[ ]	[ ]	3200	5.2b [0]	
5.3 Discharges to receiving streams or water bodies	5.3.1 [ ]	5.3.1a	[ ]	[ ]	[ ]	N/A	5.3.1b [ ]	5.3.1c N/A %
(Enter letter code from Part I Section 3.10 for stream(s) in the box provided.)	5.3.2 [ ]	5.3.2a	[ ]	[ ]	[ ]	N/A	5.3.2b [ ]	5.3.2c N/A %
N/A	5.3.3 [ ]	5.3.3a	[ ]	[ ]	[ ]	N/A	5.3.3b [ ]	5.3.3c N/A %
5.4 Underground injection		5.4a	[ ]	[ ]	[ ]	N/A	5.4b [ ]	
5.5 Releases to land		5.5.1a	[ ]	[ ]	[ ]	N/A	5.5.1b [ ]	
5.5.1 On-site landfill		5.5.2a	[ ]	[ ]	[ ]	N/A	5.5.2b [ ]	
5.5.2 Land treatment/application farming		5.5.3a	[ ]	[ ]	[ ]	N/A	5.5.3b [ ]	
5.5.3 Surface impoundment		5.5.4a	[ ]	[ ]	[ ]	N/A	5.5.4b [ ]	
5.5.4 Other disposal								

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R

PART III. CHEMICAL-SPECIFIC INFORMATION (continued)

(This space for your optional use.)

1,1,1-Trichloroethane
Valencia

6. TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS

You may report transfers of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)	A. Total Transfers (pounds/yr) A.1 Reporting Ranges 1-10	11-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)
6.1.1 Discharge to POTW (enter location number from Part II, Section 1.) 1 1	[ ]	[ ]	[ ]	0	6.1.1b 0	
6.2.1 Other off-site location (enter location number from Part II, Section 2.) 2 1	[X]	[ ]	[ ]		6.2.1b 0	6.2.1c M 5 0
6.2.2 Other off-site location (enter location number from Part II, Section 2.) 2	[ ]	[ ]	[ ]	N/A	6.2.2b	6.2.2c M
6.2.3 Other off-site location (enter location number from Part II, Section 2.) 2	[ ]	[ ]	[ ]	N/A	6.2.3b	6.2.3c M

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

7. WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check if no on-site treatment is applied to any waste stream containing the chemical or chemical catagory

A. General Wastestream (enter code)	B. Treatment Method (enter code)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes	No
7.1a W	7.1b P 4 1	7.1c 4	7.1d [ ]	7.1e 98 %	7.1f [ ]	[X]
7.2a A	7.2b A 0 4	7.2c 3	7.2d [ ]	7.2e 90 %	7.2f [ ]	[X]
7.3a N/A	7.3b	7.3c	7.3d [ ]	7.3e %	7.3f [ ]	[ ]
7.4a	7.4b	7.4c	7.4d [ ]	7.4e %	7.4f [ ]	[ ]
7.5a	7.5b	7.5c	7.5d [ ]	7.5e %	7.5f [ ]	[ ]
7.6a	7.6b	7.6c	7.6d [ ]	7.6e %	7.6f [ ]	[ ]
7.7a	7.7b	7.7c	7.7d [ ]	7.7e %	7.7f [ ]	[ ]
7.8a	7.8b	7.8c	7.8d [ ]	7.8e %	7.8f [ ]	[ ]
7.9a	7.9b	7.9c	7.9d [ ]	7.9e %	7.9f [ ]	[ ]
7.10a	7.10b	7.10c	7.10d [ ]	7.10e %	7.10f [ ]	[ ]

[ ] (Check if additional information is provided on Part IV-Supplemental Information.)

8. POLLUTION PREVENTION: OPTIONAL INFORMATION ON WASTE MINIMIZATION

(Indicate actions taken to reduce the amount of the chemical being released from the facility. See the instructions for codes items and an explanation of what information to include.)

A. Type of Modification (enter code)	B. Quantity of the Chemical in Wastes Prior to Treatment or Disposal: Current reporting year (pounds/year)	Prior year (pounds/year)	Or percent change (Check (+) or (-))	C. Index	D. Reason for Action (enter code)
M1			+ -		R1

(Important: Type or print; read instructions before completing form.)

EPA

EPA FORM R
PART IV. SUPPLEMENTAL INFORMATION

Use this section if you need additional space for answers to questions in Part III. Number the lines used sequentially from lines in prior sections (e.g., 5.3.4, 6.1.2, 7.11)

(This space for your optional use.)

1,1,1-Trichloroethane
Valencia

ADDITIONAL INFORMATION ON RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE (Part III, Section 5.3)

You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)			A. Total Release (pounds/yr) A.1 Reporting Ranges 1-10	11-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code in box provided)	C.% From Stormwater
5.3 Discharges to receiving streams or water bodies	5.3.___	5.3.___a	[ ]	[ ]	[ ]		5.3.___b	5.3.___c %
(Enter letter code from Part I Section 3.10 for stream(s) in the box provided.)	5.3.___	5.3.___a	[ ]	[ ]	[ ]		5.3.___b	5.3.___c %
N/A	5.3.___	5.3.___a	[ ]	[ ]	[ ]		5.3.___b	5.3.___c %

ADDITIONAL INFORMATION ON TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS (Part III, Section 6)

You may report transfers of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)	A.Total Transfers (pounds/yr) A.1 Reporting Ranges 1-10	11-499	500-999	A.2 Enter Estimate	B. Basis of Estimate (enter code in box provided)	C. Type of Treatment/ Disposal (enter code in box provided)
6.1. N/A Discharge to POTW (enter location number from Part II, Section 1.) 1	[ ]	[ ]	[ ]		6.1.___b	
6.2.___ Other off-site location (enter location number from Part II, Section 2.) 2	[ ]	[ ]	[ ]		6.2.___b	6.2.___c M
6.2.___ Other off-site location (enter location number from Part II, Section 2.) 2	[ ]	[ ]	[ ]		6.2.___b	6.2.___c M
6.2.___ Other off-site location (enter location number from Part II, Section 2.) 2	[ ]	[ ]	[ ]		6.2.___b	6.2.___c M

ADDITIONAL INFORMATION ON WASTE TREATMENT METHODS AND EFFICIENCY (Part III, Section 7)

A. General Wastestream (enter code in box provided)	B. Treatment Method (enter code in box provided)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes	No
7. N/A a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]
7.___a	7.___b	7.___c	7.___d [ ]	7.___e %	7.___f [ ]	[ ]

EXHIBIT H

HAZARDOUS SUBSTANCE SAFETY PROCEDURES

RESPONSE TO QUESTION #11 PAGE 10

350123

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1.0 PURPOSE

The purpose of this Hazardous Substance Safety Procedure is to inform all employees that may be exposed to hazardous materials, the correct handling techniques, Potential hazards, employee training and employee rights to ensure the safety of HR personnel and our environment.

2.0 SCOPE

Current state laws require that all personnel who may be exposed to hazardous materials or wastes during the performance of their job be informed of the potential hazards, specific personal protective equipment, be trained in the use of protective equipment, the safe handling of hazardous substances and be informed of their rights.

The Hazardous Substance Safety Procedure is designed to be used with an audio-visual training program. All personnel requiring training must also read this safety procedure. Comprehensive training records will be kept in the Safety Department. Training must be completed prior to an assignment to an area in which there is the potential for exposure to a hazardous material for which the employee has not received previous information or training. Training will be updated annually. All training verification will consist of employee signature on a HR form. Annual training will consist of personal protective equipment use and storage, and rereading the Safety Procedures. Additional training will be conducted whenever HR receives new or revised Material Safety Data Sheets, within 30 days, if the new information indicates significantly increased risks to or measures necessary, to protect employee health as compared to previous data.

3.0 REFERENCES

A. Title 8, California Administrative Code, Subchapter 7 General Industry Safety Orders.

B. Title 8, California Administrative Code, Subchapter 7 Article 110 Special Hazardous Substances and Processes.

C. California Labor Code, Division 5 Chapter 2.5, Hazardous Substances Information and Training.

D. 29 Code of Federal Regulations Parts 1900 - 1910, Chapter XVII.

E. 40 Code of Federal Regulations, Parts 261-263, 413.

F. 49 Code of Federal Regulations, Parts 172 - 173.

4.0 DEFINITIONS

A. ANSI - American National Standards Institute

B. Cal-OSHA - California Occupational Safety and Health Administration

C. Carcinogen, Carcinogenic - Any substance that causes the development of cancerous growths in living tissue.

D. CAS Number - The unique identification number assigned by the Chemical Abstracts Service to specific chemical substances.

E. Caustic - Any substances that can burn human tissue by chemical action.

F. Common Name - Means any designation or identification such as a code name, code number, trade name or brand name used to identify a substance other than by its chemical name.

G. Contingency Plan - A document specifying an organized, planned and coordinated course of action to be followed in case of emergency; i.e., fire, explosion, release of hazardous material or waste which would threaten human health, the environment or facility safety.

H. Corrosive - Any solid, liquid or gaseous substance that burns, irritates or destructively attacks human tissue by chemical action.

I. Dermatitis - Skin irritation often characterized by redness, rash and/or inflammation of the affected area.

J. Disposal - Discharging of pretreated waste to the sewer system or commercial hauling by a registered waste carrier.

K. DOHS - Department of Health Services.

L. DOT - Department of Transportation.

M. EPA - Environmental Protection Agency.

N. Exposure or Expose - Means any situation arising from a work operation where an employee may ingest, inhale, absorb through skin, or eyes, or otherwise come in contact with a hazardous substance.

O. Generator - A generator of hazardous waste in the course of normal operation.

P. Hazardous Material - Any material or substance which, if improperly handled, can be damaging to the health and well being of man. Such materials cover a broad range of types which may be classified, but not limited to: poisons or toxic agents, corrosive chemicals, flammable materials, explosives, organic waste, radioactive chemicals.

Q. Hazardous Substance - Includes hazardous materials and hazardous waste.

R. Hazardous Waste - Any waste material or mixture of wastes which may cause increased mortality or serious illness or pose a substantial hazard to human health or the environment when not properly handled. This includes hazardous materials when removed from use.

S. Hazardous Waste Manifest - The State and Federal required shipping document used to identify the quantity, Department of Transportation shipping name, Environmental Protection Agency chemical or technical names, hazard class, origin, routing and destination of a hazardous waste shipment.

T. Incompatible - Unsuitable for mixing with another waste or material under uncontrolled circumstances where the mixing might result in an explosion, violent chemical reaction, fire extreme heat, formation of a toxic substance or other conditions which might endanger public health and safety.

U. Irritant - Any non-corrosive substance which on immediate, prolonged or repeated contact with normal human tissue will produce local inflammation.

V. Mixture - Means any solution of two or more substances when at least one is a hazardous substance.

W. MSDS - Material Safety Data Sheet

MESA - Mining Enforcement Safety Administration

X. NIOSH - National Institute for Occupational Safety and Health.

Y. OSHA - Occupational Safety and Health Act (Federal).

Z. Reportable Quantity - One pound of any hazardous material or waste, unless otherwise designated within Department of Transportation Shipping Regulations, 49 CFR 172.101.

AA. Respirator - A filtering device worn over the mouth or nose or both, to protect the respiratory tract, and approved by Mining Enforcement Safety Administration, National Institute for Occupational Safety and Health or both.

AB. Shall - is an expression of a mandatory statement.

AC. Spill - The accidental spilling, leaking, pumping, pouring, discharging, emitting or dumping of hazardous waste or material.

AD. Toxic - The ability of a substance to cause damage to living tissue, impairment of the central nervous system, severe illness, or, in extreme cases, death when ingested, inhaled or absorbed by the skin.

AE. Toxicology - The branch of medical science devoted to the study of poisons, including their mode of action, effects, detection and counter measures.

AF. Treatment - Any method, technique or process designed to change the physical chemical or biological character/composition of any hazardous waste, or to recover energy or material resources from the waste, or to render such waste as non-hazardous or less hazardous; safer to store, transport or dispose of; or able for recovery, storage or reduction in volume.

AG. Permissible Exposure Limit (PEL) - is the maximum permitted 8 hour time weighted average concentration of an airborne contaminant.

AH. Time Weighted Average (TWA) - is an employee exposure, as measured or calculated by a formula, to an airborne contaminant during an 8 hour workday.

AI. Threshold Limit Valve (TLV) - is a set of standards established by the American Conference of Governmental Industrial Hygienists (ACGIH) for concentrations of airborne substances in workroom air. Intended to serve as a guide in control of health hazards.

AJ. Threshold Limit Value (LD-50) Rule - is the dose required to kill 1/2 of a group. (Test are conducted with rats).

AK. Fume - is solid condensation particles of fine diameter, commonly generated from molten metal as metal fumes.

AL. Mist - is liquid particulate matter (fog).

AM. Vapor air contamination caused by evaporation of liquid or solid.

5.0 MATERIAL SAFETY DATA SHEETS

5.1 As required by 29CFR1910.1200, a Material Safety Data Sheet (MSDS) must be supplied by each chemical manufacturer or supplier providing HR with hazardous materials. The Safety/Training Department maintains copies of all MSDS's.

Each employee has the right:

A. To personally receive information regarding hazardous substances to which they may be exposed.

B. For their physician or collective bargaining agent to receive information regarding hazardous substances to which the employee may be exposed.

C. Against discharge or other discrimination due to the employee's exercise of the rights afforded pursuant to the provisions of the act.

D. Employees shall be informed of the requirements of 29CFR1910.1200.

E. Employees shall be informed of any operation in their work area where hazardous substances are present.

F. Employees shall be informed of the location and availability of the written Hazard Communications program.

G. Employees shall be trained in the methods and observations that may be used to detect the presence or release of a hazardous substance in work area.

H. Employees shall be trained in the physical and health hazards of the substances of the work area, and the measures they can take to protect themselves from these hazards, including specific procedures HR has implemented to protect employees from exposure to hazardous substances, such as appropriate work practices, emergency procedures, and personal protective equipment to be used.

I. Employees shall be trained in the details of the Hazard Communication program developed by HR, including an explanation of the labeling system and the Material Safety Data Sheet and how the employees can obtain and use the appropriate hazard information.

An example of a Material Safety Data Sheet may be found in Figure 1.

The procedure for requesting information regarding hazardous substances is specified in Section 5.2.

Manufacturers may use different form, but the information required on each data sheet is basically the same. The major categories include:

Section

I Manufacturers Name and Address
- Emergency Telephone Numbers
- Chemical Name and Synonyms
- Chemical Family
- Formula

Section

II Hazardous Ingredients
- Whether paint, preservative or solvent
- Alloys and Metallic Coatings
- Threshold Level Valve (TLV)
- Percentage of Mixture (%)
- Hazardous Mixtures of other liquids, solids or gases.

Section

III Physical Data
- Boiling Point
- Vapor Pressure
- Specific Gravity
- Percentage Volatile by Volume
- Evaporation Rate
- Appearance and odor

Section

IV Fire and Explosion Hazard Data
- Flash Point and Method Used
- Flammable or Explosive Limits
- Extinguishing Agent
- Special Firefighting Procedures (and precautions)
- Unusual Fire and Explosive Hazards

Section

V Health Hazard Data
- Threshold Limit Value
- Effects of Over Exposure
- Emergency and First Aid Procedures

Section

VI Reactivity Data
- Stability
- Incompatibility
- Hazardous Decomposition Products
- Hazardous Polymerization

Section

VII Spill or Leak Procedures
- Steps to be taken in case material is released or spilled
- Waste Disposal Methods

Section

VIII Special Protection Information
- Respiratory Protection
- Ventilation
- Protective Gloves
- Eye Protection

Section

IX Special Precautions
- Taken in Handling or Storage
- Other precautions

The Safety/Training Department shall keep the MSDS's up to date and shall inform employee's on a timely basis not to exceed 30 days after receipt, if the new information indicates significantly increased risks to, or measures necessary to protect employee health as compared to MSDS's previously provided.

5.2 Request Procedure for Material Safety Data Sheets

5.2.1 Purpose - To establish the procedure for the issuance and record keeping for Material Safety Data Sheets on each hazardous substance to which an employee may be exposed during the course of his job.

5.2.2 Scope - This procedure shall apply to all employees of HR Textron.

5.2.3 Policy - It is the policy of HR to furnish employees with an explanation of what an MSDS is, provide employees' the contents of MSDS data for that hazardous substance, and shall train employees as outlined in the MSDS:

Health hazards associated with the use of the hazardous substance or mixture.

Proper precautions for handling, necessary personal protective equipment or other safety precautions necessary to prevent or minimize exposure to the hazardous substance.

The emergency procedures for spills, fire, disposal and first aid.

5.2.4 Responsibility - The Safety Department shall be responsible for providing current employees and all new employees with a copy of the Hazardous Substance Safety Procedure.

6.0 HANDLING PROCEDURES

6.1 General Safety

Good housekeeping practices, with particular attention to hazardous substances, greatly contribute to facility, environmental and personnel safety. The HR Safety Manual outlines standard practice and procedures. The safety of each department is the responsibility of its direct supervisor, the responsibility is shared by each employee in the handling of hazardous substances and processes and to use the provided safety equipment.

6.2 Personal Protection

Personal protective equipment for eyes, face head and extremities, protective clothing, respiratory devices, and protective shields and barriers shall be provided, used and maintained in a sanitary and reliable condition wherever it is necessary by reason of hazards, radiological hazards, or mechanical irritants encountered in a manner capable of causing injury or impairment in the function of any part of the body through absorption, inhalation or physical contact.

The MSDS Training and Information Program will familiarize the employee with the hazardous material to be handled and the potential hazards involved. The training program will specify necessary personal protective equipment, train employee's in the use, sanitation and storage of the personal protective equipment. Whenever personal protective equipment is required, it shall be provided, maintained or replaced by the company. The department supervisors shall assure the equipment is in good repair and shall be responsible for the proper and appropriate use of all personal protective equipment. Table 1 is a guide that suggests safety equipment for use with various hazardous substances used at HR. Safety equipment shall be specified by the Safety Department.

6.3 Respiratory Protection

All personnel that may have a hazardous exposure to dusts, fumes, mists, vapors or gases as prescribed by OSHA or of such nature by inhalation as to result in, or have probability to result in injury, illness, disease, impairment, or loss of function will be trained in the use of, provided, and will use respiratory protective equipment.

Harmful exposures shall be prevented by engineering controls whenever feasible. Respiratory protective equipment, shall be in accordance with 29CFR1910.134 and will be used to prevent harmful exposures as follows:

A. During the time period necessary to install or implement feasible engineering controls.

B. Where feasible engineering controls and administrative controls fail to achieve full compliance.

6.3.1 Approved Equipment - Whenever respirators are required to be used to control harmful exposures, only respiratory equipment approved for that purpose shall be used and such equipment shall be approved by the Mining Enforcement and Safety Administration or the National Institute for Safety and Health. Only parts approved for the specific respirator system shall be used for replacement. Proper use and selection of respirators shall be made in accordance with the American National Standards Institute, Z88.2-1969.

The Safety Department will specify the appropriate equipment, and the individual issuing them shall be adequately instructed to assure that the correct respirator is used.

Appropriate surveillance of environmental conditions in the work area, such as increases in exposure concentration or the introduction of other toxic substances or other conditions which increase the degree of employee exposure or stress shall be maintained.

The effectiveness of the program shall be evaluated at regular intervals.

6.3.2 Education and Training -- Employees shall be instructed and trained in the need, use, sanitary care, and limitations of such respiratory equipment as any employee may have the occasion to use. Respirators shall be inspected before each use and shall not be worn when conditions prevent a good gas-tight face seal. Every respirator wearer shall be instructed in how to fit and test respiratory equipment. Employees requiring the use of respirators shall have a medical pulmonary function test performed and must pass this evaluation prior to assignment to a respirator area.

Education, training and pulmonary function tests are to be completed for all employees that require respirator use under normal conditions and that may require a respirator in the event of emergency.

Employees that do not qualify for respirator use shall not be assigned to a respirator area.

6.3.3 Maintenance and Sanitation - HR shall provide, repair or replace respiratory protective equipment as may be required due to wear and deterioration.

Respirators maintained for emergency use shall be inspected and sanitized after each use and inspected at least monthly. A record of the most recent inspection shall be maintained for the respirator and storage container and shall include the inspectors' identification, the date and respirator identification number.

HR will provide means for cleaning all respiratory protective equipment.

6.3.4 Emergency - In an atmosphere immediately hazardous to life or health, at least two persons equipped with approved respiratory equipment shall be on the job. Communication shall be maintained between both or all individuals present. Stand by persons, at least of which shall be in a location which will not be affected by any likely incidents, shall be present with suitable rescue equipment including self contained breathing apparatus.

6.4 Personal Decontamination Procedure

All personnel that may be exposed to hazardous materials, caustics or corrosives shall thoroughly wash with soap and water before eating, drinking or using toilet facilities. Directives as to authorized eating and smoking areas will be strictly adhered to for personal health, safety and overall facility safety.

6.4.1 Emergency Decontamination - Emergency eyewashes and emergency deluge showers are located throughout the facility and personnel who may be exposed to a hazardous material or hazardous waste should become familiar with those emergency stations closest to their work area. The Emergency Shower/ Eyewash Stations shall not be blocked and made accessible immediately.

6.5 Specific Hazards/Incompatible Substances

Many hazardous materials and hazardous wastes, as well as other chemicals, are considered to be incompatible when mixed with other materials or wastes - whenever such mixing would result in violent reaction, fire or explosion, produce toxic dust, mists, fumes or gases, extreme heat or pressure, or flammable fumes or gases. Some specific

examples of incompatible substances found at HR are given below, and a more comprehensive listing is provided in Figure 4.

Cyanide - If cyanide in any compounds, liquid or solid, contacts acids, a lethal cyanide gas may be released. This would be particularly dangerous in an enclosed area. If either sodium nitrate or ammonium nitrate mixes with cyanide, an explosive reaction could occur. Good housekeeping in areas where cyanide compounds are used is mandatory to avoid accidental mixing on the floor, wood grating or other work areas.

Acids - When strong acids and bases are mixed they will react violently and generate heat. Always add acid to water, never water to acid; special care to avoid splashing must be used. If powdered acids or bases are to be mixed with water, avoid inhaling the powder by using a face mask. Contact of acids with chemicals such as sodium hydroxide or ammonium hydroxide can generate explosive reactions.

Solvents - Only use solvents with proper ventilation. When applying solvents by hand, including acetone, work in well ventilated areas. Do not use around open flame, ignition source, or heat source.

When using very volitile solvents (such as freon), only small amounts should be used at one time. When working on large parts, wipe one small sections at a time. Repeated use of solvents can remove oil from the skin. If this becomes a problem, protective oil is available.

6.6 Flammable Liquids

Flammable liquids, when brought inside an HR facility, will be in an approved safety can. Bulk flammable liquids are stored in the Flammable Liquids Compounds. Metal, 55 gallon drums will be electrically bonded, have explosion proof bungs installed, have a nonferrous spigot and have a drip pan.

Departments requiring use of flammable liquids will transfer the liquid from the 55 gallon drum to a 5 gallon approved safety transfer can. The liquid may then be brought into the facility and transferred to approved self closing rinse tanks, plunger cans or bench cans. All approved containers will be plainly identified as to contents and appropriate hazard warnings. Safety cans shall not be altered: i.e., removal of spark arrestor screen, self-closing caps or lids wired open.

Flammable liquids shall not be used in confined spaces without obtaining approval from the Safety Department.

Flammable liquids shall not be used to wash floors, ceilings, walls, furniture, equipment, machines or machine parts unless ventilation is provided and maintained. No ignition sources will be permitted in the area.

Nonflammables, such as 1,1,1 trichloroethane or trichlorotrifluoroethane, (freon) shall not be stored in fire safety cans.

7.0 STORAGE, LABELING AND RECORD KEEPING

7.1 Storage Procedure - Hazardous Materials/Chemicals

Several different chemicals are stored in Chemical Storage. Special care must be used to assure proper handling of these materials. Maintenance personnel handling these chemicals should read and follow the recommended Storage and Handling Procedures included in the Material Safety Data Sheets.

7.2 Storage Procedures - Hazardous Waste

The law prohibits the hazardous wastes generated at HR from being disposed of into the sewer unless standards defining concentration limits are met (refer to Process Engineering Report Number 316, "Hazardous Substance Management Legislation Summary"). It is therefore necessary to store the majority of hazardous wastes until they can be hauled away by a licensed transporter to a licensed disposal site (landfill), or licensed recycler.

7.2.1 All hazardous wastes shall be stored within the fenced area of the storage yard, and within the locked area on the eastern side of the yard.

7.2.2 Containers holding ignitable or reactive waste be kept at least 50 feet away from the property line.

7.2.3 Maintenance shall check daily for leaking or deteriorated containers, and to ensure proper storage. If a container holding hazardous waste is not in good condition, or if its begins to leak, the waste must be transferred to another container or managed in a way to prevent its release.

7.2.4 Containers may not be used which are made of or lined with materials which will react with, or are incompatible with the waste, such that the ability of the container to contain the waste is impaired.

7.2.5 Hazardous waste must not be placed in an un-washed container that previously held an incompatible waste or material. If question arises as to incompatibility, contact the Safety Department for information (refer also to Figure 4).

7.2.6 Containers holding hazardous waste must be kept closed during storage, except when adding or removing wastes.

7.2.7 Any leakage or spillage shall be reported IMMEDIATELY to the Mainte-

nance Department to assure proper and safe handling and disposal. Spilled or leaked waste must be removed as soon as possible. If an emergency situation develops, the Emergency Coordinator must be contacted immediately (see Section 2.0, Para. 4.2.1)

7.2.8 Hazardous waste shall not be stored on site longer than 90 days.

7.3 Labeling Procedures

7.3.1 Labeling for Storage - Accurate labeling of all containers of hazardous material and waste is critical to the assurance of safe handling and storage, as well as for proper disposal. It is the responsibility of the Maintenance Department to maintain these labels in legible form. In order to do this they must be provided with accurate information of any problems (i.e., missing or unreadable labels.

All chemicals, including those considered to be hazardous materials, are received with clear labels already affixed. The information provided has typically the common name of the material, the chemical constituents, and the hazard class (e.g. toxic, corrosive, etc.).

All containers within HR shall be labeled as to the contents of the container and the appropriate hazard warnings. Labels may be obtained from the Facilities Department.

Hazardous waste shall be labeled by the Facilities Department. At the very least, the information provided shall include the contents (e.g., OHKITE 126) and the date on which accumulation began. The words "Hazardous Waste" must be clearly marked or displayed on each container.

7.3.2 Labeling for Transport - Regulations published and enforced by both EPA and DOT require that anyone offering hazardous waste for transport must comply with specific manifesting procedures (40CFR262.20). This information must be contained in the document entitle the "Hazardous Waste Manifest" (HWM). A "Uniform Hazardous Waste Manifest" form has been developed by the State of California, and the information required therein is self-explanatory (refer to Figure 5).

The generator must designate the treatment, storage and disposal (TSD) facility which is licensed to handle the waste described on the manifest. The determination is the responsibility of the Maintenance Department. The form also allows for designation of an alternate TSD facility which can accept the waste. This provides the hauler with a second facility where the waste may be delivered in the event it cannot be delivered to the first TSD. If the transporter

is unable to deliver the hazardous waste to either the designated or the alternate facility, the generator must either designate another facility or instruct the transporter to return the waste.

Table 2 provides a list of the information required by the Department of Transportation (DOT). This information must be provided to the transporter, and is required on the HWM.

7.3.3 NFPA Area Hazard Identification - A nationally recognized Hazard Identification Coding System is used to identify potentially hazardous areas for the benefit of employees and public emergency services personnel.

The signals are diamond shape with four boxes or RED, YELLOW, BLUE and WHITE. The Code is as follows:

BLUE Health Hazard	RED Fire Hazard
4-Deadly	4-Below 73 Degrees F.
3-Extreme Danger	3-Below 100 Degrees F.
2-Hazardous	2-Below 200 Degrees F.
1-Slightly Hazardous	1-Above 200 Degrees F.
0-Normal Material	0-Will Not Burn

WHITE Specific Hazard	YELLOW Reactivity
OXY-Oxidizer	4-May detonate
ACID-Acid	3-Shock and Heat may detonate
ALK-Alkali	2-Violent chemical change
COR-Corrosive	1-Unstable is heated
Use No Water	0-Stable
Radiation Hazard	

The numerical signals will be established from the Substance Material Safety Data Sheet.

In areas containing several potentially hazardous substances, the signals will reflect the most hazardous elements to which individuals may be exposed.

7.4 Record Keeping

7.4.1 Introduction - The Facilities Department shall be responsible for maintaining the necessary records on hazardous waste material (HWM).

7.4.2 Hazardous Waste Manifest Records - The standard Hazardous Waste Manifest form contains six copies. Two copies are retained by HR, one of these must be sent to DOHS, and the second must be kept at the plant of at least three years. The remaining copies must be given to the transporter. The remaining copies, the hauler and the disposal facility (TSDF) each keep one copy, and the TSDF must send one copy to DOHS and one copy to HR within 15 days.

7.4.3 Exception Reporting - If a copy of the manifest is not returned to HR signed by the operator of the TSDF within 35 days of transport, the maintenance department must contact the transporter and/or the TSDF to determine the status of the hazardous waste. Records should be kept of these contracts.

If a signed copy of the manifest has not been received from the TSDF within 45 days of the date of initial transport, an exception report must be submitted to the EPA Regional Administration. This report must include:

A legible copy of the manifest for which the generator does not have confirmation of delivery:

A cover letter signed by the generator explaining the efforts taken to locate the hazardous waste and the results of those efforts.

HR TEXTRON
FACILITIES ENGINEERING

1,1,1 TRICHLOROETHANE

MONITORING RECORDS

PROCEDURE No. 001

PREPARED BY _____ DATE 3-21-90

APPROVED BY _____ DATE 3/26/90

APPROVED BY T.A. Swigin DATE 4/3/90

APPROVED BY W.M. Moses DATE 4-3-90

REV. STATUS		001								
PAGE No.		2								
REV. STATUS										
PAGE No.										

REVISION PAGE
HR TEXTRON
FACILITIES ENGINEERING

Revision Number	Date	Page	Revision Procedure No. 001
001	3-21-90	4	A new form has been introduced. Form REV.2/90
		2	Paragraph 4.4.3 was added
		2	Paragraph 4.4.9 Sign off was removed

1.0 Scope:

1.1 The purpose of this document is to establish guidelines to be followed by maintenance personnel at the Pacoima and Valencia facilities which will provide monitoring records as required by the South Coast Air Quality Management District; ie, AB 2588.

1.2 The purpose of the monitoring records is to more accurately define the quantity of 1,1,1 Trichloroethane emissions into the atmosphere.

2.0 Definition:

2.1 1,1,1 Trichloroethane; aka, TCA, Methyl Chloroform. A CFC (chloroflurocarbon) or ozone depleter. A degreaser solvent used in HR Textron for the purpose of cleaning parts, predominantly in ultrasonic/vapor degreaser equipment.

2.2 South Coast Air Management District (SCAQMD). The local governing agency controlling rules and permits.

2.3 1,1,1 Trichloroethane (TCA) Usage Record. The HR Textron form, 8 1/2" x 11", used to maintain records of movement and emissions of subject .

3.0 Requirements:

3.1 The form is to be initiated weekly at each site. A new form will be initiated on the morning on the first day of the workweek. The last weeks form shall be turned into the Facilities Engineering office each day that a new form is initiated. The old sheet shall be properly filled out and signed off by a maintenance supervisor prior to submission.

3.2 New forms may be obtained from the Facilities engineering office.

3.3 Anyone receiving, dispensing or removing the subject product shall be required to record the transaction in a timely manner and sign his/her name in the appropriate space.

4.0 Procedure:

4.1 Every work week, on Monday morning, or first working day of the week a new form shall be initiated by a cognizant supervisor.

4.2 An inventory of product being held in waste storage shall be taken immediately at the start of the shift of the day described in 4.1. The quantity must be as accurate as possible.

4.3 All transactions shall be recorded as they occur in the appropriate column

4.4 Fill out the form as follows:

1. Check off the appropriate block of the facility location upon initiation of each new form.

2. Enter the date of each and every activity (receiving new product, dispensing new product, inventory count of waste holding or the removal of waste product for recycling).

3. Enter degreaser permit number.

4. Enter number of gallons when distributor delivers new product. In addition, attach copy of deliveryman's meter reading.

5. Enter gallons dispensed from new product storage tank(s).

6. Enter number of gallons held in waste storage as outlined in 4.1 and 4.2.

7. Enter number of gallons removed by waste hauler. If hauler record available, attached copy to form.

8. Enter the signature of the person performing the activity.

9. Supervisors recap section. Supervisor shall enter date (to be accomplished weekly as last weeks form is being replaced by new week's form), add up all columns across the form and enter sum in appropriate column.

10. Enter any pertinent comments or remarks that might be helpful in the records.

11. Determine the amount of "lost" product by subtracting the inventory from the dispensed product, convert to pounds (multiply 11.10 x gallons = pounds) and enter quantity.

12. Supervisor sign off and forward to Facilities Engineering office.

HR. TEXTRON, INC

1,1,1, TRICHLOROETHANE (TCA) USAGE RECORD

VALENCIA ☐ (1) PACOIMA ☐

NOTE: 1 Gallon = 11.1 Pounds; Voc =4 wt.%

DATE	PERMIT No.	PURCHASE	DISPENSE	WASTE INVENTORY	REMOVE RECYCLE	SIGNATURE
(2)	(3)	(4)	(5)	(6)	(7)	(8)
TOTALS		(9)	(9)	(9)	(9)	(12)

COMMENTS/REMARKS:

(10)

NOTE: Each sheet must start with an accurate waste inventory

EMISSION (11) _____ LBS

HR TEXTRON
FACILITIES ENGINEERING

ION EXCHANGE SYSTEM

MAINTENANCE

PROCEDURE No. 003

PREPARED BY _____ DATE 2-4-91

APPROVED BY _____ DATE 2-5-91
W.C. Moses

APPROVED BY _____ DATE 1-5-91
R. Faxon.

APPROVED BY _____ DATE 1/14/91
T. Swiger

REV. STATUS					
PAGE No.					
REV. STATUS					
PAGE No.					

1.0 Scope:

1.1 The purpose of this document is to establish guidelines to be followed by maintenance personnel at the Pacoima and Valencia facilities to maintain the ion exchange systems in a proper operational condition.

1.2 It is the intention of this procedure, also, to detect early malfunctions and breakdowns of the equipment that may cause further complications to the system.

1.3 This procedure should take place every time the ion exchange resin tank is exhausted. The visible indication that tank is exhausted is that the system's quality light is off.

2.0 Definitions:

2.1 Cations: Positively charged ion
Anions: Negatively charged ion

2.2 Resin beads are small spherical plastic-like particles with many attached mobile cations, such as hydrogen (H+) or sodium (Na+); or containing immobile basic ions, such as amine (NH2). Both of these ions become chemically, but reversibly attached to dissolved ions in water.

2.3 Ion exchange is a treatment technology applicable to (1) metals in wastewaters where the metals are present as soluble ionic species; (2) nonmetallic anion; and (3) water-soluble, ionic organic compounds.

Ion exchange, when used in hazardous waste treatment, is a reversible process in which hazardous cations and/or anions are removed from an aqueous solution and replaced by nonhazardous cations and/or anions that are released from (exchanged with) ions originally attached to the resin beads.

3.0 The procedure to maintain the ion exchange system should be performed in two steps. The sequences of operations in these two steps are outlined in paragraphs 3.1 and 3.2.

3.1 Change of mixed bed:

In order to change passivate mixed beds an open top container is required. Approximately 1 gallon capacity.

The following sequences should be followed during this procedure: (see figure 1)

1) Turn systems pump off
2) Shut off inlet water valve (V1)
3) Shut off return water valve (V2)
4) Prepare the open top container to hold excess of water from hoses
5) Disconnect inlet water hose from the mixed bed cylinder. Drain hose into open top container. (3)
6) Disconnect return water hose from mixed bed cylinder. Drain excess water into open top container (3)
7) Remove exhausted mixed bed resin tank (cylinder).
8) Drain open top container water into cold rinse water tank in room (not shown).
9) Install new mixed bed resin tank (cylinder).
10) Reinstall inlet water hose. (1)
11) Reinstall return water hose. (2)
12) Turn on inlet water valve (V1).
13) Turn on return water valve (V2).
14) Turn on the pump.

3.2 Exhausted resin bead removal.

Caution: All material removed from the tank, including rinse water, not returned to the system is considered hazardous waste and must be handled/disposed of accordingly. The rinse tank is not hazardous waste.

In order to remove the resin beads from the exhausted mixed bed cylinder the following equipment is required. (see figure 2).

a) Water pump.

b) A container to submerge the water pump. Approximately 55 gallons capacity. The tank should be filled with water to 1/3 of its capacity. (Tank A)

c) A 55 gallons capacity tank filled with water. (Tank C)(Use a pre-rinsed San Joaquin Chemical Sanacor 2619 used drum).

The following sequences should be followed during this

procedure:

1) Connect a hose between the pump (tank A) and the outlet of the mix bed cylinder. Pump should be sub-merged into tank containing 1/3 of its capacity of water.
2) Plug off inlet of mixed bed cylinder (tank B)
3) Connect clean-out adapter to a 55 gallons tank C.
4) Connect a return hose (E) between tank A and tank C.Make sure that the end of the hose in tank C has a filter, in order to prevent bead return to the tank containing the Pump. (Tank A).

5) Plug in pump power to start cycle. There should be a constant flow of water from tank C to tank A. If thereis not, after the power has been turned on, turn the power off for couple of minutes to let the surrounding beads separate from the filter in tank C, then restart the cycle. If necessary, stop flow and remove breads from filter, then restart.

6) Flush empty tank three times with one quart of DI water each time. Disconnect pump hose after 30 minutes, and replace with an air hose to force the water out of the mixed bed cylinder.

7) Drain water out of drum C
8) Call California Purification and Recycling (or which ever recycling company will be used) to pick-up waste tank C.

4.0 The following sketches have been included for further clarification:

a) Procedure to change passivate mixed bed. Figure 1

b) Procedure to remove resin beads. Figure 2

If an unusual event occurs during these procedures contact the Facilities Engineering group for further assistance.

PROCEDURE TO CHANGE PASSIVATE MIXED BED

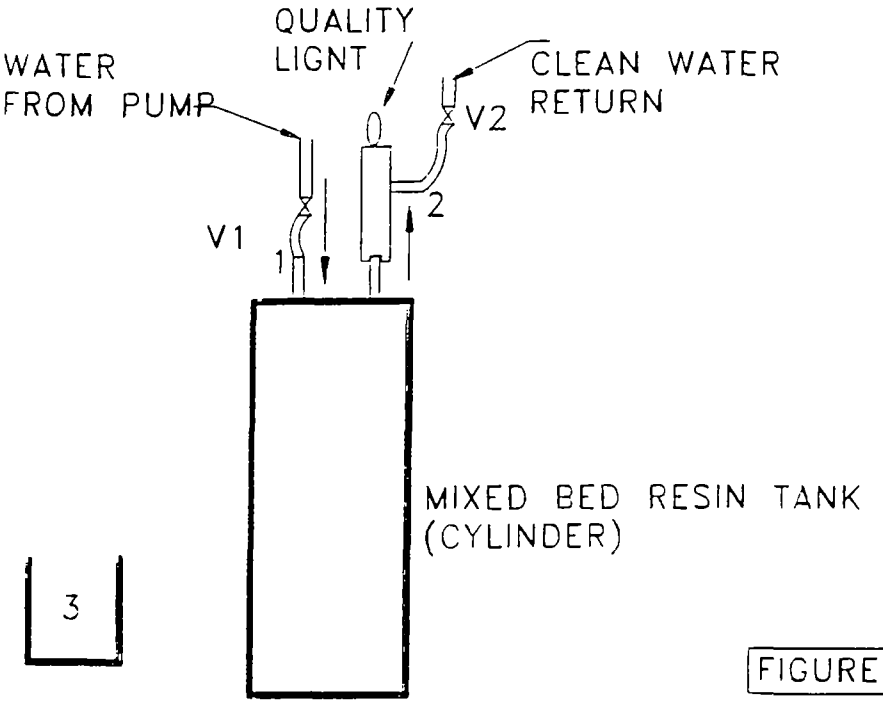

FIGURE 1

PROCEDURE TO REMOVE RESIN BEADS

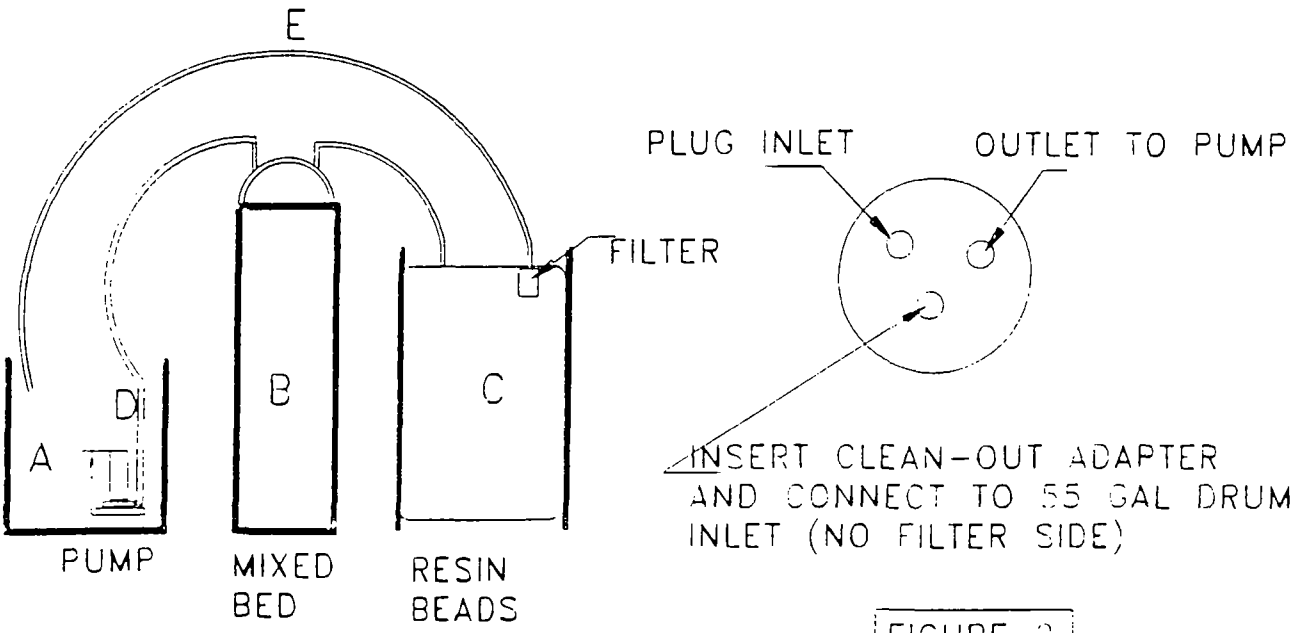

FIGURE 2

ION

EXHIBIT I

CHEMICAL INVENTORY

RESPONSE TO QUESTION #11 PAGE 10

350124

HR TEXTRON

HR Textron Inc.
a Subsidiary of Textron Inc.

25200 West Rye Can Road
Valencia, Calif. 9135 5
805/259-4030
TWX 910/336/1438 TE 1492

March 1. 1991

Davis R. Parsons
Fire Marshal
L.A. City Fire Department
Hazardous Materials Section
200 North Main Street
Room 990-B
Los Angeles, CA 90012

Re: Business Plan #3305-1, LAFD #01169-001-3

Dear Fire Marshal Parsons:

Enclosed please find a copy of HR Textron Inc. Chemical Inventory update for our Pacoima facility located at 10445 Glenoaks Blvd., Pacoima, CA 91331.

Please send all written correspondence regarding the Pacoima facility Chemical Inventory or Business Plan to my attention at the address below.

If you have any questions regarding this matter, please contact me at (805) 253-5338.

Sincerely,

Marcie M. McCain

Marcie M. McCain
Manager
Safety & Health
HR Textron Inc.
25200 W. Rye Canyon Road
Valencia, CA 91355-12165

MMM:lr

Enclosures

COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS MATERIALS OR WASTE ARE LOCATED AND SPECIFY THE LOCATION IN THIS BOX. READ ALL OF THE INSTRUCTIONS INCLUDED IN THIS PACKAGE AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT.

BUSINESS NAME HR Textron Inc. ADDRESS 10445 No. Glenoaks Blvd., Pacoima CA 91331

ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER Building 3

(1) Chemical or Product name Arrow 130 Oil — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [XX]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
110 (Circle) Lbs Gal Cu ft	110 (Circle) Lbs Gal Cu ft	B	1 X, 2, 3, 4, 5	S, L X, G	2A	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Ethylene glycol monobutyl ether	10 %	111-76-2
1-(3-Chloroallyl)-3,5,7-Triaza-	2 %	4080-31-3
1-Azoniaad amantane chloride	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name Sanasperse 2708 — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
55 (Circle) Lbs Gal Cu ft	55 (Circle) Lbs Gal Cu ft	B	1 X, 2, 3, 4, 5	S X, L, G	1D	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

1-Bromo-3-chlor-5,5-dimethyl	%	
hydantoin	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name Sodium hydroxide — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [X] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
55 (Circle) Lbs Gal Cu ft	55 (Circle) Lbs Gal Cu ft	B	1 X, 2, 3, 4, 5	S, L X, G	2A	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Sodium hydroxide	100 %	1310-73-2
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

Rev. 5/89

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COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS MATERIALS OR WASTE ARE LOCATED AND SPECIFY THE LOCATION IN THIS BOX. READ ALL OF THE INSTRUCTIONS INCLUDED IN THIS PACKAGE AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT.

BUSINESS NAME HR Textron Inc. ADDRESS 10445 Glenoaks Blvd., Pacoima CA 91331

ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER Bldg. 3

(1) Chemical or Product name _____ Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs Gal Cu ft	(Circle) Lbs Gal Cu ft		1 2 3 4 5	S L G		

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

	%	
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name Superkool 7857 Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs 80 Gal Cu ft	(Circle) Lbs 275 Gal Cu ft	B	1 X 2 3 4 5	S L X G	1B	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Petroleum oil, severly hydro-	85 %	64742-53-6
treated	%	64742-52-5
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name Brayco Micronic 756 Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs 110 Gal Cu ft	(Circle) Lbs 110 Gal Cu ft	B	1 X 2 3 4 5	S L X G	1B	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Tri-phenyl phosphate	0.5 %	115-86-60
Hydrotreated middle	90 %	64742-46-7
distillate solvent	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

FOR OFFICE USE ONLY: Insp. ID _____ Insp. Init _____ Date _____ Data Entry Init _____ Date _____

COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS MATERIALS OR WASTE ARE LOCATED AND SPECIFY THE LOCATION IN THIS BOX. READ ALL OF THE INSTRUCTIONS INCLUDED IN THIS PACKAGE AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT.

BUSINESS NAME HR Textron Inc. ADDRESS 10445 Glenoaks Blvd., Pacoima CA 91331

ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER Building 3

(1) Chemical or Product name Arrow 7588 Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) 225 Lbs Gal Cu ft	(Circle) 990 Lbs Gal Cu ft	B	1 X, 2, 3, 4, 5	S, L X, G	1C	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Highly refined petroleum oil	%	64741-96-4
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name Oakite HD 126 Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) 90 Lbs Gal Cu ft	(Circle) 110 Lbs Gal Cu ft	B	1 X, 2, 3, 4, 5	S, L X, G	2A	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Sodium carbonate	55 %	0000497198
Sodium hydroxide	25 %	0001310732
Tetrasodium pyrophosphate	15 %	0007722885

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name Cutzol EDM 250 Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) 200 Lbs Gal Cu ft	(Circle) 605 Lbs Gal Cu ft	B	1 X, 2, 3, 4, 5	S, L X, G	1B	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

	%	
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

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BUSINESS NAME HR Textron Inc. ADDRESS 10445 Glenoaks Blvd., Pacoima 91331

ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER Building 3

(1) Chemical or Product name Mentor 28 Petroleum Process Oil — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
150 (Circle) Lbs Gal Cu ft	150 (Circle) Lbs Gal Cu ft	B	1 ___ 2 X 3 ___ 4 ___ 5 ___	S ___ L X G ___	1B	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Chemically neutralized middle	100 %	64742-30-9
distillate petroleum	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ___ (14) Treatment & Disposal ___ ___ ___

(1) Chemical or Product name Excelene 5631 Petroleum Oil — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
300 (Circle) Lbs Gal Cu ft	880 (Circle) Lbs Gal Cu ft	B	1 ___ 2 X 3 ___ 4 ___ 5 ___	S ___ L X G ___	1B	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Petroleum Oil	85 %	64742-53-6
	%	64742-52-5
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ___ (14) Treatment & Disposal ___ ___ ___

(1) Chemical or Product name Oxygen — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [X] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
275 (Circle) Lbs Gal Cu ft	275 (Circle) Lbs Gal Cu ft	J	1 ___ 2 ___ 3 ___ 4 X 5 ___	S ___ L ___ G X	1A	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Oxygen	100 %	
	%	
	%	

(11) Storage Pressure: Above Standard [X] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ___ (14) Treatment & Disposal ___ ___ ___

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COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS MATERIALS OR WASTE ARE LOCATED AND SPECIFY THE LOCATION IN THIS BOX. READ ALL OF THE INSTRUCTIONS INCLUDED IN THIS PACKAGE AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT.

BUSINESS NAME HR Textron Inc. ADDRESS 10445 Glenoaks Blvd., Pacoima CA 91331

ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER Building 3

(1) Chemical or Product name _____ Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [X] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs Gal Cu ft	(Circle) Lbs Gal Cu ft		1 2 3 4 5	S L G		

(9) Hazardous Chemical Ingredients & percentage of each (10) CAS Numbers of each ingredient

	%	
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____

(1) Chemical or Product name Fremont 776 Low Temp Spray Cleaner Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs Gal Cu ft	(Circle) Lbs Gal Cu ft		1 2 3 4 5	S L G		
500 Lbs	500 Lbs	B	1 X	S X	1C	

(9) Hazardous Chemical Ingredients & percentage of each (10) CAS Numbers of each ingredient

Sodium metasilicate,	30 %	6834-92-0
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____

(1) Chemical or Product name NSS Concentrate Cleaner Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs Gal Cu ft	(Circle) Lbs Gal Cu ft		1 2 3 4 5	S L G		
60 Gal	60 Gal	B	1 X	L X	1C	365

(9) Hazardous Chemical Ingredients & percentage of each (10) CAS Numbers of each ingredient

2-Butoxy ethanol	%	111-76-2
Dipropylene glycol methyl ether	%	34590-94-8
sodium hydroxide	%	1310732

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____

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BUSINESS NAME HR Textron Inc. ADDRESS 10445 Glenoaks Blvd., Pacoima CA 91331

ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER Building 3

(1) Chemical or Product name Stoddard Solvent — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs / 5,000 Gal / Cu ft	(Circle) Lbs / 4300 Gal / Cu ft	A	1 X, 2, 3, 4, 5	S, L X, G	1B	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Stoddard Solvent	%	8052-41-3
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name 1,1,1-Trichloroethane — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [X] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs / 115 Gal / Cu ft	(Circle) Lbs / 2022 Gal / Cu ft	B	1 X, 2, 3, 4, 5	S, L X, G	1D	

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

1,1,1-Trichloroethane	100 %	71-55-6
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name _____ — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs / Gal / Cu ft	(Circle) Lbs / Gal / Cu ft		1, 2, 3, 4, 5	S, L, G		

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

	%	
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

FOR OFFICE USE ONLY: Insp. ID _____ Insp. Init _____ Date _____ Data Entry Init _____ Date _____

COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS MATERIALS OR WASTE ARE LOCATED AND SPECIFY THE LOCATION IN THIS BOX. READ ALL OF THE INSTRUCTIONS INCLUDED IN THIS PACKAGE AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT.

BUSINESS NAME HR Textron Inc. ADDRESS 10445 Glenoaks Blvd., Pacoima CA 91331

ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER Building 3

(1) Chemical or Product name Nitric Acid — Check if waste [ ]

(1A) Check if Extremely Hazardous [X] (1B) Check one: Pure [X] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs / Gal / Cu ft: 65 Gal	(Circle) Lbs / Gal / Cu ft: 1410 Gal	D	1 X, 2, 3, 4, 5	S, L X, G	2A	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Nitric Acid	100%	7697-37-2
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____

(1) Chemical or Product name _____ — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [X] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs / Gal / Cu ft	(Circle) Lbs / Gal / Cu ft		1, 2, 3, 4, 5	S, L, G		

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

	%	
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____

(1) Chemical or Product name Mobilmet Omicron Oil — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs / Gal / Cu ft: 900 Gal	(Circle) Lbs / Gal / Cu ft: 2090 Gal	B	1 X, 2, 3, 4, 5	S, L X, G	1B	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Refined mineral oils	95%	
Additives	5%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____

FOR OFFICE USE ONLY: Insp. ID _____ Insp. Init _____ Date _____ Data Entry Init _____ Date _____

COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS MATERIALS OR WASTE ARE LOCATED AND SPECIFY THE LOCATION IN THIS BOX. READ ALL OF THE INSTRUCTIONS INCLUDED IN THIS PACKAGE AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT.

BUSINESS NAME HR TEXTRON INC. ADDRESS 10445 GLENOAKS BLVD., PACOIMA CA 91331

ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER BUILDING THREE

(1) Chemical or Product name SODIUM BICARBONATE Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [X] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
55 (Circle) Lbs Gal Cu ft	55 (Circle) Lbs Gal Cu ft	B	1 X, 2, 3, 4, 5	S X, L, G	2A	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

SODIUM BICARBONATE	100 %	144-55-8
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name SHELL PELLA (R) OIL A Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
56 (Circle) Lbs Gal Cu ft	440 (Circle) Lbs Gal Cu ft	B	1 X, 2, 3, 4, 5	S, L X, G	1B	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

SHELL PELLA (R) OIL A	100 %	64742-46-7
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name _____ Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs Gal Cu ft	(Circle) Lbs Gal Cu ft		1, 2, 3, 4, 5	S, L, G		

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

	%	
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

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COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS MATERIALS OR WASTE ARE LOCATED AND SPECIFY THE LOCATION IN THIS BOX. READ ALL OF THE INSTRUCTIONS INCLUDED IN THIS PACKAGE AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT.

BUSINESS NAME HR Textron Inc. ADDRESS 10445 Glenoaks Blvd., Pacoima CA 91331

ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER Building 3

(1) Chemical or Product name Nitrogen — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [X] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
10,890 (Circle) Lbs Gal Cu ft	94,380 (Circle) Lbs Gal Cu ft	J	1 ___ 2 ___ 3 ___ 4 X 5 ___	S ___ L X G ___	1A	___

(9) Hazardous Chemical Ingredients & percentage of each: Nitrogen 100 %

(10) CAS Numbers of each ingredient: 7727-37-9

(11) Storage Pressure: Above Standard [X] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [X]

Waste only: (13) State waste Code ___ (14) Treatment & Disposal ___ ___ ___

(1) Chemical or Product name Anhydrous Ammonia — Check if waste [ ]

(1A) Check if Extremely Hazardous [X] (1B) Check one: Pure [X] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
600 (Circle) Lbs Gal Cu ft	1050 (Circle) Lbs Gal Cu ft	J	1 X 2 ___ 3 ___ 4 ___ 5 ___	S ___ L ___ G X	1C	___

(9) Hazardous Chemical Ingredients & percentage of each: Anhydrous Ammonia 100 %

(10) CAS Numbers of each ingredient: 7664-41-7

(11) Storage Pressure: Above Standard [X] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ___ (14) Treatment & Disposal ___ ___ ___

(1) Chemical or Product name Nitrogen — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [X] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
5620 (Circle) Lbs Gal Cu ft	77480 (Circle) Lbs Gal Cu ft	J	1 ___ 2 ___ 3 ___ 4 X 5 ___	S ___ L ___ G X	1A	365

(9) Hazardous Chemical Ingredients & percentage of each: Nitrogen 100 %

(10) CAS Numbers of each ingredient: 7727-37-9

(11) Storage Pressure: Above Standard [X] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ___ (14) Treatment & Disposal ___ ___ ___

FOR OFFICE USE ONLY: Insp. ID _____ Insp. Init _____ Date _____ Data Entry Init _____ Date _____

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BUSINESS NAME HR Textron Inc. ADDRESS 10445 Glenoaks Blvd., Pacoima CA 91331

ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER Building 3

(1) Chemical or Product name Mobilmet Gamma Oil — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs / 150 Gal / Cu ft	(Circle) Lbs / 495 Gal / Cu ft	B	1 X, 2, 3, 4, 5	S, L X, G	1B	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Sulfurized and compounded oils	90 %	
Additives	10 %	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____

(1) Chemical or Product name _____ — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs / Gal / Cu ft	(Circle) Lbs / Gal / Cu ft		1, 2, 3, 4, 5	S, L, G		

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

	%	
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____

(1) Chemical or Product name Mobilarama 245 Oil — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs / 75 Gal / Cu ft	(Circle) Lbs / 550 Gal / Cu ft	B	1 X, 2, 3, 4, 5	S, L X, G	1B	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Aliphatic Petroleum solvent	70 %	
Refined mineral oils	25 %	
Additives	10 %	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____

COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS MATERIALS OR WASTE ARE LOCATED AND SPECIFY THE LOCATION IN THIS BOX. READ ALL OF THE INSTRUCTIONS INCLUDED IN THIS PACKAGE AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT.

BUSINESS NAME HR TEXTRON INC. ADDRESS 10445 GLENOAKS BLVD., PACOIMA CA 91331

ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER BUILDING TWO

(1) Chemical or Product name 1,1,2-TRICHLOROTRIFLUOROETHANE Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [X] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
110 (Circle) Lbs Gal Cu ft	20,365 (Circle) Lbs Gal Cu ft	B	1 X 2 3 4 5	S L X G	1D	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

1,1,2-Trichlorotrifluoroethane	100%	76-13-1
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name Nitrogen Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [X] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
7260 (Circle) Lbs Gal Cu ft	7260 (Circle) Lbs Gal Cu ft	J	1 2 3 4 X 5	S L X G	1A	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Nitrogen	100%	7727-37-9
	%	
	%	

(11) Storage Pressure: Above Standard [X] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name Nitrogen Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [X] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
3060 (Circle) Lbs Gal Cu ft	3660 (Circle) Lbs Gal Cu ft	J	1 2 3 4 X 5	S L G X	1A	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

Nitrogen	100%	7727-37-9
	%	
	%	

(11) Storage Pressure: Above Standard [X] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

FOR OFFICE USE ONLY: Insp. ID _____ Insp. Init _____ Date _____ Data Entry Init _____ Date _____

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ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER BUILDING TWO

(1) Chemical or Product name Stoddard Solvent Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs / Gal / Cu ft	(Circle) Lbs / Gal / Cu ft					
150 Gal	200 Gal	A	1 X	S	1B	365
			2	L X		
			3			
			4			
			5	G		

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

	%	
Stoddard Solvent	%	8052-41-3
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name _____ Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs / Gal / Cu ft	(Circle) Lbs / Gal / Cu ft					
			1	S		
			2			
			3	L		
			4			
			5	G		

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

	%	
	%	
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name _____ Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs / Gal / Cu ft	(Circle) Lbs / Gal / Cu ft					
			1	S		
			2			
			3	L		
			4			
			5	G		

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

	%	
	%	
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

FOR OFFICE USE ONLY: Insp. ID _____ Insp. Init _____ Date _____ Data Entry Init _____ Date _____

COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS MATERIALS OR WASTE ARE LOCATED AND SPECIFY THE LOCATION IN THIS BOX. READ ALL OF THE INSTRUCTIONS INCLUDED IN THIS PACKAGE AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT.

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ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER Building three

(1) Chemical or Product name W & B CUTTING OIL 2190 Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
110 (Circle) Lbs Gal Cu ft	250 (Circle) Lbs Gal Cu ft	B	1 X, 2, 3, 4, 5	S, L X, G	1B	365

(9) Hazardous Chemical Ingredients & percentage of each / (10) CAS Numbers of each ingredient

PETROLEUM DISTILLATES	80 %	64741-44-2
SULFURIZED FATTY OIL	20 %	61790-49-6
CHLORINATED PARAFFIN	6 %	61788-76-9

(11) Storage Pressure: Above Standard [ ] Standard [x] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [x] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name MP PLUS TWO Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
700 (Circle) Lbs Gal Cu ft	4260 (Circle) Lbs Gal Cu ft	B	1 X, 2, 3, 4, 5	S, L x, G	1B	365

(9) Hazardous Chemical Ingredients & percentage of each / (10) CAS Numbers of each ingredient

HEXYLENE GLYCOL	%	00107-41-5
OIL, NAPHTHENIC	%	64742-52-5
LARD OIL	%	08016-28-2

(11) Storage Pressure: Above Standard [ ] Standard [x] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [x] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

(1) Chemical or Product name HYDRAULIC FLUID MIL-H83282B Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
55 (Circle) Lbs Gal Cu ft	110 (Circle) Lbs Gal Cu ft	B	1, 2 x, 3, 4, 5	S, L X, G	1B	365

(9) Hazardous Chemical Ingredients & percentage of each / (10) CAS Numbers of each ingredient

	%	
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [x] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [x] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____ ____ ____

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ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER BUILDING THREE

(1) Chemical or Product name FREON TF — Check if waste [X]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
100 (Circle) Lbs Gal Cu ft	900 (Circle) Lbs Gal Cu ft	D	1 X, 2 X, 3, 4, 5	S, L X, G	1D	365

(9) Hazardous Chemical Ingredients & percentage of each / (10) CAS Numbers of each ingredient

DIRTY FREON, TF	90 %	76-13-1
OIL	10 %	
SLUDGE	<1 %	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code 211 (14) Treatment & Disposal 02

(1) Chemical or Product name ISOPROPYL ALCOHOL — Check if waste [X]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
55 (Circle) Lbs Gal Cu ft	55 (Circle) Lbs Gal Cu ft	D	1, 2, 3 X, 4, 5	S, L X, G	3D	365

(9) Hazardous Chemical Ingredients & percentage of each / (10) CAS Numbers of each ingredient

ISOPROPYL ALCOHOL	85 %	0067-63-0
OIL	15 %	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code 213 (14) Treatment & Disposal 0 2

(1) Chemical or Product name ION EXCHANGE RESIN BEADS — Check if waste [X]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
300 (Circle) Lbs Gal Cu ft	900 (Circle) Lbs Gal Cu ft	D	1 X, 2, 3, 4, 5	S X, L, G	2A	365

(9) Hazardous Chemical Ingredients & percentage of each / (10) CAS Numbers of each ingredient

RESIN BEADS	%	
SODIUM DICHROMATE	>500ppm %	7789-12-0
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code 181 (14) Treatment & Disposal 27

COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS MATERIALS OR WASTE ARE LOCATED AND SPECIFY THE LOCATION IN THIS BOX. READ ALL OF THE INSTRUCTIONS INCLUDED IN THIS PACKAGE AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT.

BUSINESS NAME HR TEXTRON INC. ADDRESS 10445 GLENOAKS BLVD., PACOIMA CA 91331

ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER BUILDING THREE

(1) Chemical or Product name JP-5 Check if waste [X]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
50 (Circle) Lbs Gal Cu ft	50 (Circle) Lbs Gal Cu ft	D I	1 2 3 X 4 5	S L X G	1B	365

(9) Hazardous Chemical Ingredients & percentage of each / (10) CAS Numbers of each ingredient

DIRTY JET FUEL	90 %	8006-619
SLUDGE	10 %	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code 213 (14) Treatment & Disposal 02

(1) Chemical or Product name 1,1,1-TRICHLOROETHANE Check if waste [X]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
200 (Circle) Lbs Gal Cu ft	400 (Circle) Lbs Gal Cu ft	D	1 X 2 X 3 4 5	S L X G	1D	365

(9) Hazardous Chemical Ingredients & percentage of each / (10) CAS Numbers of each ingredient

1,1,1-TRICHLOROETHANE	95 %	71556
OIL	5 %	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code 211 (14) Treatment & Disposal 02

(1) Chemical or Product name STODDARD SOLVENT Check if waste [X]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
300 (Circle) Lbs Gal Cu ft	1,100 (Circle) Lbs Gal Cu ft	B	1 2 3 X 4 5	S L X G	1B	365

(9) Hazardous Chemical Ingredients & percentage of each / (10) CAS Numbers of each ingredient

STODDARD SOLVENT	85 %	805 2413
OIL	15 %	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code 213 (14) Treatment & Disposal 02

Rev. 5/89

FOR OFFICE USE ONLY: Insp. ID _____ Insp. Init _____ Date _____ Data Entry Init _____ Date _____

COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS MATERIALS OR WASTE ARE LOCATED AND SPECIFY THE LOCATION IN THIS BOX. READ ALL OF THE INSTRUCTIONS INCLUDED IN THIS PACKAGE AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT.

BUSINESS NAME HR TEXTRON INC. ADDRESS 10445 GLENOAKS BLVD., PACOIMA CA 91331

ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER BUILDING THREE

(1) Chemical or Product name WASTE NITRIC ACID — Check if waste [X]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
150 (Circle) Lbs Gal Cu ft	150 (Circle) Lbs Gal Cu ft	D	1 X, 2, 3, 4, 5 X	S, L X, G	2A	90

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

NITRIC ACID	<40 %	
SODIUM DICHROMATE	1 %	
WATER	5 %	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code 792 (14) Treatment & Disposal 04, 02

(1) Chemical or Product name WASTE SODIUM HYDROXIDE — Check if waste [X]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
75 (Circle) Lbs Gal Cu ft	75 (Circle) Lbs Gal Cu ft	D	1 X, 2, 3, 4, 5 X	S, L X, G	3B	90

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

SODIUM HYDROXIDE	4 %	001-310-732
WATER	96 %	
	%	

(11) Storage Pressure: Above Standard [X] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code 121 (14) Treatment & Disposal 04, 02

(1) Chemical or Product name _____ — Check if waste [ ]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [ ]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
(Circle) Lbs Gal Cu ft	(Circle) Lbs Gal Cu ft		1, 2, 3, 4, 5	S, L, G		

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

	%	
	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [ ] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [ ] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code ____ (14) Treatment & Disposal ____

Rev. 5/89

FOR OFFICE USE ONLY: Insp. ID _____ Insp. Init _____ Date _____ Data Entry Init _____ Date _____

COMPLETE A SEPARATE FORM FOR EACH BUILDING, OUTDOOR AREA, UNDERGROUND TANK OR ROOM WHERE HAZARDOUS MATERIALS OR WASTE ARE LOCATED AND SPECIFY THE LOCATION IN THIS BOX. READ ALL OF THE INSTRUCTIONS INCLUDED IN THIS PACKAGE AND PHOTOCOPY EXTRA COPIES OF THIS FORM BEFORE COMPLETING IT.

BUSINESS NAME HR TEXTRON INC. ADDRESS 10445 GLENOAKS BLVD., PACOIMA CA 91331

ROOM NAME OR NUMBER _____ BUILDING NAME, OUTDOOR AREA OR UNDERGROUND TANK NUMBER Building 3

(1) Chemical or Product name WASTE OIL — Check if waste [X]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
985 (Circle) Lbs Gal Cu ft	1755 (Circle) Lbs Gal Cu ft	B	1 ___ 2 X 3 ___ 4 ___ 5 ___	S ___ L X G ___	1D	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

	%	
WASTE OIL MIXTURE	%	NONE
SLUDGE	%	
	%	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code 221 (14) Treatment & Disposal ___ ___ ___

(1) Chemical or Product name WASTE SOLUBLE OIL — Check if waste [X]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
3850 (Circle) Lbs Gal Cu ft	23,825 (Circle) Lbs Gal Cu ft	B / D	1 ___ 2 ___ 3 X 4 ___ 5 ___	S ___ L X G ___	1D / 1B	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

	%	
WATER	86 %	
OIL	13 %	
STODDARD SOLVENT	<1 %	

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code 223 (14) Treatment & Disposal ___ ___ ___

(1) Chemical or Product name PASSIVATE RINSE WATER — Check if waste [X]

(1A) Check if Extremely Hazardous [ ] (1B) Check one: Pure [ ] or Mixture [X]

(2) Maximum amount at any time	(3) Total annual amount	(4) Storage Type	(5) Health & Physical Hazards	(6) Phys. State	(7) Hazard Class	(8) Number of days on site
1800 (Circle) Lbs Gal Cu ft	1800 (Circle) Lbs Gal Cu ft	B / I	1 ___ 2 X 3 ___ 4 ___ 5 ___	S ___ L X G ___	1C / 1D	365

(9) Hazardous Chemical Ingredients & percentage of each — (10) CAS Numbers of each ingredient

	%	
WATER	95 %	
SODIUM DICHROMATE	4 %	744047-3
NITRIC ACID	trace %	7697-37-2

(11) Storage Pressure: Above Standard [ ] Standard [X] Below Standard [ ]

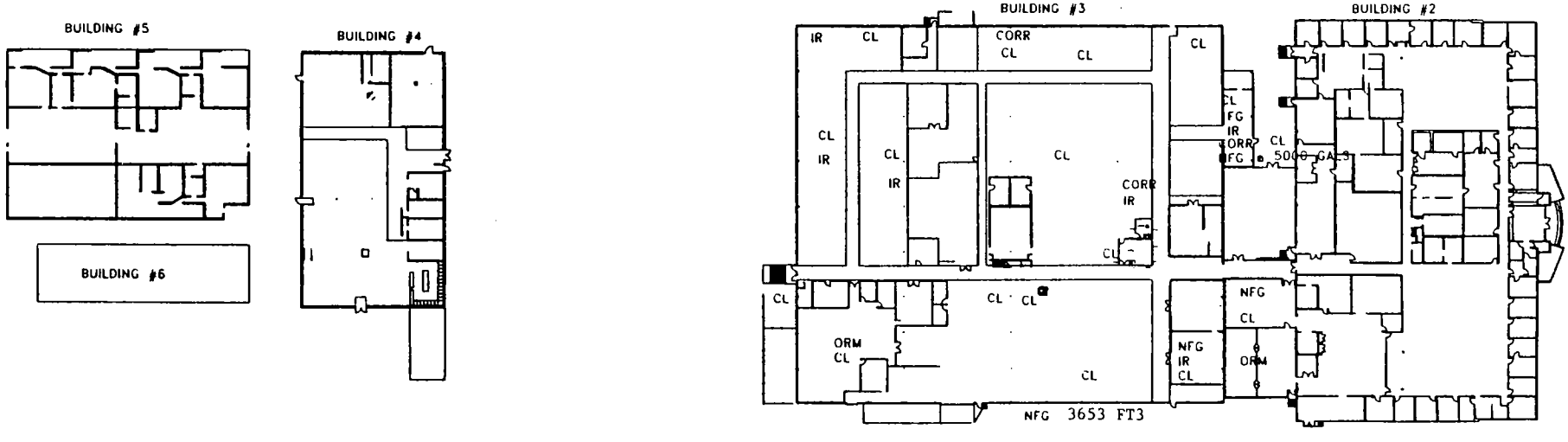
(12) Storage Temp: Above Ambient [ ] Ambient [X] Below Ambient [ ] Cryogenic [ ]

Waste only: (13) State waste Code 132 (14) Treatment & Disposal ___ ___ ___

Rev. 5/89

FOR OFFICE USE ONLY: Insp. ID _____ Insp. Init _____ Date _____ Data Entry Init _____ Date _____

HR TEXTRON PACOIMA PLANT
CHEMICAL INVENTORY



BUSINESS NAME: HR TEXTRON BUS. PLAN # 3305-1 LAFD # EMERGENCY PHONE (805) 259-4030

BUSINESS ADDRESS (SITE) 10445 GLENOAKS BLVD. PACOIMA CA 91331

MAJOR BUSINESS ACTIVITIES: MANUFACTURING MAP SCALE 1"=70'-0" DATE: 2. 23 1991

FIRED:

350125

HR TEXTRON

INTEROFFICE COMMUNICATION

RECEIVED
JUN 24 1991
VP Legal and Contracts

TO: John Hedges

FROM: M.L. Ameel MLA

DATE: June 24, 1991

SUBJECT: Response to EPA Letter Dated 10 May 1991 (Question #12, Page 10)

REFERENCE: IOC Dated June 4, 1991, M.L. Ameel to John Hedges

==========

Question: Identify all leaks, spills, releases or threats of releases of any kind into the environment of any hazardous materials that have occurred or may occur at or from the facility. In addition, identify:

a. When such releases occurred or may occur;

b. How the releases occurred or may occur;

c. What hazardous materials were released or may be released;

d. What amount of each such hazardous material was released;

e. Where such releases occurred or may occur, describing the location(s) and providing a map or diagram of such location(s);

f. Any and all activities undertaken in response to each release or threatened release;

g. Any and all investigations of the circumstances, nature, extent, or location of each such release or threatened release, including the results of any soil, water (ground and surface), or air testing that was undertaken;

350126

h. Whether any report(s) of any such release(s) was (were) made to any public agency, and the content of that (those) report(s);

i. All persons with information relating to subports a. through h. of this question.

Answer: The only release known is the one associated with the Pacoima Remediation Project that has been identified and for which information has been provided in answer to question #7, page 9.

There is no other release known to the current facilities organization of a reportable quantity of hazardous material to the environment. Facilities has no reason to believe that there will be any reportable quantities of hazardous materials released to the environment in the future. Answers below are associated with the release identified above.

a. It is not known when the release occurred.

b. The attached IOC, exhibit A, identifies the release as overflow at the top of the tank.

c. The attached IOC, exhibit B, identifies the contents of the underground tanks associated with the release.

d. The amount of this release is not known.

e. See exhibit C for the location of this release.

f. See answer to question #7, page 8.

g. See answer to question #7, page 8.

h. See answer to question #7, page 8.

i. The answer to this question is not known. The correspondence found in the answer to question #7, page 9 contains a number of names of persons having some information.

MLA:sj

cc: M. Bell
B. Moses
R. Pascoe
J. Wheeler

HR TEXTRON

INTEROFFICE COMMUNICATION

DATE: February 11, 1985 COPY: S. Garcia

TO: Andrew Spacone

FROM: Betty Seldner

SUBJECT: Environmental Matters

In accordance with the Leak Detection Program under the regulations of the California Regional Water Quality Control Board, HR pulled two 1,000-gallon underground tanks at 10445 Glenoaks Boulevard, Pacoima (Susann Mark has the tank report from Earth Technologies).

All went smoothly with the L.A. Fire Department and the Water Board representatives watching the process. The tanks did not leak, but the soil was contaminated from overflow at the top of the tanks.

We had the tank cut into 4-foot segments and sold for scrap. We also had three truckloads of dirt hauled away and manifested to a Class B dumpsite.

Currently, we are waiting for the state's soil test to come back. A copy of our soil test results is attached.

To date, we have spent about $25,000. This includes removing part of the cement pad, testing the soil before and after the removal, digging, excavating the tank and hauling away the dirt.

Since there are no California standards on "how clean is clean," we do not know exactly how much more dirt, if any, we must haul away. This is the only incident in which we are currently involved.

We discussed the Teller Road property in Newbury Park that HR is leasing for Purolator Technologies. We anticipate no EPA problems.

Enclosed are copies of my correspondence to the architect, the landlords and the results of my research.

BJS:wb

Enclosures

Exhibit A

INTEROFFICE COMMUNICATION

THIS COMMUNICATION IS
PROTECTED BY THE
ATTORNEY-CLIENT AND/OR
WORK PRODUCT PRIVILEGE

October 20, 1987

To: M.D. Bell
From: W.C. Moses
Subject: Pacoima Underground Tanks

At your request a list has been developed containing identification of liquids which were known to have been placed into the underground tanks at the Pacoima location.

This list was compiled by asking employees associated with the tanks' usage. Since there was no written log, this is all we have to go by.

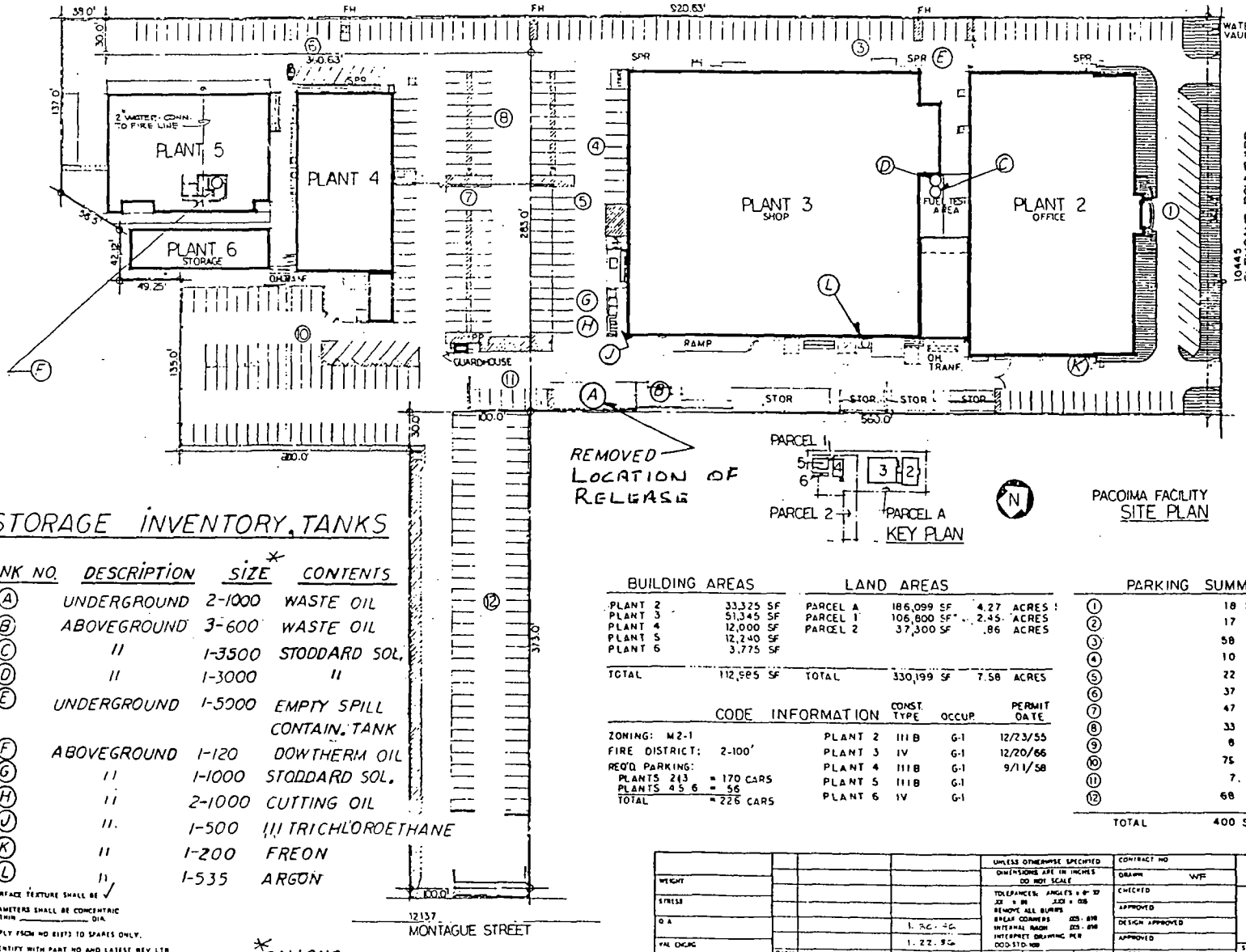
- alcohol, isopropyl
- "Arrow 30", a germicidal additive to soluable oil
- cutting oils; Mobil Gamma, Exxon Mentor 28, Mobil Omicron
- ethanol, denatured (Proprietary Solvent III)
- Freon TF
- grease, Mobil EP-2
- hydraulic oils; Bray MIL-H-5606, Mobil DTE various viscosities, Mobil Velocite 6, Mobil Velocite 10
- Kee-Chem 125, a machine cleaner
- Kleen B, a detergent
- lacquer thinner
- Methyl Ethyl Ketone (MEK)
- paint thinner
- paint (lacquer and enamel)
- water soluable cutting oil, Pennwalt MP+2
- stoddard solvent
- 1,1,1 trichloroethane
- zinc chromate primer

The MSDSs for the above list are enclosed.

W.C. Moses
Director, Facilities Engineering

/cjm

Exhibit B



SCALE: 1" = 125'

STORAGE INVENTORY, TANKS

TANK NO.	DESCRIPTION	SIZE*	CONTENTS
A	UNDERGROUND	2-1000	WASTE OIL
B	ABOVEGROUND	3-600	WASTE OIL
C	"	1-3500	STODDARD SOL.
D	"	1-3000	"
E	UNDERGROUND	1-5000	EMPTY SPILL CONTAIN. TANK
F	ABOVEGROUND	1-120	DOWTHERM OIL
G	"	1-1000	STODDARD SOL.
H	"	2-1000	CUTTING OIL
J	"	1-500	111 TRICHLOROETHANE
K	"	1-200	FREON
L	"	1-535	ARGON

*GALLONS

4. SURFACE TEXTURE SHALL BE ✓
3. DIAMETERS SHALL BE CONCENTRIC WITHIN _____ DIA.
2. APPLY FSCM NO 81873 TO SPARES ONLY.
1. IDENTIFY WITH PART NO AND LATEST REV LTR

NOTE: UNLESS OTHERWISE SPECIFIED

BUILDING AREAS

PLANT 2	33,325	SF
PLANT 3	51,345	SF
PLANT 4	12,000	SF
PLANT 5	12,240	SF
PLANT 6	3,775	SF
TOTAL	112,685	SF

LAND AREAS

PARCEL A	186,099	SF	4.27 ACRES
PARCEL 1	106,800	SF	2.45 ACRES
PARCEL 2	37,300	SF	.86 ACRES
TOTAL	330,199	SF	7.58 ACRES

CODE INFORMATION

ZONING: M2-1
FIRE DISTRICT: 2-100'
REQ'D PARKING:
PLANTS 2 & 3 = 170 CARS
PLANTS 4 5 6 = 56
TOTAL = 226 CARS

	CONST. TYPE	OCCUP.	PERMIT DATE
PLANT 2	III B	G-1	12/23/55
PLANT 3	IV	G-1	12/20/66
PLANT 4	III B	G-1	9/11/58
PLANT 5	III B	G-1	
PLANT 6	IV	G-1	

PARKING SUMMARY

1	18 SPACES
2	17
3	58
4	10
5	22
6	37
7	47
8	33
9	6
10	75
11	7
12	68
TOTAL	400 SPACES

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DO NOT SCALE
TOLERANCES: ANGLES ± 0° 30'
.XX ± .01 .XXX ± .005
REMOVE ALL BURRS
BREAK CORNERS .025 - .010
INTERNAL RADII .025 - .010
INTERPRET DRAWING PER
DOD-STD-100

WEIGHT
STRESS
Q A
VAL ENGRG
MATL
DASH NO
NEXT ASSEMBLY
FINISH

CONTRACT NO
DRAWN WF
CHECKED
APPROVED
DESIGN APPROVED
APPROVED
ENGRG RELEASE

HR TEXTRON
A Subsidiary of Textron Inc.
Valencia Calif.

SITE PLAN

SIZE D | FSCM NO 81873 | DRAWING NO FE-P-G-01

Exhibit C

HR TEXTRON INC.
INTEROFFICE COMMUNICATION
MDB:91:272

July 2, 1991

To: File
From: Marty Bell
Subject: Interviews re Pacoima Environmental
Reference: EPA Request for Information re Pacoima

In support of the EPA Request for Information, questions 12 and 13, I interviewed senior level management personnel from Manufacturing, Facilities, and the Executive Offices, as follows:

Peter Gandell (former President);
David Stewart (former VP);
Robert Lang (Fuel/Pneumatics);
Betty Seldner (Environmental);
Roger Pascoe (VP Manufacturing);
Larry Haynes (Manufacturing);
Howard Amundson (Manufacturing);
William Moses (Facilities);
Sam Garcia (former President)(1).

Gandell, Stewart and Seldner advised me that the only Pacoima release which they are aware of was that pertaining to the underground storage tank situation, the subject of the current remediation activity.

Amundson, Haynes, Moses, and Pascoe advised me of (i) the underground storage tank issue (noted above), (ii) a spillage (circa 1987) in the Passivate Room where a faucet wasn't turned off in time to prevent a spillage of approximately 50 gallons of a water/nitric acid mixture onto the floor, and (iii) a very small leak (less than a pint per Moses) on a degreaser (1,1,1, Trichloroethane) in the shop, November 10, 1988 (but according to the shop supervisor, Richard Martinez, there wasn't a fluid leak at all, just fumes).

No drains, sewers or sumps were involved, just a spill onto the floor. A small amount of the water/nitric acid mixture seeped outside through the door/wall, and was cleaned up with caustic soda and oil dry (like kitty litter). I was advised by Moses that the spillage was not reportable.

As corrective/preventive action, the nitric acid/Passivate Room was modified to install a shutoff valve on the sink to cut off the water when the sink was filled. The degreaser was repaired (replacement of hoses/fittings). The underground storage tanks were removed.

(1) Not available at this time. To be interviewed as soon as he's available.

Distribution:
Chron

TEXTRON INC.

General Liability Insurance Policies

Policy Period	Policy Number	Limit of Liability	Carrier	Pollution Coverage
1/1/69-1/1/70	06AL120979SG	BI 500M/1MM/1MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	No Pollution Exclusion
1/1/70-1/1/71	06AL123810SG(Y)	BI 500M/1MM/1MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	No Pollution Exclusion
1/1/71-1/1/72	06AL126951SG(Y)	BI 500M/1MM/1MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental
1/1/72-1/1/73	06AL129802SRA(Y)	BI 500M/1MM/1MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental
1/1/73-1/1/74	06AL132773SCA(Y)	BI 1MM/1MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental
1/1/74-1/1/75	06AL228214SRA(Y)	BI 1MM/1.5MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental
1/1/75-1/1/76	06AL133555SRA(Y)	BI 1MM/1.5MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental
1/1/76-1/1/77	06AL133576SRA	BI 1MM/1.5MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental
1/1/77-1/1/78	06AL230017SRA	BI 1MM/2MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental

TEXTRON INC.
General Liability Insurance Policies

Policy Period	Policy Number	Limit of Liability	Carrier	Pollution Coverage
1/1/78-1/1/79	06AL230048SCA	BI 1MM/3MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental
1/1/79-1/1/80	06AL230079SRA	BI 1MM/3MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental
1/1/80-1/1/81	06AL317310SRA	BI 1MM/5MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental
1/1/81-1/1/82	06AL317321SRA	BI 1MM/8MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental
1/1/82-1/1/83	06AL317372SRA	BI 1MM/8MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental
1/1/83-1/1/84	06AL317383SRA	BI 1MM/8MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental
1/1/84-1/1/85	06AL317404SRA	BI 1MM/8MM PD 1MM/1MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental
1/1/85-1/1/86	06AL317405SRA	BI 1MM/10MM PD 1MM/2MM	Aetna Casualty and Surety Company Hartford, CT 06115	Sudden & Accidental
1/1/86-1/1/87	06AL317446SRA	3MM/20MMC&L	Aetna Casualty and Surety Company Hartford, CT 06115	Pollution Exclusion

HR TEXTRON

INTEROFFICE COMMUNICATION

RECEIVED
JUN 24 1991
VP Legal and Contracts

TO: John Hedges

FROM: M.L. Ameel MLA

DATE: June 24, 1991

SUBJECT: Response to EPA Letter Dated 10 May 1991 (Question #13, Page 11)

REFERENCE: IOC Dated June 4, 1991, M.L. Ameel to John Hedges

==========

Question: If any release or threatened release identified in response to question 12 occurred into any subsurface disposal system, floor drain, sump, or dry well inside or under any buildings located on the facility, further identify:

Answer: There is no evidence that the release identified in response to question 12 occurred into any subsurface disposal system, floor drain, sump, or dry well inside or under any buildings located on the facility.

MLA:sj

cc: M. Bell
B. Moses
R. Pascoe
J. Wheeler

RECEIVED
JUN 24 1991
VP Legal and Contracts

HR TEXTRON

INTEROFFICE COMMUNICATION

RECEIVED
JUN 24 1991
VP Legal and Contracts

TO: John Hedges

FROM: M.L. Ameel MLA

DATE: June 24, 1991

SUBJECT: Response to EPA Letter Dated 10 May 1991 (Question #14, Page 12)

REFERENCE: IOC Dated June 4, 1991, M.L. Ameel to John Hedges

==========

Question: Is the facility currently connected to a sewer line. If so, identify the sewage system, date of connection, and type of wastes discharged. If you are or at some time operated the facility without a sewer line connection, identify the method of waste disposal that you use or did use. Specifically, have you or are you using leach field(s), septic tank(s), or any other method of disposal at the facility. Provide copies of any sewer permits, including but not limited to industrial waste permits.

Answer: Attached is a list of receipts, exhibit D, followed by copies of receipts for fees paid by HR Textron for sewer connections at both addresses in Pacoima. At the Glenoaks Blvd. address, both domestic and industrial wastes are discharged. See the attached industrial waste permit, exhibit A. At the Montague Street address, in addition to domestic wastes, there is discharge from a box washer, an abrasive blaster and air conditioning condensation.

The sewage system is identified on the attached drawings, exhibits B and C.

MLA:sj

cc: M. Bell
B. Moses
R. Pascoe
J. Wheeler

RECEIVED
JUN 24 1991
VP Legal and Contracts

350128

PERMIT NO. W-306129
INDUSTRIAL CLASS: 096

CITY OF LOS ANGELES

INDUSTRIAL WASTE PERMIT

DEPARTMENT OF PUBLIC WORKS
BUREAU OF SANITATION

ISSUED TO:

NAME: HYDRAULICS RESEARCH & MFG CO
MAILING ADDRESS: 25200 RYE CANYON RD
VALENCIA CA 91355

LOCATION ADDRESS: 10445 GLENOAKS BL
PACOIMA

APPLICATION DATE: 02/01/67 EFFECTIVE DATE: 02/01/67

This permit signifies that the person named on the face hereof has fulfilled the requirements of Section 64.30 L.A.M.C., in making application to the Board of Public Works to discharge industrial wastes into an approved disposal system; and that said application has been approved to discharge specific industrial wastes into the system in the manner described therein and in accordance with the Board of Public Works regulations governing industrial waste discharges.

This permit does not in any way authorize the permittee to violate any term or provision of the Municipal Code governing industrial waste disposal or any regulation of the Board of Public Works made pursuant thereto.

Issuance of this Industrial Waste Permit is categorically exempt from preparation of an Environmental Impact Report in accordance with Article 8, Section 8 of City Guidelines for Implementation of California Environmental Quality Act of 1970.

THIS PERMIT BECOMES VOID UPON ANY CHANGE OF OWNERSHIP OR LOCATION WHATSOEVER. Notify the Bureau of Sanitation of any changes of ownership or address at the following location:
2335 Dorris Place, Los Angeles, California 90031 — Phone: 485-5886

TECHNICAL DATA

INSPECTION FREQUENCY: 03
EST. WASTEWATER STRENGTH: 1134.00 MILLIGRAMS/LITER (SUSPENDED SOLIDS) 1310.00 MILLIGRAMS/LITER (BIOCHEMICAL OXYGEN DEMAND)

EST. WASTEWATER VOLUME: 6000 GALLONS PER DAY

NOTE: APPROPRIATE INSPECTION FEE AND QUALITY SURCHARGE FEE WILL BE DETERMINED FROM ESTIMATED SEWAGE STRENGTH AND VOLUME SHOWN HEREIN, IN ACCORDANCE WITH SECTION 64.30 OF THE L.A.M.C. AND THE BOARD OF PUBLIC WORKS RULES AND REGULATIONS ATTACHED HERETO. APPROPRIATE ADJUSTMENT MAY BE MADE FOR ANY SUBSEQUENT CHANGE IN VOLUME AND/OR STRENGTH. IF YOUR PERMIT IS SUBJECT TO THE SURCHARGE FEE, YOU WILL BE BILLED FOR 1/4 OF THE ANNUAL FEE AND 1/4 OF THE SURCHARGE FEE ON THE 1st OF THE FOLLOWING MONTHS: JANUARY, APRIL, JULY, AND OCTOBER OF EACH YEAR.

DELWIN A. BIAGI

DIRECTOR, BUREAU OF SANITATION

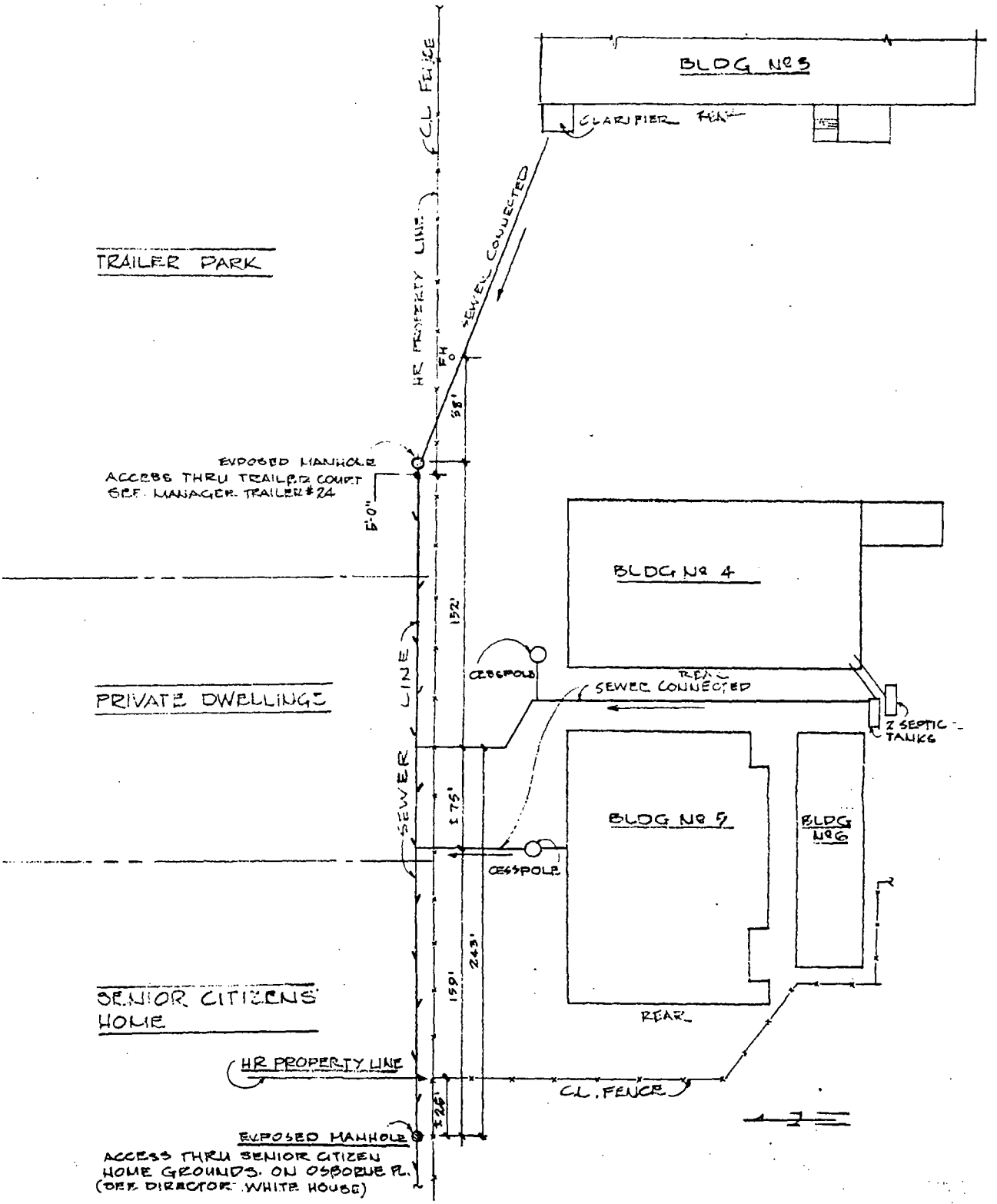
BY _____

CHIEF INDUSTRIAL WASTE INSPECTOR

FOR OFFICE USE ONLY 350129

DISTRICT: 02 SUBDISTRICT: 023 INTERCEPTOR CODE: FLOW CODE: 5
NUMBER OF GARBAGE GRINDERS: WASTE PROCESS: 64 72 BILLING CODE: 3
TREATMENT REQUIRED: 02 00 TREATMENT FACILITIES: 14 00 FINAL DISPOSAL: 1

Exhibit A



MANHOLE & SEWER CONNECTIONS BLDGS 3, 4, 5, & 6
HR.... PACOIMA, FACILITY DATA PER LA. CNTY ENGNR'S
OFFICE... VAN NUYS, CA.

J.A. LOCKSLEY FACIL. PLANNER
FACILITIES OFFICE VALENCIA CA
5/8/79

350130
Exhibit B

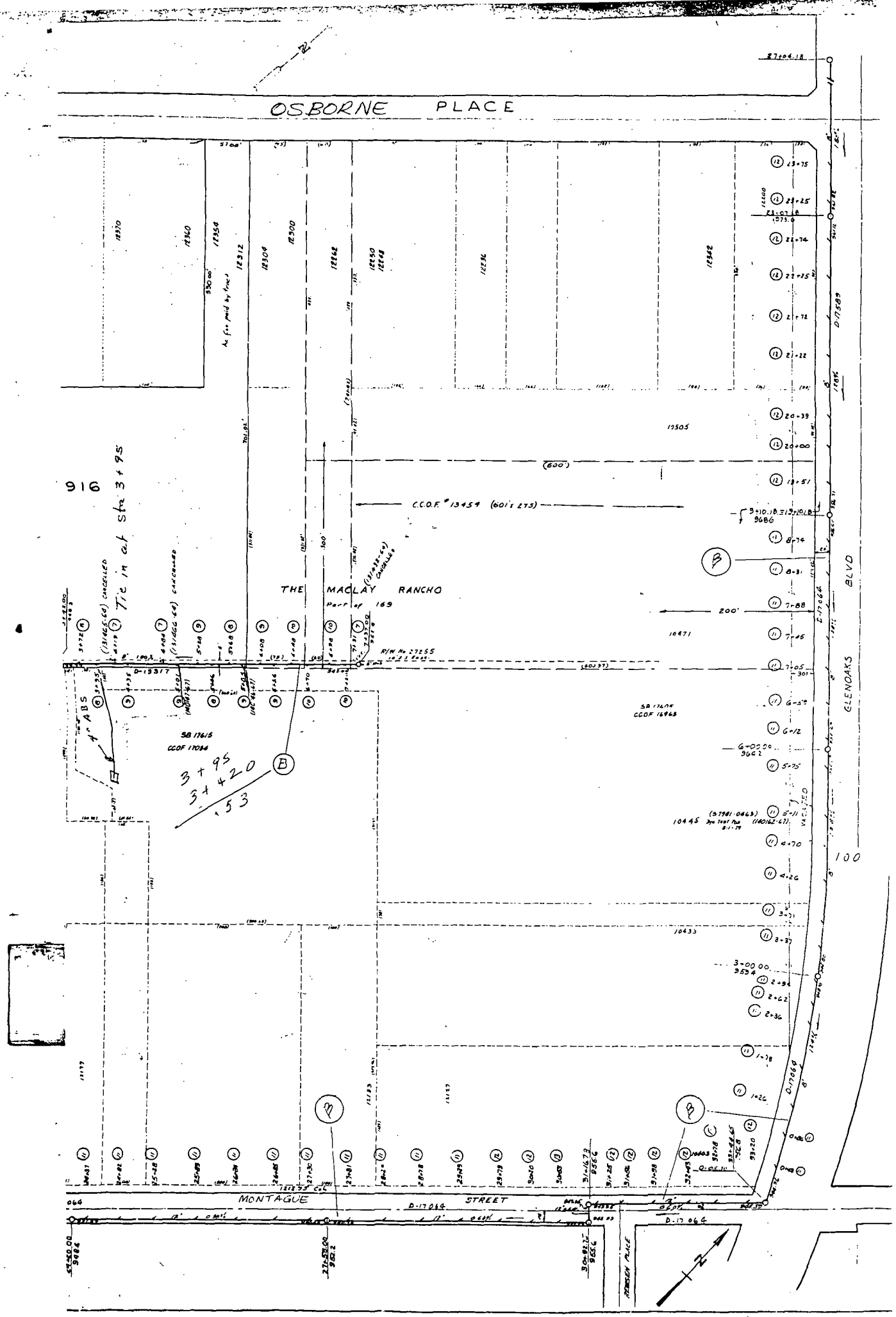

OSBORNE PLACE
THE MACLAY RANCHO
Part of 169
C.C.O.F. 13454 (601' ± 275)
SB 17615
CCOF 17084
SB 17606
CCOF 16968
MONTAGUE STREET
GLENOAKS BLVD
D-17064
D-17589
D-15317
R/W No. 27255
3+95
3+420
.53

Exhibit C

HR TEXTRON

INTEROFFICE COMMUNICATIONS

DATE: June 13, 1991

TO: M.L. Ameel

FROM: W.C. Moses

SUBJECT: **PACOIMA FACILITY SEWER CONNECTION**

Further investigation into old files has uncovered receipts for fees paid by HR Textron for sewer connections at both addresses in Pacoima.

Attached for your use are seven copies each of the following:

Certificate No. 17605:	Dated 12/27/66, for 10445 Glenoaks Blvd. "Charge for Bonded and Special Sewer Connections."
Certificate No. 16963:	Dated 12/27/66, for 10445 Glenoaks Blvd. "Connection Charge for Outlet Facilities."
Certificate No. 17615:	Dated 1/12/67, for 12137 Montague St. "Charge for Bonded and Special Sewer Connections."
Certificate No. 17034:	Dated 1/12/67, for 12137 Montague St. "Connection Charge for Outlet Facilities."

/cjm

350131

Exhibit D

CITY OF LOS ANGELES

Charge for Bonded and Special Sewer Connections

THIS IS NOT A PERMIT — CERTIFICATE № 17615

Los Angeles, California 1-12, 1967

This certificate is to attest that Hydraulic Research -

Address 2835 No. Naomi St. - Burbank -

has paid the sum of $ 5,632.55, Receipt No. ____, for the BONDED/SPECIAL SEWER CONNECTION per Sec. 64.18 of the Municipal Code for the connection of property located at 12137 Montanue St.

Lot ____, Block ____, Tract legal attached

Between — and

to the sanitary sewer in basement sewer. —

~~Lateral~~ Frontage 1126.51 Feet, at $ 5.00 ~~per Lateral Foot~~ per Frontage Foot = $ 5632.55 Total

Investigated by ____

Owner HYDRAULIC RESEARCH. -

By —

Title ____

DEPARTMENT OF PUBLIC WORKS
Bureau of Engineering

By A Buracker
Deputy

DISTRIBUTION:
White—Permittee
Blue—Bureau Accounting
Goldenrod—Sewer Design
Canary—Book

Eng. 3.664—15 Bks—11-64

DO NOT USE THIS SPACE

ok - 90-1398 JAN-12-67 7 2 5 P 1 -- 1 5,632.55

350132

·ION CHARGE ·OR OUTLET FACILITI·S

CERTIFICATE № 17034

.os Angeles, California 1-12, 1967

This certificate is to attest that Hydraulic Research

Address 2835 No. Naomi St. - Burbank -

has paid the sum of $ 1343.44, Receipt No. ....., for the "Connection Charge for Outlet Facilities," required by Section 64.16.1 of the Municipal Code for the connection of property located at 12137 Montague St.

Lot ....., Block Legal Attached to SBH 17615

Between ..... and .....

to the sanitary sewer in easement rear -

146,300 acres at $ 009187P per acre = Total Amount $ 1343.44

Owner HYDRAULIC Research. -

By .....

Title .....

DEPARTMENT OF PUBLIC WORKS
City of Los Angeles
Bureau of Engineering

By C Bradley

DISTRIBUTION:
White—Permittee
Blue—Bureau Accounting
Buff—Book

DO NOT USE THIS SPACE

ck - 90 - 1398

JAN-12-67

Eng. 3.665(B)—E. Val.—20 Bks.—11-65 (T-73)

350133

CITY OF LOS ANGELES

Charge for Bonded and Special Sewer Connections

THIS IS NOT A PERMIT

CERTIFICATE № 17605

Los Angeles, California Dec. 29, 1966

This certificate is to attest that Hydraulic Research & Mfg. Co.

Address 2835 No. Naomi St. - Burbank, Calif.

has paid the sum of $6646 69/100, Receipt No. ....., for the BONDED/SPECIAL SEWER CONNECTION per Sec. 64.18 of the Municipal Code for the connection of property located at 10445 Glenoaks Blvd.

Lot legal Block attached, Tract .....

Between Montague St. and Osborne Pl.,

to the sanitary sewer in Glenoaks Blvd.

~~Lateral~~ Frontage 1329.338 feet, at $5.00 ~~per Lateral Foot~~ per Frontage, Foot = $6646 69/100 Total

Investigated by .....

Owner HYDRAULIC RESEARCH & MFG. CO.

DEPARTMENT OF PUBLIC WORKS
Bureau of Engineering

By .....

Title 504 BC By H. Birnean
Deputy

DISTRIBUTION:
White—Permittee
Blue—Bureau Accounting
Goldenrod—Sewer Design
Canary—Book

90-1398

DO NOT USE THIS SPACE

Eng. 3.664—15 Bks—11-64

350134

ONNECTION CHARGE FOR OUTLET FACILITIES

East Valley

CERTIFICATE № 16963

Los Angeles, California Dec 27, 1966

This certificate is to attest that Hydraulic Research & Mfg. Co.

Address 2835 No. Naomi Street Burbank, Calif.

has paid the sum of $1716.00, Receipt No. 6, for the "Connection Charge fo Outlet Facilities," required by Section 64.16.1 of the Municipal Code for the connection of property located a 10445 Glenoaks Blvd

Lot see S Block 17605, Tract

Between Montague St and Osborne Pl

to the sanitary sewer in Glenoaks Blvd

18.6767 ~~acres~~ at $400.00 per acre = Total Amount $1716.00

Owner HYDRAULIC RESEARCH & MFG CO.

By

Title

DEPARTMENT OF PUBLIC WORKS
City of Los Angeles
Bureau of Engineering

By

504 Bc

DISTRIBUTION:
White—Permittee
Blue—Bureau Accounting
Buff—Book

90-1348

DO NOT USE THIS SPACE

Eng. 3.665(B)—E. Val.—20 Bks.—11-65 (T-73)

350135