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Forensic Analytical
2959 Pacific Commerce Drive
Rancho Dominguez, California 90221

FINAL REPORT

PRE-DEMOLITION ASBESTOS REMOVAL MONITORING

HARBOR GATEWAY CENTER - PHASE I
TORRANCE, CALIFORNIA

Forensic Analytical

FINAL REPORT

PRE-DEMOLITION ASBESTOS REMOVAL MONITORING

HARBOR GATEWAY CENTER - PHASE I
TORRANCE, CALIFORNIA

Conducted for:

McDonnell Douglas Realty Corporation
4060 Lakewood Boulevard, 6th Floor
Long Beach, California 90808-1700

By:

Forensic Analytical Specialties, Incorporated
Rancho Dominguez, California

Stephen B. Long, Project Manager
Certified Asbestos Consultant
Certificate Number 92-0580

May 15, 1997

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DRAFT

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PART I - EXECUTIVE SUMMARY

Forensic Analytical Specialties, Inc. (FASI) was retained by McDonnell Douglas Realty Corporation (MDRC) to represent MDRC's environmental interests in the pre-demolition asbestos removal project at the Harbor Gateway Center Phase I site (former Douglas Aircraft Company plant) in Torrance, California, conducted from September 6, 1996 through March 14, 1997. FASI provided Cal/OSHA certified Site Surveillance Technicians (CSST), under the supervision of a Certified Asbestos Consultant (CAC), to perform on-site observation and air monitoring activities for the duration of the project.

The removal of asbestos-containing materials was conducted under a separate contract by CST Environmental of Anaheim, California, a California licensed abatement contractor (contractor pre-construction and final submittals are contained in Volumes II and III of this report).

On behalf of MDRC, FASI performed:

1) Project documentation and data collection

2) Daily site inspection and project air monitoring (inspection logs are contained in Part IV of this report)

3) Final visual inspection, air clearance testing, and analysis

The project consisted of the removal of identified asbestos-containing materials (ACM) from the the buildings on the site scheduled for demolition, prior to demolition activities. ACM was identified by an existing asbestos survey and inspection report published by Hall-Kimbrell Environmental Services, Inc. (dated February 9, 1990), pre-demolition survey reports published by FASI (dated August 9, 1996 and October 14, 1996), and FASI's on-site bulk sampling and analysis at various times during the project.

PART II GENERAL DESCRIPTION OF WORK

The Phase I area of the Harbor Gateway Center site consisted of the northeast portion of the former Douglas Aircraft Company facility located at the southwest corner of Normandie Avenue and 190th Street in Torrance, California. Approximately 20 buildings in the Phase I area were scheduled for demolition. Most of the buildings were constructed with structural steel framing on a concrete slab, with flat roofs covered with built-up roofing. The exterior walls of most of the buildings, and some roofs, consisted of metal panels (some coated with an asbestos-containing weatherproofing). Some of the buildings had brick walls.

Materials identified and removed as ACM systems were primarily:

Fireproofing
Pipe and pipe fitting insulation
Floor tile and mastic

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Window glazing putty
Roofing materials
Weatherproof coating on steel panels
Drywall joint compound
Baseboard/cove base mastic
Duct vibration duct cloth
Equipment gasket material
Asbestos-cement piping and panels
Fire doors

BULK SAMPLING

Bulk samples were collected by FASI as necessary during the project to test materials uncovered during abatement for the presence of asbestos, or to clarify results contained in earlier asbestos survey reports. Laboratory reports for bulk samples analyzed and transmitted during the project in separate reports are contained in Part III of this report.

CONSTRUCTION OBSERVATION AND AIRBORNE FIBER SAMPLING

Construction observation and air monitoring services were provided by FASI during the preparation, asbestos removal, and clean-up phases for each asbestos removal work area. Daily inspection logs prepared by FASI on-site personnel are included in Part IV of this report. Project management, including review of contractor submittals and attendance at weekly progress meetings, was also provided by FASI. Action items were addressed in weekly meeting minutes published by CST Environmental or in project correspondence. Air samples for airborne fibers during asbestos abatement were analyzed by Phase Contrast Microscopy (PCM) utilizing the NIOSH 7400 method for fiber counting. PCM air monitoring was conducted before, during the removal procedure, and for clearance testing. Generally, air samples collected during abatement work were below the Cal/OSHA 8-hour time-weighted average (TWA) Permissible Exposure Limit (PEL) of 0.1 fibers per cubic centimeter of air (f/cc). Air samples collected for clearance testing were at or below the EPA recommended level of 0.01 f/cc for clearance of an asbestos abatement area. Laboratory reports for air samples analyzed for the project are contained in Part III of this report.

PART III

LABORATORY REPORTS

* Airborne Fibers (PCM)
* Bulk Material for Asbestos (PLM)

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545 • Telephone: 510/887-8828 800/827-FASI Fax: 510/887-4218
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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
FASI S.W. Internal Q.A./Q.C.

2959 Pacific Commerce Drive
Rancho Dominguez, CA 90021

Client Number: 5148
Report Number: 582843
Date Received: 09/26/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
Job ID: McDonnel Douglas Harbor Gateway, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
227993	59639121	09/25/96	720.	25.	100	0.017	0.003	0.022

Location: Personal sample - Breathing zone sample, abatement monitoring, Stephen Long (267-55-6650).

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582560
Date Received: 09/13/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
227901	59636913	09/11/96	960.	3.	100	<0.002	0.002	0.002
Location: Area sample - Building 67, inside work area near col. L6 (Background).								
227902	59636914	09/11/96	960.	2.	100	<0.002	0.002	0.002
Location: Area sample - Building 67, outside work area at col. G5 (Background).								
227903	59636915	09/11/96	940.	3.	100	<0.002	0.002	0.003
Location: Blank.								
227899	59636916	09/11/96	0.	0.	100			
Location: Blank. Blank filters are reported only as number of fibers and fields counted.								
227900	59636917	09/11/96	0.	1.	100			
Location: Blank. Blank filters are reported only as number of fibers and fields counted.								

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582561
Date Received: 09/13/96

Site: Harbor Gateway Center - Torrance, Ca.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
227848	59636919	09/12/96	1530.					
Location: Area sample - Building 37, 1st floor col. C13 outside decon (Background). Not suitable for analysis. Sample overloaded with particulate.								
227856	59636920	09/12/96	1450.					
Location: Area sample - Building 37, 1st floor col. A5 (Background). Not suitable for analysis. Sample overloaded with particulate.								
227857	59636921	09/12/96	2000.	3.	100	<0.001	0.001	0.001
Location: Area sample - Building 67, col. G5, outside work area during removal.								
227858	59636922	09/12/96	1300.	4.5	100	<0.002	0.002	0.003
Location: Area sample - Building 67, col. G5, outside work area during removal.								
227859	59636923	09/12/96	1040.	1.5	100	<0.002	0.002	<0.002
Location: Area sample - Building 67, col. G13, outside work area during removal.								
227860	59636924	09/12/96	0.	0.	100			
Location: Blank. Blank filters are reported only as number of fibers and fields counted.								
227861	59636925	09/12/96	0.	1.	100			
Location: Blank. Blank filters are reported only as number of fibers and fields counted.								

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582573
Date Received: 09/13/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
227863	59637025	09/13/96	2712.2	1.	100	<0.001	0.001	<0.001
Location: Area sample - West of VAT abatement area, bldg #67 by column G-9.								
227864	59637026	09/13/96	2712.2	1.	100	<0.001	0.001	<0.001
Location: Area sample - West of VAT abatement area, bldg #67 by decon and column G-5.								
227865	59637027	09/13/96	0.	1.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
227866	59637028	09/13/96	1286.4					
Location: Area sample - Background, outside and east of containment, 1st floor by decon, by column C-16.								
Not suitable for analysis. Sample overloaded with particulate.								
227867	59637029	09/13/96	1276.3					
Location: Area sample - Background, outside and e. of containment, 1st flr. by elevator shafts & column A-10.								
Not suitable for analysis. Sample overloaded with particulate.								
227868	59637030	09/13/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582604
Date Received: 09/17/96

Site: Harbor Gateway Center - Torrance, Ca.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance, Ca.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
227869	59637360	09/16/96	2010.	0.	100	<0.001	0.001	<0.001
Location: Area sample - Building 67, outside VFT removal area at col. G5, during removal.								
227870	59637361	09/16/96	2270.					
Location: Area sample - Building 37, outside fireproofing removal area, column C13, during removal. t suitable for analysis. Sample overloaded with particulate.								
227871	59637362	09/16/96	0.	0.	100			
Location: Field Blank. Blank filters are reported only as number of fibers and fields counted.								
227872	59637363	09/16/96	0.	0.	100			
Location: Field Blank. Blank filters are reported only as number of fibers and fields counted.								
227873	59637364	09/16/96	1340.	1.5	100	<0.002	0.002	<0.002
Location: Area sample - Building 67, outside VFT removal area, at col. G5, during removal.								
227874	59637365	09/16/96	505.	1.	100	<0.005	0.005	<0.005
Location: Area sample - Building 67, outside vinyl floor tile removal area, at col. G13, during removal.								
227875	59637366	09/16/96	525.					
Location: Area sample - Building 37, outside fireproofing removal area, at col. during removal. Not suitable for analysis. Sample overloaded with particulate.								

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582666
Date Received: 09/19/96

Site: Harbor Gateway Center - Torrance, Ca.

P.O. Num:
Job ID: Harbor Gateway Center.

FASI Job ID: 1730

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
227883	59637743	09/18/96	1482.8	5.	100	0.001	0.001	0.002
Location: Area sample - 1st floor building 34, during abatement, center of corridor by neg. air units.								
227884	59637744	09/18/96	836.					
Location: Area sample - 1st floor building 37, during abatement, outside decon by Col. C14. Not suitable for analysis. Sample overloaded with particulate.								
227885	59637745	09/18/96	0.	0.	100			
Location: Field Blank. Blank filters are reported only as number of fibers and fields counted.								
227886	59637746	09/18/96	425.					
Location: Area sample - 2nd floor building 37, north stairwell landing, outside fireproofing removal area. Not suitable for analysis. Sample overloaded with particulate.								
227887	59637747	09/18/96	0.	1.	100			
Location: Field Blank. Blank filters are reported only as number of fibers and fields counted.								
227888	59637748	09/18/96	375.	3.	100	<0.007	0.007	0.007
Location: Area sample - 1st floor building 34, during abatement, center of corridor by neg. air units.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582698
Date Received: 09/20/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
227889	59637953	09/19/96	650.	3.	100	<0.004	0.004	0.004
Location: Area sample - Bldg. 37, 1st floor, outside work area during fireproofing removal, column C13.								
227890	59637954	09/19/96	1125.					
Location: Area sample - Bldg. 67, outside work area during bead blasting of mastic, column G5. Not suitable for analysis. Sample overloaded with particulate.								
227891	59637955	09/19/96	625.	0.	100	<0.004	0.004	<0.004
Location: Area sample - Bldg. 67, outside work area during bead blasting of mastic, column G5.								
227892	59637956	09/19/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
227893	59637957	09/19/96	0.	1.5	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
227894	59637958	09/19/96	285.					
Location: Area sample - Bldg. 37, 4th floor outside work area during fireproofing removal near n. exit door. Not suitable for analysis. Sample overloaded with particulate.								

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(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582728
Date Received: 09/23/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
227895	59638144	09/20/96	1070.	1.	100	<0.002	0.002	<0.002
Location: Area sample - Bldg. 67, outside VFT removal area, during bead blasting, column G5.								
227896	59638145	09/20/96	1065.					
Location: Area sample - Bldg. 37, outside fireproofing removal area during removal, 1st floor, column C13. Not suitable for analysis. Sample overloaded with particulate.								
227897	59638146	09/20/96	700.	2.5	100	<0.003	0.003	0.003
Location: Area sample - Bldg. 37, outside VFT removal area during bead blasting, column G5.								
227898	59638147	09/20/96	1250.	4.	100	<0.002	0.002	0.002
Location: Area sample - Bldg. 34, south end of main hall, during VFT removal, 1st floor.								
FB-1	59638148	09/20/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
FB-2	59638149	09/20/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582643
Date Received: 09/18/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
227877	59637644	09/17/96	1264.8	29.	100	0.011	0.002	0.014
Location: Area sample - Background, bldg. 34, 1st floor, south end of hallway near containment.								
227878	59637645	09/17/96	1264.8	25.5	100	0.009	0.002	0.013
Location: Area sample - Background, bldg. 34, 1st floor, center of hallway near section manager's office.								
227879	59637646	09/17/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
227870	59637647	09/17/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
227881	59637648	09/17/96	420.					
Location: Area sample - Bldg. 37, north stairwell, 1st floor, area outside containment, during removal.								
Not suitable for analysis. Sample overloaded with particulate.								
227882	59637649	09/17/96	725.	1.5	100	<0.003	0.003	<0.003
Location: Area sample - Bldg. 34, 1st floor, center of corridor between both neg. air units.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583015
Date Received: 10/04/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
227976	59640496	09/23/96	750.2	9.	100	0.005	0.003	0.009
Location: Area sample - Bldg. 67, column G9, outside containment during bead blasting. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
227977	59640497	09/23/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
227978	59640498	09/23/96	976.8	8.5	100	0.004	0.002	0.006
Location: Area sample - Bldg. 37, column A10 (entrance to ladies room), outside containment near bag-out area. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
227979	59640499	09/23/96	1208.	13.	100	0.005	0.002	0.007
Location: Clearance sample - Bldg. 34, 1st floor, north office. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
227980	59640500	09/23/96	0.	2.5	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
227981	59640501	09/23/96	664.4					
Location: Area sample - Bldg. 37, column A10 (entrance to ladies room), outside containment near bag-out area. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582828
Date Received: 09/25/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
227983	59639002	09/24/96	1050.	5.5	100	0.002	0.002	0.004
Location: Area sample - Bldg. 37, outside work area during fireproofing removal, column C13.								
227984	59639003	09/24/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
227985	59639004	09/24/96	0.	1.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
227986	59639005	09/24/96	875.	2.5	100	<0.003	0.003	<0.003
Location: Area sample - Bldg. 67, outside VFT removal area during bead blasting, column G5.								
227987	59639006	09/24/96	960.	4.5	100	0.002	0.002	0.004
Location: Area sample - Bldg. 37, outside work area during fireproofing removal, column C13.								
227988	59639007	09/24/96	980.	1.5	100	<0.002	0.002	<0.002
Location: Area sample - Bldg. 67, outside VFT removal area during bead blasting, column G5.								

Matilde Antillon

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582866
Date Received: 09/26/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
227989	59639188	09/25/96	0.	1.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
227990	59639189	09/25/96	0.	1.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
227991	59639190	09/25/96	1560.	43.5	100	0.013	0.001	0.017
Location: Area sample - Bldg. 37, outside fireproofing removal area, 1st floor at column C13.								
This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
227992	59639191	09/25/96	1490.	16.5	100	0.005	0.001	0.007
Location: Area sample - Bldg. 67, outside VFT removal area during mastic removal and clean-up, column G5.								
This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
227994	59639192	09/25/96	890.	1.5	100	<0.003	0.003	<0.003
Location: Area sample - Bldg. 67, outside VFT removal area during mastic removal and clean-up, column G5.								
This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
227995	59639193	09/25/96	830.	1.	100	<0.003	0.003	<0.003
Location: Area sample - Bldg. 37, outside fireproofing removal area, 1st floor at column C13.								
This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582864
Date Received: 09/26/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
227996	59639178	09/26/96	1140.	2.5	100	<0.002	0.002	0.002
Location: Area sample - Bldg. 67, outside containment during bead blasting, column G5.								
227997	59639179	09/26/96	960.	2.	100	<0.002	0.002	0.002
Location: Area sample - Bldg. 37, inside containment during removal, column C13.								
227998	59639180	09/26/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
227999	59639181	09/26/96	304.5	0.	100	<0.008	0.008	<0.008
Location: Area sample - Bldg. 1, next to glove-bag area in breezeway.								
228000	59639182	09/26/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228001	59639183	09/26/96	760.	4.	100	<0.003	0.003	0.004
Location: Area sample - Bldg. 37, outside containment during removal, column C13.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582885
Date Received: 09/27/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228003	59639315	09/27/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228004	59639316	09/27/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228002	59639317	09/27/96	2295.	2.	100	<0.001	0.001	<0.001
Location: Area sample - Bldg. 37, outside work area during fireproofing removal, column C13.								
228005	59639318	09/27/96	2200.	7.5	100	0.001	0.001	0.002
Location: Area sample - Bldg. 1 (tunnel to bldg. 34), north end of tunnel during window removal.								
228006	59639319	09/27/96	1200.	0.	100	<0.002	0.002	<0.002
Location: Clearance sample - Bldg. 67, VFT removal area, north end.								
228007	59639320	09/27/96	1200.	9.	100	0.003	0.002	0.005
Location: Clearance sample - Bldg. 67, VFT removal area, center.								
228008	59639321	09/27/96	1200.	3.	100	<0.002	0.002	0.002
Location: Clearance sample - Bldg. 67, VFT removal area, south end.								

Matilde Antillon

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582919
Date Received: 10/01/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228009	59639773	09/30/96	1500.	14.	100	0.004	0.001	0.006
Location: Area sample - Bldg. 37, outside work area during fireproofing removal, 1st floor, column C13.								
228010	59639774	09/30/96	850.	2.5	100	<0.003	0.003	<0.003
Location: Area sample - Bldg. 37, outside work area during fireproofing removal, 1st floor, column C13.								
228011	59639775	09/30/96	1230.	5.	100	<0.002	0.002	0.003
Location: Area sample - Bldg. 1 tunnel to bldg. 34, north end during window removal.								
228012	59639776	09/30/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228013	59639777	09/30/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

Matilde Antillón

Matilde Antillón, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582942
Date Received: 10/02/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228014	59639964	10/01/96	1600.	5.	100	0.001	0.001	0.002
Location: Area sample - Bldg. 37, outside work area during fireproofing removal, 1st floor, column C13.								
228015	59639965	10/01/96	620.	5.	100	<0.004	0.004	0.006
Location: Area sample - Bldg. 37, outside work area during fireproofing removal, 1st floor, column C13.								
228016	59639966	10/01/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228017	59639967	10/01/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582979
Date Received: 10/03/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228020	59640177	10/02/96	1475.	5.	100	0.001	0.001	0.002
Location: Area sample - Bldg. 37, outside work area during fireproofing removal, 1st floor, column C13.								
228021	59640178	10/02/96	1950.	33.	100	0.008	0.001	0.01
Location: Area sample - Bldg. 61, glove-bag removal work area, column D35.								
228022	59640179	10/02/96	300.	6.5	100	0.01	0.008	0.017
Location: Area sample - Bldg. 61, glove-bag removal work area, column D35.								
228018	59640180	10/02/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228019	59640181	10/02/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228023	59640182	10/02/96	890.	7.	100	0.003	0.003	0.006
Location: Area sample - Bldg. 37, outside work area during fireproofing removal, 1st floor, column C13.								
228024	59640183	10/02/96	850.	8.5	100	0.004	0.003	0.007
Location: Area sample - Bldg. 61, in glove-bag removal work area, column D35.								

Matilde Antillón

Matilde Antillón, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582979
Date Received: 10/03/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228025	59640184	10/02/96	600.	3.5	100	<0.004	0.004	0.005

Location: Area sample - Bldg. 37, at waste dumpster during waste bag loading, 1st floor.

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582014
Date Received: 10/04/96

Site: Harbor Gateway Center, Torrance, Ca.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, Ca.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228026	59640476	10/03/96	550.	4.	100	<0.004	0.004	0.006
Location: Area sample - Bldg. 61, glovebag removal, work area, Col. D32.								
228122	59640477	10/03/96	790.	4.	100	<0.003	0.003	0.004
Location: Area sample - Bldg. 61, glovebag removal, work area, Col. D32.								
228028	59640478	10/03/96	1410.	3.	100	0.001	0.001	0.002
Location: Area sample - Bldg. 37, outside decon of upper floors, fireproofing removal area, 1st fl., Col. C13.								
228120	59640493	10/03/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228121	59640494	10/03/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228123	59640495	10/03/96	710.	6.5	100	0.004	0.003	0.007
Location: Area sample - Bldg. 37, outside decon of upper floors, fireproofing removal area, 1st fl., Col. C13.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583078
Date Received: 10/07/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228029	59640870	10/04/96	1035.	10.5	100	0.004	0.002	0.007
Location: Area sample - Bldg. 61, glove-bag pipe insulation removal work area, column B30.								
228032	59640871	10/04/96	835.	4.	100	<0.003	0.003	0.004
Location: Area sample - Bldg. 61, glove-bag pipe insulation removal work area, column B30.								
228030	59640872	10/04/96	1615.	12.5	100	0.003	0.001	0.005
Location: Area sample - Bldg. 37 outside decon of upper flrs. fireproofing removal area, 1st flr., column C13. Filter loaded with particulate which may affect analytical result.								
228033	59640873	10/04/96	835.	23.5	100	0.013	0.003	0.018
Location: Area sample - Bldg. 37 outside decon of upper flrs. fireproofing removal area, 1st flr., column C13. Filter loaded with particulate which may affect analytical result.								
228031	59640874	10/04/96	1575.	101.5	98	0.032	0.001	0.037
Location: Area sample - Bldg. 67, glove-bag pipe fitting insulation removal work area, column G5. Filter loaded with particulate which may affect analytical result.								
228034	59640875	10/04/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228035	59640876	10/04/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

Matilde Antillón

Matilde Antillón, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583113
Date Received: 10/08/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228124	59641327	10/07/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228125	59641328	10/07/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228126	59641329	10/07/96	1590.	3.	100	<0.001	0.001	0.001
Location: Area sample - Bldg. 37, outside decon of upper floors removal area, 1st floor, column C13.								
228129	59641330	10/07/96	670.	7.	100	0.005	0.004	0.008
Location: Area sample - Bldg. 37, outside decon of upper floors removal area, 1st floor, column C13.								
228127	59641331	10/07/96	1620.	9.	100	0.002	0.001	0.004
Location: Area sample - Bldg. 61, glove-bag work area, during removal, column D30.								
228130	59641332	10/07/96	550.	4.	100	<0.004	0.004	0.006
Location: Area sample - Bldg. 61, glove-bag work area, during removal, column D30.								
228128	59641333	10/07/96	1635.	10.	100	0.002	0.001	0.004
Location: Area sample - Bldg. 67, glove-bag work area, during removal, column G6.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583113
Date Received: 10/08/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228131	59641334	10/07/96	570.	1.5	100	<0.004	0.004	<0.004

Location: Area sample - Bldg. 67, glove-bag work area, during removal, column G6.

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582598
Date Received: 09/16/96
Date Analyzed: 09/16/96

Lab Number: 59637309
Date Collected: 09/16/96
Sample Number: RF-37D
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance, Ca.
Site: Harbor Gateway Center - Torrance, Ca.

Location: Roofing - Building 37, north roof, northeast quadrant.

Gross Description: Black roofing material and tan fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		40-45 %
Cellulose	40-45 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		55-60 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582598
Date Received: 09/16/96
Date Analyzed: 09/16/96

Lab Number: 59637310
Date Collected: 09/16/96
Sample Number: RF-37E
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance, Ca.
Site: Harbor Gateway Center - Torrance, Ca.

Location: Roofing - Building 37, north roof, southeast quadrant.

Gross Description: Black roofing material and tan fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		40-45 %
Cellulose	40-45 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		55-60 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582598
Date Received: 09/16/96
Date Analyzed: 09/16/96

Lab Number: 59637311
Date Collected: 09/16/96
Sample Number: VFT-67
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance, Ca.
Site: Harbor Gateway Center - Torrance, Ca.

Location: 12" X 12" VFT, off-white with mastic - Building 67.

Gross Description: Beige floor tile with black mastic.

Comments: Asbestos in tile (1-5%) and mastic (1-5%). Composite reported.

icroscopic Description

TOTAL ASBESTOS PRESENT:		1-5 %
Chrysotile	1-5 %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Trace %
Cellulose	Trace %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		95-99 %

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Bulk Asbestos Analysis Summary
40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 582620
Date Received: 09/17/96
Date Analyzed: 09/17/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center.
Site: Harbor Gateway Center (Building 34) - Torrance, Ca.

Sample Number Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
9VFT-34 Beige 9" X 9" tile - Building 34, under plywood on 2nd floor.	09/17/96	59637480	1-5%	Chrysotile (1-5%)

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582620
Date Received: 09/17/96
Date Analyzed: 09/17/96

Lab Number: 59637480
Date Collected: 09/17/96
Sample Number: 9VFT-34
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center.
Site: Harbor Gateway Center (Building 34) - Torrance, Ca.

Location: Beige 9" X 9" tile - Building 34, under plywood on 2nd floor.

Gross Description: Beige floor tile with black mastic.

Comments: Asbestos in tile (1-5%). Composite reported.

Microscopic Description

TOTAL ASBESTOS PRESENT:		1-5 %
Chrysotile	1-5 %	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Non-Det.%
Cellulose	Non-Det.%	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		95-99 %

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Bulk Asbestos Analysis Summary
40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 582697
Date Received: 09/20/96
Date Analyzed: 09/20/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Sample Number / Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
RF-37-E-1A Roofing - Bldg. 37, highest northeast portion of bldg., center of south roof area, near stairs.	09/19/96	59637947	Non-Det.%	
RF-37-E-1B Roofing - Bldg. 37, highest northeast portion of bldg., center of roof.	09/19/96	59637948	Non-Det.%	
RF-37-E-1C Roofing - Bldg. 37, highest northeast portion of bldg., near northeast corner.	09/19/96	59637949	Non-Det.%	
FL-37-E-2A Flashing - Bldg. 37, highest northeast portion of bldg., south edge, center.	09/19/96	59637950	Trace%	Chrysotile (Trace%)
FL-37-E-2B Flashing - Bldg. 37, highest northeast portion of bldg., west edge, at south ladder.	09/19/96	59637951	Trace%	Chrysotile (Trace%)
FL-37-E-2C Flashing - Bldg. 37, highest northeast portion of bldg., north edge, near northeast corner.	09/19/96	59637952	Trace%	Chrysotile (Trace%)

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582697
Date Received: 09/20/96
Date Analyzed: 09/20/96

Lab Number: 59637947
Date Collected: 09/19/96
Sample Number: RF-37-E-1A
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Location: Roofing - Bldg. 37, highest northeast portion of bldg., center of south roof area, near stairs.
Gross Description: Black multi-layered roofing material and gray cementitious material.

Comments:

.icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		40-45 %
Cellulose	40-45 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		55-60 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582697
Date Received: 09/20/96
Date Analyzed: 09/20/96

Lab Number: 59637948
Date Collected: 09/19/96
Sample Number: RF-37-E-1B
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Location: Roofing - Bldg. 37, highest northeast portion of bldg., center of roof.
Gross Description: Black multi-layered roofing material and gray cementitious material.

Comments:

.icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		40-45 %
Cellulose	40-45 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		55-60 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582697
Date Received: 09/20/96
Date Analyzed: 09/20/96

Lab Number: 59637949
Date Collected: 09/19/96
Sample Number: RF-37-E-1C
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Location: Roofing - Bldg. 37, highest northeast portion of bldg., near northeast corner.
Gross Description: Black multi-layered roofing material and gray cementitious material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		40-45 %
Cellulose	40-45 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		55-60 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company
4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582697
Date Received: 09/20/96
Date Analyzed: 09/20/96

Lab Number: 59637950
Date Collected: 09/19/96
Sample Number: FL-37-E-2A
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Location: Flashing - Bldg. 37, highest northeast portion of bldg., south edge, center.
Gross Description: Black roofing material with paint.

Comments: Asbestos in paint (5-10%). Composite reported.

icroscopic Description

TOTAL ASBESTOS PRESENT:		Trace %
Chrysotile	Trace %	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		40-45 %
Cellulose	40-45 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		55-60 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582697
Date Received: 09/20/96
Date Analyzed: 09/20/96

Lab Number: 59637951
Date Collected: 09/19/96
Sample Number: FL-37-E-2B
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Location: Flashing - Bldg. 37, highest northeast portion of bldg., west edge, at south ladder.
Gross Description: Black roofing material with paint.

Comments: Asbestos in paint (5-10%). Composite reported.

icroscopic Description

TOTAL ASBESTOS PRESENT:		Trace %
Chrysotile	Trace %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		40-45 %
Cellulose	40-45 %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		55-60 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582697
Date Received: 09/20/96
Date Analyzed: 09/20/96

Lab Number: 59637952
Date Collected: 09/19/96
Sample Number: FL-37-E-2C
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Location: Flashing - Bldg. 37, highest northeast portion of bldg., north edge, near northeast corner.
Gross Description: Black roofing material with paint.

Comments: Asbestos in paint (5-10%). Composite reported.

icroscopic Description

TOTAL ASBESTOS PRESENT:		Trace %
Chrysotile	Trace %	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		40-45 %
Cellulose	40-45 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		55-60 %

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Forensic Analytical

POINT COUNT REPORT

McDonnell Douglas Realty Company
4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID:	5851
Report Number:	582006
Date Received:	08/08/96
Date Analyzed:	09/23/96

****

Sample Number:	34-12A	Lab Number:	59631996
Job ID:	Torrance, Bldg. 34	Analyst:	MA
ESD Job ID:	1730		

****

Preparation Method:

The NESHAP Final Rule does not define the preparation method for multilayered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

Result:

Sample Description: Tan non-fibrous material.

Point Count Data:

Number of Asbestos Points Counted:	0
Number of Non-empty Points Counted:	400
Percent Asbestos:	None Detected
Asbestos Type(s) Detected:	None Detected

Analytical Method: NESHAP Final Rule, 40 CFR, Part 61

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Laboratory Supervisor Matilde Antillon

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Forensic Analytical

POINT COUNT REPORT

McDonnell Douglas Realty Company
4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID:	5851
Report Number:	582004
Date Received:	08/08/96
Date Analyzed:	09/23/96

****

Sample Number:	37-13A	Lab Number:	59631975
Job ID:	Torrance, Bldg. 37	Analyst:	MA
ESD Job ID:	1730		

****

Preparation Method:

The NESHAP Final Rule does not define the preparation method for multilayered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

Result:

Sample Description: Drywall, joint compound, tape and paint.

Point Count Data:

Number of Asbestos Points Counted: (Joint Compound Only)	3
Number of Non-empty Points Counted:	400
Percent Asbestos in Joint Compound:	<1%
Composite Percent Asbestos:	<1%
Asbestos Type(s) Detected:	Chrysotile

Analytical Method: NESHAP Final Rule, 40 CFR, Part 61

****

Laboratory Supervisor _____
Matilde Antillon

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583139
Date Received: 10/09/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228134	59641599	10/08/96	420.	14.5	100	0.016	0.006	0.024
Location: Area sample - Bldg. 61, in glove-bag pipe insulation removal area, 2nd floor, column D35.								
228135	59641600	10/08/96	1120.	4.5	100	<0.002	0.002	0.003
Location: Area sample - Bldg. 37 outside decon of upper floors fireproofing removal, 1st floor, column C13.								
228137	59641601	10/08/96	1190.	4.	100	<0.002	0.002	0.003
Location: Area sample - Bldg. 37, outside 1st floor fireproofing removal area during removal, column C5.								
228133	59641602	10/08/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228132	59641603	10/08/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228136	59641604	10/08/96	1000.	5.	100	0.002	0.002	0.004
Location: Area sample - Bldg. 67, beneath lift with glove-bag removal in progress, column C6.								
228138	59641605	10/08/96	885.	1.	100	<0.003	0.003	<0.003
Location: Area sample - Bldg. 37, outside decon of upper floors fireproofing removal area, 1st flr., col. C13.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583200
Date Received: 10/10/96

Site: Harbor Gateway Center - Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228139	59642087		0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228140	59642088		0.	1.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228141	59642089		1450.	8.5	100	0.002	0.001	0.004
Location: Area sample - Bldg. 37 outside upper flr. work area decon during fireproof. rem., 1st flr., col.C13.								
228142	59642090		2820.					
Location: Area sample - Bldg. 37 outside 1st floor north work area during fireproof. rem., 1st flr., col. C13. Not suitable for analysis. Sample overloaded with particulate.								
228143	59642091		140.	0.5	100	<0.019	0.019	<0.019
Location: Area sample - Bldg. 61, glove-bag removal area during pipe insltn. removal w/waste bag, column D32.								
228144	59642092		470.	5.	100	0.005	0.005	0.009
Location: Area sample - Bldg. 61, glove-bag removal area during pipe insltn. removal w/waste bag, column D32.								
228145	59642093		1570.	4.5	100	0.001	0.001	0.002
Location: Area sample - Bldg. 37 outside upper flr. work area decon during fireproof. removal, 1st flr., C13.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583249
Date Received: 10/14/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228150	59642417		0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228151	59642418		0.	1.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228152	59642419	10/11/96	1096.	2.5	100	<0.002	0.002	0.002
Location: Area sample - Bldg. 37, outside 1st floor north work area during fireproofing removal, column C5.								
228153	59642420	10/11/96	1088.	3.5	100	<0.002	0.002	0.002
Location: Area sample - Bldg. 37, outside upper floors work area during bead blasting/mastic, 1st floor, C13.								

Matilde Antillón

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583272
Date Received: 10/14/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228036	59642536	10/14/96	1220.	19.	100	0.007	0.002	0.01
Location: Area sample - Bldg. 37, 1st floor, 35' east of column C5.								
228037	59642537	10/14/96	1190.	14.5	100	0.005	0.002	0.008
Location: Area sample - Bldg. 37, 1st floor, adjacent column C16.								
228038	59642538	10/14/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228039	59642539	10/14/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228040	59642540	10/14/96	710.	5.5	100	0.003	0.003	0.006
Location: Area sample - Bldg. 37, 1st floor, 35' east of column C5.								
228041	59642541	10/14/96	710.	6.5	100	0.004	0.003	0.007
Location: Area sample - Bldg. 37, 1st floor, adjacent column C16.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583309
Date Received: 10/15/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228154	59642874	10/15/96	1105.	3.5	100	0.003	0.002	0.005
Location: Area sample - Bldg. 37, 1st floor, 35' east of column G5.								
228155	59642875	10/15/96	1085.	5.5	100	0.002	0.002	0.004
Location: Area sample - Bldg. 37, 1st floor, adjacent column C16.								
228156	59642876	10/15/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228157	59642877	10/15/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228159	59642878	10/15/96	1000.	6.	100	0.002	0.002	0.004
Location: Area sample - Bldg. 37, 1st floor, 35' east of column G5.								
228160	59642879	10/15/96	1000.	6.	100	0.002	0.002	0.004
Location: Area sample - Bldg. 37, 1st floor, adjacent column C16.								

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583357
Date Received: 10/16/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228161	59643188	10/16/96	1029.	7.5	100	0.003	0.002	0.005
Location: Area sample - Bldg. 37, 1st floor, at column C16, 50' southwest of decon entry.								
228162	59643189	10/16/96	860.	3.5	100	<0.003	0.003	0.003
Location: Area sample - Bldg. 37, 1st floor, adjacent column C6, bag-out area.								
228163	59643190	10/16/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228164	59643191	10/16/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583358
Date Received: 10/16/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228167	59643192	10/16/96	1245.	18.5	100	0.007	0.002	0.01
Location: Clearance sample - Bldg. 61, 1st floor, northeast office area, north end, inside containment. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228168	59643193	10/16/96	1215.	16.5	100	0.006	0.002	0.009
Location: Clearance sample - Bldg. 61, 1st floor, northeast office area, south end, inside containment. is sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228169	59643194	10/16/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
228170	59643195	10/16/96	0.	1.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583390
Date Received: 10/17/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228165	59643421	10/17/96	1152.	8.5	100	0.003	0.002	0.005
Location: Area sample - Bldg. 37, 1st floor, adj. column C16.								
228166	59643422	10/17/96	1149.	8.	100	0.003	0.002	0.005
Location: Area sample - Bldg. 37, 1st floor, adj. column A15, 25' south of decon entry.								
228171	59643423	10/17/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228172	59643424	10/17/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228173	59643425	10/17/96	1080.	5.5	100	0.002	0.002	0.004
Location: Area sample - Bldg. 61, 1st floor, adj. column D26, under glove-bag area.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583426
Date Received: 10/18/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228174	59643665	10/18/96	1230.	3.	100	<0.002	0.002	0.002
Location: Clearance sample - Building 37, 1st floor, northeast corner area, inside containment, north end. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228175	59643666	10/18/96	1230.	5.	100	<0.002	0.002	0.003
Location: Clearance sample - Building 37, 1st floor, northeast corner area, inside containment, south end. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228176	59643667	10/18/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
228177	59643668	10/18/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583427
Date Received: 10/18/96

Site: Harbor Gateway Center - Torrance, Ca.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance, Ca.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228178	59643669	10/18/96	1101.	7.	100	0.003	0.002	0.005
Location: Area sample - Building 37, 1st floor, at col C16, 50' south west of decon entry.								
228179	59643670	10/18/96	708.	2.	100	<0.003	0.003	<0.003
Location: Area sample - Building 61, 1st floor, adjacent col D26, below glovebag work.								
228180	59643671	10/18/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228181	59643672	10/18/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583534
Date Received: 10/24/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228043	59644623	10/23/96	1116.	33.	100	0.014	0.002	0.018
Location: Area sample - Bldg. 37, 1st floor, adjacent column A15, 20' north of decon entry.								
228045	59644624	10/23/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228046	59644625	10/23/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583535
Date Received: 10/24/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228265	59644626	10/24/96	1605.	12.	100	0.003	0.001	0.005
Location: Clearance sample - Bldg. 37 northeast office area, north stairwell landing between 2nd & 3rd floors. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228266	59644627	10/24/96	1560.	42.	100	0.013	0.001	0.016
Location: Clearance sample - Bldg. 37 northeast office area, 3rd floor, north side. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228267	59644628	10/24/96	1545.	31.	100	0.009	0.001	0.012
Location: Clearance sample - Bldg. 37 northeast office area, 3rd floor, south side. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228268	59644629	10/24/96	1485.	39.	100	0.012	0.001	0.016
Location: Clearance sample - Bldg. 37 northeast office area, 2nd floor, south side. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228270	59644630	10/24/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
228271	59644631	10/24/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583533
Date Received: 10/24/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228272	59644620	10/24/96	785.	7.5	100	0.004	0.003	0.007
Location: Area sample - Bldg. 37, 1st floor, adjacent column A15, 20' south of decon entry.								
228274	59644621	10/24/96	0.	1.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228275	59644622	10/24/96	0.	1.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583536
Date Received: 10/24/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228182	59644632	10/21/96	1245.	16.	100	0.006	0.002	0.008
Location: Clearance sample - Bldg. 61, 1st floor, east office area, south portion, north room. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228183	59644633	10/21/96	1215.	21.	100	0.008	0.002	0.011
Location: Clearance sample - Bldg. 61, 1st floor, east office area, south portion, south room. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228184	59644634	10/21/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
228185	59644635	10/21/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583476
Date Received: 10/22/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228189	59644046	10/22/96	1134.	15.	100	0.006	0.002	0.009
Location: Area sample - Bldg. 37, 1st floor, adjacent column A15, 20' south of decon entry.								
228190	59644047	10/22/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228191	59644048	10/22/96	0.	1.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583588
Date Received: 10/28/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228276	59645026	10/25/96	897.	1.	100	<0.003	0.003	<0.003
Location: Area sample - Bldg. 37, 1st floor, 20' southwest of column A12.								
228277	59645027	10/25/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228278	59645028	10/25/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								

Matilde Antillon

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583589
Date Received: 10/28/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228280	59645029	10/28/96	1215.	5.5	100	0.002	0.002	0.003
Location: Area sample - Bldg. 37, 1st floor, 20' southwest of column A12, 30' north of decon entry.								
228281	59645030	10/28/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228282	59645031	10/28/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583641
Date Received: 10/31/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228283	59645472	10/29/96	1170.	11.5	100	0.004	0.002	0.007
Location: Area sample - Bldg. 37, 1st floor, at column C13, adjacent decon entry.								
228284	59645473	10/29/96	1017.	100.	87	0.055	0.002	0.064
Location: Area sample - Bldg. 37, 1st floor, at column C4, adjacent bag-out decon entry.								
228285	59645474	10/29/96	0.	1.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228286	59645475	10/29/96	0.	1.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								

Matilde Antillón

Matilde Antillón, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583642
Date Received: 10/31/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228287	59645476	10/30/96	1254.	100.	78	0.05	0.002	0.058
Location: Area sample - Bldg. 37, 1st floor, 10' east of column C4, adjacent to bag-out decon entry.								
228288	59645477	10/30/96	678.	93.	100	0.067	0.003	0.078
Location: Area sample - Bldg. 37, 1st floor, at column C13, adjacent to decon entry.								
228289	59645478	10/30/96	0.	1.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228290	59645479	10/30/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583773
Date Received: 11/06/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228291	59646470	10/31/96	884.	29.	100	0.016	0.003	0.021
Location: Area sample - Bldg. 37, 1st floor, at column C4 adjacent to bag-out decon entry.								
228292	59646471	10/31/96	666.	32.5	100	0.023	0.004	0.03
Location: Area sample - Bldg. 37, 1st floor, at column C13 adjacent to decon entry.								
228293	59646472	10/31/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228294	59646473	10/31/96	0.	1.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228295	59646474	10/31/96	543.	23.5	100	0.021	0.004	0.028
Location: Area sample - Bldg. 37, 1st floor, at column C4 adjacent to bag-out decon entry.								
228296	59646475	10/31/96	540.	47.	100	0.042	0.004	0.052
Location: Area sample - Bldg. 37, 1st floor, at column C13 adjacent to decon entry.								

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583774
Date Received: 11/06/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228297	59646476	11/01/96	924.	100.	98	0.054	0.002	0.062
Location: Area sample - Bldg. 37, 1st floor, at column C13 adjacent to decon entry.								
228298	59646477	11/01/96	924.	100.	41	0.129	0.002	0.15
Location: Area sample - Bldg. 37, 1st floor, at column C4 adjacent to bag-out decon entry.								
228299	59646478	11/01/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228300	59646479	11/01/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228301	59646480	11/01/96	555.	100.	26	0.339	0.004	0.394
Location: Area sample - Bldg. 37, 1st floor, at column C13 adjacent to decon entry.								
228302	59646481	11/01/96	560.	100.	27	0.324	0.004	0.376
Location: Area sample - Bldg. 37, 1st floor, at column C4 adjacent to bag-out decon entry.								

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583772
Date Received: 11/06/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228308	59646466	11/04/96	1263.	100.	33	0.117	0.002	0.136
Location: Area sample - Bldg. 37, 1st floor, at column C13 adjacent to decon entry.								
228309	59646467	11/04/96	1254.	100.	50	0.078	0.002	0.09
Location: Area sample - Bldg. 37, 1st floor, at column C4 adjacent to bag-out decon entry.								
228310	59646468	11/04/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228311	59646469	11/04/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

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Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583717
Date Received: 11/04/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228303	59645928	11/04/96	1335.	56.	100	0.02	0.002	0.025
Location: Clearance sample - Bldg. 37, east office area, 4th floor, north end. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228304	59645929	11/04/96	1335.	21.	100	0.007	0.002	0.01
Location: Clearance sample - Bldg. 37, east office area, 4th floor, south end. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228305	59645930	11/04/96	1230.	100.	72	0.055	0.002	0.064
Location: Clearance sample - Bldg. 37, e. office area, s. stairwell, upper landing between 1st and 2nd floors. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228306	59645931	11/04/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
228307	59645932	11/04/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								

Matilde Antillon

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583771
Date Received: 11/06/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228312	59646462	11/05/96	1071.	100.	61	0.075	0.002	0.087
Location: Area sample - Bldg. 37, 1st floor, at column C13 adjacent to decon entry.								
228314	59646463	11/05/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228315	59646464	11/05/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228316	59646465	11/05/96	879.	100.	90	0.061	0.003	0.071
Location: Area sample - Bldg. 37, 1st floor, at column C4 adjacent to bag-out decon entry.								

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583792
Date Received: 11/07/96

Site: Harbor Gateway, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228317	59646696	11/06/96	1233.	39.	100	0.015	0.002	0.019
Location: Area sample - Bldg. 37, 1st floor at col. C13, adjacent to decon entry.								
228318	59646697	11/06/96	1233.	100.	77	0.051	0.002	0.059
Location: Area sample - Bldg. 37, 1st floor at col. C4, adjacent to bag-out decon entry.								
228319	59646698	11/06/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228320	59646699	11/06/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583818
Date Received: 11/08/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228321	59646901	11/07/96	1119.	23.	100	0.01	0.002	0.013
Location: Area sample - Bldg. 37, 1st floor, at column C13 adjacent to decon entry.								
228322	59646902	11/07/96	1113.	18.	100	0.007	0.002	0.011
Location: Area sample - Bldg. 37, 1st floor, at column A6, 30' southeast of bag-out decon entry.								
228323	59646903	11/07/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228324	59646904	11/07/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583836
Date Received: 11/08/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228329	59647029	11/08/96	1215.	34.	100	0.013	0.002	0.017
Location: Clearance sample - Bldg. 37, 1st floor, at column C11 inside containment. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228330	59647030	11/08/96	1230.	12.	100	0.004	0.002	0.007
Location: Clearance sample - Bldg. 37, 1st floor, at column C6 inside containment. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228331	59647031	11/08/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
228332	59647032	11/08/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								

Matilde Antillon

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583837
Date Received: 11/08/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228325	59647033	11/08/96	1008.	107.	32	0.162	0.002	0.188
Location: Area sample - Bldg. 37, 1st floor, 5' north of column A10, at north wall of east containment. Filter loaded with particulate which may affect analytical result.								
228326	59647034	11/08/96	485.	36.5	100	0.036	0.005	0.046
Location: Area sample - Bldg. 37, 1st floor, 5' north of column A10, at north wall of east containment.								
228327	59647035	11/08/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228328	59647036	11/08/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Los Angeles • 2959 Pacific Commerce Drive, Rancho Dominguez, CA 90221 • Phone 310/763-2374 • Fax 310/763-8684

Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583925
Date Received: 11/12/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228408	59647713	11/09/96	1148.	72.	100	0.03	0.002	0.036
Location: Area sample - Bldg. 37, 1st floor, 5' north of column A10, at north wall of east containment. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228409	59647714	11/09/96	860.	38.	100	0.021	0.003	0.027
Location: Area sample - Bldg. 37, 1st floor, adjacent column C10, below mini-enclosure. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228410	59647715	11/09/96	476.	5.	100	0.005	0.005	0.008
Location: Area sample - Bldg. 37, 1st floor, 5' north of column A10, at north wall of east containment. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228411	59647716	11/09/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
228412	59647717	11/09/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583930
Date Received: 11/12/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228413	59647764	11/09/96	729.	2.	100	<0.003	0.003	<0.003
Location: Area sample - Bldg. 29, at column B11, outside north containment wall.								
228414	59647765	11/09/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228415	59647766	11/09/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583928
Date Received: 11/12/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228416	59647726	11/11/96	687.	6.	100	0.004	0.003	0.007
Location: Area sample - Bldg. 29, at column B11, outside north containment wall.								
228417	59647727	11/11/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228418	59647728	11/11/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583926
Date Received: 11/12/96

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228420	59647718	11/11/96	1230.	13.	100	0.005	0.002	0.007
Location: Clearance sample - Bldg. 37, 1st floor, between columns A13 and C13, inside containment. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228421	59647719	11/11/96	1245.	16.	100	0.006	0.002	0.008
Location: Clearance sample - Bldg. 37, 1st floor, between columns A14 and C14, inside containment. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228422	59647720	11/11/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
228423	59647721	11/11/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583927
Date Received: 11/12/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228419	59647722	11/12/96	1104.	11.	100	0.004	0.002	0.007
Location: Area sample - Bldg. 29, adjacent column B11, outside north wall of containment.								
228420	59647723	11/12/96	540.	5.	100	0.004	0.004	0.007
Location: Area sample - Bldg. 29, adjacent column B11, outside north wall of containment.								
228425	59647724	11/12/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228426	59647725	11/12/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584112
Date Received: 11/21/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228427	59649153	11/13/96	932.	6.	100	0.003	0.002	0.005
Location: Area sample - Bldg. 29, adjacent column B11, outside north wall of containment. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228428	59649154	11/13/96	640.	3.5	100	<0.004	0.004	0.005
Location: Area sample - Bldg. 29, adjacent column B11, outside north wall of containment. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228429	59649155	11/13/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
228430	59649156	11/13/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								

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Matilde Antillón, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584111
Date Received: 11/21/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228431	59649150	11/14/96	1436.	19.	100	0.006	0.001	0.008
Location: Area sample - Bldg. 29, adjacent column B11, outside north wall of containment. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228432	59649151	11/14/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
228433	59649152	11/14/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584110
Date Received: 11/21/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228437	59649146	11/19/96	1100.	5.	100	0.002	0.002	0.003
Location: Area sample - Bldg. 29, at column B7, adjacent glove-bag activities. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228438	59649147	11/19/96	1090.	4.5	100	0.002	0.002	0.003
Location: Area sample - Bldg. 29, at column B9, adjacent glove-bag activities. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228439	59649148	11/19/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
228440	59649149	11/19/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584159
Date Received: 11/25/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228441	59649608	11/23/96	1275.	7.	100	0.002	0.002	0.004
Location: Clearance sample - Building 37, southeast office area, north end.								
This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228442	59649609	11/23/96	1275.	8.	100	0.003	0.002	0.004
Location: Clearance sample - Building 37, southeast office area, south end.								
This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228443	59649610	11/23/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								
228444	59649611	11/23/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584503
Date Received: 12/11/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228445	59651747	12/09/96	1920.	6.	100	0.001	0.001	0.002
Location: Area sample - Bldg. 29, near containment decon, debris bag-up and bag-out. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228446	59651748	12/09/96	0.	1.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
228447	59651749	12/09/96	0.	1.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								

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Airborne Fiber Analysis
(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584504
Date Received: 12/11/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228448	59651750	12/10/96	1775.	4.	100	0.001	0.001	0.002
Location: Area sample - Bldg. 29, north end of containment at bag-out area/bag-out activities. This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228449	59651751	12/10/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
228450	59651752	12/10/96	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								

Matilde Antillón

Matilde Antillón, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584606
Date Received: 12/16/96

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228451	59652573	12/12/96	1507.2	8.	100	0.002	0.001	0.004
Location: Clearance sample - Bldg. 29, inside containment, north end.								
This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228452	59652574	12/12/96	1507.2	6.	100	0.001	0.001	0.003
Location: Clearance sample - Bldg. 29, inside containment, south end.								
This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.								
228453	59652575	12/12/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								
228454	59652576	12/12/96	0.	0.	100			
Location: Field blank.								
Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584889
Date Received: 01/06/97

Site: Harbor Gateway Center, Torrance.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228624	59654711	01/06/97	285.	0.	100	<0.009	0.009	<0.009
Location: Area sample - Bldg. 1, north end at appendage wall, galbestos panel removal.								
228625	59654712	01/06/97	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228626	59654713	01/06/97	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584969
Date Received: 01/09/97

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228627	59700299	01/09/97	240.	2.5	100	<0.011	0.011	<0.011
Location: Area sample - Bldg. 29, at column 29-A19, east side of bldg., TSI removal, general construction.								
228628	59700300	01/09/97	0.	1.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								
228629	59700301	01/09/97	0.	0.	100			
Location: Field blank. Blank filters are reported only as number of fibers and fields counted.								

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Airborne Fiber Analysis

(NIOSH 7400 Method, issue 2, 15 August 1994, counting rules "A")

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 585217
Date Received: 01/22/97

Site: Harbor Gateway Center, Torrance, CA.

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.

Sample Number	Lab Number	Date Collected	Sample Volume (L)	Fibers Counted	Fields Counted	Calculated f/cc	Calculated LOD (f/cc)	95% UCL f/cc
228455	59701960	01/16/97	1296.	5.	100	<0.002	0.002	0.003

Location: Clearance sample - Northeast area of field, I-beam containment area adjacent bldg. 37.
This sample was analyzed on-site by an AAR registered analyst, not in an AIHA accredited laboratory.

228456	59701961	01/16/97	0.	0.	100

Location: Field blank.
Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.

228457	59701962	01/16/97	0.	0.	100

Location: Field blank.
Blank filters are reported only as number of fibers and fields counted. This sample was analyzed on-site.

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Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Asbestos Analysis Summary
40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 582598
Date Received: 09/16/96
Date Analyzed: 09/16/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance, Ca.
Site: Harbor Gateway Center - Torrance, Ca.

Sample Number / Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
CFF-37 Mastic - Building 37, 4th floor, computer flooring feet, from bottom of foot.	09/16/96	59637305	Non-Det.%	
RF-37A Roofing - Building 37, north roof, southwest quadrant.	09/16/96	59637306	Non-Det.%	
RF-37B Roofing - Building 37, north roof, northwest quadrant, southeast of HVAC unit.	09/16/96	59637307	Non-Det.%	
RF-37C Roofing - Building 37, north roof, northwest quadrant, north of HVAC unit.	09/16/96	59637308	Non-Det.%	
RF-37D Roofing - Building 37, north roof, northeast quadrant.	09/16/96	59637309	Non-Det.%	
RF-37E Roofing - Building 37, north roof, southeast quadrant.	09/16/96	59637310	Non-Det.%	

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Bulk Asbestos Analysis Summary

40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 582598
Date Received: 09/16/96
Date Analyzed: 09/16/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance, Ca.
Site: Harbor Gateway Center - Torrance, Ca.

Sample Number Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
VFT-67 12" X 12" VFT, off-white with mastic - Building 67.	09/16/96	59637311	1-5%	Chrysotile (1-5%)

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582598
Date Received: 09/16/96
Date Analyzed: 09/16/96

Lab Number: 59637305
Date Collected: 09/16/96
Sample Number: CFF-37
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance, Ca.
Site: Harbor Gateway Center - Torrance, Ca.

Location: Mastic - Building 37, 4th floor, computer flooring feet, from bottom of foot.
Gross Description: Black mastic.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Trace %
Cellulose	Trace %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		99-100 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582598
Date Received: 09/16/96
Date Analyzed: 09/16/96

Lab Number: 59637306
Date Collected: 09/16/96
Sample Number: RF-37A
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance, Ca.
Site: Harbor Gateway Center - Torrance, Ca.

Location: Roofing - Building 37, north roof, southwest quadrant.

Gross Description: Black roofing material and tan fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		40-45 %
Cellulose	40-45 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		55-60 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582598
Date Received: 09/16/96
Date Analyzed: 09/16/96

Lab Number: 59637307
Date Collected: 09/16/96
Sample Number: RF-37B
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance, Ca.
Site: Harbor Gateway Center - Torrance, Ca.

Location: Roofing - Building 37, north roof, northwest quadrant, southeast of HVAC unit.
Gross Description: Black roofing material and tan fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det. %
Chrysotile	Non-Det. %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		40-45 %
Cellulose	40-45 %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		55-60 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5351
Report Number: 582598
Date Received: 09/16/96
Date Analyzed: 09/16/96

Lab Number: 59637308
Date Collected: 09/16/96
Sample Number: RF-37C
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance, Ca.
Site: Harbor Gateway Center - Torrance, Ca.

Location: Roofing - Building 37, north roof, northwest quadrant, north of HVAC unit.
Gross Description: Black roofing material and tan fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		40-45 %
Cellulose	40-45 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		55-60 %

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Bulk Asbestos Analysis Summary

40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 582842
Date Received: 09/26/96
Date Analyzed: 09/26/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Sample Number Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
RF-IT-1A Field roofing and underlying ceiling panel - Bldg. 1 tunnel to bldg. 34, south end, center.	09/25/96	59639120	Non-Det.%	

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company
4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582842
Date Received: 09/26/96
Date Analyzed: 09/26/96

Lab Number: 59639120
Date Collected: 09/25/96
Sample Number: RF-IT-1A
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Location: Field roofing and underlying ceiling panel - Bldg. 1 tunnel to bldg. 34, south end, center.
Gross Description: Black and white multi-layered roof material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		30-35 %
Cellulose	30-35 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		65-70 %

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Los Angeles • 2959 Pacific Commerce Drive, Rancho Dominguez, CA 90221 • Phone 310/763-2374 • Fax 310/763-8684

Bulk Asbestos Analysis Summary

40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 582865
Date Received: 09/26/96
Date Analyzed: 09/27/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance (Bldg. 34).

Sample Number Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
34-92696-3 Duct sealant tar - Ducts of west roof area.	09/26/96	59639186	5-10%	Chrysotile (5-10%)
34-92696-4 Insulation - Inside fan unit on west roof area.	09/26/96	59639187	Non-Det.%	

Matilde Antillon

Matilde Antillon/ Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582865
Date Received: 09/26/96
Date Analyzed: 09/27/96

Lab Number: 59639186
Date Collected: 09/26/96
Sample Number: 34-92696-3
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance (Bldg. 34).

Location: Duct sealant tar - Ducts of west roof area.

Gross Description: Black fibrous tar.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:			5-10	%
Chrysotile	5-10	%		
Amosite	Non-Det.	%		
		%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			5-10	%
Cellulose	Trace	%		
Fibrous Glass	5-10	%		
		%		
		%		
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:			80-85	%

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582865
Date Received: 09/26/96
Date Analyzed: 09/27/96

Lab Number: 59639187
Date Collected: 09/26/96
Sample Number: 34-92696-4
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance (Bldg. 34).

Location: Insulation - Inside fan unit on west roof area.

Gross Description: Black felt.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		90-95 %
Cellulose	90-95 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		5-10 %

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Bulk Asbestos Analysis Summary

40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 582879
Date Received: 09/27/96
Date Analyzed: 09/27/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance
Site: Harbor Gateway Center, Torrance.

Sample Number Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
SOH-37-1A Field roofing - Canopy connecting bldg. 37 with tunnel from bldg. 1, west portion.	09/27/96	59639294	1-5%	Chrysotile (1-5%)
SOH-37-1B Field roofing - Canopy connecting bldg. 37 with tunnel from bldg. 1, east portion.	09/27/96	59639295	5-10%	Chrysotile (5-10%)
SOH-37-2A Sealant tar on flashing/patches - Canopy connecting bldg.37 w/tunnel from bldg.1, bldg.37 flashing.	09/27/96	59639296	Non-Det.%	

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582879
Date Received: 09/27/96
Date Analyzed: 09/27/96

Lab Number: 59639294
Sample Number: SOH-37-1A
P.O. Num:
Job ID: Harbor Gateway Center, Torrance
Site: Harbor Gateway Center, Torrance.

Date Collected: 09/27/96
FASI Job ID: 1730

Location: Field roofing - Canopy connecting bldg. 37 with tunnel from bldg. 1, west portion.
Gross Description: Black multi-layered roof material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:			1-5	%
Chrysotile	1-5	%		
Amosite	Non-Det.	%		
		%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			55-60	%
Cellulose	50-55	%		
Fibrous Glass	Trace	%		
Synthetic	1-5	%		
		%		
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:			35-40	%

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582879
Date Received: 09/27/96
Date Analyzed: 09/27/96

Lab Number: 59639295
Date Collected: 09/27/96
Sample Number: SOH-37-1B
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance
Site: Harbor Gateway Center, Torrance.

Location: Field roofing - Canopy connecting bldg. 37 with tunnel from bldg. 1, east portion.
Gross Description: Black multi-layered roof material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:			5-10	%
Chrysotile	5-10	%		
Amosite	Non-Det.	%		
		%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			25-30	%
Cellulose	Trace	%		
Fibrous Glass	25-30	%		
		%		
		%		
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:			60-65	%

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582879
Date Received: 09/27/96
Date Analyzed: 09/27/96

Lab Number: 59639296
Date Collected: 09/27/96
Sample Number: SOH-37-2A
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance
Site: Harbor Gateway Center, Torrance.

Location: Sealant tar on flashing/patches - Canopy connecting bldg.37 w/tunnel from bldg.1, bldg.37 flashing.
Gross Description: Black multi-layered roof material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		65-70 %
Cellulose	60-65 %	
Fibrous Glass	Non-Det.%	
Synthetic	1-5 %	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		30-35 %

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Bulk Asbestos Analysis Summary

40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 583233
Date Received: 10/11/96
Date Analyzed: 10/11/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance.
Site: Harbor Gateway Center - Torrance.

Sample Number / Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
RPP-67-1A Tar sealant - Bldg. 67 roof, southeast corner roof railing pitch pot, top sealant.	10/11/96	59642245	5-10%	Chrysotile (5-10%)
RPP-67-2A Tar sealant - Bldg. 67 roof, southeast corner roof railing pitch pot, base sealant.	10/11/96	59642246	5-10%	Chrysotile (5-10%)
RPP-67-2B Tar sealant - Bldg. 67 roof, east railing pitch pot at main roof seam, base sealant.	10/11/96	59642247	5-10%	Chrysotile (5-10%)
RPP-67-1B Tar sealant - Bldg. 67 roof, northwest corner roof railing pitch pot, top sealant.	10/11/96	59642248	5-10%	Chrysotile (5-10%)
DST-67-3A Tar sealant - Bldg. 67 roof, southeast corner rooftop HVAC unit, southwest corner at duct/base seam.	10/11/96	59642249	5-10%	Chrysotile (5-10%)

Matilde Antillón

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Asbestos Analysis Summary

40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 582921
Date Received: 10/01/96
Date Analyzed: 10/01/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, Ca.
Site: Harbor Gateway Center - Torrance, Ca.

Sample Number Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
RF-IT-1B Field Roofing - Building 1 tunnel to building 34, near north end.	09/30/96	59639780	Non-Det.%	

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582921
Date Received: 10/01/96
Date Analyzed: 10/01/96

Lab Number: 59639780
Date Collected: 09/30/96
Sample Number: RF-IT-1B
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, Ca.
Site: Harbor Gateway Center - Torrance, Ca.

Location: Field Roofing - Building 1 tunnel to building 34, near north end.
Gross Description: Black roofing material and white semi-fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		30-35 %
Cellulose	30-35 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		65-70 %

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Bulk Asbestos Analysis Summary

40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 582920
Date Received: 10/01/96
Date Analyzed: 10/01/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, Ca.
Site: Harbor Gateway Center, Torrance.

Sample Number / Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
WT-1-1A Tar coating - Cinderblock wall section, bldg. 1, north appendage, north end of wall.	09/30/96	59639778	Non-Det.%	
WT-1-1B Tar coating - Cinderblock wall section, bldg. 1, north appendage, south end of wall.	09/30/96	59639779	Non-Det.%	

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582920
Date Received: 10/01/96
Date Analyzed: 10/01/96

Lab Number: 59639778
Sample Number: WT-1-1A
P.O. Num:
Job ID: Harbor Gateway Center, Torrance, Ca.
Site: Harbor Gateway Center, Torrance.

Date Collected: 09/30/96
FASI Job ID: 1730

Location: Tar coating - Cinderblock wall section, bldg. 1, north appendage, north end of wall.
Gross Description: Black non-fibrous tar.

Comments:

.icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Non-Det.%
Cellulose	Non-Det.%	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		99-100 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582920
Date Received: 10/01/96
Date Analyzed: 10/01/96

Lab Number: 59639779
Date Collected: 09/30/96
Sample Number: WT-1-1B
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, Ca.
Site: Harbor Gateway Center, Torrance.

Location: Tar coating - Cinderblock wall section, bldg. 1, north appendage, south end of wall.
Gross Description: Black non-fibrous tar.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Non-Det.%
Cellulose	Non-Det.%	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		99-100 %

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Bulk Asbestos Analysis Summary
40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 582991
Date Received: 10/03/96
Date Analyzed: 10/03/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Sample Number Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
RFDK-34-1A White roof deck structural material - Near northwest corner.	10/03/96	59640220	Non-Det.%	
RFDK-34-1B White roof deck structural material - Near east access ladder.	10/03/96	59640221	Non-Det.%	
RFDK-34-1C White roof deck structural material - Center, southwest quadrant.	10/03/96	59640222	Non-Det.%	

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582991
Date Received: 10/03/96
Date Analyzed: 10/03/96

Lab Number: 59640220
Sample Number: RFDK-34-1A
P.O. Num:
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Date Collected: 10/03/96
FASI Job ID: 1730

Location: White roof deck structural material - Near northwest corner.

Gross Description: Beige plaster with a fibrous backing.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		15-20 %
Cellulose	15-20 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		80-85 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582991
Date Received: 10/03/96
Date Analyzed: 10/03/96

Lab Number: 59640221
Sample Number: RFDK-34-1B
P.O. Num:
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Date Collected: 10/03/96
FASI Job ID: 1730

Location: White roof deck structural material - Near east access ladder.
Gross Description: Beige plaster with a fibrous backing.

Comments:

Microscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		15-20 %
Cellulose	15-20 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		80-85 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 582991
Date Received: 10/03/96
Date Analyzed: 10/03/96

Lab Number: 59640222
Date Collected: 10/03/96
Sample Number: RFDK-34-1C
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Location: White roof deck structural material - Center, southwest quadrant.
Gross Description: Beige plaster.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		5-10 %
Cellulose	5-10 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		90-95 %

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Bulk Asbestos Analysis Summary

40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 583076
Date Received: 10/07/96
Date Analyzed: 10/07/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Sample Number / Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
PWFL-34-1A Parapet wall flashing - Bldg. 34, east wall, at roof access ladder.	10/07/96	59640861	5-10%	Chrysotile (5-10%)
PWFL-34-1B Parapet wall flashing - Bldg. 34, north wall, near northwest corner.	10/07/96	59640862	5-10%	Chrysotile (5-10%)
HPSF-67-1B Pipe fitting mudded insulation (high pressure steam pipe) - Bldg. 67, near column B4.	10/07/96	59640863	25-30%	Amosite (25-30%)
HPSF-67-1A White block pipe insulation (high pressure steam pipe) - Bldg. 67, between columns C12 and C13.	10/07/96	59640864	Non-Det.%	

Matilde Antillón

Matilde Antillón, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583076
Date Received: 10/07/96
Date Analyzed: 10/07/96

Lab Number: 59640861
Sample Number: PWFL-34-1A
P.O. Num:
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Date Collected: 10/07/96
FASI Job ID: 1730

Location: Parapet wall flashing - Bldg. 34, east wall, at roof access ladder.
Gross Description: Black roofing material, gray tar and silver paint.

Comments: Asbestos in black roofing material (5-10%) and gray tar (1-5%). Composite reported.

icroscopic Description

TOTAL ASBESTOS PRESENT:			5-10	%
Chrysotile	5-10	%		
Amosite	Non-Det.	%		
		%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			20-25	%
Cellulose	1-5	%		
Fibrous Glass	15-20	%		
		%		
		%		
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:			65-70	%

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583076
Date Received: 10/07/96
Date Analyzed: 10/07/96

Lab Number: 59640862
Sample Number: PWFL-34-1B
P.O. Num:
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Date Collected: 10/07/96
FASI Job ID: 1730

Location: Parapet wall flashing - Bldg. 34, north wall, near northwest corner.
Gross Description: Black roofing material and silver paint.

Comments: Asbestos in black roofing material (5-10%). Composite reported.

icroscopic Description

TOTAL ASBESTOS PRESENT:			5-10	%
Chrysotile	5-10	%		
Amosite	Non-Det.	%		
		%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			40-45	%
Cellulose	5-10	%		
Fibrous Glass	30-35	%		
		%		
		%		
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:			45-50	%

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583076
Date Received: 10/07/96
Date Analyzed: 10/07/96

Lab Number: 59640863
Sample Number: HPSF-67-1B
P.O. Num:
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Date Collected: 10/07/96
FASI Job ID: 1730

Location: Pipe fitting mudded insulation (high pressure steam pipe) - Bldg. 67, near column B4.
Gross Description: White semi-fibrous material.

Comments:

Microscopic Description

TOTAL ASBESTOS PRESENT:		25-30 %
Chrysotile	Non-Det. %	
Amosite	25-30 %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		35-40 %
Cellulose	20-25 %	
Fibrous Glass	10-15 %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		30-35 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583076
Date Received: 10/07/96
Date Analyzed: 10/07/96

Lab Number: 59640864
Date Collected: 10/07/96
Sample Number: HPSF-67-1A
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Location: White block pipe insulation (high pressure steam pipe) - Bldg. 67, between columns C12 and C13.
Gross Description: Yellow semi-fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		20-25 %
Cellulose	10-15 %	
Fibrous Glass	5-10 %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		75-80 %

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Bulk Asbestos Analysis Summary

40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 583233
Date Received: 10/11/96
Date Analyzed: 10/11/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance.
Site: Harbor Gateway Center - Torrance.

Sample Number Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
DST-67-3B Tar sealant - Bldg. 67 roof, northwest corner rooftop HVAC unit, top of duct near southwest corner.	10/11/96	59642250	5-10%	Chrysotile (5-10%)
BPPT-67-4A Black pitch pot tar - South roof railing pitch pot at southeast roof access ladder.	10/11/96	59642251	Non-Det.%	
BPPT-67-4B Black pitch pot tar - Northeast corner roof railing pitch pot.	10/11/96	59642252	Non-Det.%	

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583233
Date Received: 10/11/96
Date Analyzed: 10/11/96

Lab Number: 59642245
Sample Number: RPP-67-1A
P.O. Num:
Job ID: Harbor Gateway Center - Torrance.
Site: Harbor Gateway Center - Torrance.

Date Collected: 10/11/96
FASI Job ID: 1730

Location: Tar sealant - Bldg. 67 roof, southeast corner roof railing pitch pot, top sealant.
Gross Description: Black mastic.

Comments:

Microscopic Description

TOTAL ASBESTOS PRESENT:		5-10 %
Chrysotile	5-10 %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Non-Det. %
Cellulose	Non-Det. %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		90-95 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583233
Date Received: 10/11/96
Date Analyzed: 10/11/96

Lab Number: 59642246
Sample Number: RPP-67-2A
P.O. Num:
Job ID: Harbor Gateway Center - Torrance.
Site: Harbor Gateway Center - Torrance.

Date Collected: 10/11/96
FASI Job ID: 1730

Location: Tar sealant - Bldg. 67 roof, southeast corner roof railing pitch pot, base sealant.
Gross Description: Black mastic.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		5-10 %
Chrysotile	5-10 %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Non-Det. %
Cellulose	Non-Det. %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		90-95 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583233
Date Received: 10/11/96
Date Analyzed: 10/11/96

Lab Number: 59642247
Date Collected: 10/11/96
Sample Number: RPP-67-2B
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance.
Site: Harbor Gateway Center - Torrance.

Location: Tar sealant - Bldg. 67 roof, east railing pitch pot at main roof seam, base sealant.
Gross Description: Black mastic.

Comments:

Microscopic Description

TOTAL ASBESTOS PRESENT:		5-10 %
Chrysotile	5-10 %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Non-Det. %
Cellulose	Non-Det. %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		90-95 %

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Los Angeles • 2959 Pacific Commerce Drive, Rancho Dominguez, CA 90221 • Phone 310/763-2374 • Fax 310/763-8684

Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583233
Date Received: 10/11/96
Date Analyzed: 10/11/96

Lab Number: 59642248
Date Collected: 10/11/96
Sample Number: RPP-67-1B
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance.
Site: Harbor Gateway Center - Torrance.

Location: Tar sealant - Bldg. 67 roof, northwest corner roof railing pitch pot, top sealant.
Gross Description: Black mastic.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		5-10 %
Chrysotile	5-10 %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Non-Det. %
Cellulose	Non-Det. %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		90-95 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583233
Date Received: 10/11/96
Date Analyzed: 10/11/96

Lab Number: 59642249
Date Collected: 10/11/96
Sample Number: DST-67-3A
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance.
Site: Harbor Gateway Center - Torrance.

Location: Tar sealant - Bldg. 67 roof, southeast corner rooftop HVAC unit, southwest corner at duct/base seam.
Gross Description: Black mastic.

Comments:

Microscopic Description

TOTAL ASBESTOS PRESENT:		5-10 %
Chrysotile	5-10 %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Non-Det. %
Cellulose	Non-Det. %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		90-95 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583233
Date Received: 10/11/96
Date Analyzed: 10/11/96

Lab Number: 59642250
Date Collected: 10/11/96
Sample Number: DST-67-3B
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance.
Site: Harbor Gateway Center - Torrance.

Location: Tar sealant - Bldg. 67 roof, northwest corner rooftop HVAC unit, top of duct near southwest corner.
Gross Description: Black mastic.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		5-10 %
Chrysotile	5-10 %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Non-Det. %
Cellulose	Non-Det. %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		90-95 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583233
Date Received: 10/11/96
Date Analyzed: 10/11/96

Lab Number: 59642251
Sample Number: BPPT-67-4A
P.O. Num:
Job ID: Harbor Gateway Center - Torrance.
Site: Harbor Gateway Center - Torrance.

Date Collected: 10/11/96
FASI Job ID: 1730

Location: Black pitch pot tar - South roof railing pitch pot at southeast roof access ladder.
Gross Description: Black tar.

Comments:

ficroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Non-Det.%
Cellulose	Non-Det.%	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		99-100 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583233
Date Received: 10/11/96
Date Analyzed: 10/11/96

Lab Number: 59642252
Date Collected: 10/11/96
Sample Number: BPPT-67-4B
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center - Torrance.
Site: Harbor Gateway Center - Torrance.

Location: Black pitch pot tar - Northeast corner roof railing pitch pot.
Gross Description: Black tar.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Non-Det.%
Cellulose	Non-Det.%	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		99-100 %

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Bulk Asbestos Analysis Summary

40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 583922
Date Received: 11/12/96
Date Analyzed: 11/12/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Sample Number Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
R-29-1 Roofing tar (layer under roofing) - Bldg. 29, west roof, center, at access ladder.	11/12/96	59647679	Non-Det.%	
R-29-2 Roofing tar (layer under roofing) - Bldg. 29, center roof, north end.	11/12/96	59647680	Non-Det.%	
R-29-3 Roofing tar (layer under roofing) - Bldg. 29, center roof, adjacent 4th vent from south end.	11/12/96	59647681	Non-Det.%	
R-29-4 Roof tar (layer under roofing) - Bldg. 29, e. roof adj. access ladder to center roof, on substrate.	11/12/96	59647682	Non-Det.%	

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583922
Date Received: 11/12/96
Date Analyzed: 11/12/96

Lab Number: 59647679
Date Collected: 11/12/96
Sample Number: R-29-1
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Location: Roofing tar (layer under roofing) - Bldg. 29, west roof, center, at access ladder.
Gross Description: Brown fibrous material and black tar.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		55-60 %
Cellulose	55-60 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		40-45 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583922
Date Received: 11/12/96
Date Analyzed: 11/12/96

Lab Number: 59647680
Sample Number: R-29-2
P.O. Num:
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Date Collected: 11/12/96
FASI Job ID: 1730

Location: Roofing tar (layer under roofing) - Bldg. 29, center roof, north end.
Gross Description: Brown fibrous material and black tar.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		55-60 %
Cellulose	55-60 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		40-45 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583922
Date Received: 11/12/96
Date Analyzed: 11/12/96

Lab Number: 59647681
Sample Number: R-29-3
P.O. Num:
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Date Collected: 11/12/96
FASI Job ID: 1730

Location: Roofing tar (layer under roofing) - Bldg. 29, center roof, adjacent 4th vent from south end.
Gross Description: Brown fibrous material and black tar.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		55-60 %
Cellulose	55-60 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		40-45 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 583922
Date Received: 11/12/96
Date Analyzed: 11/12/96

Lab Number: 59647682
Date Collected: 11/12/96
Sample Number: R-29-4
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Location: Roof tar (layer under roofing) - Bldg. 29, e. roof adj. access ladder to center roof, on substrate.
Gross Description: Black tar.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Trace %
Cellulose	Trace %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		99-100 %

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Bulk Asbestos Analysis Summary

40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 584155
Date Received: 11/22/96
Date Analyzed: 11/22/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.
Site: Harbor Gateway Center, Torrance, CA.

Sample Number Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
1122-37-1 Roofing tar (upper layer) - Building 37, south roof, adjacent ladder to north roof.	11/22/96	59649587	1-5%	Chrysotile (1-5%)
1122-37-2 Roofing tar (upper layer) - Building 37, south roof, central.	11/22/96	59649588	1-5%	Chrysotile (1-5%)
1122-37-3 Roofing tar (upper layer) - Building 37, south roof, at south wall.	11/22/96	59649589	1-5%	Chrysotile (1-5%)

Matilde Antillón

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584155
Date Received: 11/22/96
Date Analyzed: 11/22/96

Lab Number: 59649587
Sample Number: 1122-37-1
P.O. Num:
Job ID: Harbor Gateway Center, Torrance, CA.
Site: Harbor Gateway Center, Torrance, CA.

Date Collected: 11/22/96
FASI Job ID: 1730

Location: Roofing tar (upper layer) - Building 37, south roof, adjacent ladder to north roof.
Gross Description: Black tar with stones.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		1-5 %
Chrysotile	1-5 %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Trace %
Cellulose	Trace %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		95-99 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584155
Date Received: 11/22/96
Date Analyzed: 11/22/96

Lab Number: 59649588
Date Collected: 11/22/96
Sample Number: 1122-37-2
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.
Site: Harbor Gateway Center, Torrance, CA.

Location: Roofing tar (upper layer) - Building 37, south roof, central.

Gross Description: Black tar with stones.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		1-5	%
Chrysotile	1-5 %		
Amosite	Non-Det. %		
	%		
	%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Trace	%
Cellulose	Trace %		
Fibrous Glass	Non-Det. %		
	%		
	%		
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		95-99	%

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584155
Date Received: 11/22/96
Date Analyzed: 11/22/96

Lab Number: 59649589
Date Collected: 11/22/96
Sample Number: 1122-37-3
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.
Site: Harbor Gateway Center, Torrance, CA.

Location: Roofing tar (upper layer) - Building 37, south roof, at south wall.
Gross Description: Black tar with stones.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		1-5	%
Chrysotile	1-5 %		
Amosite	Non-Det. %		
	%		
	%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Trace	%
Cellulose	Trace %		
Fibrous Glass	Non-Det. %		
	%		
	%		
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		95-99	%

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Bulk Asbestos Analysis Summary

40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 584157
Date Received: 11/25/96
Date Analyzed: 11/25/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.
Site: Harbor Gateway Center, Torrance, CA.

Sample Number / Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
W-01 Wall material - Bldg. 37, 1st floor, outer west surface of elevator structure, above ceiling level.	11/23/96	59649602	Non-Det.%	
W-02 Wall material - Bldg. 37/1st flr., outer s. surface of elev. structure, above door & ceiling level.	11/23/96	59649603	Non-Det.%	
W-03 Wall material - Bldg. 37/1st flr., s.w. corner of outer surface of elev. structure, above ceiling.	11/23/96	59649604	Non-Det.%	

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584157
Date Received: 11/25/96
Date Analyzed: 11/25/96

Lab Number: 59649602
Sample Number: W-01
P.O. Num:
Job ID: Harbor Gateway Center, Torrance, CA.
Site: Harbor Gateway Center, Torrance, CA.

Date Collected: 11/23/96
FASI Job ID: 1730

Location: Wall material - Bldg. 37, 1st floor, outer west surface of elevator structure, above ceiling level.
Gross Description: Beige non-fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		5-10 %
Cellulose	1-5 %	
Fibrous Glass	1-5 %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		90-95 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584157
Date Received: 11/25/96
Date Analyzed: 11/25/96

Lab Number: 59649603
Date Collected: 11/23/96
Sample Number: W-02
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.
Site: Harbor Gateway Center, Torrance, CA.

Location: Wall material - Bldg. 37/1st flr., outer s. surface of elev. structure, above door & ceiling level.
Gross Description: Beige non-fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		5-10 %
Cellulose	1-5 %	
Fibrous Glass	1-5 %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		90-95 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584157
Date Received: 11/25/96
Date Analyzed: 11/25/96

Lab Number: 59649604
Date Collected: 11/23/96
Sample Number: W-03
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.
Site: Harbor Gateway Center, Torrance, CA.

Location: Wall material - Bldg. 37/1st flr., s.w. corner of outer surface of elev. structure, above ceiling.
Gross Description: Beige non-fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		5-10 %
Cellulose	1-5 %	
Fibrous Glass	1-5 %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		90-95 %

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Bulk Asbestos Analysis Summary
40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 584371
Date Received: 12/06/96
Date Analyzed: 12/06/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.
Site: Harbor Gateway Center, Torrance, CA.

Sample Number / Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
29-01A Black cove base - Bldg. 29, northwest corner walls.	12/06/96	59650967	Trace%	Chrysotile (Trace%)
29-01B Black cove base - Bldg. 29, north end, west wall.	12/06/96	59650968	Trace%	Chrysotile (Trace%)
29-01C Black cove base - Bldg. 29, inside containment, central office area.	12/06/96	59650969	Non-Det.%	
29-01D Black cove base - Bldg. 29, from trash pile, center of floor.	12/06/96	59650970	Non-Det.%	
29-01E Black cove base - Bldg. 29, inside containment, southeast corner office area.	12/06/96	59650971	Trace%	Chrysotile (Trace%)

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584371
Date Received: 12/06/96
Date Analyzed: 12/06/96

Lab Number: 59650967
Sample Number: 29-01A
P.O. Num:
Job ID: Harbor Gateway Center, Torrance, CA.
Site: Harbor Gateway Center, Torrance, CA.

Date Collected: 12/06/96
FASI Job ID: 1730

Location: Black cove base - Bldg. 29, northwest corner walls.

Gross Description: Black baseboard with brown mastic.

Comments: Asbestos in mastic (1-5%). Composite reported.

icroscopic Description

TOTAL ASBESTOS PRESENT:		Trace %
Chrysotile	Trace %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Trace %
Cellulose	Trace %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		98-99 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584371
Date Received: 12/06/96
Date Analyzed: 12/06/96

Lab Number: 59650968
Date Collected: 12/06/96
Sample Number: 29-01B
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.
Site: Harbor Gateway Center, Torrance, CA.

Location: Black cove base - Bldg. 29, north end, west wall.

Gross Description: Black baseboard with brown mastic.

Comments: Asbestos in mastic (1-5%). Composite reported.

.icroscopic Description

TOTAL ASBESTOS PRESENT:		Trace %
Chrysotile	Trace %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Trace %
Cellulose	Trace %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		98-99 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584371
Date Received: 12/06/96
Date Analyzed: 12/06/96

Lab Number: 59650969
Sample Number: 29-01C
P.O. Num:
Job ID: Harbor Gateway Center, Torrance, CA.
Site: Harbor Gateway Center, Torrance, CA.

Date Collected: 12/06/96
FASI Job ID: 1730

Location: Black cove base - Bldg. 29, inside containment, central office area.
Gross Description: Black baseboard with brown mastic.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Trace %
Cellulose	Trace %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		99-100 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584371
Date Received: 12/06/96
Date Analyzed: 12/06/96

Lab Number: 59650970
Sample Number: 29-01D
P.O. Num:
Job ID: Harbor Gateway Center, Torrance, CA.
Site: Harbor Gateway Center, Torrance, CA.

Date Collected: 12/06/96
FASI Job ID: 1730

Location: Black cove base - Bldg. 29, from trash pile, center of floor.

Gross Description: Black baseboard with brown mastic.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Trace %
Cellulose	Trace %	
Fibrous Glass	Non-Det.%	
Wollastonite	Trace %	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		99-100 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584371
Date Received: 12/06/96
Date Analyzed: 12/06/96

Lab Number: 59650971
Date Collected: 12/06/96
Sample Number: 29-01E
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA.
Site: Harbor Gateway Center, Torrance, CA.

Location: Black cove base - Bldg. 29, inside containment, southeast corner office area.
Gross Description: Black baseboard with brown mastic.

Comments: Asbestos in mastic (1-5%). Composite reported.

icroscopic Description

TOTAL ASBESTOS PRESENT:		Trace %
Chrysotile	Trace %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		Trace %
Cellulose	Trace %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		98-99 %

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Bulk Asbestos Analysis Summary

40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 584756
Date Received: 12/26/96
Date Analyzed: 12/26/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Sample Number Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
29-01A Vibration flex joint - Bldg. 29, northwest corner duct.	12/24/96	59653800	55-60%	Chrysotile (55-60%)

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Analytical Report

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Los Angeles • 2959 Pacific Commerce Dr., Rancho Dominguez, CA 90221 • Phone 310/763-2374 • Fax 310/763-8684

Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584756
Date Received: 12/26/96
Date Analyzed: 12/26/96

Lab Number: 59653800
Sample Number: 29-01A
P.O. Num:
Job ID: Harbor Gateway Center, Torrance.
Site: Harbor Gateway Center, Torrance.

Date Collected: 12/24/96
FASI Job ID: 1730

Location: Vibration flex joint - Bldg. 29, northwest corner duct.

Gross Description: Gray fibrous material with paint.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		55-60 %
Chrysotile	55-60 %	
Amosite	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		30-35 %
Cellulose	30-35 %	
Fibrous Glass	Non-Det. %	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		5-10 %

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Bulk Asbestos Analysis Summary

40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 584823
Date Received: 12/31/96
Date Analyzed: 12/31/96

P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA (190th Street)
Site: Harbor Gateway Center, Torrance, CA (190th Street).

Sample Number / Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
190-01A Office Depot parking lot, near freeway.	12/31/96	59654276	25-30%	Chrysotile (25-30%)
190-01B Office Depot parking lot, base of customer handicap ramp.	12/31/96	59654277	25-30%	Chrysotile (25-30%)
190-01C PC warehouse, car in parking lot (L.P.#36TA599).	12/31/96	59654278	25-30%	Chrysotile (25-30%)
190-01D 190th Street, sidewalk adjacent bldg. 37 tower.	12/31/96	59654279	25-30%	Chrysotile (25-30%)
190-01E 190th Street, base of curb adjacent Plummer's parking lot.	12/31/96	59654280	25-30%	Chrysotile (25-30%)

Matilde Antillon

Matilde Antillon, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584823
Date Received: 12/31/96
Date Analyzed: 12/31/96

Lab Number: 59654276
Sample Number: 190-01A
P.O. Num:
Job ID: Harbor Gateway Center, Torrance, CA (190th Street)
Site: Harbor Gateway Center, Torrance, CA (190th Street).

Date Collected: 12/31/96
FASI Job ID: 1730

Location: Office Depot parking lot, near freeway.

Gross Description: Beige fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:			25-30	%
Chrysotile	25-30	%		
Amosite	Non-Det.	%		
		%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			45-50	%
Cellulose	5-10	%		
Fibrous Glass	35-40	%		
		%		
		%		
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:			20-25	%

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584823
Date Received: 12/31/96
Date Analyzed: 12/31/96

Lab Number: 59654277
Sample Number: 190-01B
P.O. Num:
Job ID: Harbor Gateway Center, Torrance, CA (190th Street)
Site: Harbor Gateway Center, Torrance, CA (190th Street).

Date Collected: 12/31/96
FASI Job ID: 1730

Location: Office Depot parking lot, base of customer handicap ramp.

Gross Description: Beige fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:			25-30 %
Chrysotile	25-30	%	
Amosite	Non-Det.	%	
		%	
		%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			45-50 %
Cellulose	5-10	%	
Fibrous Glass	35-40	%	
		%	
		%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:			20-25 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584823
Date Received: 12/31/96
Date Analyzed: 12/31/96

Lab Number: 59654278
Date Collected: 12/31/96
Sample Number: 190-01C
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA (190th Street)
Site: Harbor Gateway Center, Torrance, CA (190th Street).

Location: PC warehouse, car in parking lot (L.P.#36TA599).

Gross Description: Beige fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:			25-30 %
Chrysotile	25-30	%	
Amosite	Non-Det.	%	
		%	
		%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			45-50 %
Cellulose	5-10	%	
Fibrous Glass	35-40	%	
		%	
		%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:			20-25 %

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584823
Date Received: 12/31/96
Date Analyzed: 12/31/96

Lab Number: 59654279
Date Collected: 12/31/96
Sample Number: 190-01D
P.O. Num:
FASI Job ID: 1730
Job ID: Harbor Gateway Center, Torrance, CA (190th Street)
Site: Harbor Gateway Center, Torrance, CA (190th Street).

Location: 190th Street, sidewalk adjacent bldg. 37 tower.

Gross Description: Beige fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:			25-30 %
Chrysotile	25-30	%	
Amosite	Non-Det.	%	
		%	
		%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			45-50 %
Cellulose	5-10	%	
Fibrous Glass	35-40	%	
		%	
		%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:			20-25 %

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Bulk Asbestos Analysis Summary
40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client ID: 5851
Report Number: 584949
Date Received: 01/08/97
Date Analyzed: 01/09/97

P.O. Num:
FASI Job ID: 1730
Job ID: McDonnell Douglas - Harbor Gateway.
Site: McDonnell Douglas - Harbor Gateway.

Sample Number / Location/Description	Date Col.	Lab Num.	Asbestos Present	(Breakdown by type)
F-01A Pipe tape wrap - Northeast area of field, from south trench.	01/08/97	59700203	Non-Det.%	
F-01B Pipe tape wrap - Northeast area of field, from north trench.	01/08/97	59700204	Non-Det.%	

Matilde Antillón

Matilde Antillón, Laboratory Supervisor, Rancho Dominguez Laboratory

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Bulk Material Analysis

Method: 40 CFR 763, Subpart F, Appendix A (AHERA)

Client:
Mc Donnell Douglas Realty Company

4060 Lakewood Blvd., 6th Floor
Long Beach, CA 90808-1700

Client Number: 5851
Report Number: 584949
Date Received: 01/08/97
Date Analyzed: 01/09/97

Lab Number: 59700203
Date Collected: 01/08/97
Sample Number: F-01A
P.O. Num:
FASI Job ID: 1730
Job ID: McDonnell Douglas - Harbor Gateway.
Site: McDonnell Douglas - Harbor Gateway.

Location: Pipe tape wrap - Northeast area of field, from south trench.

Gross Description: Black non-fibrous material.

Comments:

icroscopic Description

TOTAL ASBESTOS PRESENT:		Non-Det.%
Chrysotile	Non-Det.%	
Amosite	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:		1-5 %
Cellulose	1-5 %	
Fibrous Glass	Non-Det.%	
	%	
	%	
TOTAL NON-ASBESTOS NONFIBROUS MATERIAL PRESENT:		95-99 %

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PART IV

FORENSIC ANALYTICAL ON-SITE DAILY INSPECTION LOGS

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Forensic Analytical Specialties, Incorporated

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Corp. Date : 9/11/96

Location: Harbor Gateway Center/-Torrance Technician: SBL

Contractor: CST Environmental Signature : [signature]

Abatement Area(s): Bldg 67 - NW VFT Area, Bldg. 37 - NE Fireproofing Area

I. JOB SCOPE

✓ Air Sampling	✓ Inspection
✓ Set-Up	✓ Set-Up
~~✓~~ Removal	~~✓~~ Removal
___ Cleaning	___ Finals
___ Finals	

. WORK AREA

✓ Containment ___ Glove-bagging

- Perimeter Sealed: No
- Area HVAC Off: Yes
- Shower and Decon Installed: Yes
- Shower Water Filtered: No
- Respirator (Make & Model): N/A

Differential Pressure Machines

- # of Machines: 3
- Make & Model: ___
- Visual Signs: N/A
- Pressure Reading: N/A

Time	Reading

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Los Angeles Office: 19443 Laurel Park Road, Suite 101, Rancho Dominguez, California 90220 • Telephone: 213/763-2374 Fax: 213/763-8684

Client: McDonnell Douglas Realty Date: 9/11/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

1300 - Forensic arrives on-site. No Forensic personnel list at gate. Obtain badge.

1315 - Meet Ricky Rickard (Supt.) at CST trailer. Tour Bldg 67 & 37 to point out removal areas. Setup in progress both areas. Demo 2nd Fl. Bldg 37. Removal to start in Bldg 67 tomorrow 0700. Removal to start in Bldg. 37 no earlier than 1000 tomorrow.

1330 - Set up background samples in Bldg. 67.

1400 - Check Bldg. 37. Demo continues on 2nd Fl. under containment (CST QC conditions). First floor and high bay fireproofed areas not prepped, will be abated after floors 2-4.

1430 - Met Ricky Rickard at Bldg. 67 work area after inspecting containment. Reported deficiencies to be corrected prior to start of removal tomorrow: Seal wall HVAC registers, seal suspended ceiling HVAC slots, seal holes from missing tiles in suspended ceiling.

1500 - Begin taking down background samples.

1525 - Depart site.

BOE-C6-0116591

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Date: 9/12/96

Location: Hilbar Gateway Center - Torrance Technician: Steve Young

Contractor: CST Environmental Signature: [signature]

Abatement Area(s): Bldg. 67 - NW floor tile area

I. JOB SCOPE

✓ Air Sampling
- ✓ Set-Up
- ✓ Removal
- Cleaning
- Finals

✓ Inspection
- ✓ Set-Up
- ✓ Removal
- Finals

II. WORK AREA

✓ Containment

Glove-bagging

- Perimeter Sealed: Yes *
- Area HVAC Off: Yes
- Shower and Decon Installed: Yes
- Shower Water Filtered: No, reused in work area
- Respirator (Make & Model: North Half-face

* see log for exceptions

Differential Pressure Machines

- # of Machines: 3
- Make & Model: Aero-Clean and Abatement Technologies 2000
- Visual Signs: Yes
- Pressure Reading: N/A

Time	Reading

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Los Angeles Office: 19443 Laurel Park Road, Suite 101, Rancho Dominguez, California 90220 • Telephone: 310/763-2374 Fax: 310/763-8684

Client: McDonnell Douglas Realty Date: 9/12/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0700 - FASI on site at CST trailer (Steve Long and Bob McWhorter). CST has already gone into work site. Check McDonnell-Douglas on-site office (locked).

0720 - FASI tours work sites Bldg 67 + 37. No work yet in Bldg 67. Demo and prep still underway in Bldg 37.

0822 - Set up first Bldg. 37 background sample on 4th Fl. Bob McWhorter cuts finger on 4th Fl. N. stairwell exit door (cut in opening for missing door handle). Cleaned and bandaged cut with first aid kit and Bob M. left site to get treatment at Del Amo Industrial Medical Clinic.

0842 - S. Long resumes setting backgrounds in Bldg. 37.

0845 - Made verbal report to John Marasco, who was travelling through Bldg 37 in cart, of injury to B. McWhorter's finger. John M. requested a written report.

0906 - Return to Bldg. 67. Removal getting underway. Foreman Douglas reports that critical barriers have been placed over all openings and HVAC grates. Set up air sample. Pump for second air sample is down.

0930 - Return to Bldg. 37 to check air samples. Power to 4th floor sample is off. Sample voided

Client: McDonnell-Douglas Date: 9/12/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1015 - FASI offices pages and reports that B. McWhorter has received 4 stitches in injured finger and been placed on light duty. Follow-up evaluation scheduled for tomorrow. Injury report paperwork in progress.

1030 - Return to Bldg. 67. Note through observation window that linear HVAC diffusers in suspended ceiling have not been sealed. Also note missing ceiling tile not sealed. Report to foreman, Douglas, who enters containment to begin repairs. Negative pressure evident by inward movement of plastic barriers.

1115 - Picked up samples from Bldg. 37. Filters blackened by torch cutting of equipment by others in the west portion of the building.

1130 - Lunch. Informed R. Rickard of Bldg. 67 deficiencies. Also discussed Bldg 37 raised flooring feet with VFT pieces still attached in open clear bags. R. Rickard to have material double-bagged in ACM bags. Asked R. Rickard to correct loose baseboard on 4th Fl. (ACM mastic).

1200 - Checked CST & McDonnell Douglas offices (locked)

1226 - Took down morning air sample in Bldg 67. Reset sample.

Client: McDonnell Douglas Realty Date: 9/12/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1226 (cont.) - Checked Bldg. 67 containment. N HVAC ceiling slots ~~[illegible]~~ sealed, but S slots still open. Removal continuing. Entered containment and found foreman Douglas sealing HVAC slots. All done except 2 Southernmost slots.

1240 - Met with R. Rickard in Bldg. 37. Raised flooring feet with attached tile pieces to be double-bagged. R. Rickard also directed crew to double-bag waste-baseboard on 4th Fl. Both wastes to be disposed of as non-friable ACM waste. Welding smoke still present in Bldg. 37.

1300 - Set up additional air sample in Bldg. 67.

1315 - Checked containment. Floor wet. HVAC slots sealed. Removal continuing. Floor tile has been removed from N end of building S to approx. Column line 5.

1400 - Checked Bldg 37. Raised flooring feet not yet double-bagged. Water to building has been lost. Foreman Fidel has called in their plumber to address the problem. Expect to have water restored tomorrow.

1430 - Checked John Marasco's office (locked).

1440 - Checked Bldg. 37. Prep continued. Water off.

Client: McDonnell Douglas Realty Date: 9/12/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1440 (cont.) - R. Rickard indicated that plumbers had cut the water main feeding the N portion of the complex. CST will seek permission to use the fire hydrant at Bldg. 37 tomorrow if water is not restored. Otherwise, Bldg. 37 crew may be sent home if no water is available.

1500 - No water in Bldg 67. Foreman to get HEPA vac from Bldg. 37 for decontamination of workers. Removal has progressed just past Column Line 5 from N end of Bldg. 67.

1515 - Checked J. Marasco office (locked.)

1530 - FAST off site.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDONNELL DOUGLAS Date: 9/13/96

Location: HARBOR GATEWAY CTR TOLERANCE Technician: E. C. WALLACE

Contractor: CST Signature: Wallace

Abatement Area(s): BLDG 67 - VAT & MASTIC ON NW SIDE OF BLDG

I. JOB SCOPE

X	Air Sampling		Inspection
	Set-Up		Set-Up
X	Removal		Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

X Containment ____ Glove-bagging

- Perimeter Sealed: X
- Area HVAC Off: X
- Shower and Decon Installed: X NOT IN USE
- Shower Water Filtered: NA
- Respirator (Make & Model: X
  HALF FACE, DOUBLE SUIT

Differential Pressure Machines

- # of Machines: 3
- Make & Model: ____
- Visual Signs: NA
- Pressure Reading: NA

Time	Reading

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Client: McDONNELL DOUGLAS Date: 9/13/96

Location: BLDG 37 and 67 - HARBOR GATEWAY CTR., TORRANCE

III. SUMMARY OF WORK/PROJECT NOTES

9/13/96 - 7AM STEVE LONG + EMILY WALLACE MET AT CST's TRAILER ON SITE. DROVE OVER TO ABATEMENT SITE IN BLDG 67. FOREMAN DOUGLAS EXPLAINED THAT THE CREW WAS 50% DONE W/ THE VINYL TILE REMOVAL. DOUGLAS ANTICIPATED COMPLETION OF THE TILE REMOVAL BY THE END OF THE DAY. BEAD BLASTING OF THE MASTIC IS SCHEDULED FOR MONDAY.

7:30 AM STEVE LONG + I DROVE TO BLDG 37 TO REVIEW CST's PROGRESS ON THE FIREPROOFING ABATEMENT PREPARATION AND DEMO. ~~RICKY RICARDO~~ RICARDO (RICK) SAID THEY HADN'T SECURED A WATER SOURCE YET BUT ANTICIPATED THEY WOULD HAVE A SOURCE BEFORE NOON. PREP. WAS IN THE FINAL STAGE ON THE 2nd FLOOR, DEMO AND DISPOSAL OF BLDG REMOVAL WAS ONGOING FOR THE 3rd FLOOR AND WAS ON HOLD PENDING A McDONNELL DOUGLAS DESICION ON THE COMPUTERS. ALL PREP WAS BEING DONE IN DOUBLE SUITS AND HALF FACE RESPIRATORS.

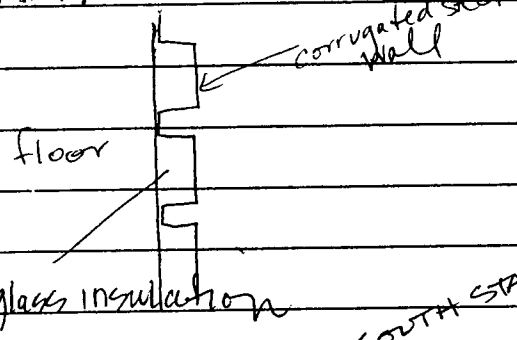
8:00 AM E.W. BEGAN AREA SAMPLING IN BLDG. 67. STEVE LONG DID A VISUAL INSPECTION ON THE 2nd FLOOR OF BLDG 37. STEVE LONG SAID EVERYTHING LOOKED READY W/ THE FOLLOWING EXCEPTIONS: (1) THE DUCTING WAS YET TO BE REMOVED AND REPLACED W/ CRITICAL

Client: McDonnell Douglas Date: 9/13/96

Location: BLDG 67 and 37 HARBOR GATEWAY CTR, TORRANCE

III. SUMMARY OF WORK/PROJECT NOTES

9/13 8:00 AM CONT BARRIERS. (2) THE FIBERGLASS INSULATION LOCATED IN THE OPENINGS ALLOWED BY THE CORRUGATED STEEL WALL AND THE FLOOR WERE TO BE HEPA VACCUUMED AN FILLED W/ FOAM.



AND (3) THE TRAFFIC FLOW IN THE SOUTH STAIRWELL BETWEEN THE 2nd and 3rd FLOOR WAS TO BE SEALED OFF OR REROUTED TO THE NORTH STAIRWELL ONCE REMOVAL OF THE FIREPROOFING COMMENCED.

9:00 AM B. LONG LEFT THE SITE. E. WALLACE STARTED THE BACKGROUND SAMPLING IN BLDG 67. DURING BACKGROUND SAMPLING, McDONNELL DOUGLAS CONTINUED TO DO DEMO (INCLUDING WELDING) IN THE SHOP AREA OF THE BLDG. TWO MORE ITEMS NEED TO BE ADRESSED PRIOR TO FIREPROOFING REMOVAL (1) FIX AND REINFORCE COVER OVER 2ND FLOOR CORRIDOR WINDOW SO DEBRIS BEING THROWN DOWN FROM 3RD + 4th FLOOR TO THE DUMPSTER DOESN'T TEAR THE SEAL AND THE

Client: McDONNELL DOUGLAS Date: 9/13/96

Location: BLDG 67 and 37 - HARBOR GATEWAY CTR, TORRANCE

III. SUMMARY OF WORK/PROJECT NOTES

9/13/96 9:00 AM Cont. SEAL ON THE 2nd FLOOR ACCESS TO THE NORTH FLOOR NEEDS RESEAL AND/OR REINFORCEMENT.

11:15 AM COMPLETED BACKGROUND AIR SAMPLING. STILL NO WATER AVAILABLE AND DEMO CONTINUES.

11:30 AM CST EMPLOYEES ON LUNCH BREAK

12 noon MET W/ RICKY RICARDO (NOT RICARDO!) NEAR BLDG 37. HE SAID THE HAVE ESTABLISHED A WATER SOURCE BUT WOULDN'T BEGIN ABATEMENT UNTILL MONDAY. THEY PLAN TO SEAL UP THE AREA + TURN OFF THE NEGATIVE AIR OVER THE WEEKEND. HE PLANS ON REMOVING THE A SMALLER FLEX DUCTING FROM THE ONE MAIN DUCT RUNNING THROUGH THE 2ND FLOOR AREA, THEY ARE FOAMING OVER THE FIBERGLASS AT THE WALL. THEY WILL PUT A "Z" FOLD FLAP IN THE SOUTH STAIRWELL AT THE 2ND FLOOR ENTRANCE. ~~THE~~ WHEN HES READY TO ~~ABATE~~ THE 3rd HE'LL DO THE SAME SO HE CAN CONTINUE DEMO ON THE 4th. HE PLANS ON TREATING THE ENTIRE STAIRWELL AS THE EQUIPMENT ROOM. I TOLD HIM THAT HE'LL NEED TO SPEAK W/ S. LONG ON MONDAY ABOUT HIS PLANS. THE VINYL TILE ABATEMENT WILL CONTINUE TILL 3PM - 3:15 PM TODAY.

1:30 PM - SPOKE W/ RICARDO ABOUT BAGGING ALL VINYL TILE WASTE FOR

Client: McDONNELL DOUGLAS Date: 9/13/96

Location: BLDG 37 and 67 - HARBOR GATEWAY CTR, TORRANCE

III. SUMMARY OF WORK/PROJECT NOTES

1:30 PM (CONT) THE BLDG 67 JOB. HE SAID THEY DIDN'T HAVE AN ASBESTOS DUMPSTER ON SITE YET BUT ALL WASTE WOULD BE BAGGED AND KEPT IN CONTAINMENT OVER THE WEEKEND. BLDG 37 THE METAL EQUIPMENT FROM THE 3RD/4TH FLOOR THAT HAD THE VINYL TILE ATTATCHED TO IT WAS STILL IN OPEN BAGS BY THE DECON/STORAGE ROOM. RICARDO SAID HE WOULD MAKE SURE IT WAS ALL DOUBLE BAGGED AND LOCKED IN CST'S STORAGE ROOM OVER THE WEEKEND.

2:30 PM - COMPLETED AREA SAMPLING IN BLDG 67. CST WORKERS CONTINUE TO BAG THE WASTE (INSIDE OF CONTAINMENT ONLY).

3:15 - ABATEMENT + BAGGING OF WASTE JUST ABOUT COMPLETE. NEG AIRS WILL REMAIN ON IN BOTH BLDGS. WRAPED UP + LEFT SITE

Wallace 9/13/96

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Date : 9/18/96

Location: Harbor Gateway Center Technician: Stephen [illegible]

Contractor: CST Environmental Signature : [illegible]

Abatement Area(s): Bldg. 67, Bldg. 37

I. JOB SCOPE

✓ Air Sampling
- ___ Set-Up
- ✓ Removal
- ___ Cleaning
- ___ Finals

✓ Inspection
- ___ Set-Up
- ✓ Removal
- ___ Finals

II. WORK AREA

✓ Containment ___ Glove-bagging

- Perimeter Sealed ✓
- Area HVAC Off ✓
- Shower and Decon Installed ✓
- Shower Water Filtered ✓
- Respirator (Make & Model Racal PAPR

North half-case (Bldg. 67)

Differential Pressure Machines

- # of Machines 9
- Make & Model Various
- Visual Signs Yes
- Pressure Reading: N/A

Time	Reading

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Los Angeles Office: 19443 Laurel Park Road, Suite 101, Rancho Dominguez, California 90220 • Telephone: 310/763-2374 Fax: 310/763-8684

Client: McDonnell Douglas Realty Date: 9/16/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0700 - FASI on-site. Checked CST + McDonnell Douglas field offices (locked).

0715 - Checked Bldg 67 removal area. Set up air sample. Containment OK except one critical barrier fallen from section at HVAC diffuser slot. Fixed immediately. Tile removal complete to Col. G11. Foreman Douglas Rivas indicates that tile removal is expected to be completed this morning. Crew will move on to next removal area while awaiting arrival of bead blast machines on Wednesday, 9/18. Bag out will occur this afternoon.

0743 - Set up air sample outside decontamination chamber in Bldg. 37.

0800 - Discuss Bldg. 37 roof with R. Rickard. CST not able to confirm FASI survey results. Not able to find white fibrous ~~roof~~ layer beneath N roofing.

0810 - Foreman Miguel reports fireproofing scraping has begun on Bldg. 37 2nd Fl. (Shaft). Shower is not yet hooked up, so FASI cannot do pre-removal inspection.

0815 - Checked Bldg. 37 N roof. In four quadrants roofing is built-up felt over brown fibrous insulation over plastic sheet + metal deck. No white layer found. E roof is BUR over concrete deck.

Client: McDonnell Douglas Realty Date: 9/16/96

Location: Harbor Gateway Center Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0900 - Project Meeting until 1015.

1030 - Check Bldg. 67 containment. OK. Received page from FASI office that yesterday's Bldg. 67 samples were overloaded with dust and not readable.

1043 - Collected air sample from Bldg. 67. Set up new sample at lower flow rate (1050).

1100 - Entered Bldg. 67 work area and collected bulk sample of floor tile and mastic. Noted several areas where plastic critical barriers were peeling off of HVAC vents. Told foreman M. Rivas to correct.

1110 - Checked Bldg. 37 N roof. It appears that white fibrous material reported by FASI as ACM in sample collected was fireproofing overspray from 4-story section of the building. Will investigate further and collect roofing samples this afternoon. Took down Bldg. 37 air sample (black).

1130 - Lunch

1200 - Checked Bldg. 67 containment. Workers preparing to re-enter after lunch.

1215 - Returned to Bldg. 37 roof. Collected samples of N roofing and checked along perimeter adjacent to 4-story area for fireproofing overspray. Apparent fireproofing overspray present under roofing to approx. 2 feet W of 4-story area of building. Will await confirmation of negative analysis of field roofing samples.

Client: McDonnell Douglas Realty Date: 9/16/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1315 - Returned to ground floor of Bldg. 37. Discussed tentative findings with R. Rickard.

1329 - Set up additional air sample in Bldg. 67

1343 - Set up air sample in Bldg. 37.

1400 - Left site to deliver bulk samples to lab.

1450 - Return to site

1510 - Take down air samples in Bldg. 67.

1525 - Take down air samples in Bldg. 37 (block).

1530 - FASI off-site.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas — Date: 9/17/96

Location: ~~BF~~ Harbor Gateway Center, Torrance Technician: E. C. Wallace

Contractor: CST Signature: Wallace

Abatement Area(s): 1st Floor (West office areas) Bldg. 34

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	X	Set-Up
____	Removal	____	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

X Containment ____ Glove-bagging

- Perimeter Sealed: yes
- Area HVAC Off: yes
- Shower and Decon Installed: NA
- Shower Water Filtered: NA
- Respirator (Make & Model: HALF FACE, ~~DOUBLE~~ CWIT HEPA VAC DECON

Differential Pressure Machines

- # of Machines: 1
- Make & Model: ____
- Visual Signs: AIRFLOW, ~~PLASTIC~~ PULLING IN
- Pressure Reading:

Time	Reading
NA	

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Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Date: 9/17/94

Location: Harbor Gateway Center, Torrance Technician: E. C. Wallace

Contractor: CST Signature: E. C. Wallace

Abatement Area(s): 2nd floor office area Bldg 34

I. JOB SCOPE

X Air Sampling
- ___ Set-Up
- ___ Removal
- ___ Cleaning
- ___ Finals

X Inspection
- X Set-Up
- ___ Removal
- ___ Finals

II. WORK AREA

X Containment

___ Glove-bagging

- Perimeter Sealed: Yes
- Area HVAC Off: Yes
- Shower and Decon Installed: NA
- Shower Water Filtered: NA
- Respirator (Make & Model: HALFFACE, DOUBLE SUIT, HEPA VAC DECON

Differential Pressure Machines

- # of Machines: 2
- Make & Model: ___
- Visual Signs: AFFLOW, PLASTIC DULLING,
- Pressure Reading:

Time	Reading

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Client: McDonnell Douglas Date: 9/17/96

Location: Harbor Gateway Center, Torrance - Bldg 34, 37 + 67

III. SUMMARY OF WORK/PROJECT NOTES

9/17/96 7Am FASI Rep., E. Wallace on site. Picked up equip. from office in Bldg 18. Met w/ Ricardo @ Bldg 37. He said abatement will continue on 2nd floor of Bldg 37, They'll bag out the tile waste in Bldg 67 and prep for Vinyl tile abatement in Bldg 34. He showed me the abatement area in Bldg 34. He said they expect to complete prep this morning and following my inspection start abatement. 2 neg air units for upstairs decon chambers @ bottom of stairs, no showers, half face respirators, double cant w/ HEPA vac decon procedures.

7:15 Started one air sample at decon in Bldg. 37.

7:30 Am Set up pump in 67 for air sampling during bag out.

7:45 Am Attempted to set up air sampling in Bldg 34. No power on 1st floor.

8:00 Am Spoke w/ FASI office to ~~verify air~~ see if S. Long did background air sampling in Bldg 34. He hadn't. Borrowed an extension cord from CST and set up air samples in Bldg 34.

8:30 Am Started Background sampling in Bldg 34.

9:00 Am Spoke w/ Douglas. He said they may not bag out the waste in Bldg 67 because the disposal bin is still not here.

9:45 Am Containment area on 1st floor of Bldg 34 just about ready for abatement. Final pre abatement inspection done. Three deficiencies

Client: McDonnell Douglas Date: 9/17/96

Location: Harbor Gateway Center, Torrance Bldg 37, 34+67

III. SUMMARY OF WORK/PROJECT NOTES

9:45 AM (cont) were noted and resolved. These included the critical barriers on HVAC registers on walls, water source for wet removal techniques and signs.

10:45 AM Abatement commenced and background sampling complete.

10:30 AM Contacted Air Lab in office re air sampling results from 9/16/96. The two samples from Bldg 37 were overloaded and unreadable. The rest were analyzable.

10:45 AM Checked on air sampling in Bldg 37. Visible emmissions from welding work were greatly increased. Additionally CST was welding in office area next to decon (and my air sample) Air filter was overloaded and flow rate had been affected Sample voided. After lunch, (12 noon) another air sample will be started in the North stairwell.

12 noon - 2nd floor Bldg 34 ready for preabatement inspection. After sealing a few holes in the ceiling tile and moving some equipment/desks to the restroom area to fully access the tile, and a water source was secured the area was ready for abatement. ~~Asbestos abatement at 1st floor Bldg.~~

12:30 - Area air sample set up in N stairwell of bldg 37. The fumes from welding were considerably less.

12 noon Removal of 12" tile in abatement area on 1st floor of Bldg 34 complete. Material bagged + left in containment area w/ the Neg air machines running.

Client: McDonnell Douglas Date: 9/17/96

Location: Harbor Gateway Ctr, Torrance Bldg 37, 34 + 67

III. SUMMARY OF WORK/PROJECT NOTES

3:00 PM - completed air sampling in Bldg 37. Demo/Prep continues on the third floor.

3:10 PM - met w/ Ricardo @ Bldg 34. He said they found more tile (a 9"x9" variety) under some areas of the plywood. They'll pull up the plywood to verify. They pulled a bulk sample and FASI will have it analyzed Rush. One of the negative air units (the smaller of the 2) was not running when I checked it @ 3:15. Ricardo will fix it immediately.

3:25 PM Completed air sampling in Bldg 34.

3:30 PM FASI Rep left site.

[signature] 9/17/96 3:30 PM

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Date: 9/18/96

Location: Harbor Gateway Center - Torrance Technician: E. Wallace / S. Yoh

Contractor: CST Environmental Signature: [illegible]

Abatement Area(s): Bldg. 37, Bldg. 34

I. JOB SCOPE

✓ Air Sampling	✓ Inspection
✓ Set-Up	✓ Set-Up
✓ Removal	✓ Removal
Cleaning	Finals
Finals	

II. WORK AREA

✓ Containment ____ Glove-bagging

- Perimeter Sealed: ✓
- Area HVAC Off: ✓
- Shower and Decon Installed: ✓ (Bldg. 37)
- Shower Water Filtered: ✓
- Respirator (Make & Model: North H/P face (Bldg. 34) Racal PAPR (Bldg. 37)

Differential Pressure Machines

- # of Machines: 8
- Make & Model: Various
- Visual Signs: ✓
- Pressure Reading: N/A

Time	Reading

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Client: McDonnell Douglas Date: 9/18/96

Location: Harbor Gateway Center, Torrance Bldg 34, 37 + 67

III. SUMMARY OF WORK/PROJECT NOTES

9/18/96 6:30AM ~~FAST~~ rep, E. Wallace, on site. Pick up equipment from office and enter factory area.

7:00AM ~~FAST~~ begins work shift on 2nd floor of Bldg 34.

7:15AM spoke with Ricky Ricard of CST. He said They have the bead blaster on site. They don't have the disposal bin for the tile waste yet. He plans to bead blast the mastic in Bldg 67 around the bagged waste and move it as they go. They will also remove the mastic from the 1st floor of Bldg 34 w/ solvents today.

7:25AM set up area air sample on 1st floor of Bldg 34 by the negative air exhaust of both containments.

7:30AM Entered and inspected abatement area on 2nd floor of Bldg 34. Workers were found to be performing dry removal. The workers showed me where the 9"x9" tile under the plywood was located. This was in the North area of the office space (approx 50% of the area) ~~Area~~ The sample taken yesterday was from the restroom area. There is black

Client: McDonnell Douglas Date: 9/18/96

Location: Harbor Gateway Center, Torrance Bldg 34, 37 + 67

III. SUMMARY OF WORK/PROJECT NOTES

9/18/96 7:30 AM (cont) mastic under some of the 9" x 9". We'll get results this morning from the lab. Exited containment and spoke w/ Ricardo about the water. He got a Hudson sprayer for the workers right away. He also said he would try to repair the 2nd negative air unit that went out yesterday.

7:50 AM - Set up pump in Bldg 67 @ Column G5 for air sampling when the bead blasting begins.

8:35 AM Contacted FASI lab for results. The 9"x9" tile is 1-5% Chrysotile and the mastic is negative for asbestos. This is in Bldg 34 2nd floor under the ply wood. The six roofing samples that S. Long took on Monday 9/16/96 were all negative for asbestos. The 12"x12" tile from Bldg 67 that S. Long took resulted in positive for asbestos both in the tile and the mastic.

9:05 AM - No cutting/welding activity yet in Bldg 37 so I set up one area air sample outside the decon area @ at Column C14.

10:00 AM - CSI and McDonnell Douglas people began cutting/welding activity in Bldg 37.

Client: McDonnell Douglas Realty Date: 9/18/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

10:30AM: ~~Abat~~ Douglas of CST said The abatement on 2nd floor of Bldg 34 is just about complete. They'll move to the 1st floor and begin abating the mastic w/chemicals before lunch today. They won't begin bead blasting in Bldg 67 until their electrician arrives on site.

(see prev pg.) 10:00AM (out of order) Gave Ricky Ricordo bulk sample results from Bldg 37 + 34 + 67. He ~~said~~ asked that we get the results in writing to him and Johnny Marasco of McDonnell Douglas ~~ASAP~~.

10:45 - S. Long of FASI on-site. Met with E. Wallace for update on abatement status.

11:00 - E. Wallace off-site.

11:10 - Check Bldg. 67 containment. All OK. Waste bags gathered in one area inside containment. Bead blast equipment inside containment.

11:15 - Called Mario Stavale. Left voice mail message with abatement status update.

11:20 - Met with R. Rickard in CST trailer. CST is hooking up electrical for bead blasters in Bldg. 67 right now. Bead blast will not begin until tomorrow. Discussed ACM mastic on wood sub-floor in Bldg. 34. R. Rickard indicated it was his intent to leave mastic in place for demolition. I informed him this would require

Client: McDonnell Douglas Realty Date: 9/18/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1120 (cont.) SCAQMD prior approval per Rule 1403. He indicated he would contact Pat Hussey to obtain approval. CST not yet scraping fireproofing on 3rd Fl of Bldg. 37. Discussed roof testing of Bldg. 37. Results to be faxed to site today. N high bay field roofing only tested. ~~[illegible]~~ FASI will test flashing in this area and roofing on E Bldg 37 roof today. Sealant tar at penetrations and seams of Bldg. 37 is ACM per previous testing, as is all roofing material on S side of Bldg. 37. R. Rickard indicated that John Marasco may want additional testing of roofing on other buildings. FASI will follow up with J. Marasco.

1130 - FASI off-site for lunch.

1200 - FASI on site.

1215 - Collect air sample in Bldg. 37. Filter is black from continuing torch cutting in the building.

1245 - Set up air sample in N stairwell - Bldg 37. Note apparent fireproofing debris on stairs. Foreman inside area.

1300 - Check Bldg. 34. Mastic removal continuing. Take down morning air sample and start afternoon sample.

Client: McDonnell Douglas Realty Date: 9/18/96

Location: Harbor Gateway Center

III. SUMMARY OF WORK/PROJECT NOTES

1310 - Meet with R. Rickard and Pat Hussey in CST office. Inform R. Rickard of fireproofing debris in Bldg. 37 N stairwell. He contacts foreman Fidel by radio and directs Fidel to clean up debris. Discuss Bldg. 34 mastic on wood with Pat Hussey & R. Rickard. P. Hussey to check on disposition of similar situation at Northrop removal site. May simply remove wood, as quantity is relatively small, ~1200 SF.

1330 - Check for J. Marasco on site. Apparently not on site.

1345 - Check in with FASI office. S. Long probable technician for McDonnell Douglas site tomorrow.

1400 - Check on Bldg. 37 air sample and stairwell. Sample filter is black. Stairwell has been cleaned.

1415 - Check on Bldg. 34 containment. No workers present. Waste bagged and collected near containment entrance. Took down air sample.

1430 - Met with R. Rickard in CST office. Informed R. Rickard that I will check with J. Marasco tomorrow AM on handling of VFT waste from Bldg. 67 as friable or non-friable, since lab analysis showed both tile and mastic as ACM. R. Rickard informed me that Bldg 34 1ST Fl. is complete except bag-out and Bldg. 67 electrical is in place for bead-blast to start tomorrow.

1530 - FASI off site.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Date: 9/19/96

Location: Harbor Gateway Center - Torrance Technician: Steve Long

Contractor: CST Environmental Signature: [signature]

Abatement Area(s):

I. JOB SCOPE

✓ Air Sampling
- ___ Set-Up
- ✓ Removal
- ___ Cleaning
- ___ Finals

✓ Inspection
- ___ Set-Up
- ✓ Removal
- ___ Finals

II. WORK AREA

✓ Containment

___ Glove-bagging

- Perimeter Sealed ✓
- Area HVAC Off ✓
- Shower and Decon Installed ✓ (Bldg. 37, 67 only)
- Shower Water Filtered ✓
- Respirator (Make & Model North ½ mask (Bldg. 67) Racal PAPR (Bldg. 37)

Differential Pressure Machines

- # of Machines 14
- Make & Model Various 2000 CFM
- Visual Signs ✓
- Pressure Reading: N/A

Time	Reading

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Client: McDonnell Douglas Realty Date: 9/18/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0700 - FASI on site. Collect equipment from field office. Check for J. Marasco (not in).

0715 - Check Bldg. 67 work area. Bead blasting not yet begun.

0730 - Check Bldg. 37 work area. Crew inside. Neg air machines running. Set up air sample. No torch cutting occurring in the building at this time.

0735 - Check Bldg. 34 work area. No work. Waste bags still in work area. Neg. air machines running.

0740 - Check Bldg. 67 work area. Crew inside. Bead blasting has begun. Containment ok. Set up air sample. Only one neg air machine operating.

0800 - Enter Bldg. 67 containment. Bead blasting continues. Problems with the machine have restricted removal so far to an approximate 10' x 30' area. Removal is being performed dry. Floor is dry and no water supply to machine is present. Foreman Douglas (operating machine) indicates that water will gum up the machine.

0820 - Exit containment

0830 - Meet with R. Rickard near Bldg. 34 to discuss

Client: McDonnell Douglas Realty Date: 9/19/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0830 (cont) - bead blasting procedure. R. Rickard calls P. Hussey at CST office and learns that P. Hussey has a written procedure involving the use of water atomizers to wet area during bead blasting. R. Rickard will install atomizers in work area.

0835 - Check Bldg. 37. Torch cutting now underway in Bldg. 37 by others. Air sample filter is brown. Took down air sample.

0855 - Called P. Hussey in CST office. He will submit a copy of the bead blast atomizer wetting procedure to FASI. He states that this procedure is acceptable to SCAQMD under a SCAQMD Procedure 1 notification.

0940 - Attempted to access Bldg. 37 E roof. S stairwell is sealed at 4th floor exit door, preventing access.

1000 - Checked Bldg. 34 containment (1st Fl.). Waste bags still present. Mastic residue evident through observation window around edges of work area. Neg air machines running.

1005 - Met Ricardo Gonzales outside Bldg. 34. Delivered bulk sample results from Bldg. 67, 37 and 34, and reviewed results together. R. Gonzales to deliver to R. Rickard when he returns to site. Discussed Bldg 37 roof access. R. Gonzales will seal of top of stair from work area to allow access.

Client: McDonnell Douglas Realty Date: 9/19/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1130 (cont.) not yet cleared N Bldg. 37 stairwell for roof access. R. Rickard supplied FASI and M-D with a copy of bead blast removal procedure using atomizers.

1200 - Meeting complete. FASI off-site for lunch.

1215 - FASI on site.

1230 - Discuss Bldg. 37 removal schedule with Fidel. 2nd floor near complete. 3rd Fl. scape to begin tomorrow. 4th Floor last, along with 1st Fl. areas. CST storage room on 1st Fl. will be done separately, so that CST can continue to use as storage.

1300 - Set up Bldg. 67 air sample. Bead blasting complete to approx. Col. line 4.

1328 - Set up Bldg. 37 air sample on 4th Fl. above 2nd Fl. removal + 3rd Fl. demo areas.

1330 - Collected bulk samples on E roof of Bldg. 37 (field roofing and roof flashing samples).

1400 - Field office. Collect faxes from FASI office. Check Bldg. 37 survey for perimeter tar sealant (positive for asbestos).

1415 - Check Bldg. 67 work area. Bead blasting continuing. R. Gonzales reports that water atomizers are set up in work area (not visible from viewing port.

Client: McDonnell Douglas Realty Date: 9/19/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1005 (cont.) - Looked at Bldg. 34 work area with R. Ricardo through window. R. Ricardo to send one man to final clean and to abate missed room in the work area. Discussed men (CST) working on Bldg. 1 windows. R. Ricardo states they are only removing metal panels (not windows), but he is going to have them wear respirators. R. Ricardo indicates that access to this N tunnel area has been blocked off from the rest of Bldg. 1.

1015 - Delivered bulk sample results from Bldgs. 34, 37 & 67 to J. Marasco's desk in site field office.

1125 - Took down sample in Bldg. 67. Foreman Douglas observed in work area without protective clothing or respirator. I asked if this was now acceptable in this work area. He indicated respirators are still required, but he was only in the work area briefly to pick up an air sampling cassette. I indicated that I don't expect to see this occur again.

1130 - Met with J. Marasco and R. Rickard in Bldg. 1. Reviewed bulk sample results. McDonnell Douglas will defer to CST's judgement on VFT waste friability from Bldg. 67 (non-friable). Bead blast mastic waste will be disposed as friable. CST has

Client: McDonnell Douglas Realty Date: 9/19/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1425 - Took down Bldg 37 4th Fl. air sample. Filter already brown from torch cutting continuing in high bay portion of building.

1430 - Entered 2nd Fl. containment. All acceptable except 3 breached criticals (stair landing, 2-3 opening, E wall foam plug missing). All fixed immediately. Waste on floor to be bagged today. Third floor separated from 2nd by flaps only, with 3rd Fl. stair landing used to throw demo debris out window. Informed Fidel that window must be sealed if 3rd Fl. considered abatement area. If considered demo area, the entrance must not be from 2nd Fl. containment. Fidel to seal ~~wind~~ flaps to 2nd Fl. and make separate entrance.

1515 - Left message for M. Stavale with update on status.

1530 FASI off site.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: M'Donnell Douglas Realty Date: 9/20/96

Location: Harbor Gateway Center Technician: Steve Long

Contractor: CST Environmental Signature: [signature]

Abatement Area(s): Bldg. 34 (VFT), Bldg. 67 (VFT), Bldg. 37 (fireproofing)

I. JOB SCOPE

✓ Air Sampling
- ___ Set-Up
- ✓ Removal
- ✓ Cleaning
- ✓ Finals

✓ Inspection
- ___ Set-Up
- ✓ Removal
- ✓ Finals

II. WORK AREA

✓ Containment ___ Glove-bagging

- Perimeter Sealed: ✓
- Area HVAC Off: ✓
- Shower and Decon Installed: ✓ (Bldg. 37) + 67
- Shower Water Filtered: ✓
- Respirator (Make & Model: North ½ Face (All except 37)
  Racal PAPR (Bldg 37)

Differential Pressure Machines
- # of Machines: 18
- Make & Model: Various
  2000 cfm
- Visual Signs: ✓
- Pressure Reading: N/A

Time	Reading

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Los Angeles Office: 19443 Laurel Park Road, Suite 101, Rancho Dominguez, California 90220 • Telephone: 310/763-2374 Fax: 310/763-8684

Client: McDonnell Douglas Realty Date: 9/20/96

Location: Harbor Gateway Center, Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0700 - FASI on site. Met with R. Rickard at CST trailer. Discussed FASI inspection of Bldg. 37 work area yesterday, noting breaches of criticals and that Fidel intended to seal off 3rd Fl. from 2nd Fl. until prepped for removal on 3. R. Rickard informed me that Bldg 34 1st Fl. abatement area was ready for final inspection.

0710 - Gathered equipment and paperwork from office.

0730 - Checked Bldg. 61 work area. Containment OK. Set up barrier sample. Bead blasting underway.

0745 - Checked Bldg. 37 work area. Containment OK from outside. No torch cutting occurring in building, but equipment is present, indicating possible cutting later. Set up barrier air sample.

0800 - Performed final inspection of Bldg. 34 work areas, at CST request. 2nd Fl. area failed. Small pieces of tile still present, mostly in corners and along edges. Mastic on wood still present, as planned by CST. This will be addressed later, once a decision has been reached on abatement technique. Waste bags still present in area. 1st Fl. area passed.

0820 - Went to FASI field office to check for survey results of Bldg. 34. Baseboard mastic is ACM. Will check on description and/or collect bulks as necessary, since much of mastic is yellow. This negates final inspection of Bldg. 34 1st Fl. area, as dark baseboard mastic remains.

Client: McDonnell Douglas Realty Date: 9/20/96

Location: Harbor Gateway Center / Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0840 - Met with Ricardo Gonzales in Bldg 37 and discussed baseboard mastic. Ricardo will inspect 2nd Fl. FASI will provide survey results copies to Ricardo. Still no torch cutting in Bldg 37.

0900 - Entered Bldg. 34 2nd Fl. containment to check extent of yellow baseboard mastic. Found mostly yellow mastic, some dark brown mastic. Sampled yellow mastic.

0905 - R. Gonzales entered Bldg. 34 2nd Fl. containment.

0920 - Discussed 2nd Fl. Bldg. 34 with R. Gonzales. He observed the small pieces of tile present in area and will assign a crew to clean. Discussed mastic on wood. R. Gonzales will try to resolve abatement method with T.J. Moore of CST today.

0930 - Left site to deliver mastic sample to FASI lab. Copied FASI main survey report in office. Checked on Bldg. 34 baseboard mastic results. Brown mastic contains asbestos. Yellow mastic does not. Cancelled analysis of yellow (gold) mastic sample just delivered.

1020 - Left office for site.

1035 - Arrived on site. Bound survey report in field office. Copied survey summary reports for CST.

1100 - Met with R. Gonzales in Bldg. 67. Delivered survey summary copies. Took down Bldg. 67 c.r sample.

Client: McDonnell Douglas Realty Date: 9/20/96

Location: Harbor Gateway Center / Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1120 - Checked Bldg. 37. Torch cutting now in progress. Took down air sample. Filter black. Foreman Fidel indicates that fireproofing scraping has begun on the 3rd Floor.

1130 - Off-site for lunch.

1200 - On site. Met with P. Hussey, R. Gonzales, and R. Rickard in CST trailer. Briefly reviewed FASI survey summary copies. S. Long and R. Gonzales to check Bldg. 34 this afternoon for ACM beyond VFT, mastic and baseboard mastic. P. Hussey does not have decision yet on ACM waste labelling (non-friable) or Bldg. 34 mastic on wood abatement procedure. Expects to have decisions for Monday morning project meeting.

1245 - Check Bldg. 67. Containment OK. Bead blasting continuing, though slowly, as adjustment or fixes are made to the machine. Removal to approx. Col. line 6 so far. Set up air sample.

1300 - Check Bldg 37. Torch cutting continuing. Containment OK from outside.

1315 - Setup air sample in Bldg. 34. Check for wall tile mastic. Appears to be present in only one area of Bldg. (Room 6707). Look into dumbwaiter at surfacing material.

Client: McDonnell Douglas Realty Date: 9/20/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1340 - Meet with R. Ricardo outside Bldg. 34. Discuss wall mastic findings, as well as plans to point count dumbwaiter surfacing material.

1350 - Inspect Bldg. 1 window removal area. W side windows removed from tunnel. Crew doing HEPA vac cleanup of area.

1400 - Call FASI lab to order point count PLM analyses. Faxed request.

1430 - Inspected inside of Bldg. 37 containment. Workers wearing PPE + respirators. Foreman Fidel indicates that some workers are in half face respirators due to tight clearances on some beams, and that this is supported by personal air sample results. Additional wetting needed on fireproofing waste. Corrected. One critical barrier breach and two uncovered HVAC openings noted. Corrected.

1515 - Take down air samples in Bldg. 67, then 37.

1530 - Off site.

Client: MCDONNELL DOUGLAS Date: 9/23/96

Location: ~~HARBOR~~ GATEWAY CTR, TORRANCE, BLDG 67, 37, 34 + 1

III. SUMMARY OF WORK/PROJECT NOTES

6:50 AM FASI Rep., Emily Wallace, arrive onsite and prepare equipment.

7:15 AM Observe bead blasting in Bldg 67.

7:25 AM Set up air sample outside bead blasting area in Bldg 67

7:30 AM spoke w/ Fidel @ Bldg 37. He said they started Gross Removal on the 3rd floor on Friday. They are currently bagging the waste from the 2nd floor out into the storage room by the decon. ~~They~~ Fidel says they have a one stage decon @ the elevator on the 2nd floor, They rewet the mat'l + the bags and bring the waste down double bagged and taped. I asked Fidel to seal off the air vents in the storage room and put up signs.

8:00 AM I set up one air sample @ the 1st floor elevator shaft. In Bldg #1 They are currently removing the metal covers over the east windows. In Bldg 34 they are removing the baseboard mastic in the two west offices and they are completing the VFT and baseboard mastic removal in the next office east.

8:30 AM Glove bagging of horizontal pipe on west wall of breezway of Bldg 1 begins. 2 workers on one lift.

9 AM Met w/ S. Long @ Bldg 18 for weekly mtg.

9:15 AM checked on progress in Bldg 67 + 34. Work continues

Client: McDONNELL DOUGLAS Date: 9/23/96

Location: Harbor Gateway Center, Torrance

III. SUMMARY OF WORK/PROJECT NOTES

9/23/96 9:45AM perform visual inspection in 3 offices in Bldg 34 1st floor. Visual inspection passed. Will start clearance samples @ 10:30AM.

10AM Inspected glove bag area in Bldg 1 Breezeway. One worker was releasing visible debris. Spoke w/ Ricardo immediately. He stopped the work, brought a HEPA vacuum for cleaning the area and spoke w/ the workers about the problem.

10:30AM - Started clearance samples in Bldg 34, 1st floor.

10:45AM - spoke w/ S. Long re: weekly mtg. Set up microscope, office.

11:30AM completed air sampling in Bldg 67 and ~~1st~~ Bldg 37 for the morning shift

11:50AM - Completed clearance sampling on 1st floor of Bldg 34.

1:00PM Started a new sample in Bldg 37. Work continues in Breezeway of Bldg 1 and 2nd floor of Bldg 34.

1:15 - 2:00PM Analyzed clearance sample for Bldg 34 PCM. Result was 0.005 f/cc.

2:00PM - reported results to Ricardo. (Bldg 34, 1st floor)

3:00PM - completed sampling in Bldg 37. The mastic/wood issue of 2nd floor Bldg 34 still unresolved. Ricky Ricardo said they'll start the roofs of Bldgs 34 + 36 tomorrow

3:15PM - FACI left for the day. Wallace 9/23/96

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Date: 9/24/96

Location: Harbor Gateway Center-Torrance Technician: Steve Young

Contractor: CST Environmental Signature: [signature]

Abatement Area(s): Bldg. 67, Bldg. 37, Bldg. 34, Bldg 1 (Tunnel)

I. JOB SCOPE

✓	Air Sampling	✓	Inspection
	Set-Up		Set-Up
✓	Removal	✓	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

✓ Containment ✓ Glove-bagging

- Perimeter Sealed ✓
- Area HVAC Off ✓
- Shower and Decon Installed ✓ (Bldg. 37 only)
- Shower Water Filtered ✓
- Respirator (Make & Model North ½ face Racal & MSA PAPR

Differential Pressure Machines

- # of Machines 18
- Make & Model Various 2000 cfm
- Visual Signs ✓ (also smoke test)
- Pressure Reading: N/A

Time	Reading

Client: McDonnell Douglas Realty Date: 9/24/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0700 - FASI on site. Review previous days logs in field office and pick up equipment. Deliver Bldg. 37 bulk sample results for E roof to J. Marasco's desk. Deliver air sample results through 9/20 to project notebook.

0730 - Inspected Bldg. 67 containment. All OK. One negative pressure machine in use. Bead blasting 85% complete. Set up air sample.

0745 - Inspected Bldg. 37 containment. Critical barriers intact and negative pressure evident. Climbed on to 1st Fl. E roof to check outside of 1st Fl. work area wall. Found small pieces of fireproofing on the roof at the wall in several places that had come through from the corrugated wall openings where foam seal was used. Reported this to Fidel Garcia, who sent men to clean up. Set up Bldg. 37 air sample

0800 - Checked on set up for glove-bag pipe insulation removal in Bldg. 1. Two pipes are to be glove bagged at the S wall of the Bldg. 1 to Bldg. 34 tunnel. Workers state that they do not have smoke tubes. Reported this to Ricardo Gonzales and provided a FASI smoke tube for CSI's use. Observed set up in progress for Bldg. 34 roof removal (chute being assembled). Reminded R. Gonzales that Cal/OSHA reg requires that chute be air-tight.

Client: McDonnell Douglas Realty Date: 9/24/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0830 - Met foreman Douglas outside Bldg 67. He reports that he has lost power in Bldg. 67, so work has stopped. Bldg. 1 tunnel glovebag work still in prep stage. Bldg. 34 roof work in prep stage.

0840 - Climb onto Bldg. 37 roof to check critical barriers between third and fourth floors. Find S stairwell critical is cut (approx. 4 ft straight cut in plastic) and there is evidence of fireproofing being tracked up the stairs to the roof from this opening. Report situation to Fidel Garcia, who sends a man to fix the critical and clean up debris.

0930 - Meet R. Rickard and R Gonzales at Bldg. 34. Roofing removal has begun, and dust is emitting from dumpster at bottom of waste chute. I point out applicable Cal/OSHA regulation section for dust-tight chute. R. Rickard indicates roofing has never been done with dust-tight chute and was not planned for this job. Directs R. Gonzales to provide more wetting to prevent emission of dust.

1000 - Return to field office to look up survey results for Bldg 67 baseboard + mastic in response to R. Rickard question. Make extra copy of survey summary.

Client: McDonnell Douglas Realty Date: 9/24/96

Location: Harbor Gateway Center-Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1010 - Met R. Richard in CST office and delivered survey summary copy. Discussed CST demolition plans. Except Bldg. 37, CST plans to demolish drywall containing less than 1% asbestos (as composite with joint compound) concurrent with building demolition. Wetting will be provided and disposal will be as construction debris.

1030 - Checked Bldg. 67 containment. All OK. Power has been restored and bead blasting is continuing. Replaced air sample cassette voided by power failure.

1045 - Checked Bldg. 37. Air cassette OK. Containment OK.

1100 - Met P. Hussey & R. Gonzales outside Bldg. 34. Noted dust emanating from roof waste dumpster and discuss dust-tight chute and wetting. P. Hussey opines that dust is non-asbestos dust, but orders more wetting to suppress. P. Hussey to discuss chute sealing with R. Richards.

1120 - Take down air sample in Bldg. 37.

1130 - Leave site for lunch.

1155 - FASI on site.

1203 - Set up air sample in Bldg. 37. Check Bldg. 67. Bead blasting continuing. Check Bldg. 1 tunnel. No glovebagging yet. Check Bldg. 34 roof removal (from ground). No dust emissions, but chute not sealed.

Client: McDonnell Douglas Realty Date: 9/24/96

Location: Harbor Gateway Center / Torrance.

III. SUMMARY OF WORK/PROJECT NOTES

1230 - Check Bldg. 37 critical barriers with smoke tube for negative pressure. Check 1st Fl. W, 2nd Fl. E and 4th Fl. barriers. All OK. Check on cleanup of 1st Fl. E roof and 4th Fl. roof stairwell critical. Cleanup complete. 4th Fl. critical sealed.

1300 - Check progress of Bldg. 34 roof removal from roof of Bldg. 37. Approx. one-quarter of roof removed so far. All workers in PPE and half-mask respirators. Wetting of roofing occurring before and after removal.

1330 - Replace Bldg. 67 air sampling cassette. VFT area bead blasting 90% complete. Solvent mastic underway around edges of floor.

1350 - Check Bldg. 37 - Noted release of water and bits of fireproofing at SE corner of removal area, on asphalt outside building entrance. F. Garcia dispatched worker to clean up.

1400 - Checked Bldg. 1 pipe removal area. Torch cutting of non-asbestos pipe only occurring. Discussed area with R. Gonzales. Workers to clean up area at end of shift. Waste pipe to be labeled and brought to Bldg. 37 for waste storage. Waste windows to be moved to waste storage area, probably in Bldg. 34.

1420 - Spoke to R. Rickard at CST trailer. Still no resolution of mastic on wood issue (Bldg. 34) or agreement from P. Hussey on sealing roof chutes.

Client: McDonnell Douglas Realty Date: 9/24/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1500 - Checked Bldg. 67 progress. Mastic removal nearly complete. Picked up air sample.

1515 - Picked up Bldg. 37 air sample. Workers showering out through decon.

1520 - Check Bldg. 1 work area. Workers finished and cleaned up. Check Bldg. 34 roof area. Workers finishing up for the day.

1530 - FASI off site.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date: 9/25/96

Location: Harbor Gateway Center-Torrance Technician: Steve Gay

Contractor: CST Environmental Signature: [signature]

Abatement Area(s): Bldg. 67, 37, 1, 34 (Roof)

I. JOB SCOPE

✓ Air Sampling
- ___ Set-Up
- ✓ Removal
- ✓ Cleaning
- ___ Finals

✓ Inspection
- ___ Set-Up
- ✓ Removal
- ___ Finals

II. WORK AREA

✓ Containment

✓ Glove-bagging

- Perimeter Sealed: ✓
- Area HVAC Off: ✓
- Shower and Decon Installed: ✓ (Bldg. 37)
- Shower Water Filtered: ✓
- Respirator (Make & Model: North ½ Face Racal + MSA - PAPR

Differential Pressure Machines

- # of Machines: 18
- Make & Model: Various 2000 cfm
- Visual Signs: ✓
- Pressure Reading: N/A

Time	Reading

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Los Angeles Office: 19443 Laurel Park Road, Suite 101, Rancho Dominguez, California 90220 • Telephone: 310/763-2374 Fax: 310/763-8684

Client: McDonnell Douglas Realty Date: 9/25/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0705 - Forensic Analytical on site. Set up air samples in Bldg. 37 and 67. Removal continuing both areas.

0730 - Met with Ricardo G. at Bldg. 34. He updated status as follows: Bldg. 1 tunnel - Crew will be cutting down uninsulated pipes and previously glovebagged pipes for 2-3 hours before doing any additional glovebagging; Bldg. 34 (2nd Fl.) - not yet ready for inspection; Bldg. 37 - detailing of beams continues; Bldg. 34 roof - removal continues, plastic seal currently draped over waste dumpster will be sealed to dumpster with tape. Ricardo G. would like pre-inspection of Bldg. 67 floor, as only small amount of bead blasting remains.

0845 - Entered Bldg. 67 VFT removal area. Bead blasting 95% complete. Two workers in area running bead blaster. Checked blasted areas. Most areas have numerous spots of mastic only partially removed by the bead blaster. Far N area particularly bad (first area to be done). Far SW area is quite clean with very few missed spots. Around perimeter, those areas cleaned with solvent are acceptable from approx. 1 inch to 1 foot from the wall. The approx. 1 inch closest to the wall requires additional cleaning in most areas. Exited work area and spoke to Ricardo G. and Douglas. Douglas plans to go over some areas again with the bead blaster and scrape other areas with razor scrapers. Also, will complete solvent removal at edges.

Client: McDonnell Douglas Realty Date: 9/25/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0915 - Check Bldg. 37 containment with smoke tube. OK. Met with R. Rickard and J. Marasco near DAC plant entrance. R. Rickard gave update on progress.

0930 - Checked survey reports in field office for 1st buildings to be demolished: Bldg. 1 tunnel, Bldg. 36, Bldg. 67.

1030 - Collected sample of roofing from Bldg. 1 tunnel to Bldg. 34. Checked on Bldg. 1 removal area. Torch cutting still occurring. No asbestos removal. All OK. Roof removal continues on Bldg. 34.

1115 - Check Bldg. 37 and 67. Removal continuing. No problems.

1130 - FASI off site for lunch.

1200 - FASI on site. Glovebag work beginning in Bldg. 1 tunnel. Removal work continues in all other areas. Air sample cassettes replaced in Bldgs. 37 and 67.

1230 - Met Paul D. of CST at Bldg. 37. Noted the lack of a parapet wall on Bldg. 36 and asked Paul to check into provisions for fall protection when work starts there.

1300 - Checked personal sample results in CST trailer. Highest samples 0.13 in Bldg. 37. All results well within limits of respiratory protection in use.

1330 - Checked roof materials on various buildings versus survey results. R. Rickard indicates Bldg. 1 appendage roof will not be demolished for some time, as electrical substation will remain in building

1510 - Begin picking up air samples. Removal work continues, will end 1530.

1530 - FASI off site.

BOE-C6-0116638

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Date : 9/26/96

Location: Bldg 67 1st Floor Technician: E. C. Wallace

Contractor: CST Signature : [signature] Wallace

Abatement Area(s): 1st floor - West office area (VAT + Mastic)

I. JOB SCOPE

X Air Sampling
___ Set-Up
___ Removal
___ Cleaning
X Finals

X Inspection
___ Set-Up
___ Removal
X Finals

II. WORK AREA

X Containment ___ Glove-bagging

- Perimeter Sealed: Y
- Area HVAC Off: Y
- Shower and Decon Installed: NA
- Shower Water Filtered: NA
- Respirator (Make & Model: Half Face

Differential Pressure Machines

- # of Machines ___
- Make & Model ___
- Visual Signs ___
- Pressure Reading:

Time	Reading

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Los Angeles Office: 19443 Laurel Park Road, Suite 101, Rancho Dominguez, California 90220 • Telephone: 310/763-2374 Fax: 310/763-8684

Client: McDonnell Douglas Date: 9/26/96

Location: Harbor Gateway Ctr, Torrance - Bldg 1, 34, 37 & 67

III. SUMMARY OF WORK/PROJECT NOTES

9/26/96 7:00 AM - FASI Rep, Emily Wallace, on site.

7:20 AM - Set up area sample outside containment area in Bldg 67. They said they should be done before noon today.

7:30 AM Spoke w/ Steve Long and received update of yesterday's progress.

7:49 AM - Set up area sample outside containment area of Bldg 37.

8:00 AM - McDonnell Douglas said they'll be ready for a final inspection in 67 soon.

8:30 AM - Inspected progress on roof removal of Bldg 34. Approximately 80% of roof has been removed. The worker, , asked me (1) if the electrical in the 2" pipes was hot and (2) if the sprinkler lines could be cut/removed. Both were impeding removal. McDonnell Douglas checked on Both items. The sprinklers are dead and would be cut/removed but the electrical was on. Ricky said that the workers would work around the electrical pipes and the electrical for the Bldg could not be shut off. Ricky said the Val around the drain

Client: McDonnell Douglas Date: 9/26/96

Location: Harbor Gateway Ctr, Torrance, Bldg 1, 34, 37+67

III. SUMMARY OF WORK/PROJECT NOTES

9/26/96 8:30 AM pipes was hot but not around the parapet. The ducting, insulated and wrapped in fiberglass also had penetration tar on it.

8:45 AM Set up air sample in Bldg 1 since they were beginning to glove bag the pipe insulation again.

9:20 Workers complete insulation removal in Bldg 1 and start cutting. Stopped air sample in the area.

9:20 Took 4 samples of roofing mastic on Bldg 34.
34-92696-1 is from the parapet wall. This had felts tar and silver paint. The materials around the roof hatches appear similar.
34-92696-2 is tar around the water drain pipe
34-92696-3 is the tar around the duct units
34-92696-4 is the insulation from inside a fan unit.
The duct insulation/flexjoint mastic appear to be fiberglass.

11:00 Stopped morning samples in Bldg 67+37

11:30 Inspected Bldg 67 w/ Douglas. Visual did not

Client: McDonnell Douglas Date: 7/26/96

Location: Harbor Gateway Center, Torrance - Bldg 1, 34, 37 + 67

III. SUMMARY OF WORK/PROJECT NOTES

7/26 (cont) pass. The edges of the area still had remaining mastic & 30% still needed work. The main area, room along the west wall (~4 feet out) had debris that needed sweeping and where the equip room met the main containment area tile + mastic debris remained. The tile + mastic under the doors will be abated after air clearance and tear down. This amounts to ≈ 10 doors w/ ≈ 2-3 inches of tile under each door that will need to be abated. Douglas said there have no more chemicals to remove the solvent on site. They have to finish the wall tomorrow morning and then another visual inspection from FAST prior to encapsulation.

12:00 PM prepared air samples for analysis.

1:30 PM Inspected the pipe removal in Bldg 1 Breezeway. And the larger pipe, insulation has changed from asbestos to fiberglass over the driveway area. The smaller horizontal pipe has approx. 6 feet of asbestos insulation over the driveway.

12:55 PM started the afternoon sample in Bldg 37. Spoke w/ Johnny Marasco + Ricky about failed visual inspection in Bldg 67

Client: McDonnell Douglas Date: 9/26/96

Location: Harbor Gateway Ctr, Torrance Bldg 1, 34, 37 + 67

III. SUMMARY OF WORK/PROJECT NOTES

9/26/96 1:00 Douglas said that Pat Hussey of CST just delivered the mastic solvent and they would try to complete Bldg 67 area today. I told him we wouldn't be able to do air sampling til tomorrow.

2:00 Ricky + Patrick said they're going to get an exemption for the mastic on 2nd floor of Bldg 34. Discussed w/ S. Tong he said that would be fine. We would do clearances Friday morning so they can turn off the negative air. Ricky asked for a visual in Bldg 67 so they can encapsulate and Steve Tong can do ~~vis~~ final air clearance Friday morning.

2:30 PM Work on Roof of 34 will continue through Friday. Spoke w/ Douglas about making sure the insulation on the pipe that runs through the breezeway in #1 and into #34 is not asbestos.

3:15 Completed visual in Bldg 67. Identified 20 small spot areas that had mastic remaining and picked up approx 6 square inches total (cumulative). Douglas said they'll fix them and encapsulate in the morning.

3:20 Picked up final air samples in 37 and left site. Nature 9/26/96

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date: 9/27/96

Location: Harbor Gateway Center - Torrance Technician: Steve Long

Contractor: CST Environmental Signature: [signature]

Abatement Area(s): Bldgs. 1 (tunnel), 34, 37, 67, 58

I. JOB SCOPE

✓ Air Sampling
- ___ Set-Up
- ✓ Removal
- ___ Cleaning
- ✓ Finals

✓ Inspection
- ___ Set-Up
- ✓ Removal
- ✓ Finals

II. WORK AREA

✓ Containment

✓ Glove-bagging

- Perimeter Sealed ✓
- Area HVAC Off ✓
- Shower and Decon Installed ✓ (Bldg. 37)
- Shower Water Filtered ✓
- Respirator (Make & Model North ½ face Recal + MSA PAPR

Differential Pressure Machines

- # of Machines 18
- Make & Model Various 2000 CFM
- Visual Signs ✓
- Pressure Reading: N/A

Time	Reading

Client: McDonnell Douglas Realty Co. Date: 9/27/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0700 - Forensic Analytical on site. Check on Bldg. 37 work area and set up sample. Workers inside. VFT removal occurring on 2nd Fl., detailing of steel 3rd Floor. Demo on 4th Fl. may start today or Monday. Access will be through elevator. N stairwell demo underway to access firepro'ed beams.

0730 - Check Bldg. 67. Final detailing with mastic solvent continuing. Found electrician inside work area without respirator or protective clothing. States he is here to disconnect power for bead blaster. Will get respirator to enter area properly.

0740 - Check on Bldg. 1 tunnel work area. Pipe insulation removal complete. Crew will torch cut and remove uninsulated pipes later today. Work starting on removal of E side windows. Set up air sample.

0745 - Met with Douglas G. outside Bldg. 34. Roof work continuing on Bldg. 34. 2nd Fl. of Bldg 34 ready for inspection. All ACM removed from floor and baseboards except mastic on wood to be resolved later. Bldg. 67 will be ready for inspection at 0800.

0800 - Inspected Bldg. 67 work area. Portions needing additional cleaning were marked with red paint yesterday. Worker still in area cleaning these portions.

Client: McDonnell Douglas Realty Co. Date: 9/27/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0830 - Fidel G. contacted Douglas by radio. Douglas indicated that Bldg. 67 work area would be complete at 0900.

0845 - Checked Bldg. 34 roof work area. Removal approx. 75% complete. Roof cutter machine is down and in process of repair. Checked Bldg. 1 tunnel work area. Window removal just completed for 1st section. Noted pieces of window putty on floor in tunnel and on ground outside tunnel. No wetting. Also noted other trades walking through demarcated area by stepping over barrier tape. Discussed correction of these items with R. Rickard at the edge of the work area.

0900 - Checked last few spots of Bldg. 67 work area for mastic removal. All are clean. Approved area for encapsulation. Confirmed with Douglas that all plastic except critical barriers and decon chamber would be removed following encapsulation and bagged out. FASI to run air test following plastic removal and drying of ~~cap~~ encapsulant.

0920 - Encapsulation in progress.

0930 - Checked Bldg 37 work area. Waste bag out underway using elevator. Waste is double-bagged and appears wet.

Client: McDonnell Douglas Realty Co. Date: 9/27/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0945 - Inspected Bldg. 34 2nd Fl. work area. Waste remains in work area, though most of the waste bags stored in the room closest to the work area entrance have been removed. Small pieces of floor tile remain at edges and in corners of rooms and scattered small pieces remain on open floor areas. Small areas of dark brown ACM baseboard mastic remain, especially in SW room. Some walls, especially SW portion and NE portion of work area appear to be sitting on top of floor tile.

1000 - Met with John Marasco near Bldg. 58. Gave status report for Bldg. 67 and obtained authorization to give copy of roofing survey summary letter to CST.

1015 - Bldg. 67 encapsulation complete. Plastic removal underway.

1020 - Met R. Rickard outside Bldg. 67 and delivered a copy of the roofing survey summary letter (dated 9/26/96) and a copy of lab test for Bldg. 1 tunnel roof.

1045 - Collected samples of roofing from Bldg. 37 south canopy connecting to Bldg. 1 tunnel.

1115 - Left site to deliver sample to lab.

1215 - On site. Set up clearance sampler in Bldg. 67 floor tile removal area (aggressive sampling).

1300 - Checked Bldg. 37. Noted water leak along E wall just S of decon. Fidel G. to correct.

Client: McDonnell Douglas Realty Co. Date: 9/27/96

Location: Harbor Gateway Center - Torrence

III. SUMMARY OF WORK/PROJECT NOTES

1330 - Observed demolition of Bldg. 58. Torch cutting of supports occurring to bring down siding & roof. Dry torch cutting of asbestos-coated panels by demolition sub contractor is occurring with no protective equipment or respirator. Forklift is dragging panels to dumpster and folding over panels with forks.

1340 - Notified J. Marasco and M. Stavale of unacceptable procedures for Bldg. 58 demolition.

1400 - J. Marasco met with R. Rickard and called P. Hussey of CST. Pat to stop demolition of Bldg. 58. No demolition to occur on weekend.

1500 - (714) 964-1060: Fax number for R. Rickard. Bldg. 67 clearance results to be faxed this afternoon. FASI left site to deliver clearance air samples to lab.

1535 - FASI on site. Deliver Bldg. 37 S canopy roof testing results to J. Marasco's desk.

1540 - FASI off site.

BOE-C6-0116648

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date : 9/30/96

Location: Harbor Gateway Center-Torrance Technician: Steve Long

Contractor: CST Environmental Signature : [signature]

Abatement Area(s): Bldg. 1 (Tunnel), Bldg. 37, Bldg 67, Bldg. 34

I. JOB SCOPE

✓ Air Sampling
- ___ Set-Up
- ✓ Removal
- ___ Cleaning
- ___ Finals

✓ Inspection
- ___ Set-Up
- ✓ Removal
- ___ Finals

II. WORK AREA

✓ Containment

✓ Glove-bagging

- Perimeter Sealed ✓
- Area HVAC Off ✓
- Shower and Decon Installed ✓ (Bldg. 37)
- Shower Water Filtered ✓
- Respirator (Make & Model North ½ face MSA + Racal PAPR

Differential Pressure Machines

- # of Machines 13
- Make & Model Various 2,000 CFM
- Visual Signs ✓
- Pressure Reading: N/A

Time	Reading

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545 • Telephone: 510/887-8828 800/827-FASI Fax: 510/887-4218
Los Angeles Office: 19443 Laurel Park Road, Suite 101, Rancho Dominguez, California 90220 • Telephone: 310/763-2374 Fax: 310/763-8684

Client: McDonnell Douglas Realty Co. Date: 9/30/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0710 - FASI on site. Meet R. Rickard in Bldg. 37. Deliver revised roof survey summary letter, Bldg. 67 air clearance results, and bulk sample analysis reports for Bldg. 37 canopy to Bldg. 1 tunnel.

0725 - Set up air sample in Bldg. 37.

0730 - Checked Bldg. 67. One worker is in area taking down critical barriers. He will also abate small areas of floor tile and mastic under doors.

0800 - Inspect Bldg. 1 appendage for ACM identified in original survey in the main portion of the building (i.e., piping).

0830 - Meet with J. Marasco in advance of project meeting.

0900 - Project weekly meeting

1130 - Meeting adjourns. Tour site with P. Hussey to identify additional buildings needing asbestos survey.

1225 - Check Bldg. 37. All OK. Take down air sample and start new sample.

1235 - FASI off site for lunch.

1300 - FASI on site. Check Bldg. 1 tunnel. Removal of metal coverings over windows underway in preparation for window removal. Set up air sample.

1330 - Check pipes in Bldg. 67. No removal of any ACM pipe fitting insulation identified in survey is evident.

1400 - Collect roofing samples on Bldg. 37.

1515 - Collect air samples.

1530 - FASI off site.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date: 10/1/96

Location: Harbor Gateway Center - Torrance Technician: Steve Lamy

Contractor: CST Environmental Signature: [signature]

Abatement Area(s): Bldg. 1 (tunnel), 37, 36, 61, 67

I. JOB SCOPE

✓ Air Sampling
- ___ Set-Up
- ✓ Removal
- ___ Cleaning
- ___ Finals

✓ Inspection
- ✓ Set-Up
- ✓ Removal
- ✓ Finals

II. WORK AREA

✓ Containment

✓ Glove-bagging

- Perimeter Sealed: ✓
- Area HVAC Off: ✓
- Shower and Decon Installed: ✓ (Bldg. 37)
- Shower Water Filtered: ✓
- Respirator (Make & Model: North ½ face Racal + MSA PAPR

Differential Pressure Machines

- # of Machines: 13
- Make & Model: Various 2000 cfm
- Visual Signs: ✓
- Pressure Reading: N/A

Time	Reading

Client: McDonnell Douglas Realty Co. Date: 10/1/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0655 - FASI on site.

0705 - Check Bldg. 37. Demolition underway on 4th Floor. Access through elevator only. Prep underway on 1st Floor, N portion. This will be abated separately, per CST, as will the 1st Fl. S portion and the 1st Fl. high bay W portion. Set up air sample.

0715 - Collect bulk samples on Bldg. 37 roof.

0830 - Observed CST workers on Bldg. 36 roof beginning to cut roof with roof cutter without wetting, without respirators and without fall protection. Spoke to Douglas on the Bldg. 36 roof about these issues. He will correct. Water is available on roof and worker harnesses and tie-off lanyards are available on the roof.

0840 - Spoke to Don Ferrell of Douglas Aircraft to alert him of high work occurring on Bldg. 36 and fall protection issue.

0850 - Rechecked Bldg. 36 - Harnesses in use by workers near edge of roof. Douglas informed me that the fall protection plan calls for use of harnesses only within 6 ft. of edge of roof.

0855 - Check Bldg. 37 prep. Floor complete. Workers hanging W critical barrier.

0900 - Observed pieces of weatherproof. ACM coating on ground in the vicinity of Bldg. 58 demolition.

Client: McDonnell Douglas Realty Co. Date: 10/1/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0905 - Spoke to R. Rickard in CST office about Bldg. 58 demolition housekeeping. FASI wants HEPA or wet cleanup continuously. R. Rickard states this is demolition contractor (Fox) responsibility and this material does not require cleanup. Fox workers not asbestos trained to R. Rickard's knowledge.

0910 - FASI off site to deliver Bldg. 37 samples to lab.

0945 - FASI on site. Window removal nearly complete in Bldg. 1 tunnel to Bldg. 34. Met Fidel G. at Bldg. 34. He reports Bldg. 37 has demo on 4th Fl., VFT removal complete on 3rd Fl., VFT removal 50% complete on 2nd Fl. (detail cleaning of beams continuing), and prep continues on 1st Fl. Roof removal continues on Bldg. 36. Harnesses in use at edge of building.

1015 - Inform FASI office and P. Hussey of CST of Bldg. 58 situation. Also discuss ultimate disposition of ACM coated steel siding and demolition notification issues with P. Hussey. He indicates that he will initiate clean-up at Bldg. 58, that information from the scrap recycler will be provided, and that he believes demolition notification was given separately from asbestos removal notification. Pat H. will follow-up on notification for demolition and call FASI with resolution.

Client: McDonnell Douglas Realty Co. Date: 10/1/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1130 - Leave voice message for Mario Stavale regarding Bldg. 58 status.

1135 - FASI off site for lunch.

1205 - FASI on site. Bldg. 58 demolition has stopped and a CST. worker is preparing to begin clean-up. Met with Fidel G. at Bldg. 61, who indicates he is supervising clean-up at Bldg. 58, which will be done with wet sweeping.

1230 - Walk site to mark on site plan additional facilities to be surveyed tomorrow.

1330 - Note truck on site apparently to remove full dumpster of ACM coated steel from Bldg. 58.

1345 - Call P. Hussey to discuss transportation of Bldg. 58 materials and licensing and registration of Bldg. 58 demolition contractor for asbestos work. Pat H. stated that Bldg. 58 material was not supposed to leave site today and that he will call R. Rickard to ensure that the material does not leave the site. Regarding licensing of contractor, Pat H. is not aware of licensing status or requirements, but will check. Informed Pat H. that FASI feels contractor must be licensed + registered for asbestos work and workers trained.

1400 - Called M. Stavale to update on Bldg. 58 situation. Will call again approx. 1500.

Client: McDonnell Douglas Realty Co. Date: 10/1/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1420 - Inspected Bldg. 67 VFT removal area for small areas of tile under doors removed following clearance. OK except for small pieces of tile present at outside edge of S sliding door leading to waste storage room. Small pieces of tile evident here (in waste storage room - Col. H13).

1429 - Pick up Bldg. 37 air sample. Check 1st Fl. prep. Fidel G. indicates spot removal from bottom of W beam of work area will be performed initially, to allow sealing of critical barrier to beam.

1445 - Check Bldg. 61 work area. Workers finished for the day. Approx. 50 linear feet of pipe insulation has been removed in SE portion of the building. Workers are finished for the day and have cleaned up the work area.

1500 - Called P. Hussey for update on Bldg. 58. One dumpster left site, but will be returned tomorrow. No information yet from Pat H. on licensing, registration, etc. for Bldg. 58 work. Promised for tomorrow.

1505 - Called Mario Stavales with Bldg. 58 update. Mario S. asked for a call tomorrow if issues not resolved by 10 AM.

1525 - Met Douglas G. at Bldg. 37. Informed him of Bldg. 67 tile remnants. CST to clean. He reports Bldg. 34 roof and Bldg. 1 tunnel to Bldg. 34 piping windows are complete. FASI to inspect tomorrow.

1530 - FASI off site.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date: 10/2/96

Location: Harbor Gateway Center - Torrance Technician: Steve Long

Contractor: CST Environmental Signature: [signature]

Abatement Area(s): Bldg. 61, 36, 37

I. JOB SCOPE

- ✓ Air Sampling
  - ✓ Set-Up
  - ✓ Removal
  - ✓ Cleaning
  - ✓ Finals
- ✓ Inspection
  - ✓ Set-Up
  - ✓ Removal
  - ✓ Finals

II. WORK AREA

- ✓ Containment
- ✓ Glove-bagging

- Perimeter Sealed: ✓
- Area HVAC Off: ✓
- Shower and Decon Installed: ✓ (Bldg. 37)
- Shower Water Filtered: ✓
- Respirator (Make & Model: North ½ face Racal + MSA PAPR

Differential Pressure Machines

- # of Machines: 13
- Make & Model: Various 2000 cfm
- Visual Signs: ✓
- Pressure Reading: N/A

Time	Reading

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545 • Telephone: 510/887-8828 800/827-FASI Fax: 510/887-4218
Los Angeles Office: 19443 Laurel Park Road, Suite 101, Rancho Dominguez, California 90220 • Telephone: 310/763-2374 Fax: 310/763-8684

Client: McDonnell Douglas Realty Co. Date: 10/2/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0705 - FASI on site. Construction Protective Services (CPS) guard at 190th St. gate has a list of authorized individuals to admit to the site, but Forensic Analytical is not on the list. Guard attempted to call R. Rickard, but his radio battery was dead. FASI admitted and will ask R. Rickard to personally talk to guard to authorize FASI personnel admittance, since radio contact not possible until radio is charged. Guard indicates this is his only radio.

0710 - Met with R. Rickard at Bldg. 36 to request communication of FASI site access authorization to CPS. R. Rickard requested a complete list of FASI personnel who may need to access the site.

0725 - Set up air sample in Bldg. 37. Crews have begun work.

0735 - Set up air sample in Bldg. 61. Workers are attaching the first glove bags of the day to pipes in the SE corner of the building, working from a lift.

0755 - Inform DAC Security at main gate of CPS guard's dead radio.

0800 - Deliver list of FASI personnel needing access to site to CPS gate guard and to R. Rickard in CST trailer.

0810 - Check Bldg. 61 work area. Work progressing. Area clean.

0820 - Inspected Bldg. 1 tunnel work area (final visual). Failed. Small pieces of pipe insulation and window putty in corners and along outside walls E and W of the tunnel. One stack of removed windows (wrapped in plastic) remains in tunnel.

Client: McDonnell Douglas Realty Co. Date: 10/2/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0830 - Met with Douglas G. in Bldg. 1 tunnel. Pointed out examples of remaining small pieces of ACM debris and stack of windows. Douglas to reclean, move windows, and notify FASI when ready for reinspection. Discussed recleaning of Bldg. 67 S door and Bldg. 34 2nd Floor, and walls on tile in Bldg. 34 2nd Floor. Areas have not yet been recleaned. Douglas to reclean and notify FASI for reinspection. Douglas will discuss issue of walls on tile in Bldg. 34 with CST superiors, for decision on treatment. Notified Douglas of need to label stored waste, particularly waste at Bldg. 33.

0915 - Met Emily Wallace of FASI at gate and conferenced over buildings to be surveyed. Assisted in survey of Bldg. 33 roof.

1010 - Met Paul Emory near Bldg. 67. He indicated that a fire alarm had been pulled in Bldg. 37 (at pull box), but that no one had remained in the vicinity. DAC security investigating. Paul E. can provide access to locked buildings for surveys if necessary

1030 - Called P. Hussey at office, not in. Called Mario Stavale to update that no information has been received from CST yet on Bldg. 58, but that no work has occurred at Bldg. 58 today.

1050 - Checked air sample in Bldg. 61. Appears dark. Put on new sample cassette.

Client: McDonnell Douglas Realty Co. Date: 10/2/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1100 - Met Douglas in Bldg. 61 and observed together the two man work crew on a lift remove pipe insulation by holding an open glove bag up to the pipe and pulling off pipe insulation into bag without sealing bag to pipe. Douglas spoke to crew to correct the situation.

1105 - Reported observations of glovebag operation to R. Rickard near Bldg. 37 and asked him to verify with Douglas.

1110 - Fidel G. at Bldg. 37 indicated that he is sending new workers experienced in glovebagging to Bldg. 61 to perform the work, replacing the current crew.

1120 - Checked Bldg. 61. Workers leaving area. No work occurring. Took down air sample.

1140 - FASI off site for lunch. E. Wallace & S. Long

1215 - FASI on site.

1230 - Called P. Hurley at CST office. He shut down demolition operations until submittals are complete and delivered to FASI. He will be at site with submittals this afternoon.

1240 - Checked Bldg. 61. Work crew glovebagging on lift. Just completed a glovebag and bagging waste. No removal currently in progress. Met Douglas in building and noted glovebags with waste in unsealed second waste bag on floor. Douglas to seal second bags to complete double-bagging of waste.

Client: McDonnell Douglas Realty Co. Date: 10/2/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1250 - Check Bldg. 37. Waste bags being loaded into dumpster. Dumpster approx. 1/3 full. No generator ID # or name on bags. Discuss with Fidel G., who indicates that he has labels with the appropriate information and will correct the problem by applying labels to each bag, including those already in the dumpster.

1300 - Check with E. Wallace of FASI on progress of survey.

1310 - Return to Bldg. 37 to check on waste bag labelling. Dumpster now 1/2 full with visible bags labelled. Bags at rear and bottom have not been labelled. Discuss with Fidel G. Workers begin removing bags from dumpster to apply labels. Remain at dumpster until 1340 to verify labelling of bags.

1345 - Check with E. Wallace on progress of survey. Will not be complete by 3:30pm today. Emily will return tomorrow morning to complete.

1400 - Talk to Kirby Westergren in FASI office and give overview of incidents observed at site. Call Mario Stavale with update. Leave voice mail message.

1430 - Meet Pat Hussey at CST field office and receive pre-construction submittals. Discuss glovebag and waste incidents of today. Agree to pursue meeting between FASI, CST & McDonnell Douglas outside of regular Monday project meeting. Discuss Bldg. 34 mastic on wood and walls on tile. Pat H. reports coated steel removed from site yesterday has been returned, compressed into bales.

Client: McDonnell Douglas Realty Co. Date: 10/2/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1445 - Met Mario S. and Merle P. at DAC plant gate. Discussed today's incidents and proposed CST meeting.

1505 - Check on Bldg. 37 and take down air samples. Fidel G. reports that 1st Fl removal will begin tomorrow. Douglas R. reports that Bldg. 1 tunnel and Bldg. 67 VFT spot removal recleaning have been completed. Bldg. 34 roof also complete. FASI to inspect tomorrow.

1525 - Check Bldg. 61 work area. Crew finished for the day. Take down air sample.

1530 - FASI off site.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date: 10/3/96

Location: Harbor Gateway Center - Torrance Technician: Steve Long

Contractor: CST Environmental Signature: [illegible]

Abatement Area(s): Bldg. 61, 36, 37

I. JOB SCOPE

- ✓ Air Sampling
  - ✓ Set-Up
  - ✓ Removal
  - Cleaning
  - Finals
- ✓ Inspection
  - ✓ Set-Up
  - ✓ Removal
  - ✓ Finals

II. WORK AREA

✓ Containment ✓ Glove-bagging

- Perimeter Sealed ✓
- Area HVAC Off ✓
- Shower and Decon Installed ✓ (Bldg. 37)
- Shower Water Filtered ✓
- Respirator (Make & Model North ½ face MSA + Racal PAPR

Differential Pressure Machines

- # of Machines 13
- Make & Model Various 2000 cfm
- Visual Signs ✓
- Pressure Reading: N/A

Time	Reading

Client: McDonnell Douglas Realty Co. Date: 10/3/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

0705 - FAST on site. Obtain stepladder for survey use from Paul Emory. Assist E. Wallace at Bldg. 27.

0730 - Check Bldg. 61 work area. Workers properly attaching glovebags to pipes, using a manlift for work platform.

0750 - Check Bldg. 37. Waste bag loading into a second dumpster that has been delivered to the site, is underway. Bags are properly sealed, with OSHA, DOT, SCAQMD and generator labelling. Dumpster approx. half full. Negative air machines not yet running in 1st Fl. N abatement area. Set up air samples adjacent to upper floor work area decon and adjacent to 1st Fl. work area.

0810 - Perform final inspection of Bldg. 1 tunnel pipe insulation and window putty removal area, after recleaning. Area passed. Roof sealant tar and possibly pipe insulation in Bldg. 34 portion of tunnel remains to be abated. No clearance sampling (air sampling) performed in this area, as it is essentially outdoors.

0820 - Rechecked last area of Bldg. 67 VFT removal area ~~needing~~ recleaned yesterday. Area passed, completing post-clearance spot removals under doors. Waste remains in room 5 of work area. VFT remains to be abated on E side of building, as well as pipe fitting insulation and roof sealant and flashing tar.

Client: McDonnell Douglas Realty Co. Date: 10/3/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0830 - Perform detailed walk-through of Bldg. 67 and 61 to identify various areas of ACM, comparing field observations with Hall-Kimbrell and FASI surveys.

0935 - Observe backhoe in Bldg. 61 digging test pit. Check air sample and take down, as filter appears to be picking up some dust from backhoe and manlift exhaust.

1000 - Left voicemail for Mario S. inquiring about proposed meeting with CST. System seems strange, message possibly not recorded. Checked for messages at FASI office. Called P. Hussey at office (no tie) and mobile (no connection). Called M. Starale and repeated voice mail message.

1030 - Assist E. Wallace with roof sampling.

1130 - FASI (S. Long + E. Wallace) off site for lunch.

1200 - FASI on site. Check Bldg. 37. Below ceiling demo underway on 4th Floor, removal continues on 3 + 2. Fidel G. indicates removal in 1st Fl. N area will not begin until tomorrow. Lost power to air sample outside 1st Fl. N area. Changed air sample cassette on Col. C13 sampler.

1230 - Assist E. Wallace to complete survey work. Return DAC ladder.

1330 - E. Wallace off site

Client: McDonnell Douglas Realty Co. Date: 10/3/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1340 - Called FASI office. Received message of meeting with CST and MDRC tomorrow at 1PM (Bldg. 18).

1410 - Called FASI office for Bldg. 37 South roofing sample results. All south roofing contains asbestos. Silver paint area (None detected) is applied over ACM roofing, so it will be removed along with underlying roofing.

1420 - Check Bldg. 61 work area and air sample. Glovebag in use is attached properly in preparation for removal. Air sample filter appears OK.

1430 - Inspect Bldg. 34 roof. Main field acceptable, but W canopy has not been removed and flashing and sealant tar remain on parapet walls and some ducts/fans. Small pieces of roofing remain in drain depressions and other openings, as well as in heavier tarred areas, particularly NW. Ground level perimeter has not been cleaned of debris fallen from roof. Inspection failed. Vibration joint cloth also remains on rooftop fan units.

1450 - Check Bldg. 37 for work progress. Work continues on 2, 3 and 4. Wall demo occurring on 4. No above ceiling demo yet. Per Fidel G., above ceiling demo will be performed under negative pressure containment. Took down air sample. Took down air sample in Bldg. 61. Workers cleaning up.

1505 - Collected bulk samples of lightweight concrete roof deck on Bldg. 34. Cant strip is constructed of identical material.

1520 - Left site to deliver samples to lab for rush analysis.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date: 10/4/96

Location: Harbor Gateway Center - Torrance Technician: Steve Long

Contractor: CST Environmental Signature: [signature]

Abatement Area(s): Bldgs. 67, 61, 36, 37

I. JOB SCOPE

✓ Air Sampling
- ✓ Set-Up
- ✓ Removal
- Cleaning
- Finals

✓ Inspection
- ✓ Set-Up
- ✓ Removal
- Finals

II. WORK AREA

✓ Containment

✓ Glove-bagging

- Perimeter Sealed ✓
- Area HVAC Off ✓
- Shower and Decon Installed ✓ (Bldg. 37)
- Shower Water Filtered ✓
- Respirator (Make & Model North ½ face MSA + Racal PAPR

Differential Pressure Machines

- # of Machines 16
- Make & Model Various 2000 CFM
- Visual Signs ✓
- Pressure Reading: N/A

Time	Reading

Client: McDonnell Douglas Realty Co. Date: 10/4/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0710 - FASI on site after picking up bulk sample results at lab. Check Bldg. 61. Glovebagging in progress appears OK. Set up air sample.

0730 - Check Bldg. 37. Workers inside containment, same areas as yesterday. First Floor N containment not yet under negative pressure. No work. Four negative air machines are in place but not running.

0745 - Tour Bldg. 67 with Douglas Rivas. Point out additional areas of VFT and mastic and pipe fitting insulation identified in Hall-Kimbrell survey. Note also that tar sealant remains to be removed from roof.
Tour Bldg. 54 roof with Douglas R. Point out items to be corrected from yesterday's failed visual inspection.

0915 - Check Bldg. 37. Note N stairwell 3rd Fl. window critical barrier is falling down. Fidel G. not in general area. Spoke to worker prepping on 1st Fl., who will relay message to the in-containment foreman.

0920 - Met with John Marasco in FASI field office. Reviewed events of last few days: work practice violations, coordination problems, safety (fall protection), submittals.

1000 - Check Bldg. 36. Crew moved to Bldg. 34 roof for recleaning. Bldg. 36 roof is 95% complete with grass removal. Douglas R. indicates that Bldg. 36 roof may be ready for inspection today.

Client: McDonnell Douglas Realty Co. Date: 10/4/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1015 - Check Bldg. 67. Two workers preparing to begin glovebag pipe fitting removal. Set up air sample. Douglas R. indicates that pipe fitting removal is the only abatement scheduled for Bldg. 67 today. VFT areas and roof tar sealant not planned for removal today.

1050 - Check Bldg. 61. Glovebag work continues. Observe pipe on ground that was removed in sections, unwrapped and with damaged, friable insulation showing. Notified Douglas R. to correct. Douglas indicates that workers in Bldg. 67 feel that HPS pipe insulation is ACM. FASI will address possible confirmation sampling at 1300 hrs. meeting. Meanwhile, CST will not disturb.

~~1110 - Meet with~~ 1130 - FASI off site for lunch.

1200 - FASI on site. Meet with R. Rickard and J. Marasco at Bldg. 18 regarding coated steel ACM removal.

1250 - Check and change air samples.

1300 - Meet with J. Marasco, P. Hussey, and M. Stavales at Bldg. 18.

1505 - Meeting adjourns.

1525 - J. Marasco, M. Stavale, and Merle P. tour site with S. Long. Pick up air samples.

1610 - FASI off site. Discuss with gate guard (DAC) that Bldg. 37 1st Fl. elevator lobby entered by DAC security and Honeywell last night ~~is not~~ in response to an alarm or trouble in system is not a contaminated area, despite signage. DAC also contacted CST last night before entering the area and got the OK.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date: 10/7/96

Location: Harbor Gateway Center - Torrance Technician: Steve Long

Contractor: CST Environmental Signature: [signature]

Abatement Area(s): Bldgs. 67, 61, 36, 37

I. JOB SCOPE

✓ Air Sampling	✓ Inspection
✓ Set-Up	✓ Set-Up
✓ Removal	✓ Removal
Cleaning	Finals
Finals	

II. WORK AREA

✓ Containment ✓ Glove-bagging

- Perimeter Sealed ✓
- Area HVAC Off ✓
- Shower and Decon Installed ✓ (Bldg. 37
- Shower Water Filtered ✓
- Respirator (Make & Model North 'n face MSA + Racal PAPR

Differential Pressure Machines

- # of Machines 12
- Make & Model Various 2000 CFM
- Visual Signs ✓
- Pressure Reading: N/A

Time	Reading

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Client: McDonnell Douglas Realty Co. Date: 10/7/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0710 - FASI on-site with Bldg. 34 & 37 bulk sample reports and letters addressing Friday, 10/4/96 meeting.

0730 - Set up air samples in Bldgs. 67, 61 and 37.

0740 - Met Fidel G near Bldg. 37. He reports that Bldg. 37 1st Floor N removal will begin today and 4th Floor above ceiling demolition will begin under negative pressure conditions.

0750 - Collect bulk samples of Bldg. 34 parapet wall flashing.

0810 - Collect bulk samples of Bldg. 67 high pressure steam pipe and pipe fitting insulation. It appears that the white black HPS pipe and fitting insulation tested by Hall-Kimbrell and found to be non-asbestos is present only in the vicinity of Column C13, and at lower heights, where equipment was previously located. The balance of the HPS system in the building appears to be insulated with fiberglass on the straight runs and mudded, cementitious insulation on the fittings.

0830 - FASI departs site to deliver bulk samples to lab.

0900 - FASI on site for weekly project meeting.

1005 - Project meeting adjourns. Check air samples. All filters seem OK.

1035 - Lab pages with bulk sample results. Bldg. 34 flashing is ACM. Bldg. 67 HPS fitting insulation is ACM. Bldg. 67 HPS white black pipe insulation (straight runs near C13) are non-asbestos.

Client: McDonnell Douglas Realty Co. Date: 10/7/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1100 - Observe glovebag operation in progress in Bldg. 61 near ceiling at Column D22. The following improper practices were observed:

- Workers moved a glovebag, already containing several sections of removed pipe insulation, along the pipe to use in removing an additional section of pipe insulation.
- The glovebag was opened at the top to allow insertion of a sprayer wand to wet pipe insulation.
- Following removal of pipe insulation section, the glovebag was sealed and placed into two overlapping waste bags (glovebag and contents too large to fit into one waste bag) and the waste bags were sealed. No HEPA vacuum was used or observed to be present in the work area.
- No leak check of glovebag was performed prior to use.
- Small pieces of pipe insulation were observed on the floor along the Bldg. 61 E wall, where previous glovebag pipe insulation removal has taken place.

1130 - CST workers take lunch.

1145 - Met P. Hussey near Bldg. 61 and reported results of Bldg. 34 roof and Bldg. 67 pipe insulation testing.

BOE-C6-0116671

Client: McDonnell Douglas Realty Co. Date: 10/7/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1155 - FASI off site for lunch.

1210 - FASI on site.

1240 - Met Fidel G. in Bldg. 37. He indicates 4th Fl. below-ceiling demo will continue through today's shift. Above-ceiling demo will start tomorrow. Six HEPA negative air units are planned for the 4th Floor. 1st Floor N area has not commenced removal, as electrical power has been lost for running the HEPA negative air machines(4). Fidel expects to restore power and begin removal tomorrow. Changed air sampling cassette for Bldg. 37.

1300 - Check Bldg. 61. No work in progress at this time. Changed air sampling cassette.

1307 - Changed air sampling cassette in Bldg. 67. Check work area on mezzanine level. No glovebag currently in use. Worker reports that some pipe hangers contain an insulation material between the bottom of the pipe and the hanger. Two have been removed so far. Removal was difficult, due to the weight of the pipe pressing down on the insulation.

1330 - Call FASI office from Bldg. 18 field office.

1340 - Return to Bldg. 67. Observe completion of glovebag removals near S fan unit on mezzanine (2nd Fl.). Bags have been attached under multiple fittings as an open-top funnel, not sealed at the top. Bags are pinched shut at center and removed from pipe without the use of a HEPA vacuum.

Client: McDonnell Douglas Realty Co. Date: 10/7/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1400 - Meet J. Marasco at Bldg. 36. A fire has just been extinguished, which was caused by torch sparks from window removal in Bldg. 36 falling onto the tarp covering a Bldg. 36 roofing waste dumpster, igniting the tarp. Examine Bldg. 67 mezzanine work area with J. Marasco. All glovebags have already been cut down. Discuss positive testing results for Bldg. 67 HPS pipe fitting insulation. Discuss problems observed in Bldg. 61 and 67 glovebag operations. J. Marasco to inform R. Rickard.

1420 - Observe window removal on N side of Bldg. 36. Two workers using lift to access 2nd story windows and torch to cut through perimeter attachments of window frame to the building. When almost cut through, a line is attached to the top of the frame through a hole made in a glass pane. The lift basket is then attached to the line and the lift is used to pull up and out on the frame, breaking the final attachments at the bottom of the frame and lowering the frame to the ground intact.

1450 - Begin picking up air samples. No removal work occurring in Bldg. 61. Bldg. 37 work progressing in same areas as this morning. Visible critical barriers intact. Negative pressure evident.

Client: McDonnell Douglas Realty Co. Date: 10/7/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1500 - Pick up Bldg. 67 air sample. Observe two CST workers cleaning up near mezzanine S fan unit using only a shovel and a waste bag to clean up fallen pieces of pipe fitting insulation. No water was used.

1515 - Call FAST lab to order analysis of balance of Bldg. 37 south high bay roof samples.

1525 - Check with R. Rickard at CST office for personal sample results. No additional results have been received.

1530 - FAST off site.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date: 10/8/96

Location: Harbor Gateway Center - Torrance Technician: Steve Lerma

Contractor: CST Environmental Signature: [signature]

Abatement Area(s): Bldg. 36, 37, 61, 67

I. JOB SCOPE

✓ Air Sampling
✓ Set-Up
✓ Removal
Cleaning
Finals

✓ Inspection
✓ Set-Up
✓ Removal
Finals

II. WORK AREA

✓ Containment
✓ Glove-bagging

- Perimeter Sealed ✓
- Area HVAC Off ✓
- Shower and Decon Installed ✓ (Bldg. 37)
- Shower Water Filtered ✓
- Respirator (Make & Model North ½ face MSA + Racal PAPR

Differential Pressure Machines

- # of Machines 22
- Make & Model Various 2,000 CFM
- Visual Signs ✓
- Pressure Reading: N/A

Time	Reading
1300	NE barrier bulging out Bldg. 37 1st Fl. N work area

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Client: McDonnell Douglas Realty Co. Date: 10/8/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0735 - FASI on site with air and bulk sample report copies picked up at lab. Deliver to FASI and MDRC field office.

0745 - Check Bldg. 67. Workers preparing glovebags for removal of last few fittings on pipes at S fan unit (mezzanine). Glovebags appear to be attached properly. No smoke test. No HEPA vacuum present.

0800 - Check Bldg. 61. Set-up for glovebag removal is in progress on 2nd Floor at Col. D35. Set up air sample.

0830 - Check Bldg. 37. Removal has begun on 1st Fl. N area. Fidel G. reports bead blasting has begun on 3rd Fl. and below ceiling demo continues on 4th Floor. Set up air sample. Noted that only 2 of 4 negative air machines in 1st Fl. N work area are running, and these two machines intermittently stop, then restart. Fidel G. to check.

0850 - Check Bldg. 36. Window removal underway. Two sections removed so far. Methods are the same as those used yesterday.

0900 - Check Bldg. 61. Torch cutting of pipes underway. Particulate is beginning to build up on air sampling filter. Took down air sample.

0910 - Check Bldg. 37. HEPA negative air machines in 1st Fl. N area not working. Removal continues, as evidenced by the sound of scraping on beams inside the work area.

0920 - Tour Bldg. 37 with J. Marasco. Work continues in Bldg. 37 1st Fl. N work area, although negative air machines remain down.

Client: McDonnell Douglas Realty Co. Date: 10/8/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0923 - Power restored to Bldg. 37 1st Fl. N negative air machines (3 of 4).

0925 - Note fireproofing debris outside barrier on E wall of 1st Fl. N work area. J. Marasco inspects area with R. Rickard. Fireproofing debris appeared to be dry or inadequately wet.

0940 - Check Bldg. 36. Window removal proceeding as before. Note window putty debris on the ground beneath the openings for windows removed yesterday (N wall, E end). No fall protection noted on worker climbing out of man-lift through window onto second story beam inside the building to perform torch cutting.

0950 - Check Bldg. 61. Two pipes cut down so far today. Workers positioning for next glovebag operation. One worker using a rolling stepladder atop a picnic table to work from.

1000 - Met J. Marasco at Bldg. 58. For testing shear machine on partially demolished section of Bldg. 58. Report fall protection issues observed to J. Marasco: Bldg. 36 window removal, Bldg. 61 picnic table, Bldg. 67 scaffold with no guardrails yesterday.

1030 - Review lab results from small building survey. Call FASI lab with edits of sample location descriptions.

1125 - FASI off site for lunch.

1150 - FASI on site.

1210 - Check Bldg. 37. 1st Fl. N barriers on E side are bulging out. All 4 negative air machines running. Two small breaches in critical barrier at decon. Check clean-up outside NE barrier. Still small pieces of debris present.

Client: McDonnell Douglas Realty Co. Date: 10/08/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1215 - Change Bldg. 37 air sample cassette.

1220 - Check Bldg. 67. Workers gathering equipment to begin glovebag work in 2nd Fl. N fan room.

1225 - Note that demolition of the portion of Bldg. 58 that had remained standing after the interruption of demolition previously, is now well underway. Shear machine is pulling down the building and forklift is gathering up asbestos-coated steel panels. Called J. Marasco in Long Beach office. J. Marasco to make calls to halt demolition.

1230 - Check Bldg. 67. Workers attaching bags in 2nd Fl. N fan room for glovebag removal. Set up air sample in fan room. Sample air flow will be started later during actual removal. Work crew has now split up, with one worker in fan room and one worker glovebagging from lift near Column C6.

1245 - Check Bldg. 37. Most fireproofing has been removed from beams and is covering floor of work area. Fidel G. asks for approval to leave fireproofing on the floor overnight. Not given. Fidel G. indicates he will gather fireproofing debris into piles and cover with plastic overnight. Critical breaches at decon have been repaired. Small pieces of fireproofing debris are noted near the W work area barrier (outside the barrier) and in the vicinity of waste bags removed from the work area.

Client: McDonnell Douglas Realty Co. Date: 10/8/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1315 - Check Bldg. 67. Crew has now joined up for glovebag removal. Apparently crew only split up for prep work. Crew working from lift at Column C6.

1325 - Bldg. 58 clean-up of previous demolition occurring by Fox with forklift and shear machine. No new demolition is occurring.

1340 - Check Bldg. 67. Glovebag removal continues from lift at Column C6. Pieces of insulation observed on ground beneath lift. Started air sample.

1350 - Check Bldg. 61. Workers continue glovebagging and cutting down pipes. Pipes are not wrapped prior to cutting down and remain improperly stored, unwrapped, with damaged and friable insulation ends. Too much torch smoke for air sample.

1355 - Check Bldg. 36. Five of seven window bays have been removed so far. Workers are improperly dry sweeping fallen debris from window putty into piles.

1405 - Check Bldg 37. Debris along W 1st Fl. critical barrier and outside decon has been cleaned up. Fireproofing covering floor in work area.

1425 - Call P. Hussey at CST office. Report Bldg. 37 lab results. Discuss applicability of SCAQMD Procedure 2 and Procedure 4 to glovebag pipe insulation removal and cutting down of pipes and windows intact.

Client: McDonnell Douglas Realty Co. Date: 10/8/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1450 - Check Bldg. 67. Glovebag removal has begun in 2nd Fl. N fan room. Workers midway through operation. Glovebag appears to be properly sealed. No HEPA vacuum in area for end of operation.

1500 - Check Bldg. 37. Smoke test negative pressure containments. Negative pressure is evident, except at 1st Fl. H work area HE roll-up door opening barrier. Here pressure is positive in the work area relative to the outside, with smoke flowing outward from barrier when tested. This is probably due to effect of afternoon wind from the west, as the barrier is on the downwind (east) side of the building. Informed Fidel G. of situation. He may try closing some building doors to correct. Picked up Bldg. 37 air samples.

1520 - Check Bldg. 67. Workers finishing up for the day. Debris not yet cleaned up at Col. C6. Picked up air sample.

1530 - FASI off site.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date: 10/9/96

Location: Harbor Gateway Center - Torrance Technician: Steve Long

Contractor: CST Environmental Signature: [signature]

Abatement Area(s): Bldg. 29 (Roof), 67, 61, 37

I. JOB SCOPE

✓	Air Sampling	✓	Inspection
✓	Set-Up	✓	Set-Up
✓	Removal	✓	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

✓ Containment ✓ Glove-bagging

- Perimeter Sealed ✓
- Area HVAC Off ✓
- Shower and Decon Installed ✓ (Bldg. 37)
- Shower Water Filtered ✓
- Respirator (Make & Model North ½ face MSA + Racal PAPR

Differential Pressure Machines

- # of Machines 22
- Make & Model Various 2,000 cfm
- Visual Signs ✓
- Pressure Reading: N/A

Time	Reading
0730	All barriers show inward movement. Smoke test OK.
1240	NE Bldg. 37 1st Fl. barrier bulging outward. All other barriers OK.

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Los Angeles Office: 19443 Laurel Park Road, Suite 101, Rancho Dominguez, California 90220 • Telephone: 310/763-2374 Fax: 310/763-8684

Client: McDonnell Douglas Realty Co. Date: 10/9/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0715 - FASI on site. Deliver yesterday's logs and bulk sample results to J. Marasco's desk and logs and air sample reports to project notebook in field office.

0730 - Tour site. Set up in progress in Bldgs. 29 (Roof), 67, and 61. Removal in progress in Bldg. 37, with above-ceiling demo under negative pressure on the 4th Floor, ~~shot bl~~ bead blasting of mastic on 3, and fireproofing removal on the 1st Fl. (N area). Set up air samples in Bldg. 37. Met Fidel G. and noted that 1st Fl. N observation windows had been covered with plastic from inside the work area. Fidel corrected. Fireproofing on floor in 1st Fl. N work area appears adequately wet. Workers removing metal panels from N wall of work area to access fireproofing underneath.

0810 - Check Bldg. 36. Workers torch cutting frame to remove windows from last remaining wall opening (N wall, E end, 1st level).

0820 - Check Bldg. 61 crew of two is continuing glovebag removal of pipe insulation on 2nd Fl., near column D31. Torch cutting of pipe in area of removed insulation is in progress. Observe one worker performing removal of pipe insulation using waste bag instead of glovebag. Scraping tool is inside ~~glovebag~~ waste bag, and the worker is gathering slack in the bag in order to grip scraper from outside bag. Other worker is not assisting, but performing other tasks in the area (clean-up, torch cutting, etc.). Set up air sample during this operation.

Client: McDonnell Douglas Realty Co. Date: 10/9/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0910 - Called J. Marasco at Long Beach office. Not in.

0915 - Check Bldg. 67. Glovebag work occurring from lift in NE corner of the building. Demolition of side panels of the building is occurring in the same area, as the electrical power to the building has been cut, and this will give workers light.

0925 - Check Bldg. 36. Last window has been removed. Workers wrapping windows in plastic.

0930 - Check Bldg. 61, Work continues on 2nd Fl. near Column D32. One worker is performing pipe insulation removal with a waste bag sealed to pipe and another worker is performing a glovebag removal with two glovebags joined together and sealed to pipe. Set up air sample. Observed the following improper practices during glovebag operation:

- No smoke test of bag
- Dry removal
- Performance of glovebag operation by only one worker
- Puncturing of bag during removal to insert sprayer for washing of bare pipe.
- Cutting apart two bags previously sealed together, in order to remove full bag from pipe while other bag remains.
- No sealing of glovebag prior to removal from pipe.
- No use of HEPA vacuum to collapse glovebag
- Glovebag not sealed prior to placing in waste bag.

Client: McDonnell Douglas Realty Co. Date: 10/9/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1010 - Pat Hussey appears in Bldg. 61 2nd Fl. work area. I note problems to Pat, and he talks to workers to make corrections. Take down air sample and proceed to Bldg. 67 with P. Hussey. Point out area of HPS lines where Hall-Kimbrell took samples. Proceed to E edge of site to observe electrical line installation progress with Pat H.

1100 - J. Marasco arrives at E edge of property. Discusses Bldg. 67 wall panel removal, which is occurring presently. Notes that some electrical is live and permit not yet given to MPRC. Orders halt to demo work.

1115 - Travel to Bldg. 67 with J. Marasco. Point out areas of debris remaining from yesterday's glovebag removals, on floor along column line 6. J. Marasco to contact Pat Hussey for correction.

1120 - Observe work on Bldg. 29 roof. Roof cutting machine in use. Improper practices observed:

- No wetting of roof along cut line.
- No HEPA vacuum clean-up of dust created by cutter.

1130 - Meet with J. Marasco in Bldg. 18 office. Discuss today's work so far.

1145 - FASI off site for lunch.

Client: McDonnell Douglas Realty Co. Date: 10/8/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

1200 - FASI on site. Meet with J. Marasco in field office, Bldg. 18. John M. indicates MDRC has returned monitest profile forms to CST after approval.

1210 - Observe workers cutting support post on Guard Shack SW of Bldg. 67. P. Hussey indicates the building will only be pivoted, in order to allow access through adjacent gate.

1240 - Check Bldg. 37, 1st Fl. NE barrier now bulging out, apparently confirming effect of afternoon wind. All negative air machines are operating. Take down air samples. Fireproofing remains on floor of 1st Fl. N work area. Fidel G. using forklift to remove a lower duct section outside work area at Col. C11. No obvious disturbance of fireproofing. Extensive water leakage from upper floors is occurring at Col. C13. Workers cleaning up water.

1300 - Check Bldg. 67. Workers setting up glovebags in NE corner of building. Between 8 and 15 glovebags have been connected together on various pipe runs in preparation for removal. Once underway, workers were not adequately wetting pipe insulation. Pipe insulation removed essentially dry. Two workers are working separately, on different sections of glovebags.

1330 - Walk Bldg. 57. Pipe insulation referenced in Hall-Kimbrell survey not evident.

1350 - Call FASI lab. Additional buildings survey hard copy results complete.

Client: McDonnell Douglas Realty Co. Date: 10/9/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1410 - Check Bldg. 67. Glovebag work proceeds as earlier today. Approximately 50% of attached glovebags have been completed. Pipe insulation debris along column line 6 still not cleaned up

1425 - Cleanup of Bldg. 58 demolition debris from asbestos-coated steel panels still has not begun.

1435 - Meet with J. Marasco in Bldg. 18. He indicates he has halted all demolition on the site and sent all demo contractors home, as he does not yet have a demolition permit in hand.

1440 - Delivered additional copies of bulk testing results distributed a the Monday, 10/7/96 project meeting to CST field office (Bldg. 34 roof deck and Bldg. 37 south roof results requested by R. Rickard). Check for personal sampling results of CST workers. Most recent results posted are for samples collected on 9/19/96.

1450 - Check Bldg. 37. Workers finishing up for the day. Observed workers inside 1st Fl. N work area covering observation windows from the inside.

1505 - Mario Stavaler arrived at Bldg. 37. Reviewed status of overall project and continuing improper work practices. Spoke specifically about glovebag violations. Noted no response from CST yet on issues from 10/4/96 meeting.

1515 - Alarm bell rings inside work area for approx. 1 min., then silenced.

1525 - Check with DAC Security. They are aware of Bldg. 37 alarm and are addressing.

1530 - FASI off site.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. **Date :** 10/10/96

Location: Harbor Gateway Center - Torrance **Technician:** Steve Long

Contractor: CST Environmental **Signature :** [signature]

Abatement Area(s): Bldgs. 67, 61, 29, 37, Tunnel from Bldg. 1 to Bldg. 34

I. JOB SCOPE

✓ Air Sampling
- ✓ Set-Up
- ✓ Removal
- Cleaning
- Finals

✓ Inspection
- ✓ Set-Up
- ✓ Removal
- ✓ Finals

II. WORK AREA

✓ Containment

✓ Glove-bagging

- Perimeter Sealed ✓
- Area HVAC Off ✓
- Shower and Decon Installed ✓ (Bldg. 37)
- Shower Water Filtered ✓
- Respirator (Make & Model North ½ face MSA Ultra Twin PAPR

Differential Pressure Machines

- # of Machines 22
- Make & Model Various 2,000 CFM
- Visual Signs ✓
- Pressure Reading: N/A

Time	Reading
0800	All barriers show inward movement
1300	Bldg. 37 - 1st Fl. N wall area NE barrier bulging outward. All other barriers OK.

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Client: McDonnell Douglas Realty Co. Date: 10/10/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0720 - FASI on site with air and bulk sample reports picked up from lab.

0730 - Meet with R. Rickard outside Bldg. 18. Discuss Bldg. 67 pipe and floor tile work. Report to R. Rickard that recent sampling confirms presence of asbestos in floor tile of exterior shack attached to E side of Bldg. 67, but only present in tile, not in mastic. R. Rickard notes that CST plans to bill Bldg. 67 HPS pipe insulation removal on a time and materials basis to MDRC (FASI estimate approximately 2 days labor so far for 2 men on this work). Report to R. Rickard that Bldg. 61 has similar E exterior shack as that present on Bldg. 67, also with ACM floor tile and non-asbestos mastic.

0740 - Deliver yesterday's logs to J. Marasco's desk and logs and air sample results to project notebook in field office.

0800 - Tour site. Roof work in progress on Bldg. 29. Preparation underway in Bldg. 67 for glovebag removal and for UFT removal in N janitor closet. Glovebag preparation occurring in Bldg. 61. Fireproofing removal continues in Bldg. 37 on Floors 1 (N area), 2 and 3, with bead blasting of mastic on 2 and above ceiling demo on 4. Fidel G. reports bead blasting was halted on 3 due to yesterdays flooding from pipes broken on 4, and that demo should be complete on 4 today, for removal to start tomorrow.

Client: McDonnel Douglas Realty Co. Date: 10/10/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0850 - Meet R. Rickard outside Bldg. 36, who reports that he will experiment this morning with a new strategy for window removal, pulling the frame out with a backhoe. He anticipates that this will break glass, but is hopeful that the putty will remain largely intact.

0900 - Check on Bldg. 67. VFT removal complete in N janitor closet, prep underway in S janitor closet.

0920 - Inspect roof of Bldg. 36. Felt removal complete except under fan units, where all felt remains. Selant tar remains at perimeter of roofs, on brick building structure and on metal perimeter flashing. Roofing remains on N canopy, where no removal has occurred. Rooftop vents with asbestos-containing weatherproofing on steel remains on upper roof. There are areas of roof deck that are severely rusted and have lost structural integrity.

0930 - Inspect area of Bldg. 37 south wall with R. Rickard where experimental backhoe procedure has been used to remove window frames. Despite the ability of the backhoe operator to remove the frames intact, and with minimal glass breakage, many pieces of window putty have fallen from the frames onto the ground, perhaps due to vibration and flexing of the frames and the age and brittleness of the putty. I express doubt to R. Rickard that this procedure can be used under the Procedure 3 notified to SCAQMD. R. Rickard to discuss with Pat Hussey and have workers clean up the window removal area.

Client: McDonnell Douglas Realty Co. Date: 10/10/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0950 - Inspect Bldg. 34 roof. Areas of residual felt noted on first inspection have been removed. The following materials remain:

- Roofing on West canopy
- Parapet wall flashing
- Tar sealant on some ducts and at top inside edge of parapet wall
- Vibration damper flex joint cloth on rooftop fan units
- Roofing debris at perimeter on ground level.

Waste dumpsters have been removed from Bldg. 34.

1005 - Return to Bldg. 18 field office to review survey results and update inspection summary.

1030 - Meet with J. Marasco in Bldg. 18 office. Receive copy of SCAQMD notification sent to MDRC by CST. Discuss 10 working day waiting period and designation on notification that all asbestos will be removed prior to demolition. J. Marasco notes that Central Reclamation has stated CST will be removing asbestos-coated steel panels prior to demolition. Review schedule and inspection issues. Discuss Bldg. 37 experimental window removal procedure.

1115 - M. Stavale arrives at Bldg. 18 office. Previous items are reviewed with M. Stavale. CST has told MDRC Bldg. 34 roof waste went to ECDC.

1150 - FASI off site for lunch.

1210 - FASI on site. Continue review of new survey information and summary update.

Client: McDonnell Douglas Realty Co. Date: 10/10/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1250 - Check work areas. Work continuing on Bldg 29 roof. Inadequate wetting provided. Workers in Bldg. 67 completing E center office VFT area (3rd of 4 remaining Bldg. 67 VFT areas). Bldg 37 work continues as this morning. Power washing of beams underway in 1st Fl. N removal area. Critical barrier has been cut on W side to run electrical cord for power washer out to power source. Not resealed. Observation windows remain covered from the inside, but enough view through gap to observe firepropting waste remains on floor. NE critical barrier now bulging out due to afternoon wind. All other criticals are pulled inward and appear intact. Set up air samples in Bldg. 37. Tunnel from Bldg. 1 to Bldg 34 has a crew of workers on the roof removing tar sealant.

1340 - Return to Bldg. 67 for inspection of VFT removal areas. South janitor closet and E center office area passed. N janitor closet has several small pieces of floor tile remaining around the edges of the room. Mastic removal is OK.

1350 - Supervisor Thomas T. not in area. Notify worker, now prepping in exterior shack E of Bldg. 67, of N janitor room debris. Observe worker chipping up approximately two tiles prior to establishment of critical barriers or donning of PPE. He states that he wanted to see how dificult tile would be to remove.

Client: McDonnell Douglas Realty Co. Date: 10/10/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1400 - Return to Bldg. 18 and call FASI lab for air sample results. Highest sample is less than 0.019 f/cc.

1430 - Check Bldg. 1 tunnel to Bldg. 34 roof. Workers have removed most tar sealant, but small areas remain. Tar sealant has also been removed from Bldg. 37 canopy to Bldg. 1 tunnel, but ACM field roofing remains.

1445 - Call FASI office to coordinate with Bob McWhorter for tomorrow's transition of site inspection duties.

1510 - Check Bldg. 58 demolition area. Clean up is approx. 70% complete. Asbestos-coated steel panels have been roped off with asbestos hazard tape. Backhoe is loading steel framing members into dumpster.

1515 - Check Bldg. 67. Reinspect N janitor's closet. Tile pieces have been cleaned up. Inspection passed. Inspect E exterior shack. Floor tile pieces and dust remain on floor. Inspection failed.

1520 - Check Bldg. 37. Workers showering out for the day. Critical barriers intact. Pick up air samples.

1530 - FASI off site.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date: 10/11/96

Location: Harbor Gateway Ctr.-Torrance Technician: Steve Lang / Bob McWhorter

Contractor: CST Environmental Signature: _____

Abatement Area(s): Bldgs. 29 (Roof), 67, 61, 37

I. JOB SCOPE

✓ Air Sampling
- ✓ Set-Up
- ✓ Removal
- Cleaning
- Finals

✓ Inspection
- ✓ Set-Up
- ✓ Removal
- ✓ Finals

II. WORK AREA

✓ Containment

✓ Glove-bagging

- Perimeter Sealed ✓
- Area HVAC Off ✓
- Shower and Decon Installed ✓ (Bldg. 37)
- Shower Water Filtered ✓
- Respirator (Make & Model North ½ face MSA + Racal PAPR

Differential Pressure Machines

- # of Machines 22
- Make & Model Various 2000 CFM
- Visual Signs ✓
- Pressure Reading: N/A

Time	Reading

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Client: McDonnell Douglas Realty Co. Date: 10/11/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0700 - FAST on site - Steve Long and Robert McWhorter. Review site drawings and project status in Bldg. 18 office. Deliver yesterday's logs to J. Marasco's desk and to project log notebook in field office.

0830 - Toured site with B. McWhorter. Work occurring in Bldgs. 29, 67 and 37. Demolition contractor is pulling panels from the sides of Bldg 61 to allow light into the building.

Workers on Bldg. 29 continue to use improper work practices, removing roofing essentially dry and using chutes and containers that are not dust tight.

Bldg. 67 work is occurring only on the roof, for removal of tar sealant.

Bldg. 37 work continues as yesterday, with hand blasting on Floors 2+3 and above-ceiling demo on 4. Power washing is occurring on 1st Fl. N. Set up air samples in Bldg. 37.

Met with R. Rickard and J. Marasco near Bldg. 61. Discussed Bldg. 67 asbestos removal. R. Rickard indicates pipe insulation removal is complete. Drywall will be removed just prior to building demolition.

1100 - Return to field office for additional review.

1230 - Discuss Bldg. 67 sealant tar removal with R. Rickard

Client: McDonnell Douglas Realty Co. Date: 10/11/96

Location: Harbor Gateway Center - Torrance

III. SUMMARY OF WORK/PROJECT NOTES

and J. Marasco at Bldg. 67. Tour roof with R. McWhorter, J. Marasco and R. Rickard. FASI to collect samples of tar sealant from pitch pots, ducts, and black tar from pitch pots and report results today to J. Marasco by phone.

1315 - Collected samples on Bldg. 67 roof. Discussed inspection of Bldg. 67 E ext. shack VFT removal area ~~The~~ with Thomas T. He will reclean.

1410 - S. Long off site

1450 (RDM) WORK STOPPING FOR THE DAY. CREW IN BLDG 37 CLEANING UP, DECONNING. GTZ.

1500 I COLLECT MR SAMPLES IN BLDG 67.

1515 I MEET JOHN MARASCO & RICKY RICKARD AT BLDG 18; THEY ARE PREPARING TO DEPART.

1530 RDM DEPARTS SITE.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDONNELL DOUGLAS REALTY CO. Date : 10/14/96

Location: HARBOR GATEWAY CTR, TORRANCE Technician: R. MCWHORTER

Contractor: CST Signature :

Abatement Area(s): BLDGS 37, 29 (ROOF),

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

X Containment _____ Glove-bagging

- Perimeter Sealed _____
- Area HVAC Off _____
- Shower and Decon Installed _____
- Shower Water Filtered _____
- Respirator (Make & Model _____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____
- Visual Signs _____
- Pressure Reading:

Time	Reading

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Client: MDRC Date: 10/14/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

0700 ARRIVE ON SITE (RDM), MAKE COPY OF FRIDAY 10/11/96 LOG & PUT IT ON J. MARASCO'S DESK

0720 RECEIVE PAGE FROM S. LONG (FAS). HE INFORMS ME THAT SEALANT TAR SAMPLES FROM ROOF OF BLDG 67 THAT HE COLLECTED FRI 10/11/96 ARE ASBESTOS CONTAINING, WHILE TAR SAMPLES FROM PITCH PANS ARE NEGATIVE. HE LEFT VOICE MAIL OF SAME INFO FOR J. MARASCO ON FRI 10/11/96 P.M.

0815 OBSERVE ROOF REMOVAL WORK IN PROGRESS ON E. SIDE OF BLDG 29

0835 I DISCUSS STATUS W/FIDEL IN BLDG 37. I SET SAMPLES

0915 I MEET W/J. MARASCO NEAR BLDG 67 WHERE SIDING IS BEING REMOVED FROM EXT. WALL WITH SHEAR. RICKY (CST) SAYS SEALANT TAR REMOVAL IN PROGRESS ON ROOF OF BLDG 67.

1000 FOLLOWING DISCUSSION RE ESTABLISHING SECURITY GATES & FENCE AROUND AREA, MARASCO, RICKY & DEMO CONTRACTOR DECIDE TO DEMO BLDG 1 TUNNEL THEN FENCE OPENING CREATED.

Client: MDRC Date: 10/14/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

1015 MARASCO & I PROCEED TO TUNNEL AREA FOX (DEMO) IS STARTING DEMO ON TUNNEL. MARASCO TELLS ME, UPON MY INQUIRY, THAT CST REMOVED REMAINING SEALANT TAR FROM TUNNEL.

1050 STEVE LONG ON SITE (OFFICE, BLDG 18). WE PROCEED TO BLDG 67 ROOF. (NOTE - GUARD SHACK AT S.W. OF BLDG 67 HAS BEEN MOVED FURTHER S. TO OTHER SIDE OF FENCE; THE CANOPY THAT WAS ATTACHED IS ALSO MOVED BUT HAS COLLAPSED - THE ROOFING MATERIAL IS ARM ON CANOPY.)

1100 ON ROOF OF BLDG 67, STEVE & I NOTICE THAT SEALANT REMOVAL WORK IS EVIDENT AROUND PITCH PANS & ELSEWHERE, BUT MUCH OF IT STILL REMAINS: SMALL AMOUNTS STILL ON SOME PITCH PANS; DUCTS HAVE SEALANT (UNTOUCHED); SEALANT UNTOUCHED ON VARIOUS EQUIPMENT PADS, VARIOUS PIPES, ETC.

1025 WHILE LEAVING BLDG 67 AREA, WE MEET RICKY WHO ASKS IF ROOF IS OK. STEVE TELLS HIM ABOUT REMAINING SEALANT

(MORE)

Client: MDRC Date: 10/14/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

1025 (CONTINUED) TAR. RICKY SAYS BLDG 67 WILL "COME DOWN" ANYWAY. STEVE & I LOOK FOR MARASCO TO DISCUSS SITUATION, BUT CANNOT LOCATE HIM ON SITE.

1120 STEVE DEPARTS SITE; HE WILL PAGE MARASCO FROM OFFICE TO DISCUSS STATUS OF BLDG 67.

1240 I COLLECT SAMPLES IN BLDG 37 & START NEW SET. (SAME LOCATIONS)

I RECEIVE SAMPLE RESULTS (ROOF SEALANT AND TAR) VIA FAX FROM STEVE LONG.

1330 AS REQUESTED BY STEVE LONG, I ~~ALL~~ GIVE COPY OF FAXED RESULTS TO RICKY (CST). RICKY & I ALSO DISCUSS LIKELIHOOD OF SIMILAR SEALANT MATERIAL ON UPCOMING ROOF AREAS.

1440 METAL SIDING (NON-ACM) REMOVAL IN PROGRESS S. END OF E. EXT WALL OF BLDG 67. DEMO CONTINUES ON TUNNEL OF BLDG 1.

1500 I COLLECT SAMPLES IN BLDG 37.

1510 ON THE BACK TO BLDG 18 OFFICE, I OBSERVE THAT THE "SIDING REMOVAL" ON BLDG 67 IS

(MORE)

Client: MDRC Date: 10/14/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

1510 (CONTINUED) NOW ALSO REMOVING SUPPORT COLUMNS ON S WALL, CAUSING ROOF TO SAG AT CENTER OF S WALL. I LOCATE RICKY AND ASK ~~WHAT~~ WHY THAT OPERATION IS IN PROGRESS SINCE THERE IS STILL SEALANT TAR TO BE REMOVED FROM ROOF. HE SAYS THEY ARE "LOWERING" THE ROOF SO HIS CREW CAN ABATE.

1525 I MEET MARTY (DEMO) AT BLDG 67. I ASK HIM WHO GAVE APPROVAL FOR DEMO; HE SAYS RICKY DID, BUT THEY (CST) WILL REMOVE ACM AFTER ROOF IS "LOWERED".

1540 I CALL STEVE LONG & INFORM HIM OF SITUATION.

1550 AT BLDG 18 OFFICE, I MEET MARASCO. HE HAS SEEN BLDG 67 AND HAS SPOKEN TO RICKY & MARTY. HE CALLS CST & TALKS WITH CST PRESIDENT (SAGE KAHARA ?)

1600 I DEPART SITE, MARASCO STILL IN OFFICE.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDONNELL DOUGLAS REALTY CO. Date : 10/15/96

Location: HARBOR GATEWAY, TORRANCE Technician: RDM

Contractor: CST Signature :

Abatement Area(s): BLDG 37, 61 (VFT)

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

X Containment _____ Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model ½ FACE & PAPR

Differential Pressure Machines

- # of Machines
- Make & Model VARIOUS
- Visual Signs
- Pressure Reading:

Time	Reading

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Client: MDRC Date: 10/15/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

0700 ARRIVE ON SITE (RDM). MAKE COPY OF YESTERDAY 10/14/96 LOG AND PUT ON J. MARASLO'S DESK.

0740 MEET FIDEL IN BLDG 37. WORK CONTINUES ON 1ST FLR CONTAINMENT & IN CONTAINMENT FOR UPPER FLOORS. ALSO, THEY ARE REMOVING SOME NON-ACM APPERTANANCES ~~TO ALSO~~ (RDM) FROM N/S WALL ALONG COL C LINE TO ALLOW ACCESS FOR SET-UP OPERATIONS FOR CONTAINMENT. SET-UP NOT SCHEDULED TO START TODAY.

0800 I START SAMPLES IN BLDG 37.

0810 SET-UP IN PROGRESS BLDG 61 (E. SIDE)

0830 BLDG. 61 VFT REMOVAL ABOUT READY TO START.

0845 I RETURN TO OFFICE FOR MEETING (BLDG 18). BLDG 61 VFT DUE TO START MOMENTARILY.

0900 I RETURN TO BLDG 61 & START SAMPLES (RDM)

0915 PROGRESS MEETING, BLDG 18 OFFICE.

1120 AFTER MEETING, STEVE LONG & I WALK ROOFS THAT WILL REQUIRE ADDITIONAL SAMPLING.

(RDM) 1145 I CHANGE SAMPLES IN BLDG 37.

Client: MDRC Date: 10/15/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

1220 STEVE LONG DEPARTS SITE. I BEGIN SAMPLING SEALANT TAR, ETC ON BLDG 61 ROOF.

1300 OBSERVE DEMO WORK IN PROGRESS ON S.E. CORNER AREA OF BLDG 67. NO WATER IS BEING USED; SHEAR OPERATED BY MR. FOX.

1400 AT BLDG 18 OFFICE, I MEET MARASCO AND TELL HIM ABOUT DEMO WORK, HE IS GOING THERE TO INVESTIGATE.

1530 I DEPART SITE.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDONNELL DOUGLAS REALTY CO. Date : 10/16/96

Location: HARBOR GATEWAY, TORRANCE Technician: RDM

Contractor: CST Signature :

Abatement Area(s): BLDGS 37, 61

I. JOB SCOPE

x	Air Sampling	x	Inspection
	Set-Up		Set-Up
x	Removal	x	Removal
	Cleaning	x	Finals
x	Finals		

II. WORK AREA

x Containment _____ Glove-bagging

- Perimeter Sealed x
- Area HVAC Off x
- Shower and Decon Installed x
- Shower Water Filtered x
- Respirator (Make & Model ~~½~~ FAPR & PAPR

Differential Pressure Machines

- # of Machines _____
- Make & Model VARIOUS
- Visual Signs ✓
- Pressure Reading:

Time	Reading

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Client: MDRC Date: 10/16/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

0700 ARRIVE ON SITE (RDM). DELIVER YESTERDAY'S (10/15/96) LOGS TO MARASCO'S DESK & COPY IN FAST FIELD BOOK.

0850 GATE ~~AT~~ AT S. END OF BLDG 67 NOW IN USE, GATE AT S. END OF BLDG 29 LOCKED. DEMO OF BLDG 67, S. SIDE, IN PROGRESS; NO ~~W~~ WATER APPARENT. RON FOX (NOT OPERATING SHEAR) MEETS ME & SHOWS ME A DEMO RELEASE FOR BLDG 67 SIGNED BY RICKY RICKARD, DATED 10/14/96 07:30 A.M. RELEASE INDICATES, AMONG OTHER THINGS, THAT NO ASBESTOS IS PRESENT. ON BLDG. 29, APPARENT ROOF ~~WORK~~ REMOVAL WORK IN PROGRESS. A GAS-POWERED TOOL, APPEARS TO BE A CUTTING TOOL, IN OPERATION AND OTHER CLEAN-UP IN PROGRESS. NO VISIBLE FALL PROTECTION OR WATER IN USE.

0920 I START SAMPLE IN BLDG 37 AT COL C16. THE POWER AT N.E. AREA OF BLDG IS OFF, INCLUDING DPU'S. NO ACTIVITY IN 1ST FLR CONTAINMENT, AND ~~DEBRIS~~ DEBRIS APPEARS

(MORE)

Client: MDRC Date: 10/16/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

0920 (CONTINUED) TO ALL BE BAGGED. I LOCATE FIDEL, WE DISCUSS STATUS. HE ~~BRAINE~~ IS ATTEMPTING TO GET POWER BACK ON. HE SAYS HE PLANS TO BAG-OUT TODAY. MAN-LIFT IN USE IN N.E. AREA (NOT ~~OF~~ IN CONTAINMENT, BUT MAIN FLOOR AREA), REMOVING NON-ACM APPERTANANCES TO PREPARE FOR FUTURE CONTAINMENT SET-UP. BEAD-BLASTING & REMOVAL OPERATIONS IN PROGRESS ON UPPER FLOORS.

NOTE — NON-ACM DEBRIS BEING MOVED IN AREAS ADJACENT TO AIR SAMPLE AT COL C16; DUST COULD AFFECT SAMPLE READING.

0950 BAG-OUT IN PROGRESS IN N.E. AREA OF BLDG 61. (VFT REMOVAL). HOWEVER, BAG-OUT IS BEING DONE THRU OPEN DOOR INTO CONTAINMENT (ON ~~FALSE~~ S.W. CORNER OF CONTAINMENT) — THERE IS NO BAG-OUT DECON. I TELL TODD (CST), AND HE IS CORRECTING. HE SAYS THEY WILL BE READY FOR CLEARANCE

(MORE)

Client: MDRC Date: 10/16/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

0950 (CONTINUED) IN ≈ 1 HOUR.

1100 N.E. OFFICE AREA OF BLDG 61 READY FOR CLEARANCE, PER TODD & MARICIO (BOTH OF CST). VISUAL OK. ~~EP~~ RDM

1120 I START CLEARANCE SAMPLES BLDG 61, N.E. OFFICE AREA.

1130 POWER ON IN 1ST FLR N.E. AREA OF BLDG 37. I START SAMPLE ADJ COL C6 (NEAR BAG-OUT DECON AREA). CREWS BREAKING FOR LUNCH.

1240 I COLLECT CLEARANCE SAMPLES (BLDG 61).

1330 AT BLDG 61, I INFORM TODD (CST) THAT BLDG 61 N.E. OFFICE AREA IS CLEARED FOR TEAR DOWN. I POINT OUT THAT THE ~~RESULTS, WH~~ RDM SAMPLES WERE FAIRLY DIRTY THOUGH (.007 & .006); SUGGEST HE BE AWARE OF THAT WITH RESPECT TO CONTROLS ON HIS NEXT AREA — WHICH IS THE S.E. OFFICE AREA. SET-UP IN S.E. AREA 80% COMPLETE, PLAN TO REMOVE TOMORROW.

1430 VPT REMOVAL COMPLETE IN SHACK ON E WALL OF BLDG 61, NEAR N END. VISUAL OK.

RDM 1505 COLLECT SAMPLES IN BLDG. 37

1530 I DEPART SITE.

Forensic Analytical

5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDONNELL DOUGLAS REALTY Co. Date : 10/17/96

Location: HARBOR GATEWAY, TORRANCE Technician: RDM

Contractor: CST Signature : _____

Abatement Area(s): BLDGS 37, 61, 29

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
	Cleaning	X	Finals
	Finals		

II. WORK AREA

X Containment _____ Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model ½ FACE & PAPR

Differential Pressure Machines

- # of Machines _____
- Make & Model VARIOUS
- Visual Signs ✓
- Pressure Reading:

Time	Reading

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Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/17/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0700 ARRIVE ON SITE (RDM). DELIVER COPIES OF YESTERDAY'S LOGS TO NAKASCO'S DESK & TO FASI FIELD BOOK.

0820 REMOVAL OF VFT IN PROGRESS, BLDG 61 S.E. OFFICE AREA.

0835 I START SAMPLES IN BLDG 37. BEAD BLAST & CEILING SCRAP IN PROGRESS THERE ON UPPER FLOOR. BAG-OUT OF DEBRIS FROM 1ST FLOOR IS PLANNED FOR TODAY, PER FIDEL (CST).

1000 I COLLECT 1 BULK SAMPLES OF PARAPET SEALANT AND SEALANT TAR FROM ROOF OF BLDG 34. ALSO, I OBSERVE ROOF REMOVAL WORK ON BLDG 29: WORKERS ON E. CANOPY, CLEANING UP. NO WATER OR FALL PROTECTION VISIBLE.

1040 GLOVEBAG TSI REMOVAL IN PROGRESS ON 2ND LEVEL OF BLDG 61. I START AIR SAMPLE BELOW WORK AREA. GLOVEBAG OBSERVATION NOTES: ONLY ONE WORKER AT ANY GIVEN BAG; NO SMOKE TEST OBSERVED; OBSERVED WORKER REMOVE GLOVE BAG UNSEALED, PLACE IN DISPOSAL BAG, THEN WET-WIPE EXPOSED PIPE.

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/17/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1215 STEVE LONG (FASI) ON SITE. STEVE & I WALK ROOF OF BLDG 37. I COLLECT SEALANT TAR SAMPLES FROM N. AREA.

1300 STEVE LONG DEPARTS. BAG-OUT OPERATIONS IN BLDG 37 1ST FLOOR CONCLUDING.

1310 VFT & GLOVE BAG WORK CONTINUES IN BLDG 61. ON BLDG 57, SIDING ("GAL-BESTOS" ACM) HAS BEEN REMOVED FROM S & E WALLS WORKERS IN STREET CLOTHES ~~& RE~~ WITH RESPIRATORS ARE STACKING/MOVING PIECES. WATER & BARICADE TAPE USED.

1340 CST REQUEST VISUAL INSPECTION OF 1ST FLR N.E. CONTAINMENT IN BLDG 37. (ORIGINALLY THEY PLANNED ~~TO~~ TO CONNECT IT TO UPPER FLOOR CONTAINMENTS AND CLEAR AS ONE).

1405 SMALL DETAILING NEEDED IN CONTAINMENT, FIDEL IS CORRECTING, OTHERWISE OK. CST WILL ENCAP, I WILL RUN CLEARANCE SAMPLES TOMORROW.

1500 I COLLECT AIR SAMPLES IN BLDG 37.

1508 I COLLECT AIR SAMPLE IN BLDG 61.

1530 I DEPART SITE

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnel Douglas Realty Co. Date : 10/18/96

Location: HARBOR GATEWAY, TORRANCE Technician: RDM

Contractor: CST Signature : [signature]

Abatement Area(s): BLDGS 29, 37, 61

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
	Cleaning	X	Finals
X	Finals		

II. WORK AREA

X Containment X Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model ½ FACE + PAPR

Differential Pressure Machines

- # of Machines
- Make & Model VARIOUS
- Visual Signs ✓
- Pressure Reading:

Time	Reading

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Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/18/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0700 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK

0805 I BEGIN CLEARANCE AIR SAMPLING IN BLDG 37, 1ST FLOOR, N.E. CORNER.

0830 I START AIR SAMPLE BLDG 37, 1ST FLR, COL C16, (IN DELON ENTRY AREA). WORK ON UPPER FLOORS CONTINUES.

0850 BLDG 57 SIDING ("GAL-BESTOS") REMOVED ALL EXCEPT SMALL AREA ON W. WALL IN S/CENTRAL AREA. ROOF STILL IN PLACE. (ROOF IS ALSO "GAL-BESTOS"). WORKERS ARE STACKING SIDING PIECES FOR POLY WRAPPING. ASBESTOS CAUTION TAPE BARRICADE IN PLACE ON E. SIDE, WHERE PIECES ARE BEING HANDLED. WORKERS WEARING RESPIRATORS, THOUGH NO TYVEKS. AREA & PIECES WETTED.

- IN BLDG 61, GLOVE-BAG PREPPING AND SOME REMOVAL (TSI) IN PROGRESS. WORK PRACTICES SIMILAR TO YESTERDAY: ONLY ONE WORKER AT EACH STATION; NO HEPA-VAC COLLAPSING PRIOR TO REMOVAL OF BAG.

0900 BLDG 29 E ROOF - REMOVAL IN PROGRESS.

(MORE)

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/18/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0900 (CONTINUED) NO VISIBLE USE OF WATER OR FALL PROTECTION.

0930 I COLLECT CLEARANCE AIR SAMPLES IN BLDG 37 1ST FLR N.E. AREA.

1005 SAMPLES ANALYZED – OK (<.002; <.002).

1035 I LOCATE RICKY & FIDEL (CST) & INFORM THEM THE BLDG 37 N.E. 1ST FLR CONTAINMENT IS CLEARED FOR TEAR DOWN.

1050 ~~1050~~ I START AIR SAMPLE BLDG 61, WHERE GLOVEBAG WORK CONTINUES. VFT REMOVAL IN S.E. OFFICE AREA 80% COMPLETE.

1245 FIDEL (CST) TELLS ME BLDG 61 VFT CONTAINMENT WILL BE READY FOR PRE-CLEARANCE VISUAL INSPECTION IN ≈15 MINUTES. HE SAYS CLEARANCE AIR SAMPLING ON MONDAY 10/21 WILL BE OK.

1310 VISUAL IN BLDG 61 (VFT) RESULT: SOME MINOR DETAILING NEEDED, CREW CORRECTS, THEN READY TO ENCAP. CLEARANCE AIR SAMPLING WILL BE CONDUCTED MONDAY 10/21/96.

1330 SET-UP IN PROGRESS IN BLDG 37 N. AREA. POLY BEING PLACED AT CEILING LEVEL IN MAIN ~~ARE~~ N. AREA ALONG COL D LINE,

(MORE)

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/18/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1330 (CONTINUED) STARTING AT ABOUT THE "17" E/W COL LINE AND PROCEEDING N. ALONG COL D LINE.

1350 AT BLDG 57 AREA, OBSERVED MARTY (DEMO) DRIVE HEAVY EQUIPMENT THRU ASBESTOS BARRICADE TAPE ON E. SIDE OF BLDG 57 AND PROCEED THROUGH THE "GAL-BESTOS" DEBRIS ~~STORAGE~~ STAGING AREA LOCATED THERE (BETWEEN BLDGS 57 & 61) IN ORDER TO HAVE ACCESS TO N.E. PORTION OF REMAINING PORTION BLDG 67, WHERE HE & OTHER OPERATOR ARE CONTINUING DEMO WORK, MOVING DEBRIS, ETC.

1440 I COLLECT AIR SAMPLES IN BLDGS 37 & 61.

1500 I DEPART SITE.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date: 10/21/96

Location: Harbor Gateway, Torrance Technician: RDM

Contractor: CST Signature: [illegible]

Abatement Area(s): Bldg 37, 61

I. JOB SCOPE

X Air Sampling
- ___ Set-Up
- X Removal
- ___ Cleaning
- X Finals

X Inspection
- ___ Set-Up
- ___ Removal
- X Finals

II. WORK AREA

X Containment ___ Glove-bagging

- Perimeter Sealed: X
- Area HVAC Off: X
- Shower and Decon Installed: X
- Shower Water Filtered: X
- Respirator (Make & Model: ½ FACE & PAPR

Differential Pressure Machines

- # of Machines: ___
- Make & Model: VARIOUS
- Visual Signs: ✓
- Pressure Reading:

Time	Reading

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Los Angeles Office: 19443 Laurel Park Road, Suite 101, Rancho Dominguez, California 90220 • Telephone: 310/763-2374 Fax: 310/763-8684

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/21/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0700 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0725 PROCEED TO BLDG 61 TO START CLEARANCE AIR SAMPLES IN S. PORTION OF E. OFFICE AREA. NO POWER AVAILABLE IN CONTAINMENT.

0740 I START AIR SAMPLE IN BLDG 37. REMOVAL WORK IN PROGRESS ON UPPER FLOORS, AND SET-UP IN PROGRESS AT CEILING LEVEL OF N.E. AREA OF MAIN SPACE. I TELL FIDEL (CST) ABOUT POWER NEED FOR BLDG 61 CLEARANCE. HE WILL INVESTIGATE.

0750 AT BLDG 61, I ATTEMPT TO START AREA SAMPLE IN MAIN AREA (GLOVE BAG WORK TO BEGIN ON MEZZANINE), BUT DISCOVER THAT THE AIR PUMP I HAD THERE IS MISSING. THE TUBING STAND IS STILL THERE.

0805 I TELL RICKY (CST) ABOUT MISSING PUMP. SEALANT TAR REMOVAL BEGINNING ON BLDG 61 ROOF.

0840 STEVE LONG (FASI) ON SITE.

0900 STEVE & I RETURN TO BLDG 18 OFFICE

(MORE)

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/21/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0900 (CONTINUED) FOR WEEKLY MEETING.

1115 AFTER MEETING, I PREPARE POWER ACCESS FOR CLEARANCE SAMPLES IN BLDG 61, E OFFICE AREA, S PORTION.

1125 I START AIR CLEARANCE SAMPLES IN BLDG 61.

1150 FIDEL (CST) REQUESTS VISUAL INSPECTION OF BLDG 61, FOLLOWING CST'S REMOVAL WORK THIS MORNING. RESULTS: SEALANT TARS STILL IN PLACE ON CANOPY (EAST OFFICE AREA) AND MAIN ROOF. FIDEL WILL HAVE CREW CONTINUE WORK. (RDM)

1245 I COLLECT AIR CLEARANCE SAMPLES IN BLDG 61 E. OFFICE, S PORTION.

1305 FIRE LANE IS BLOCKED NEAR BLDG 67 AREA W/ LARGE DEMO DEBRIS. AFTER WAITING, ~~IT~~ (RDM) I DECIDE IT WILL BE FASTER TO WALK TO BLDG 18 OFFICE TO ANALYZE CLEARANCE SAMPLES.

1345 SAMPLES ANALYZED — OK (THOUGH DIRTY WITH PARTICULATE): .006 & .008.

1400 I LOCATE FIDEL (CST) AND TELL HIM BLDG 61 E OFFICE CONTAINMENT IS CLEARED FOR TEAR DOWN.

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/21/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1500 ~~S.~~ RDN S. HALF OF BLDG 57 LOWER TO GROUND WITH "GALBESTOS" ROOF REASONABLY INTACT.

1510 I COLLECT AIR SAMPLE IN BLDG 37 - BUT POWER HAS BEEN SHUT OFF TO PUMP - I VOID SAMPLE.

1535 I DEPART SITE.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDONNELL DOUGLAS REALTY Co Date : 10/22/96

Location: HARBOR GATEWAY, TORRANCE Technician: RDM

Contractor: CST Signature : [signature]

Abatement Area(s): _____

I. JOB SCOPE

X	Air Sampling	X	Inspection
X	Set-Up		Set-Up
X	Removal		Removal
	Cleaning	X	Finals
	Finals		

II. WORK AREA

X Containment X Glove-bagging

- Perimeter Sealed: X
- Area HVAC Off: X
- Shower and Decon Installed: X
- Shower Water Filtered: X
- Respirator (Make & Model: ½ FACE + PAPR

Differential Pressure Machines

- # of Machines: _____
- Make & Model: VARIOUS
- Visual Signs: ✓
- Pressure Reading:

Time	Reading

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Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/22/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0700 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FABI FIELD BOOK.

0830 RICKY RICKARD (CST) REQUEST ANOTHER FINAL VISUAL INSPECTION OF ROOF OF BLDG 61. FIDEL (CST) WILL ACCOMPANY ME LATER.

0845 SET-UP IN PROGRESS IN BLDG 37, 1ST FLOOR N.E. AREA OF MAIN AREA. CST IS USING, AS PREVIOUS DAYS, A "SNORKELIFT" TO ACCESS ROOF LEVEL PORTION OF POLY INSTALLATION. POLY IS BEING HUNG ALONG "D" COL LINE (N/S) FROM D18 TO N. WALL. CEILING LEVEL APPEARS COMPLETE; CREW IS NOW CONNECTING POLY FROM COMPLETED UPPER LEVEL TO FLOOR. POWER IS OFF IN MOST OF BLDG 37, INCLUDING THE OUTLETS AROUND THE DECON & SET-UP AREA. FIDEL RUNS CORD DOWN FROM 2ND FLOOR; I START SAMPLE IN FIRST FLOOR, ADJ DECON ENTRY. NOTE - HIGH TRAFFIC IN AREA MAY AFFECT SAMPLE.

0900 - FIDEL (CST) & I WALK BLDG 61 FOR FINAL

(MORE)

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/22/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0900 (CONTINUED) VISUAL INSPECTION. RESULT: SEALANT TAR NOTED IN THREE AREAS - FIDEL HAS WORKER START REMOVING.

0935 GLOVEBAG OPERATIONS IN PROGRESS BLDG 61. SIMILAR WORK PRACTICES AS PREVIOUS DAYS: ONLY ONE WORKER PER STATION; NO SMOKE TEST TUBES OR HEPA VACS APPARENT.

1230 SET-UP CONTINUES IN N.E. PORTION OF MAIN AREA OF BLDG 37. FLOOR ~~TO~~ TO CEILING POLY NOW ALONG ≈ 40% OF "D" WL LINE FROM D18 TO N. WALL.

1330 I POINT OUT TO RICKY & FIDEL (CST) SMALL PIECES OF DEBRIS ON FLOOR IN N.E. CORNER AREA OF BLDG 37, APPARENTLY FALLEN FROM REMAINING FIREPROOFING ON CEILING AT BORDER OF PREVIOUSLY CONTAINED AREA. CST IMMEDIATELY BEGINS CLEANING UP. TOTAL AMOUNT < 2 ft²

1350 "GALBESTOS" METAL ROOFING BEING REMOVED VIA HEAVY EQUIPMENT FROM LOWERED/DEMO'ED S. HALF OF BLDG 57. WATER & RESPIRATORS IN USE. WORKERS ARE STACKING PIECES AS

(MORE)

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/22/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1350 (CONTINUED) THEY ARE REMOVED FROM STRUCTURAL COMPONENTS.

1530 I DEPART SITE.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDONNELL DOUGLAS REALTY Co. Date : 10/23/96

Location: HARBOR GATEWAY, TORRANCE Technician: RDM

Contractor: CST Signature :

Abatement Area(s): BLDGS 29, 37, 61

I. JOB SCOPE

X	Air Sampling	X	Inspection
X	Set-Up		Set-Up
X	Removal		Removal
	Cleaning	X	Finals
	Finals		

II. WORK AREA

X Containment X Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model X
  ½ FACE & PAPR

Differential Pressure Machines

- # of Machines
- Make & Model VARIOUS
- Visual Signs ✓
- Pressure Reading:

Time	Reading

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Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/23/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0700 ARRIVE ON SITE. DELIVER COPY OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0740 REMOVAL & CLEANING CONTINUE ON UPPER FLOORS OF N.E. AREA OF BLDG 37. SET-UP CONTINUES IN N.E. PORTION OF MAIN AREA. SEALANT TAR REMOVAL IN PROGRESS ON N. ROOF AREA.

0800 IN BLDG 61, GLOVEBAG OPERATIONS IN PROGRESS.

0915 CST & DEMO OPERATOR PREPARING TO REMOVE "GALBESTOS" SIDING FROM LOWER $\frac{3}{4}$ OF S. WALL OF BLDG 37 TO PROVIDE DAYLIGHT FOR WORK INSIDE. CST HAS POLY TO PUT DOWN & IS ATTEMPTING TO ACCESS WATER SOURCE TO WET SIDING FOR REMOVAL.

0925 ROOF REMOVAL OPERATIONS IN PROGRESS AT N. END OF BLDG 29 E. CANOPY. NO WATER OR FALL PROTECTION APPARENT. AT BLDG 57, WORKERS ~~WRAP~~ RUN STACKING & WRAPPING "GALBESTOS" SIDING PIECES PREVIOUSLY REMOVED FROM S HALF ROOF ("LOWERED" TO GROUND). S HALF OF BLDG 57 IS DEMOED; N HALF STRUCTURE & ROOF INTACT, SIDING REMOVED.

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/23/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1130 CST BREAKS FOR LUNCH.

1230 CST RESUMES WORK.

1300 CST REQUESTS FINAL VISUAL OF BLDG 37 - 2ND & 3RD FLOORS & NE STAIRWELL (4TH TO 1ST FLOOR LEVELS) AS ONE CONTAINMENT. FIDEL & I WALK AREAS.

1340 RESULTS OF VISUAL INSPECTION: MINOR DETAILING, MOSTLY SCATTERED SMALL PIECES OF DEBRIS ON FLOOR IN CORNERS, ETC. FIDEL HAS WORKERS CLEAN-UP IMMEDIATELY, THEN READY TO ENCAP. I WILL RUN CLEARANCE AIR SAMPLES TOMORROW.

1420 SIDING REMOVAL CONTINUES ON S. WALL (EXTERIOR) OF BLDG 37. WATER, POLY, & RESPIRATORS IN USE.

1505 I COLLECT AIR SAMPLE IN BLDG 37. CREW IS CLEANING UP FOR THE DAY

1530 I DEPART SITE

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date : 10/24/96

Location: Harbor Gateway, Torrance Technician: RDM

Contractor: CST Signature :

Abatement Area(s): Bldgs 37, 61

I. JOB SCOPE

X Air Sampling	X Inspection
___ Set-Up	___ Set-Up
___ Removal	X Removal
___ Cleaning	___ Finals
X Finals	

II. WORK AREA

X Containment X Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model ½ FACE + PAPR

Differential Pressure Machines

- # of Machines
- Make & Model VARIOUS
- Visual Signs ✓
- Pressure Reading:

Time	Reading

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Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/24/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0730 ARRIVE ON SITE. DELIVER COPY OF (RDW) YESTERDAY'S LOGS TO MARASCO'S DESK & TO PAST FIELD BOOK.

0800 ROOF WORK IN PROGRESS BLDG 37. A SINGLE ROPE HAS BEEN INSTALLED AROUND ROOF PERIMETER AT S. END OF BLDG, LOOPED AROUND NEWLY ATTACHED POSTED, APPARENTLY AS A GUARD RAIL. A PORTION OF THE E. WALL, AT S. CORNER, HAS HAD SIDING REMOVED. WINDOWS STILL IN PLACE.

0815 I PREPARE TO RUN CLEARANCE SAMPLES IN 2ND & 3RD FLOORS & CONNECTING N. STAIRWELL (ALL ONE CONTAINMENT).

0850 AFTER SEVERAL POWER PROBLEMS, CLEARANCE AIR SAMPLES STARTED.

0920 "GAL BESTOS" SIDING BEING REMOVED ON W. WALL AT S. CORNER OF BLDG 37. WATER, POLY, & RESPIRATORS IN USE.

1035 I COLLECT AIR CLEARANCE SAMPLES IN BLDG 37. GLOVEBAG OPERATIONS IN PROGRESS BLDG 61

1150 RESULTS OF CLEARANCE SAMPLES: ALL BELOW .1 f/cc (PEL), SO OK PER S. LONG.

1235 I LOCATE RICKY AT BLDG 37 AND TELL

(CONTINUED)

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/24/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1235 (CONTINUED) HIM THAT 2ND & 3RD CONTAINMENT OK FOR TEAR DOWN (INCLUDES N. STAIRWELL CONNECTING THE 2 FLOORS). AIR SAMPLE STARTED ON 1ST FLOOR.

1350 I BEGIN COLLECTING ROOF MATERIALS, PER S. LONG, FROM BLDGS 29, 34 & 37. ROOF REMOVAL IN PROGRESS, S. BAY OF BLDG 37.

1440 "GALBESTOS" REMOVAL FROM W. WALL OF BLDG 37 (S. CORNER AREA) IS IN CLEAN-UP STAGE.

1510 ROOF SAMPLING COMPLETED, I COLLECT AIR SAMPLE IN BLDG 37. CREW IS CLEANING UP FOR THE DAY.

1600 I DEPART SITE.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date : 10/25/96

Location: Harbor Gateway, Torrance Technician: RDM

Contractor: CST Signature :

Abatement Area(s): Bldgs 37, 29

I. JOB SCOPE

x	Air Sampling	x	Inspection
x	Set-Up		Set-Up
	Removal	x	Removal
	Cleaning	x	Finals
	Finals		

II. WORK AREA

x Containment _____ Glove-bagging

- Perimeter Sealed x
- Area HVAC Off x
- Shower and Decon Installed x
- Shower Water Filtered x
- Respirator (Make & Model ½ FACE & PAPR

Differential Pressure Machines

- # of Machines _____
- Make & Model VARIOUS
- Visual Signs _____
- Pressure Reading:

Time	Reading

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Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/25/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0700 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0955 "GALBESTOS" SIDING REMOVAL IN PROGRESS ON CENTRAL AREA OF W. WALL BLDG 37. WATER, POLY & RESPIRATORS IN USE. WINDOWS BEING TORCH CUT & REMOVED FROM S. WALL. I START SAMPLE IN BLDG 37, 1st FLOOR. SET-UP IN PROGRESS IN N.E. MAIN AREA. NOTE - TRAFFIC IN AREA COULD AFFECT SAMPLE.

1030 FIDEL (CST) & I WALK ROOF OF BLDG 61, ALL FAN UNITS STILL HAVE ACM VIBRATION JOINT CLOTH. FIDEL RADIOES RICKY, RICKY SAYS TO REMOVE IT ALL.

1200 CLEAN-UP IN PROGRESS, W SIDE OF BLDG 37 FOLLOWING REMOVAL OF SIDING. AREA BEING KEPT WET FOR CLEAN-UP.

1215 CST & IS UNCERTAIN WHETHER ANY ACM WINDOW PUTTY EXISTS IN WINDOW FRAMES ON BLDG 61 E. OFFICE AREA. I CONFIRM WITH FIDEL, WHO TELLS RICKY VIA RADIO, THAT 3 SAMPLES WERE COLLECTED AND

(MORE)

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/25/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1215 (CONTINUED) ALL 3 WERE POSITIVE.

1230 CST PLANS TO HAVE TWO WORKERS REMOVE THE VIBRATION JOINT CLOTH FROM FAN UNITS ON ROOF OF BLDG 61. TOMORROW (SATURDAY 10/26), I LOCATE MARASCO, & VERIFY HE IS AWARE. HE SAYS IT IS NOT NECESSARY FOR FASI TO BE HERE SATURDAY.

1320 SET-UP IN PROGRESS, BLDG 37, ALONG "C" COLUMN LINE – ≈ C18 TO C12. ROOF REMOVAL IN PROGRESS BLDGS 37 & 29 (E. SIDE). WINDOW REMOVAL ON S WALL OF BLDG 37 IS ≈ 50% COMPLETE.

1500 BLDG 37 ROOF BEING CLEANED UP FOR THE DAY. SET-UP INSIDE FINISHING FOR THE DAY. I COLLECT SAMPLE. WINDOW REMOVAL ON S. WALL ≈ 75% COMPLETE & OPERATION STOPPED FOR THE DAY.

1530 I DEPART SITE.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDONNELL DOUGLAS REALTY CO. Date : 10/28/96

Location: HARBOR GATEWAY, TORRANCE Technician: RDM

Contractor: CST Signature :

Abatement Area(s): BLDGS 37, 29

I. JOB SCOPE

x	Air Sampling	x	Inspection
x	Set-Up		Set-Up
x	Removal	x	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

x Containment _____ Glove-bagging

- Perimeter Sealed x
- Area HVAC Off x
- Shower and Decon Installed x
- Shower Water Filtered x
- Respirator (Make & Model ½ FACE & PAPR

Differential Pressure Machines

- # of Machines
- Make & Model VARIOUS
- Visual Signs
- Pressure Reading:

Time	Reading

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/28/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0650 CST PREPARING TO CONTINUE WINDOW REMOVAL ON S. W. OF BLDG 37. SET-UP IN PROGRESS IN N.E. MAIN AREA. REMOVAL WORK IN PROGRESS ON 4th FLOOR (FIREPROOFING.) ROOF REMOVAL TO START SOON.

0715 I START SAMPLE IN BLDG 37.

0730 A DUMPSTER INSIDE BLDG 37 (S. AREA) IS BEING ~~USED~~ FILLED VIA CHUTE THROUGH ROOF BY CREW CONDUCTING ROOF REMOVAL. CHUTE DOES NOT GO ALL THE WAY INTO DUMPSTER, AND DUST IS BEING CREATED. FIDEL & I BOTH WITNESS DUST. AT MY SUGGESTION, FIDEL RADIOES ROOF CREW TO STOP USING CHUTE UNTIL IT IS CORRECTED, AND TO CLEAN UP DEBRIS AROUND CHUTE; ALSO, TO USE MORE WATER.

0800 DPU EXHAUSTS FROM 4th FLOOR BLDG 37 ARE VISIBLE AT WINDOW ON 4th FLOOR E WALL, THRU WHICH THEY ARE EXHAUSTING. ONLY ONE OF SIX EXHAUST OUTLETS APPEARS TO HAVE AIR MOVEMENT. I ASK FIDEL TO VERIFY DPU'S ARE RUNNING. HE WILL CHECK.

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/28/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0900 WEEKLY PROGRESS MEETING.

1115 S. LONG & PATRICK HUSSEY OF CST SEE ACM PIPE INSULATION IN BLDG 34. THE INSULATION IS OBSERVED FROM THE ROOF THROUGH A HOLE IN CEILING. PATRICK HUSSEY SPRAY PAINTS THE PIPING TO HELP IDENTIFY IT.

1245 I CHECK BLDG 61 FOR ANY REMAINING TSI OR OVEN GASKETS. BOTH OBSERVED.

1400 I COLLECT AIR SAMPLE IN BLDG 37.

1430 I DEPART SITE.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDONNELL DOUGLAS REALTY Co. Date : 10/29/96

Location: HARBOR GATEWAY, TORRANCE Technician: RDM

Contractor: CST Signature : [signature]

Abatement Area(s): BLDGS 29, 37

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

X Containment _____ Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model ½ FACE + PAPR

Differential Pressure Machines

- # of Machines _____
- Make & Model VARIOUS
- Visual Signs ✓
- Pressure Reading:

Time	Reading

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/29/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK # TO FASI FIELD BOOK.

0715 WINDOW REMOVAL BEGINNING ON W. WALL OF BLDG 37, NEAR S. CORNER — TORCH WORK IN PROGRESS.

ROOF REMOVAL IN PROGRESS, BLDG 29.

0735 BEAD BLAST IN PROGRESS ON 4th FLOOR BLDG 37. REMOVAL HAS BEGUN IN N.E. MAIN AREA OF BLDG 37. ~~SIX~~ TWELVE 2000 CFM DPU'S RUNNING ON E CONTAINMENT WALL (BETWEEN C16 AND C17). DELON ALSO ON E. WALL OF CONTAINMENT BETWEEN COLS C13 & C14.

0750 RICKY (CST) TELLS ME THERE WAS A FIRE LAST NIGHT IN BLDG 61, IN E. OFFICE AREA. HE SAID FIRE WAS APPARENTLY SPOTTED BY HELICOPTER. HE WAS CALLED TO SITE AT ≈03:00 HRS. FIRE WAS CONFINED TO CENTRAL PORTION OF SOUTH HALF OF E. OFFICE AREA. RICKY SAID APPARENT CAUSE WAS FROM SMOLDERING MATERIAL LEFT BY TORCH WORK BY DEMO CREW. DOUGLAS IS AWARE OF FIRE.

0820 WINDOW REMOVAL WORK HAS STOPPED, W. WALL OF BLDG 37 (S. END). ROOF REMOVAL IN PROGRESS.

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/29/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0900 POLY HAS SEPARATED FROM COLUMN AT S.W. CORNER OF CONTAINMENT IN N.E. MAIN AREA OF BLDG 37. I TELL FIDEL, WHO IMMEDIATELY HAS CREW BEGIN CORRECTING.
WINDOW REMOVAL/TORCHING RESUMED ON W. WALL, S. END.

0940 FIDEL (CST) & I WALK BLDG 61, NOTING REMAINING TSI & OVEN GASKETS AS I OBSERVED DURING MY VISUAL INSPECTION YESTERDAY 10/28/96.

1050 SMALL BREACH IN CONTAINMENT OF N.E. MAIN AREA BLDG 37 IN E. ~~W.~~ CONTAINMENT WALL AT N. CORNER (COL C1). I INFORM FIDEL & IT IS REPAIRED IMMEDIATELY.

1105 AT BLDG 29, I EMPHASIZE TO FIDEL THAT ADEQUATE WETTING MUST BE MAINTAINED AT ALL TIMES ON ROOF.

1345 I DISCUSS POTENTIAL DUST ISSUE (BLDG 29 ROOF) W/RICKY (CST). HE HAS ALREADY STOPPED USE OF POWER CUTTING EQUIPMENT & TOLD CREW TO USE ONLY HAND TOOLS & PLENTY OF WATER.

1410 I COLLECT AIR SAMPLES FROM BLDG 37.

1430 I DEPART SITE.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDONNELL DOUGLAS REALTY CO. Date : 10/30/96

Location: HARBOR GATEWAY, TORRANCE Technician: RDM

Contractor: CST Signature : [illegible]

Abatement Area(s): BLDG 37

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

X Containment _____ Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model PAPR

Differential Pressure Machines

- # of Machines _____
- Make & Model VARIOUS
- Visual Signs ✓
- Pressure Reading:

Time	Reading

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/30/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0700 DUE TO RAIN LAST NIGHT & TODAY, MUD SUBSEQUENT FLOODING IN MANY AREAS ON SITE, CST'S OPERATIONS ARE CONFINED TO BLDG 37 (FIREPROOFING REMOVAL ON 1ST FLR N.E. MAIN AREA, AND BEAD-BLASTING FLOOR ON 4th FLR). I START SAMPLE IN BLDG 37, ON E. WALL N. END OF CONTAINMENT (OUTSIDE) — POWER ON S. END AREA IS INCONSISTENT. CST ATTEMPTING TO CORRECT. THE 6 DPU'S ON N. END AREA APPEAR TO BE PROVIDING ADEQUATE NEGATIVE PRESSURE.

0820 RICKY (CST) STILL ATTEMPTING TO HAVE POWER SITUATION RESOLVED.

1030 REMOVAL CONTINUES IN BLDG 37.

1210 POWER ON AGAIN IN S.E. NON-CONTAINMENT AREA (COL C18 TO C12), AND DPU'S THERE ARE ON. I START AIR SAMPLE COL C13.

1340 CST ~~SEA~~ SEALING SMALL BREACHES IN BLDG 37 N.E. MAIN AREA CONTAINMENT.

1405 I COLLECT AIR SAMPLES. CREW CLEANING UP.

1430 I DEPART SITE.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date: 10/31/96

Location: Harbor Gateway, Torrance Technician: RDM

Contractor: CST Signature: [signature]

Abatement Area(s): Bldgs 29, 37

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
	Cleaning	X	Finals
	Finals		

II. WORK AREA

X Containment ____ Glove-bagging

- Perimeter Sealed: X
- Area HVAC Off: X
- Shower and Decon Installed: X
- Shower Water Filtered: X
- Respirator (Make & Model: ½ FACE & PAPR

Differential Pressure Machines

- # of Machines: ____
- Make & Model: VARIOUS
- Visual Signs: X
- Pressure Reading:

Time	Reading

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545 • Telephone: 510/887-8828 800/827-FASI Fax: 510/887-4218
Los Angeles Office: 19443 Laurel Park Road, Suite 101, Rancho Dominguez, California 90220 • Telephone: 310/763-2174 Fax: 310/763-8611

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/31/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0700 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK + TO FASI FIELD BOOK.

0720 WEATHER - NOT RAINING CURRENTLY, BUT FLOODING STILL PREVALANT ON SITE. ROOF REMOVAL IN PROGRESS BLDG 29 FIREPROOFING REMOVAL IN PROGRESS IN N.E. MAIN AREA BLDG 37; REMOVAL/CLEAN-UP ON 4th FLOOR BLDG 37; ROOF REMOVAL STARTING BLDG 37.

0730 I START AIR SAMPLES ADJ FIREPROOFING REMOVAL BLDG 37. I SUGGEST TO FIDEL (CST) THAT HE CORRECT SMALL OPENINGS IN CONTAINMENT IN THE COL C1 - C7 AREA. HE IMMEDIATELY HAS WORKER START REPAIRING.

0815 I DEPART SITE TO DROP OFF PREVIOUS SAMPLES AT FASI LAB.

0905 I RETURN TO SITE.

1020 PER MY SUGGESTION TO RICKY, HE HAS CREW STOP WORK ON BLDG 29 ROOF UNTIL CRITICAL BARRIERS ARE MAINTAINED ON ROOF VENTS.

1115 I CHANGE AIR (RDM) SAMPLES IN BLDG 37.

1130 SCAQMD ON SITE WITH DOUGLAS ESCORTS.

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 10/31/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1210 MARIO STAVALE (DOUGLAS) TELLS ME SCAQMD PERSONNEL WERE HERE (NOW OFF-SITE) ON "BUSINESS VISIT", NOT FOR INSPECTIONS OR ASBESTOS-RELATED CONCERNS.

1340 CST REQUESTS POST-ABATEMENT VISUAL INSPECTION OF 4th FLOOR OF BLDG 37

1410 VISUAL INSPECTION RESULT: NUMEROUS AREAS REQUIRE DETAILING/CLEANING. WE WILL SCHEDULE ANOTHER VISUAL TOMORROW AFTER DETAILING/CLEANING COMPLETED. I COLLECT AIR SAMPLES.

1430 I DEPART SITE.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDONNELL DOUGLAS REALTY Co. Date : 11/01/96

Location: HARBOR GATEWAY, TORRANCE Technician: RDM

Contractor: CST Signature :

Abatement Area(s): BLDG 37

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
	Cleaning	X	Finals
	Finals		

II. WORK AREA

X Containment _____ Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model ½ FACE & PAPR

Differential Pressure Machines

- # of Machines
- Make & Model VARIOUS
- Visual Signs X
- Pressure Reading:

Time	Reading

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Los Angeles Office: 19443 Laurel Park Road, Suite 101, Rancho Dominguez, California 90220 • Telephone: 310/763-2374 Fax: 310/763-8641

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/01/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MAKASCO'S DESK & TO FASI FIELD BOOK

0710 I START AIR SAMPLES IN BLDG 37. FIREPROOFING REMOVAL IN PROGRESS IN N.E. MAIN AREA. ROOF CLEAN-UP IN PROGRESS. IN N.E. CORNER AREA, WHICH IS NOT IN CONTAINMENT AND IS BEING USED AS STAGING AREA FOR WASTE BAGS, I OBSERVE SEVERAL UNSEALED OR TORN BAGS. I ALERT RICKY TO SITUATION & HE HAS WORKERS CORRECT.

0820 WINDOW REMOVAL (TORCH CUT, INTACT LOWERING) IN PROGRESS ON W. WALL OF BLDG 37.

0915 FIDEL REQUESTS FINAL VISUAL RE-INSPECTION OF 4th FLOOR OF BLDG 37. MINOR DETAILING NEEDED IN A FEW SPOTS, BUT CORRECTED IMMEDIATELY. HOWEVER, 4th FLOOR CONTAINMENT INCLUDES ~~N.~~ S. STAIRWELL, AND UPON OUR DESCENT WORKERS WERE CONDUCTING REMOVAL WORK INSIDE WALL SPACE AT GROUND FLOOR LEVEL. I TELL FIDEL CONTAINMENT CANNOT BE CLEARED, OBVIOUSLY, UNTIL ALL WORK IS COMPLETED IN AREA.

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/01/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1130 CREW TAKES LUNCH BREAK.

1220 WORK RESUMED. I CHANGE ~~FILTERS~~ SAMPLES IN BLDG 37.

1315 FIDEL TELLS ME REMOVAL WORK IN GROUND FLOOR PORTION (INSIDE WALL) OF 4th FLOOR/STAIRWELL CONTAINMENT IS FINISHED. RICKY (CST) AGREES ITS OK TO WAIT UNTIL MONDAY 11/04/96 FOR FINAL CLEARANCE.

1410 I COLLECT AIR SAMPLES IN BLDG 37.

1430 I DEPART SITE.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDONNELL DOUGLAS REALTY CO. Date : 11/04/96

Location: HARBOR GATEWAY, TORRANCE Technician: RDM

Contractor: CST Signature :

Abatement Area(s): BLDG 37, 29 (ROOF)

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
	Cleaning	X	Finals
X	Finals		

II. WORK AREA

X Containment _____ Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model ½ FACE & PAPR

Differential Pressure Machines

- # of Machines _____
- Make & Model VARIOUS
- Visual Signs X
- Pressure Reading:

Time	Reading

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/04/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARISCO'S DESK & FASI FIELD BOOK

0710 REMOVAL IN PROGRESS (FIREPROOFING) IN N.E. MAIN AREA CONTAINMENT IN BLDG 37. I START AIR SAMPLES. FIDEL (CST) REQUESTS FINAL RE-INSPECTION OF AREA INSIDE WALL CAVITY ON 1ST FLR ADJ S.E. STAIRWELL. THIS AREA, ~~AND~~ RDM S.E. STAIRWELL AND 4th FLOOR ARE ONE CONTAINMENT. 4th FLOOR ITSELF WAS INSPECTED FRIDAY 11/01/96, BUT AREA INSIDE WALL CAVITY NEEDED ADDITIONAL WORK. RESULT OF VISUAL INSPECTION: FLOOR OF WALL CAVITY AREA IS FULL OF STUCCO AND CONCRETE DEBRIS (S.W. AREA OF WALL CAVITY ONLY, WHICH IS ≈ 10' × 3'); I SEE A FEW SCATTERED BITS OF FIREPROOFING MIXED IN THE STUCCO & CONCRETE DEBRIS. BECAUSE IT IS DIFFICULT TO DISCERNE ACM FROM NON-ACM, I SUGGEST THEY SCRAP OUT LOOSE MATERIAL & ENCAP AREA AGAIN. THEY DO SO.

0820 I START CLEARANCE AIR SAMPLES: 2 ON 4th FLOOR & 1 IN S.E. STAIRWELL BETWEEN

(MORE)

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/04/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0820 (CONTINUED) 1ST & 2ND FLOORS.

NOTE - STEVE LONG AT BLDG 37 ≈ 0810.

0900 MEETING SCHEDULED - STEVE LONG TO ATTEND; I REMAIN IN FIELD TO FINISH CLEARANCE IN BLDG 37.

1000 I COLLECT CLEARANCE SAMPLES.

1050 SAMPLES ANALYZED - ALL BELOW .1 f/cc PEL. STEVE LONG TELLS ME THAT HE DISCUSSED WITH FIDEL (CS+) SOME CLEAN-UP DETAILS NEEDED ON 2ND & 3RD FLOORS OF BLDG 37, MOSTLY DEBRIS FROM ADJ CONTAINMENT (N.E. MAIN AREA) LEAKING THRU AT BARRIER SEAMS. ALSO DEBRIS NEAR ELECTRICAL PANEL ON 2ND FLOOR WALL.

1130 CREW TAKES LUNCH BREAK.

1225 WORK RESUMES. I INFORM FIDEL THAT BLDG 37 4TH FLOOR/S.E. STAIRWELL CONTAINMENT IS CLEARED FOR TEAR DOWN (BELOW PEL).

1330 I ADVISE FIDEL THAT ALL ROOF WORK ON BLDG 29 MUST BE CONDUCTED WITH ADEQUATE WETTING & DUST MUST BE AVOIDED AT ALL TIMES. WORK IN PROGRESS THERE.

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/04/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1410 WORKERS CLEANING UP FOR THE DAY.
I COLLECT AIR SAMPLES FROM BLDG 37.
1430 I DEPART SITE.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDONNELL DOUGLAS REALTY CO. Date : 11/05/96

Location: HARBOR GATEWAY, TORRANCE Technician: RDM

Contractor: CST Signature :

Abatement Area(s): BLDGS 37, 29

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

X Containment _____ Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model ½ FACE & PAPR

Differential Pressure Machines

- # of Machines _____
- Make & Model VARIOUS
- Visual Signs X
- Pressure Reading:

Time	Reading

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Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/05/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0740 RICKY (CST) & I OBSERVE ROOF WORK BEING CONDUCTED ON UPPER S. END OF BLDG 29. SMALL AMOUNT OF DUST IS BEING GENERATED. RICKY CALLS WORKS & HALTS WORK, TELLING THEM TO USE MORE WATER & KEEP AREA WET IN ORDER TO PREVENT DUST; CHUTE ON E. SIDE TO BE COVERED.

0800 I START AIR SAMPLES IN BLDG 37, WHERE FIREPROOFING REMOVAL IN N.E. MAIN AREA IS IN PROGRESS. "GALBESTOS" SIDING BEING STACKED AT AREA ADJ E. WALL BY S. END OF BLDG 37.

0910 AIR SAMPLE AT COL C4 IN BLDG 37 ACCIDENTALLY DESTROYED WHEN STAND IS KNOCKED OVER. SAMPLE LANDED IN WET AREA OF FLOOR & FILTER GOT WET. I REPLACE WITH NEW CASSETTE.

1025 BLDG 29 — CHUTE ON E. SIDE, WHICH IS ACTUALLY A SLIDE, IS STILL UNCOVERED. IT IS NOT, HOWEVER, BEING USED. CREW IS CURRENTLY USING CHUTE ("REAL" CYLINDRICAL CHUTE) ON N. END.

1045 BLDG 37 — *FINAL WINDOW BEING REMOVED

(MORE)

* CORRECTION - NOT THE FINAL WINDOW, MORE REMAINING NEAR CENTER OF S. PORTION OF W. WALL

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/05/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1045 (CONTINUED) FROM W. WALL, AT JUNCTURE OF N. & S. PORTIONS OF BLDG. REMOVED WINDOWS ARE NEATLY LEANED AGAINST W. WALL AT GROUND LEVEL, BUT NOT YET WRAPPED AND LABELED. ALSO, SOME UNWRAPPED/UNLABELED "GALBESTOS" SIDING REMAINING AT E. WALL OF BLDG 61 (BETWEEN BLDGS 61 & 34).

1130 CREW BREAKS FOR LUNCH

1215 WORK RESUMING.

1320 CLEAN-UP IN PROGRESS ADJ E. WALL OF BLDG 37, S. END, FOLLOWING "GALBESTOS" SIDING STACKING & WRAPPING. WATER BEING USED.

1400 CREWS STARTING TO CLEAN UP FOR THE DAY. I COLLECT AIR SAMPLES IN BLDG 37.

1430 I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/06/96

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature : _____

Abatement Area(s): BLDGS 29, 37

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
X	Cleaning		Finals
	Finals		

II. WORK AREA

X	Containment		Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model) ½ FACE & PAPR

Differential Pressure Machines

- # of Machines _____
- Make & Model VARIOUS
- Visual Signs X
- Pressure Reading:

Time	Reading

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/06/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0700 ROOF WORK IN PROGRESS ON BLDG 29. WATER BEING APPLIED.

0710 WINDOW REMOVAL IN PROGRESS W. WALL OF BLDG 37. REMOVAL & CLEAN-UP IN PROGRESS IN N.E. MAIN AREA. I START AIR SAMPLES.

0800 I MEET FIDEL (CST) AT BLDG 29, AND TELL HIM THAT DEBRIS IS ON GROUND AROUND PERIMETER OF BLDG. HE ACKNOWLEDGES THAT DEBRIS NEEDS TO BE CLEANED UP. CREW WILL CLEAN IT TODAY.

0900 JOHNNY MARASCO & I TOUR AREAS AROUND BLDGS 29 & 36, LOOKING FOR ANY ROOFING DEBRIS ON DOUGLAS SIDE OF CHAIN-LINK FENCE THAT SEPARATES DEMO SITE FROM ACTIVE DOUGLAS FACILITY. WE OBSERVE SEVERAL SMALL PIECES AT BOTH SITES. JOHNNY WILL ARRANGE WITH RICKY (CST) FOR ACCESS TO ALLOW WORKERS TO CLEAN AREAS.

1020 STEVE LONG ON SITE. STEVE, FIDEL & I WALK ROOF OF BLDG 37, FOLLOWING FIDEL'S REQUEST FOR VISUAL INSPECTION.

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/06/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1040 RESULT OF VISUAL INSPECTION BLDG 37 ROOF: MAIN S. AREA ("HIGH BAY") STILL HAS STONES THAT ARE ADHERED TO TAR. SMALL PIECES OF THIS MATERIAL ARE SCATTERED AND MIXED WITH NON-ACM LOOSE STONES WHICH COVER THE ENTIRE AREA. THE LOWER ROOFS ALONG S.E. AREA STILL HAVE FELTS (ACM) IN VARIOUS QUANITIES.

1050 STEVE MEETS WITH RICKY (CST) TO DISCUSS ROOF STATUS. RICKY SAYS TO TALK WITH DOUGLAS REPRESENTATIVE(S) AND HE WILL WORK PER THEIR INSTRUCTIONS.

1130 CREW BREAKS FOR LUNCH. STEVE TO DEPART SHORTLY.

1215 WORK RESUMING

1300 INTERIOR FIXTURES, LIGHTS, ETC, BEING REMOVED FROM BLDG 29 IN ORDER PREPARE FOR SET-UP FOR FLOOR TILE REMOVAL. ROOF WORK IN PROGRESS, ALSO. WATER IN USE.

1400 WORKERS REMOVING LAST WINDOW FROM W. WALL OF BLDG 37.

1405 I COLLECT AIR SAMPLES IN BLDG 37.

1430 I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/07/96

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature :

Abatement Area(s): BLDG 29, 37

I. JOB SCOPE

X	Air Sampling	X	Inspection
X	Set-Up		Set-Up
	Removal	X	Removal
X	Cleaning		Finals
	Finals		

II. WORK AREA

X	Containment		Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model) ½ FACE & PAPR

Differential Pressure Machines

- # of Machines
- Make & Model VARIOUS
- Visual Signs X
- Pressure Reading:

Time	Reading

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/07/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0700 DISCUSS STATUS OF BLDG 37 ROOF WITH J. MARASCO.

0730 BLDG 29 — ROOF WORK IN PROGRESS, WATER IN USE. INSIDE, AREA BEING CLEARED IN PREPARATION FOR SET-UP OF FLOOR TILE REMOVAL CONTAINMENT.

0755 BLDG 37 - I START AIR SAMPLES. I INFORM FIDEL (CST) OF SOME HIGH READINGS THAT OCCURED (HAVE SINCE DROPPED).

0830 I REINSPECT BLDG 61 INTERIOR PIPING — YESTERDAY FIDEL (CST) HAD SAID ALL DEFICIENCIES HAD BEEN CORRECTED. RESULT: OVEN GASKETS STILL IN PLACE; WRAPPED PIPE (UNLABELED) STILL LYING ON FLOOR; TRANSITE PIPE ABOVE WATER HEATER (1st FLOOR, COL B11) STILL IN PLACE. MARIO STAVALE (DOUGLAS) MEETS ME IN BLDG 61, AND TELLS ME HE WILL BE CONTACTING PAT HUSSEY OF CST, AND POSSIBLY SAGE KAHARA (CST) REGARDING STEVE LONG'S FAXed LETTER OF YESTERDAY.

1010 CST LOADING OUT STAGED WASTE BAGS FROM N.E. (NON-CONTAINMENT) AREA.

1030 FIDEL TELLS ME HE IS ABOUT TO BEGIN

(MORE)

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/07/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1030 (CONTINUED) SET-UP IN BLDG 37, IN AREA E. OF CURRENT CONTAINMENT (N.E. MAIN AREA). N.E. MAIN IS COMPLETE, FIDEL SAYS, EXCEPT FOR SMALL AREA (2 BEAMS ≈10' EACH) THAT ARE DIFFICULT TO ACCESS BECAUSE OF HEIGHT ABOVE FLOOR AND CROSS MEMBERS BLOCKING ACCESS. I TELL FIDEL THAT NEG PRESSURE MUST BE MAINTAINED IN N.E. MAIN CONTAINMENT AT ALL TIMES EVEN THOUGH THEY MAY STOP WORKING IN IT FOR THE TIME BEING, REGARDLESS OF WETHER THEY START A NEW CONTAINMENT ADJACENT TO IT.

1130 CREW BREAKS FOR LUNCH.

1220 WORK RESUMES.

1330 J. MARASCO, PAT HUSSEY (CST) & I DISCUSS POSSIBLE ALTERNATIVE WAYS OF ABATEMENT OF CEILING-LEVEL BEAM IS N.E. MAIN AREA, INCLUDING MINI-ENCLOSURE TYPE OPERATION.

1410 I COLLECT AIR SAMPLES IN BLDG 37. NOTE - DUE TO HEAVY TRAFFIC FROM SET-UP WORK & CLEANING, DUST GENERATED MAY AFFECT SAMPLES.

1430 I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/08/96

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature :

Abatement Area(s): BLDG 29, 37

I. JOB SCOPE

X Air Sampling	X Inspection
___ Set-Up	___ Set-Up
X Removal	X Removal
___ Cleaning	X Finals
X Finals	

II. WORK AREA

X Containment

___ Glove-bagging

- Perimeter Sealed ✓
- Area HVAC Off X
- Shower and Decon Installed ✓
- Shower Water Filtered ✓
- Respirator (Make & Model) ½ FACE & PAPR

Differential Pressure Machines

- # of Machines ___
- Make & Model VARIOUS
- Visual Signs X
- Pressure Reading:

Time	Reading

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/08/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0615 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0640 FIREPROOFING REMOVAL IN PROGRESS IN NEW CONTAINMENT IN BLDG 37. "E. CONTAINMENT" IS BETWEEN A AND C COLUMN LINES, FROM ≈17 TO 10. I START SAMPLE OUTSIDE OF N. BARRIER (IN E. CORRIDOR).

0700 FIDEL REQUESTS VISUAL INSPECTION OF N.E. MAIN AREA. AREA WAS APPARENTLY ALREADY ENCAPPED.

0740 RESULT OF VISUAL: SOME CLEAN-UP REQUIRED, WHICH FIDEL CONDUCTED IMMEDIATELY. AS DISCUSSED WITH CSI AND DOUGLAS YESTERDAY, SOME FIREPROOFING REMAINS AT THE JUNCTURE OF TWO BEAMS AT CEILING LEVEL (≈12 LIN FT). IT WAS DETERMINED BY CSI AND DOUGLAS THAT THE DIFFICULT ACCESS TO THIS AREA WOULD HAVE POSED A SAFETY RISK. IT WAS DETERMINED THAT AFTER CLEARANCE OF THE MAIN AREA THIS SPOT COULD BE ACCESSED BY APPROACHING AT AN ANGLE IMPOSSIBLE WHILE IN CONTAINMENT. THE SPOT REMOVAL COULD THEN BE CONDUCTED VIA A HEPA VAC-EQUIPPED MINI-ENCLOSURE. I START CLEARANCE SAMPLES (TWO; ONE IS DIRECTLY BENEATH SPOT WITH REMAINING FIREPROOFING.

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/08/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0900 I COLLECT CLEARANCE SAMPLES IN BLDG 37.

0930 CLEARANCE SAMPLES RESULTS: BELOW PEL (.013 & .004).

0940 I INFORM FIDEL OF SAMPLE RESULTS. REMOVAL IN E. AREA CONTINUES.

1010 SET-UP IN PROGRESS BLDG 29 (VFT). ROOF WORK IN PROGRESS BLDG 37.

1130 CREW BREAKS FOR LUNCH.

1215 WORK RESUMING.

1225 I CHANGE SAMPLE IN BLDG 37.

1310 WORK CONTINUES

1400 I COLLECT BULK SAMPLES OF MASTIC UNDER FLOOR TILES IN MAIN AREA OF BLDG 29, TO VERIFY WETHER MASTIC REMOVAL IS NEEDED

1445 I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/09/96

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature :

Abatement Area(s): BLDGS 29, 37

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

X	Containment		Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model) ½ FACE & PAPR

Differential Pressure Machines

- # of Machines
- Make & Model VARIOUS
- Visual Signs X
- Pressure Reading:

Time	Reading

Job # 5851-1730

Client: McDonnell Douglas Realty Co. SAT. Date: 11/09/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASLO'S DESK, & TO FASI FIELD BOOK.

0645 SET-UP IN PROGRESS IN BLDG 29 (VFT).

0715 REMOVAL IN PROGRESS IN BLDG 37 E. AREA. ("E. AREA" = A10, C12 TO A18, C18). I START AIR SAMPLE

0805 VFT REMOVAL STARTING IN BLDG 29. I START AIR SAMPLE.

0855 MINI-ENCLOSURE (WITH HEPA-VAC) OPERATION STARTING IN BLDG 37. I START AIR SAMPLE. REMOVAL IS ON ≈12' OF BEAM AT JUNCTURE NOT ACCESSIBLE WHILE AREA WAS IN CONTAINMENT.

1020 MINI-ENCLOSURE WORK COMPLETED, I COLLECT SAMPLE.

1030 CREW BREAKS FOR LUNCH.

1115 WORK RESUMING. CLEAN-UP AROUND BLDG 29 IN PROGRESS.

1200 I CHANGE AIR SAMPLE IN BLDG 37 (E. AREA).

1210 CREW IN BLDG 29 VFT REMOVAL AREA ~~FINISHES~~ STOPS REMOVAL WORK FOR THE DAY TO CONCENTRATE ON CLEAN-UP WORK, I COLLECT AIR SAMPLE.

1315 BAGGING & CLEANING IN PROGRESS BLDG 37 E. AREA.

1400 WORKERS CLEANING UP FOR THE DAY. I COLLECT AIR SAMPLE IN BLDG 37.

1430 I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/11/96

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature : [signature]

Abatement Area(s): BLDG 29, 37

I. JOB SCOPE

X Air Sampling
- Set-Up
- X Removal
- Cleaning
- X Finals

X Inspection
- Set-Up
- X Removal
- Finals

II. WORK AREA

X Containment

Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model) ½ FACE

Differential Pressure Machines

- # of Machines
- Make & Model VARIOUS
- Visual Signs X
- Pressure Reading:

Time	Reading

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/11/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE, DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0650 ROOF & VFT REMOVAL IN PROGRESS IN BLDG 29. I START AIR SAMPLE ADJ. VFT CONTAINMENT.

0730 FIDEL (CST) REQUESTS FINAL VISUAL INSPECTION OF E. AREA IN BLDG 37. RESULT: SOME DETAIL CLEANING REQUIRED. THEN OK FOR ENCAP. SOME CLEAN-UP ALSO REQUIRED OUTSIDE OF CONTAINMENT ALONG W. POLY WALL ("C" COLUMN LINE). FIDEL BRINGS WORKER TO BEGIN OUTSIDE CLEAN-UP.

0840 AIR SPRAYER FOR ENCAP IN E. AREA OF BLDG 37 IS BEING REPAIRED.

0845 ENCAP OPERATION IN PROGRESS (AIRLESS REPAIRED).

0925 I ATTEND WEEKLY MEETING.

1030 MEETING CONCLUDED.

1045 WORK STOPS IN BLDG 29 (VFT) WHILE AWAITING EQUIPMENT DELIVERY. I COLLECT AIR SAMPLE.

1050 I START CLEARANCE SAMPLES IN BLDG 37 E. AREA.

≈ 1100 STEVE LONG & TODD (CST) WALK BLDGS 34, 36, & ROOF OF BLDG 37 TO VERIFY REMAINING ACM.

1210 I COLLECT CLEARANCE SAMPLES IN BLDG 37.

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/11/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1300 CLEARANCE SAMPLES ANALYZED: OK (.005 & .006).

1310 I INFORM RICKY, TODD & FIDEL (CST) THAT CLEARANCE SAMPLES OK. WINDOW REMOVAL ON UPPER E. WALL (S. END) OF BLDG 37 IN PROGRESS. ROOF WORK IN PROGRESS ON BLDG 29. DEMO HAS STARTED ON N.W. CORNER OF BLDG 61. JOHNNY MARASCO (DOUGLAS) STOPPED DEMO SO I COULD CONFIRM THAT REMAINING ACM HAS BEEN REMOVED. TODD (CST) & I EXAMINE OVENS FOR GASKET (S. END OF BLDG). GASKETS REMOVED EXCEPT FOR TWO REMOVED OVEN DOORS THAT HAS SOME OF THE MATERIAL UNDER METAL LIP. TODD HAS DOORS REMOVED & WRAPPED. BECAUSE ROOF IS PARTIALLY COLLAPSED DUE TO DEMO, I DO NOT EXAMINE DUCTS ON ROOF TO VERIFY ALL FLEX JOINT MATERIAL IS REMOVED. MARASCO AGREES THAT VERBAL ACM OK IS GOOD ENOUGH TO CONTINUE WORK – I WILL ATTEMPT TO GET LETTER TOMORROW.

1405 WORKERS BEGINNING TO CLEAN UP FOR THE DAY.

1430 I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/12/96

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature :

Abatement Area(s):

I. JOB SCOPE

- X Air Sampling
  - Set-Up
  - X Removal
  - Cleaning
  - Finals
- X Inspection
  - Set-Up
  - X Removal
  - X Finals

II. WORK AREA

- X Containment
- Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model) ½ FACE

Differential Pressure Machines

- # of Machines
- Make & Model VARIOUS
- Visual Signs X
- Pressure Reading:

Time	Reading

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/12/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0710 VFT REMOVAL IN PROGRESS IN BLDG 29. I START AIR SAMPLE. ROOF REMOVAL ALSO IN PROGRESS. I REMIND TODD (CST) TO KEEP ROOF WETTED.

0800 DEMO OF WEST SIDE OF BLDG 29 IN PROGRESS. WINDOWS W/ACM PUTTY ARE STILL IN PLACE ON EAST SIDE; DEBRIS FROM WOOD SALVAGE WORK IS BLOCKING ACCESS TO WINDOWS. ACM LETTER FROM FORENSIC TO RELEASE BLDG 61 FOR DEMO IS DETERMINED NOT NECESSARY AT THIS POINT BECAUSE IT WOULD BE ONLY PARTIAL "CLEARANCE" (DUE TO WINDOW PUTTY ON EAST SIDE). MARASCO SAYS MY VERBAL YESTERDAY ~~REGARDI~~ RDA CONFIRMING THAT REMAINING INTERIOR ACM (OVEN GASKETS AND TRANSITE PIPE) WAS ADEQUATE FOR THE DEMO WORK CURRENTLY UNDERWAY.

1000 POLY REMOVAL (E. CONTAINMENT) IN PROGRESS IN BLDG. 37.

1100 CREW ON LUNCH BREAK.

1140 I CHANGE AIR SAMPLE ON BLDG 29.

1150 CREW RETURNING TO WORK.

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/12/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1220 TODD REQUESTS FINAL VISUAL ON ROOF OF BLDG 29. RESULTS: SOME REMAINING SMALL PIECES OF ROOFING TAR PAPERS, WHICH HE AGREES WILL BE CLEANED UP; A GREATER CONCERN, HOWEVER, IS TAR THRU-OUT ROOF AREAS. (RDM) TAR IS AT SUBSTRATE LEVEL, BENEATH THE REMOVED FELT/TAR PAPER MATERIALS. TODD & I REVIEW SURVEY REPORTS TO DETERMINE IF MATERIAL IS KNOWN AS ACM. WE ARE UNCERTAIN, SO I COLLECT SAMPLES FOR RESULTS TOMORROW A.M. MARASCO IS AWARE OF DECISION TO SAMPLE.

1400 WORKERS PREPARING TO CLEAN-UP FOR THE DAY. I COLLECT SAMPLE IN BLDG 29.

1430 I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/13/96

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature :

Abatement Area(s): BLDGS 29, 37, 1 (APPENDAGE-ROOF)

I. JOB SCOPE

X Air Sampling	X Inspection
___ Set-Up	___ Set-Up
X Removal	X Removal
___ Cleaning	___ Finals
___ Finals	

II. WORK AREA

X Containment (29)

___ Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed X
- Shower Water Filtered X
- Respirator (Make & Model) ½ FACE

Differential Pressure Machines

- # of Machines ___
- Make & Model VARIOUS
- Visual Signs X
- Pressure Reading:

Time	Reading

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/13/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0700 VFT REMOVAL IN PROGRESS IN BLDG 29. POWER IS OFF AT AVAILABLE EXTENSION CORD.

0730 I INFORM RICKY & TODD (CST) THAT THE FOUR ROOF TAR SAMPLES COLLECTED FROM SUBSTRATE LEVEL OF BLDG 29 YESTERDAY WERE ALL FOUND TO BE "NONE DETECTED." SAMPLES WERE COLLECTED FROM: 1 FROM W. ROOF; 1 FROM E. ROOF; 2 FROM UPPER ROOF (1 - N. END & 1 S. END). TODD ~~HAS WORKER IA~~ ESTABLISHES POWER ACCESS FOR ME SO I CAN START SAMPLE ADJ TO VFT REMOVAL CONTAINMENT IN BLDG 29. NO OTHER ACM REMOVAL IN PROGRESS ON SITE CURRENTLY. I START SAMPLE.

0815 WINDOW REMOVAL WORK BEGINNING AT UPPER E. WALL (S. AREA) OF BLDG 37.

0830 I DISCOVER WINDOWS HAVE BEEN REMOVED FROM E. SIDE OF BLDG 61. DEMO IN PROGRESS, CURRENTLY ON W. SIDE. ROOF REMOVAL IN PROGRESS ON BLDG 1 APPENDAGE (RESPIRATORS & WATER IN USE). BLOCK WINDOWS REMOVED FROM BLDG 34

0930 WOOD SALVAGE CONTINUES ON E. SIDE OF BLDG 61.

(MORE

Job # 5851-1730

Client: McDonnell Douglas Realty Co. Date: 11/13/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0930 (CONTINUED) REMOVED WINDOW FRAMES WITH ACM PUTTY (FROM E. SIDE OF BLDG 21) ARE PILED IN AREA BETWEEN BLDGS 41 & 37 AWAITING WRAPPING.

1130 CREW BREAKS FOR LUNCH. I CHANGE SAMPLE IN BLDG 29.

1215 WORK RESUMING

1350 I OBSERVE SOME ROOFING DEBRIS ON DOUGLAS' SIDE OF FENCE AT REMOVAL AREA ON BLDG 1 APPENDAGE. I INFORM TODD (CST)

1410 WORK IN BLDG 29 (VFT) STOPPING FOR THE DAY. I COLLECT AIR SAMPLES

1430 I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/14/96

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature : [illegible]

Abatement Area(s): BLDGS 1 APPENDAGE; 29; 37 S. CANOPY

I. JOB SCOPE

- X Air Sampling
  - ___ Set-Up
  - X Removal
  - ___ Cleaning
  - ___ Finals
- X Inspection
  - ___ Set-Up
  - X Removal
  - X Finals

II. WORK AREA

- X Containment
- ___ Glove-bagging

- Perimeter Sealed: X
- Area HVAC Off: X
- Shower and Decon Installed: X
- Shower Water Filtered: X
- Respirator (Make & Model): ½ FACE

Differential Pressure Machines

- # of Machines: ___
- Make & Model: VARIOUS
- Visual Signs: X
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 11/14/96

Location: HARBOR GATEWAY, TORRANCE

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0715 VFT REMOVAL IN PROGRESS IN BLDG 29. POWER IS OFF AT SUPPLY LINE FOR SAMPLE, ATTEMPTING TO REESTABLISH. ROOF REMOVAL IN PROGRESS ON BLDG 1 APPENDAGE. ROOF VENTS ARE NOT COVERED.

0720 I LOCATE FIDEL (CST) AND TELL HIM ABOUT VENTS AND DEBRIS ON GROUND AROUND BLDG 1 APPENDAGE, INCLUDING ON DOUGLAS' SIDE OF FENCE (ADJ BLDG 1). DEMO CLEAN-UP IN PROGRESS ON W. SIDE OF BLDG 61.

0800 POWER REESTABLISHED FOR SAMPLING IN BLDG 29. I START SAMPLE. VENTS STILL NOT COVERED ON BLDG 1 APPENDAGE — I LOCATE TODD (CST) AND TELL HIM, ALSO TELL HIM ABOUT DEBRIS.

0845 I MEET J. MARASCO AT BLDG 18 OFFICE. WE TOUR AREA, INCLUDING INTERIOR OF BLDG 1 APPENDAGE WHERE A SMALL AMOUNT OF DEBRIS IS OBSERVED. ROOF CREW IS GONE.

(MORE)

5851-1730

Client: MDRC

Date: 11/14/96 RDM

Location: HARBOR GATEWAY, TORRANCE

III. SUMMARY OF WORK/PROJECT NOTES

0845 (CONTINUED). DEBRIS (ROOFING) ON DOUGLAS' SIDE OF FENCE ADJ BLDG 1 HAS BEEN CLEANED UP BUT NOT DEBRIS ON CONSTRUCTION SIDE OF FENCE. MARASCO & I CONTINUE TO BLDG 37, WHERE I POINT OUT SOME OF THE REMAINING INTERIOR "GALBESTOS". AT W. SIDE OF BLDG 34, I SHOW HIM REMAINING WINDOW PUTTY ON BLDG AT WINDOW OPENINGS. AT W. SIDE OF BLDG 61 WE OBSERVE REMOVED WINDOW FRAMES (WITH PUTTY) AWAITING WRAPPING. RDM

0920 WE (MARASCO & I) LOCATE FIDEL AND ~~TELL~~ SHOW HIM ~~ABOUT~~ DEBRIS IN & AROUND BLDG 1 APPENDAGE AND REMAINING PUTTY ON BLDG 34 WINDOW OPENINGS — GLASS BLOCKS ON E. SIDE WINDOWS PREVIOUSLY BROKEN OUT, WITH GLASS BLOCKS & PIECES REMAINING ON GROUND.

1025 ROOF REMOVAL IN PROGRESS ON BLDG 37 S. CANOPY (CONNECTS TO BLDG 1 "TUNNEL").

1100 DEBRIS CLEAN UP IN PROGRESS ADJ BLDG 1 APPENDAGE.

1130 CREW BREAKS FOR LUNCH.

1215 WORK RESUMES.

1340 DETAILING OF ROOF ON BLDG 29 IN PROGRESS.

Client: MDRC Date: 11/14/96

Location: HARBOR GATEWAY, TORRANCE

III. SUMMARY OF WORK/PROJECT NOTES

1400 CST REQUESTS FINAL VISUAL OF BLDG 29 ROOF, BLDG 1 APPENDAGE ROOF, AND BLDG 37 S. CANOPY ROOF. I COLLECT SAMPLE IN BLDG 29, THEN BEGIN VISUALS.

1430 VISUAL CONDUCTED: ALL OK. I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/15/96

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature :

Abatement Area(s): BLDG 29, 37

I. JOB SCOPE

x	Air Sampling	x	Inspection
	Set-Up		Set-Up
x	Removal	x	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

x	Containment		Glove-bagging

- Perimeter Sealed x
- Area HVAC Off x
- Shower and Decon Installed x
- Shower Water Filtered x
- Respirator (Make & Model) ½ FACE

Differential Pressure Machines

- # of Machines
- Make & Model VARIOUS
- Visual Signs x
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 11/15/96

Location: HARBOR GATEWAY, TORRANCE

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. (COPY MACHINE NOT WORKING — CANNOT CURRENTLY MAKE COPIES OF YESTERDAY'S LOGS)

0705 VFT REMOVAL IN PROGRESS IN BLDG 29. I START AIR SAMPLE.

0740 ROOF DETAILING ON BLDG 37 IN PROGRESS.

0920 WINDOW REMOVAL IN PROGRESS ON E. SIDE OF BLDG 37.

1040 I OBSERVE "GALBESTOS" SIDING & WINDOWS (W/POTTY) STACKED BUT UNWRAPPED ON E. SIDE OF BLDG 37 & WINDOW FRAMES (W/POTTY) ARE STILL PILED BETWEEN BLDGS 61 & 37

1130 CREW BREAKS FOR LUNCH.

1215 WORK RESUMING.

1320 POWER WAS CUT ON BOX SUPPLYING MY SAMPLE PUMP AT UNKNOWN TIME. I VOID SAMPLE.

1350 TODD (CSI) OBSERVES WORKER IN BLDG 29 CONTAINMENT NOT WEARING RESPIRATOR, AND IMMEDIATELY HAS HIM STOP WORK AND LEAVE FOR THE DAY.

1430 I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date : 11/18/96

Location: Harbor Gateway, Torrance, CA Technician: RDM

Contractor: CST Signature :

Abatement Area(s): (CLEAN-UP ACTIVITIES ONLY, VARIOUS LOCATIONS)

I. JOB SCOPE

N/A Air Sampling
- Set-Up
- Removal
- Cleaning
- Finals

X Inspection
X CLEAN-UP
- Set-Up
- Removal
- Finals

II. WORK AREA

Containment

Glove-bagging

- Perimeter Sealed
- Area HVAC Off
- Shower and Decon Installed
- Shower Water Filtered
- Respirator (Make & Model) ½ FACE

Differential Pressure Machines

- # of Machines N/A
- Make & Model
- Visual Signs
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 11/18/96

Location: HARBOR GATEWAY

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. (NO COPIES MADE OF YESTERDAY'S LOGS DUE TO BROKEN COPIER).

0645 NO REMOVAL IN PROGRESS IN BLDG 29 — VFT REMOVED, BUT MASTIC REMAINS.

0710 BLDG 37 — FIREPROOFING REMOVED FROM TRANSFORMER ROOM, APPARENTLY OVER THE WEEKEND DESPITE CST SAYING ON FRIDAY 11/15/96 THAT THEY WOULD NOT BE ~~CONDUCTED~~ CONDUCTING ANY REMOVAL ON WEEKEND.

0815 WINDOW FRAMES FROM E. SIDE OF BLDG 61 ARE STILL ON GROUND BETWEEN BLDGS 61 & 37. TODD (CST) SAYS CREW WILL WRAP THEM TODAY.

0900 MEETING. (NO REMOVAL IN PROGRESS; GENERAL CLEAN-UP ONLY)

1040 MEETING CONCLUDED.

1110 I COLLECT ADDITIONAL BULK SAMPLES OF FLOOR TILE MASTIC IN BLDG 29 (9 SAMPLES TOTAL) AS REQUESTED BY DOUGLAS DURING MEETING.

1130 CREW BREAKS FOR LUNCH

1215 WORK RESUMING. WOOD SALVAGE WORK IN PROGRESS ON S. END OF E. LOW ROOF OF BLDG 37 THIS ROOF AREA HAS NOT HAD A FINAL VISUAL.

1320 WINDOW FRAMES WITH ACM PUTTY BEING WRAPPED AND

(MORE)

Client: MDRC

Date: 11/18/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

1320 (CONTINUED) REMOVED FROM STAGING AREA BETWEEN BLDGS # 37 & 61. CLEAN-UP IN PROGRESS IN VARIOUS LOCATIONS.

1430 CST CONCLUDES WORK FOR THE DAY. I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/19/96

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature :

Abatement Area(s): BLDG 29

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

	Containment	X	Glove-bagging

- Perimeter Sealed N/A
- Area HVAC Off
- Shower and Decon Installed
- Shower Water Filtered
- Respirator (Make & Model) ½ FACE

Differential Pressure Machines

- # of Machines
- Make & Model
- Visual Signs
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 11/19/96

Location: HARBOR GATEWAY, TORRANCE

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. COPIER REPAIRED YESTERDAY — I DELIVER COPIES OF LOGS FROM 11/14, 15, 18/96 TO MARASCO'S DESK & TO FASI FIELD BOOK. I PICK UP FAX OF LAB RESULTS FOR BULK SAMPLES OF BLDG 29 FLOOR TILE MASTIC. 9 SAMPLES TOTAL: 6 ND; 3 POS. I COLLECTED SAMPLES YESTERDAY, AT DOUGLAS' REQUEST.

0720 "GALBESTOS" SIDING ~~REMOVAL~~ WRAPPING & CLEAN-UP IN PROGRESS ON EXTERIOR E. WALL OF BLDG 37. ~~REMOVAL IS BY HAND.~~ WATER & RESPIRATORS IN USE.

0840 CLEAN-UP IN PROGRESS ON EXTERIOR E. SIDE OF BLDG 29.

0940 I MEET JOHN MARASCO AND TELL HIM RESULTS OF BULK SAMPLES (MASTIC).

1035 TODD (CSI) & I WALK S. ROOF OF BLDG 37. SMALL PIECES OF TAR WITH ROCKS (UPPER LAYER OF TAR) STILL EXIST SCATTERED THRU-OUT. TODD REPORTS TO PAT. CONTRACTOR ON SITE PREPARING BLDG 1 APPENDAGE FOR CONSTRUCTION OF ~~##~~ WALL TO SEPARATE APPENDAGE FROM MAIN BLDG.

1130 CREW BREAKS FOR LUNCH.

1215 WORK RESUMING.

1220 GLOVEBAG WORK STARTING ON E. WALL (N. PORTION) OF

(MORE)

Client: MDRC Date: 11/19/96

Location: HARBOR GATEWAY, TORRANCE

III. SUMMARY OF WORK/PROJECT NOTES

1220 (CONTINUED) BLDG 29. I START AIR SAMPLES.

1310 "GALBESTOS" REMOVAL IN PROGRESS ON BLDG 37.

1410 CREW CLEANING UP FOR THE DAY. I COLLECT AIR SAMPLES IN BLDG 29.

1430 I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date : 11/20/96

Location: Harbor Gateway, Torrance, CA Technician: RDM

Contractor: CST Signature :

Abatement Area(s): BLDG 37 (EXTERIOR SIDING)

I. JOB SCOPE

N/A	Air Sampling	X	Inspection
	Set-Up		Set-Up
	Removal	X	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

	Containment		Glove-bagging

- Perimeter Sealed
- Area HVAC Off
- Shower and Decon Installed
- Shower Water Filtered
- Respirator (Make & Model)

Differential Pressure Machines

- # of Machines
- Make & Model
- Visual Signs
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 11/20/96

Location: HARBOR GATEWAY, TORRANCE

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0700 CST PREPARING TO WRAP "GALBESTOS" SIDING REMOVED FROM BLDG 37 YESTERDAY. WATER & RESPIRATORS IN USE.

0720 I GO TO BLDG 29 TO OBSERVE GLOVEBAG OPERATIONS, BUT WORK IS COMPLETED. WORKERS (2) ARE CLEANING UP. ABATED PIPING EXTENDS NORTH FROM COL B11 (CONTAINMENT'S N. WALL). PIPING INSIDE CONTAINMENT NOT YET ABATED. VISUAL INSPECTION OF ABATED SECTION OK.

0800 I ANALYZE AIR SAMPLES COLLECTED YESTERDAY 11/19/96 DURING GLOVEBAG WORK. RESULTS: BOTH SAMPLES ~~BELOW~~ LESS THAN .01 f/cc.

0930 I JOHN MARASCO & TODD NORDEEN (CST). WE DISCUSS STATUS OF BLDG 37 ROOF (UPPER S. AREA). AREA NEEDS FURTHER WORK — SMALL PIECES OF TAR WITH ROCK ARE THROUGH OUT. MARASCO ASKS TODD TO GET DIRECTION TODAY FROM PAT HUSSEY (CST).

1000 "GALBESTOS" SIDING REMOVAL & WRAPPING IN PROGRESS ON E. SIDE OF BLDG 37.

5851-1730

Client: MDRC

Date: 11/20/96

Location: HARBOR GATEWAY, TORRANCE

III. SUMMARY OF WORK/PROJECT NOTES

1130 CREW BREAKS FOR LUNCH.

1215 WORK RESUMING.

1240 "GALBESTOS"

1330 TODD (CST) & I USE LIFT TO INSPECT CEILING LEVEL DRAFT STOP. DRAFT STOP IS CONSTRUCTED OF CORRUGATED SHEET METAL SIMILAR IN APPEARANCE & COLOR TO SIDING WITH "GALBESTOS". AT CEILING LEVEL, WE SCRAPE ~~SURFACE~~ FINISH ON DRAFT STOP & DETERMINE IT HAS ONLY PAINT FOR FINISH, NO "GALBESTOS" OR WEATHERPROOFING.

1345 CST PREPARES TO SORT & CLEAN-UP GLASS DEBRIS AND ARM PUTTY FROM E. SIDE OF BLDG. 34.

1410 WORKERS CLEANING UP FOR THE DAY.

1430 I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/21/96

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature : [signature]

Abatement Area(s): BLDG 36 (NORTH CANOPY ROOF); BLDG 37 (GLOVEBAG-PIPING)

I. JOB SCOPE

N/A	Air Sampling	X	Inspection
	Set-Up		Set-Up
	Removal	X	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

	Containment	X	Glove-bagging

- Perimeter Sealed
- Area HVAC Off
- Shower and Decon Installed
- Shower Water Filtered
- Respirator (Make & Model) ½ FACE + PAPR

Differential Pressure Machines

- # of Machines N/A
- Make & Model
- Visual Signs
- Pressure Reading:

Time	Reading

Client: MDRC

Date: 11/21/96

Location: HARBOR GATEWAY, TORRANCE
WEATHER: RAIN, HEAVY AT TIMES

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & FASI FIELD BOOK.

0730 CST PREPARING FOR GLOVEBAG OPERATIONS AT CEILING LEVEL IN BLDG 37.

0900 CST TOOK 3 SAMPLES YESTERDAY OF TAR WITH STONES REMAINING ON BLDG 37 S. ROOF. RESULTS: ALL 3 NEGATIVE IN TAR; ONE SAMPLE HAD TRACE % IN "DUST". AFTER DISCUSSION WITH JOHN MARASCO (DOUGLAS), IT IS DECIDED THAT I WILL TAKE AN ADDITIONAL 3 SAMPLES WITH TODD (CST) PRESENT SO THERE CAN BE NO MISUNDERSTANDING OF THE MATERIAL BEING QUESTIONED. I COLLECT THE SAMPLES, WITH TODD, AND DELIVER TO FASI LAB.

1200 RESULTS OF BULK SAMPLES: ALL 3 ARE 1-5% IN TAR UNDER STONES. STEVE LONG, AT FASI OFFICE, CALLS PAT HUSSEY (CST) WITH RESULTS. HE ALSO LEAVES MSG ON MARASCO'S VOICE MAIL.

1330 ROOF REMOVAL IN PROGRESS ON N. CANOPY OF BLDG 36. RESPIRATORS IN USE, AREA SOAKED DUE CONSTANT RAIN.

1430 CREW DEPARTING, I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/22/96

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature :

Abatement Area(s): BLDG 37

I. JOB SCOPE

N/A Air Sampling
- ____ Set-Up
- ____ Removal
- ____ Cleaning
- ____ Finals

X Inspection
- ____ Set-Up
- X Removal
- ____ Finals

II. WORK AREA

N/A Containment

X Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ½ FACE

Differential Pressure Machines

- # of Machines N/A
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 11/22/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0715 ROOF ~~RE~~ RE-CLEANING IN PROGRESS ON BLDG 37 S. ROOF AREA. CREW IS SIFTING ROCK/DEBRIS THROUGH SCREEN TO SEPARATE TAR LUMPS FROM LOOSE ROCKS. TODD & I WALK AREA TO VERIFY THAT METHOD IS EFFECTIVE. AREA WHERE CREW HAS JUST COMPLETED SIFTING PROCESS APPEARS OK.

0830 GLOVEBAG OPERATIONS IN PROGRESS IN BLDG 37. WORK IS BEING CONDUCTED ON "SNORKELIFT" ON REMAINING PIPER INSULATION AT CEILING LEVEL. STANDING WATER ON FLOOR RENDERS AIR SAMPLING POTENTIALLY DANGEROUS BECAUSE LONG CORDS WOULD HAVE TO BE RUN THROUGH WATER & MUDDY AREAS

1000 DEMO CREW CLEANING DEBRIS FROM AREA WEST OF BLDG 34. DEMO CREW ALSO REMOVING SOME INTERIOR NON-ACM METAL SIDING FROM BLDG 37.

1100 ROBERT ESPINOSA (CST) ON SITE. ROBERT, TODD (CST) & I WALK BLDG 37 ROOF TO CHECK CLEANING PROGRESS. ROBERT TELLS ME JOHN MARASCO WANTS US TO TAKE 3 MORE SAMPLES OF THE UPPER

(MORE)

5851-1730

Client: MDRC

Date: 11/22/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

1100 (CONTINUED) LAYER OF TAR (THE MATERIAL CURRENTLY BEING CLEANED FROM THE LOOSE ROCKS VIA SCREEN). I GET SAMPLE BAGS AND WE PROCEED AS FOLLOWS (HOW ROBERT SAYS JOHN REQUESTED): I SELECT SAMPLE, BREAK IT INTO TWO PIECES ~~A ONE~~ RDD AND PLACE EACH PIECE IN A SEPARATE BAG — ONE FOR ROBERT AND ONE FOR ME. WE DO THIS THREE TIMES. ROBERT IS TO TAKE HIS THREE SAMPLES TO A LAB OF HIS CHOICE, AND I WILL TAKE MY THREE TO FORENSIC'S LAB. WE WILL BOTH ASK FOR ~~FOR~~ RESULTS BY MONDAY 11/25/96 A.M. ROBERT SAYS HE WILL CHECK WITH THE LAB HE USES & VERIFY IT IS NVLAP CERTIFIED.

1145 WE MEET JOHN MARASCO AS WE FINISH SAMPLING, AND I (EXPLAIN FOR JOHN) RDD ~~REVIEW~~ THE SAMPLING PROCESS WE FOLLOWED.

1330 WORK CONTINUES ON ROOF.

1415 CREW BEGINS CLEANING UP FOR THE DAY.

1430 I DEPART SITE, TO DROP OFF SAMPLES AT FASI.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/23/96

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature :

Abatement Area(s): BLDG 37

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
	Removal	X	Removal
	Cleaning	X	Finals
X	Finals		

II. WORK AREA

X	Containment		Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- Shower and Decon Installed HUDSON X
- Shower Water Filtered WET TOWELS DISPOSED OF _____
- Respirator (Make & Model) ½ FACE

Differential Pressure Machines

- # of Machines ONE
- Make & Model 2000 CFM
- Visual Signs
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 11/23/96 SATURDAY

Location:

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0655 SET-UP IN PROGRESS FOR VFT REMOVAL IN S.E. OFFICE AREA OF BLDG 37.

0720 GLOVEBAG OPERATION IN PROGRESS ON S. END OF BLDG 37, INTERIOR AT CEILING LEVEL. TWO WORKERS AT WORK STATIONS (ONE STATION AT A TIME; WORK CONDUCTED VIA "SNORKELIFT"), WATER BEING USED, BUT NO HEPA VAC OBSERVED, NOR SMOKE TESTING OF BAGS.

0810 VFT REMOVAL IN PROGRESS IN S.E. SINGLE-STORY AREA OF BLDG 37.

1030 VFT REMOVAL NEARLY COMPLETE, MASTIC REMOVAL ABOUT TO START

1100 WORKER FROM DEMO CREW ASKS ME ~~IF~~ (PDN) IF A MATERIAL THEY'VE ENCOUNTERED IS ACM. MATERIAL IS A PLASTER-LIKE WALL MATERIAL, THE SURFACE APPEARS TO POSSIBLY HAVE A SPRAYED-ON LAYER. THE MATERIAL WAS DISCOVERED ON THE ~~EXTERIOR~~ OUTER SURFACE OF WALLS OF THE ELEVATOR SHAFT ADJ ~~TO~~ COL A9 IN BLDG 37, AFTER THE HARD CEILING WAS REMOVED. MARTY (NASDI - DEMO CONTRACTOR)

(MORE)

Client: MDRC Date: 11/23/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

1100 (CONTINUED) HAS HIS WORKERS WORK ELSEWHERE.
I CHECK SURVEYS BUT CANNOT FIND EVIDENCE THAT THIS MATERIAL WAS SAMPLED. I COLLECT 3 SAMPLES. TODD (CST), MARTY & I THEN EXAMINE A BEAM EXPOSED ADJ COL A12 BY A HOLE MADE IN WALL BY DEMO CREW. BEAM HAS FIREPROOFING. DEMO CREW WILL NOT ~~to~~ WORK ~~ON~~ IN IMMEDIATE AREA, PER MARTY.

1305 VFT & MASTIC REMOVAL 90% COMPLETE. MASTIC REMOVAL GOING SLOWLY DUE WATER (FROM YESTERDAY'S RAIN) INTERFERRING WITH SOLVENT.

1315 VISUAL REQUESTED FOR VFT AREA. RESULT: MINOR DETAILING, THEN OK.

1400 I START CLEARANCE SAMPLES.

RDM 1445 JOHN MARASCO ON SITE.

1525 I COLLECT CLEARANCE SAMPLES.

1600 SAMPLES ANALYZED: .002 f/cc & .003 f/cc.
I TELL TODD (CST) THAT SAMPLES ARE OK.

1615 I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/25/96

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature :

Abatement Area(s): BLDG 37

I. JOB SCOPE

	Air Sampling	X	Inspection
	Set-Up		Set-Up
	Removal	X	Removal
	Cleaning	X	Finals
	Finals		

II. WORK AREA

X	Containment		Glove-bagging

- Perimeter Sealed X
- Area HVAC Off X
- ~~Shower and Decon~~ Installed HUDSON
- ~~Shower Water~~ Filtered WET TOWELS DISPOSED OF
- Respirator (Make & Model) PAPR

Differential Pressure Machines

- # of Machines ONE (BLDG 37 - A12 BEAM)
- Make & Model 1200 CFM
- Visual Signs X
- Pressure Reading:

Time	Reading

5857-1730

Client: MDRC

Date: 11/25/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & TO FASI FIELD BOOK.

0700 CONTAINMENT ON S.E. OFFICE AREA OF BLDG 37 IS TORN DOWN (AREA WAS CLEARED SATURDAY 11/23/96). GLASS DEBRIS, POTENTIALLY WITH ACM PUTTY, REMAINS ON GROUND ADJ BLDG 34. MAJORITY HAS BEEN REMOVED. UNWRAPPED, REMOVED PIECES OF "GALBESTOS" SIDING OBSERVED ON E. SIDE OF BLDG 37 AND W. SIDE OF BLDG 36 (W. CANOPY).

0715 CST CREW CONTINUING SIFTING OF ROOFING STONES TO SEPARATE PIECES OF TAR ON BLDG 37 S. ROOF. DEMO CREW REMOVING NON-STRUCTURAL COMPONENTS IN BLDG 37.

0810 I TOUR AREA WITH JOHN MARASCO & MERLE PANTCH (DOUGLAS).

0830 CST PREPARING TO SET-UP FOR FIREPROOFING REMOVAL ON BEAM D/SCOVERED INSIDE WALL IN BLDG 37 ≈ COL A12. (≈ 10 LIN. FT.)

0900 WEEKLY PROGRESS MEETING

1030 MEETING CONCLUDED

1045 CST REPAIRING CONTAINMENT IN BLDG. 29. NO WORK CURRENTLY IN PROGRESS IN CONTAINMENT,

(MORE)

5851-1730

Client: MORC

Date: 11/25/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

1045 (CONTINUED) BUT AT MEETING CST ANNOUNCED THEY WILL REMOVE MASTIC (TILE PREVIOUSLY REMOVED, THEN QUESTION AROSE AS TO WHETHER CST WOULD REMOVE MASTIC).

1130 CREW TAKES LUNCH.

1215 WORK RESUMING. BLDG 37 ROOF WORK CONTINUES.

1300 FIREPROOFING REMOVAL IN PROGRESS ON RECENTLY DISCOVERED BEAM INSIDE WALL IN BLDG 37, 1ST FLOOR ADJ COL A12. CONTAINMENT IS ≈12' LONG × 5' DEEP × 9' HIGH; DPU IN USE. DEMO OF NON-STRUCTURAL BLDG COMPONENTS IN ADJ AREAS — SUBSEQUENT TRAFFIC, DIRT/DUST RENDER AIR SAMPLING VIRTUALLY USELESS.

1410 STEVE LONG & TRINI RODRIGUEZ ON SITE. STEVE, TRINI & I TOUR AREA. OBSERVED AREAS OF CONCERN: GALBESTOS SIDING PARTIALLY REMOVED FROM E. SIDE OF BLDG 37 & GALBESTOS DEBRIS PIECES ON S. SIDE OF BLDG 37; GLASS DEBRIS WITH ACM PUTTY ON E. SIDE OF BLDG 34; DEBRIS ADJ BLDG 1 APPENDAGE & BLDG 36. OTHER OBSERVATIONS: BLDG 37 ROOF NOT COMPLETE, BUT PROCESS BEING USED APPEARS SUFFICIENT; FIREPROOFING REMOVAL FROM BEAM IN BLDG 37 COMPLETE, CONTAINMENT REMOVED — STEVE GIVES BEAM VISUAL INSPECTION — OK.

(MORE)

5851-1730

Client: MORC

Date: 11/25/96

Location:

III. SUMMARY OF WORK/PROJECT NOTES

1410 (CONTINUED) STEVE DETERMINES ACM FIREDOORS AND FLEX JOINT MATERIAL ~~BOTH~~ ROW NO LONGER EXIST IN BLDG 37.

1515 STEVE & TRINI DEPART SITE.

1535 I DEPART SITE.

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 11/26/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : [illegible]

Abatement Area(s): Bldg. 37, Bldg. 36 roofs.

I. JOB SCOPE

____ Air Sampling	X Inspection
____ Set-Up	____ Set-Up
____ Removal	X Removal
____ Cleaning	____ Finals
____ Finals	

II. WORK AREA

____ Containment

____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 11/26/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. DELIVER COPIES OF YESTERDAY'S LOGS TO MARASCO'S DESK & FASI FIELD BOOK.

0645 ROOF DETAILING IN PROGRESS ON BLDG 37 S. ROOF.

0730 MASTIC REMOVAL EQUIPMENT FOR BLDG 29 DUE ON SITE TODAY, BUT HAS NOT YET ARRIVED.

0845 CST SAYS BLDG 37 ROOF WILL BE READY FOR VISUAL RE-INSPECTION ≈ 1 HOUR.

0900 TRINI RODRIGUEZ ON SITE.

0915 I INTRODUCE TRINI TO JOHNNY MARASCO & DISCUSS JOB STATUS.

1000 TRINI & I WALK BLDG 37 S. ROOF. RESULTS: NEEDS ADDITIONAL DETAILING IN SEVERAL LOCATIONS.

1030 TRINI & I WALK AREA WITH CST PERSONNEL, WHO ADDRESSES SMALL DETAILING ISSUES. IN ADDITION, HOWEVER, WE OBSERVE ~~SE~~ FIVE SMALL PATCHES OF ROOFING THAT IS STILL UNTOUCHED. CST WILL REMOVE AFTER LUNCH. TOTAL AREA ≈ 9 □

1140 I INTRODUCE TRINI TO MARIO STAVALE. WE DISCUSS STATUS OF BLDG 37 S. ROOF. MARASCO ALSO PRESENT. CST SAYS ROOF WILL TAKE ≈ 1 HOUR.

1200 STEVE LONG ON SITE.

5851-1730

Client: MDRC

Date: 11/26/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

12/5 I DEPART SITE. TRINI IS ON SITE REP.

1215 Trinidad [illegible]. I have been briefed on current situation. CST workcrew are on roof of bldg. 37 completing detail clean up.

1320hrs. Clean up activities are complete. Informed Johnny of MDRC. Demo of bldg. 37 begins. CST workcrew are also removing asbestos ~~siding~~ corrugated siding. Workcrew crew from roof of bldg. 37 move over to roof of bldg 36, north end, and continue with removal of roofing material, & clean up of roofing debris.

1410hrs. Work activities continue.

1430hrs. Work crew clean up and depart job site. I also depart job site.

Trinidad [illegible]

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date : 11/27/96

Location: Harbor Gateway, Torrance, CA Technician: TSR

Contractor: CST Signature : Tindaro

Abatement Area(s): Debris from bldgs. 36, 37, 34. Poly prep bldg. 29

I. JOB SCOPE

_____ Air Sampling
_____ Set-Up
_____ Removal
_____ Cleaning
_____ Finals

_____ Inspection
_____ Set-Up
_____ Removal
_____ Finals

II. WORK AREA

_____ Containment

_____ Glove-bagging

- Perimeter Sealed _____
- Area HVAC Off _____
- Shower and Decon Installed _____
- Shower Water Filtered _____
- Respirator (Make & Model) _____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 11/27/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Arrive on site. Tuidad. Delivered copies of yesterday's logs to Marasco's desk and FASI field book.

0700hrs. Spoke with Todd (CST) who said that for today, they will pick up loose cal-asbestos panels from bldg. 37, clean up loose debris (bldg. 37) on ground and clean up glass against bldg. 34.

0810hrs. Clean up activities continue. Johnny (MDRC) is on site.

0915hrs. The free standing brick wall has been knocked down.

1030hrs. Clean up of glass continues. Mastic removal equipment arrives on site.

1130hrs. Work crew is sealing vents over roof of bldg. 29.

1245hrs. Work activities continue. Two workers are inside work area containment (Bldg. 29), cleaning up water for monday's work activities.

1315hrs CST work crew prepare to depart job site.

1330hrs. Depart job site. Tuidad

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 12/02/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Trinidad

Abatement Area(s): Bldgs. 36, 33 & 29

I. JOB SCOPE

____ Air Sampling	X Inspection
____ Set-Up	____ Set-Up
____ Removal	X Removal
____ Cleaning	____ Finals
____ Finals	

II. WORK AREA

____ Containment

____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 12/02/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs Tindall [signature]. Arrive on site. Delivered copy of Wednesday's (11/27/96) job log to Johnny Morasco's desk.

0630hrs CST work crew are on site and are doing some housekeeping.

0730hrs. CST truck is on site loading of equipment.

0830hrs. Todd (CST foreman) states that for today, they will continue to do clean up of remaining work areas. The mastic in bldg: 29 remain. The equipment CST brought on Wednesday, broke down during a test run over the week end.

0900hrs. Weekly meeting begins. Steve (FASI-PM) on site

1000hrs. meeting complete. Summary of meeting is in minutes of meeting.

1030hrs Steve (FASI-PM) departs.

1130hrs. Clean up around bldg. 36 continues.

1230hrs. Advise Todd (CST foreman) that wrapped TSI has ripped open. He said he would get on it. Also work crew work on cleaning window putty in bldg. 33.

1330hrs. Work activities continue.

1415hrs. CST Work Crew prepare to depart for the day.

1430hrs Depart job site. Tindall [signature]

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 12/03/94

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : [signature]

Abatement Area(s): Bldgs. 23 & 27.

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	X	Set-Up
____	Removal	X	Removal
____	Cleaning	X	Finals
____	Finals		

II. WORK AREA

____ Containment

____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 12/03/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [signature]. On site. Delivered the previous day's job log copy to Johnny Morasco's desk.

0730hrs. Todd (CST foreman) says that for Today, they will remove asbestos paneling and roofs from bldgs. 23 & 27. Also they will finish glove bagging TSI from bldg. 1 appendige.

0815hrs. Set up of poly is in progress in bldgs. 23 & 27. No electrical power is avaliable at these sites. I recommended that material to be removed, should be thoroughly wet.

0930hrs. Removal activities continue. Clean up of cal-sbestos is in progress. Todd dosn't know yet when mastic remover will be fixed.

1030hrs. Removal is complete in bldgs. 27 & 23.

1050hrs. Performed a visual in both bldgs. (27 & 23).

1100hrs. Recommended that poly and work area be encapsulated before removal of poly.

1230hrs. Work crew clean up cal-bestos

1345hrs. General housekeeping activities continue.

1415hrs. Workcrew prepare to depart job site.

1430hrs. Depart job site. Trinidad [signature]

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 12/04/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : [illegible]

Abatement Area(s): Bldg. 37

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 12/04/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Tuesday [illegible]. On site. Delivered a copy of previous day job log to Johnny Morasco's desk.

0730hrs. CST work crew are cleaning up cal-asbestos. I've spotted some TSI debris in the south entry of bldg. 34. I brought it to the attention of Mauricio (CST workcrew foreman) who said he would take care of it.

0830hrs. Work activities continue. TSI debris is cleaned up.

0945hrs. Work activities continue.

1030hrs. Bldg. 37 is being demoed from south end.

1145hrs. Workcrew break for lunch.

1230hrs. Work activities resume. Workcrew will continue to wrap cal-asbestos panels as they become available from the demo activities.

1350hrs. Workcrew are removing some lights as requested by Johnny Morasco.

1415hrs. Workcrew prepare to depart for the day.

1430hrs. Depart job site. Tuesday [illegible]

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co.

Date : 12/05/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Tivolad

Abatement Area(s): Bldg. 37

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 12/05/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Tuesday. On site. Delivered copy of previous days job log to Johnny Morasco's (MDRC) desk.

0650hrs. The southern half of bldg. 37 has been leveled. CST workcrew are sorting out cal-sbestos panels.

0725hrs. I observed exposed fireproofing on the north half of bldg. 37 along the east side. The fireproofing observed on spotted areas on I-beams, top of roll up doors, and debris on floors has become exposed due to the removal of corrugated wall panels by the demo crew. I informed Todd (CST) of my observations. Todd said that as soon nas his crew is finished with the panels, they'd clean up the debris.

0830hrs. The demo crew are seperating cal-sbestos panels from other construction debris. CST workcrew remove the panels from the ~~work~~ demo area.

0945hrs. Removal of panels (cal-sbestos) continues.

1030hrs. Wok activities continue.

1145hrs. Wok crew break for lunch.

1230hrs. Wok resumes. Wokers begin clean up of

5851-1730

Client: MDRC

Date: 12/05/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

fireproofing debris.

1335hrs. Debris cleanup. I performed a visual.

1400hrs. Some areas are still in need of more detail clean up. Removal of fireproofing from beams will begin tomorrow.

1415hrs. Work crew prepare to depart.

1430hrs. Depart job site. Trinidad

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: McDonnell Douglas Realty Co. Date : 12/06/96

Location: Harbor Gateway, Torrance, CA Technician: TSR

Contractor: CST Signature : [signature]

Abatement Area(s): Bldg. 37 & 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____ Containment ____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 12/06/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [illegible]. Onsite. Delivered previous day's job log copy to Johnny Morasco's desk.

0650hrs. CST workcrew a finishing cleaning up fireproofing debris from NE area of bldg. 37. The rains from the previous day and during the night, has kept the debris material saturated.

0745hrs. Additional workcrew are on site and are wrapping cal-asbestos panels.

0845hrs. Two CST workers are preparing to remove fireproofing from beams.

0945hrs. Workers have been moved over to wrap and clean up cal-asbestos. Steve Long (FASE) is on site.

1015hrs. Reviewed current situation with Steve Long after a walk through of the job site. Steve Long will try and find Todd (CST) and discuss findings of walk through.

1025hrs. Todd is ~~on~~ at work site and we discussed Steve's findings

5851-1730

Client: MDRC

Date: 12/06/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

1130 hrs. Workers break for lunch.

1215 hrs. Work resumes. Workers continue to clean up cal-asbestos panels. Delivered bulk samples of core base from bldg. 29 to FASI lab.

1250 hrs. Johnny Morasco is on site. No work is presently in progress on removing fireproofing from bldg. 37.

1330 hrs. Workers clean up around bldg. 29.

1350 hrs. Johnny departs site. Work crew prepare to depart site.

1420 hrs. Depart job site. Trivalent

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: MDRC Date : 12/09/96

Location: Harbor Gateway, Torrance Technician: TSR

Contractor: CST Signature : [illegible]

Abatement Area(s): Bldg. 29

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

_____ Containment _____ Glove-bagging

- Perimeter Sealed _____
- Area HVAC Off _____
- Shower and Decon Installed _____
- Shower Water Filtered _____
- Respirator (Make & Model _____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 12/09/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Friday [illegible]. On site. Delivered Friday's copy of job log to Johnny Morasco's (MDRC) desk.

0645hrs. CST asbestos work crew are not on site. Fireproofing on beams of bldg. 37, NE area, has been removed.

0720hrs. Todd (CST foreman) on site. He said he, and his crew worked over the weekend and until 0100 hrs this morning. A second workcrew is due on site. Todd also stated that because the mastic remover was only available for the weekend of 12/7/96, they had to work. Also because of demo crew knocking down bldg. 37, the fireproofing needed to be removed.

0730hrs. CST workcrew begin to arrive on site.

0800hrs. Workcrew are inside containment, repairing poly, and bagging mastic and concrete debris. Mastic on perimeter remains to be removed.

0900hrs. Weekly meeting begins. Steve (FASI) on site.

1000hrs. Weekly meeting complete.

5851-1730

Client: MDRC

Date: 12/09/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

1120hrs. Steve (FASI) departs job site. Bag up of mastic debris continues in bldg. 29.

T.F.

1200hrs. Work crew decon out for lunch.

1230hrs. Work activities resume.

1330hrs. Debris bag up continues.

1430hrs. Debris is ~40% bagged.

1530hrs. Workcrew prepare to depart for the day.

1550hrs. Workcrew decon out of containment.

Sign off. Tudad

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: MDRC Date : 12/10/96

Location: Harbor Gateway, Torrance Technician: TSR

Contractor: CST Signature : [illegible]

Abatement Area(s): Bldg. 29,

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
X	Cleaning		Finals
	Finals		

II. WORK AREA

_____ Containment _____ Glove-bagging

- Perimeter Sealed _____
- Area HVAC Off _____
- Shower and Decon Installed _____
- Shower Water Filtered _____
- Respirator (Make & Model _____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

5851-1730

Client: MDRC

Date: 12/10/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [illegible]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0640hrs. CST workcrew are inside work area (bldg. 29) repairing containment. They will also begin to bag out. Rains from previous day has left puddles of water throughout bldg. 29.

0730hrs. Bag out continues in bldg. 29.

0820hrs. Informed Todd that some galsbestos sheet remain in bldg. 37. Also that galsbestos debris is laying around bldg. 37 when the sheets were removed.

0910hrs. Work crew continue to double bag debris and bag out. Some workers were observed not to have their respirators on. I advised workers to donn respirators and ~~advised~~ (T.R.) informed Todd of the situation.

1000hrs. Work activities continue.

1130hrs. Workcrew break for lunch.

1200hrs. Work resumes.

1330hrs. Debris in bldg. 29 is approximately 90% double bagged.

1430hrs. Workcrew prepare to decon out of work area.

Sign off Trinidad [illegible]

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: MDRC Date : 12/11/96

Location: Harbor Gateway, Torrance Technician: TSR

Contractor: CST Signature : Tirdal

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____ Air Sampling	X Inspection
____ Set-Up	____ Set-Up
____ Removal	X Removal
____ Cleaning	X Finals
____ Finals	

II. WORK AREA

____ Containment ____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

Client: MDRC Date: 12/11/96

Location: Harbor Gateway, Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trudad [signature]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0640hrs. Workers are inside of containment (bldg. 29) continuing with clean up of work area and bagging out. I am unable to run an air sample due to the wet conditions resulting from the continuing rains.

0750hrs. Work activities continue.

0825hrs. Todd has left the site for a meeting. Tom is on site who has replaced him for today.

0945hrs. Work activities continue inside containment.

1050hrs. Work is ~90% complete.

1130hrs. Work crew break for lunch.

1200hrs. Work activities resume.

1330hrs. Bag out of ~~bo~~ debris is nearly finished.

1425hrs. Work activities are complete. Work crew do some housekeeping before preparing to depart site.

1430hrs. Sign off. Trudad [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 12/12/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Trinidad

Abatement Area(s): Bldg. 29

I. JOB SCOPE

X Air Sampling
- ___ Set-Up
- ___ Removal
- ___ Cleaning
- X Finals

X Inspection
- ___ Set-Up
- ___ Removal
- X Finals

I. WORK AREA

___ Containment

___ Glove-bagging

- Perimeter Sealed ___
- Area HVAC Off ___
- Shower and Decon Installed ___
- Shower Water Filtered ___
- Respirator (Make & Model) ___

___

Differential Pressure Machines

- # of Machines ___
- Make & Model ___

___

- Visual Signs ___
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC Date: 12/12/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [signature] On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0640hrs. Entered bldg. 29 containment for a final visual

0720hrs. OKy'd containment and began final airs. Continues to rain today. Inside of containment is saturated with water. Was only able to run 2 samples.

0800hrs. Workcrew begin to remove windows ~~utilizing~~ utilizing a forklift to lift the windows from their frames.

0856hrs. Pulled air samples.

0915hrs. Air sampled at 0.001 f/cc & 0.002 f/cc. OKy'd teardown of poly. Reminded Todd to pick up gals bestos.

1030hrs. Removal of windows from bldg. 29 continues. Glass and ~~wire~~ putty debris are swept up as it is generated.

1130hrs. Work crew break for lunch.

1200hrs. Work activities ~~co~~ resume.

1345hrs. Window removal in bldg. 29 continues.

1435hrs. Work crew prepare to depart job site. Sign off.

Trinidad [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 12/13/94

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : [illegible]

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

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Client: MDRC Date: 12/13/96

Location: Harbor Gateway, Torrance

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [illegible]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0650hrs. CST asbestos workcrew are onsite and are working on removing windows from bldg. 29.

0730hrs. Clean up of debris is in progress around bldg. 29.

0820hrs. Was told be to the CST foreman that they are unable to remove windows Today because their forklift are not avaliable. One forklift was removed from site yesterday and the other forklift, no key is avaliable. CST workcrew will leave after they finish clean up.

0855hrs. Change in plans. CST foreman Tom arrives on site with key.

0925hrs. Pat (CST P.M.) is on site. I've informed him of the gal-sbestos panels in bldg. 37. He put a worker on collecting panels.

1015hrs. Removal of windows continues.

1145hrs. Wok crew break for lunch.

5851-1730

Client: MDRC

Date: 12/13/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

1220hrs. Work activities resume.

1320hrs. Removal of windows continues. Steve (FASI P.M.) on site. We discuss current situation.

1400hrs. Steve leaves site.

1420hrs. Work crew prepare to depart site. No weekend ~~work~~ work. Sign off.

Tudor

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 12/16/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : [signature]

Abatement Area(s): Bldgs. 29 & tower of 37.

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____ Containment

____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____

____

- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 12/16/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Arrive on site. Tundra [illegible]. Delivered a copy of Friday's job log to Johnny Morasco's desk.

0710hrs. Work crew are working in bldg. 29, continuing removal of windows. I've recommended to Jo (Foreman CST) to wet window before removal and clean up any remaining debris of window putty.

0825hrs. During the demolition of the N E tower of bldg. 37, fireproofing was uncovered and spilled onto the ground on the west side of the tower. It is unsafe for CST workcrew to clean up the spilled debris because the 1st floor support columns have been clipped from the southern 1/3 section. The 1/3 part of the bldg. now leans towards the west supported only by the former second floor. There is ~500 SF of spilled debris and several columns on the 4th floor are sprayed with the material.

0900hrs. Weekly meeting begins.

1035hrs. Meeting complete.

Client: MDRC

Date: 12/16/96

Location: Harbor Gateway, Torrance

III. SUMMARY OF WORK/PROJECT NOTES

1130hrs. Workcrew break for lunch

1200hrs. Work activities resume. Workcrew will begin to clean up spilled debris. They will wet it down, a scooper will be used to pick up debris and move it to one side to be bagged up. Clean up of window debris in bldg. 29 is in progress.

1330hrs. Clean up of debris continues in bldgs. 37 and 29 continue. Workers wet fireproofing before it is moved.

1420hrs. Work crew prepare to depart.

1430hrs. Sign off. [illegible]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 12/17/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : [signature]

Abatement Area(s): Bldg. 29 & 37 (tower)

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____

____

- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 12/17/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [signature]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0640hrs. CST workcrew are bagging firepaoofing debris that was collected onto a pile yesterday. I recommended to Thomis (CST foreman) to wet material at the base of the tower, that they were unable to collect because of safety hazards.

0730hrs. Bag up of debris continues.

0830hrs. Work activities continue.

0900hrs. Bag up activities are complete. Remainder of debris is wet. Work activities resume in bldg. 29. Workers will teardown poly, clean up general area and continue with window removal.

1000hrs. Work activities continue.

1130hrs. Work ~~activities~~ (T.R.) ~~resume~~ (T.R.) crew break for lunch.

1200hrs. Work activities resume.

1330hrs. Removal of windows continue.

1430hrs. Workcrew prepare to depart. Sign off.

Trinidad [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 12/18/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Tindad V

Abatement Area(s): Bldgs. 29 & appendage (bldg. 1)

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

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Job # 5851-1730

Client: MDRC

Date: 12/18/94

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [signature]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0700hrs. CST workcrew are currently glovebagging pipping in the appendage. Jo (CST foreman) is clean debris in and around bldg. 29.

0800 hrs. CST workcrew continue to glove bag and clean around bldg. 29.

0900hrs. Work activities continue.

1000hrs. Glovebag of all TSI in bldg.1 appendage is complete. Work continues in bldg. 29.

1100hrs. Work activities continue.

1130hrs. Work crew break for lunch.

1200hrs. Work activities resume. Windows are are before removal and barrier tape is up and drop cloth is down on floor.

1348hrs. Work activities continue.

1430hrs. Workcrew prepare to depart job site. Sign off. Trinidad [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 12/19/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Tindal

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

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Job # 5851-1730

Client: MDRC

Date: 12/19/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [illegible]. On site. Delivered a copy of yesterday's job log to Johnny Morasch's desk

0700hrs. CST workcrew continue with window removal from bldg. 29.

0740hrs. Observed gal-sbestos panels near sheet metal crusher. Informed to Todd (CST P.M.) of my observations. Also advised Todd to keep fireproofing debris at the base of bldg. 37 tower wet.

0830hrs. CST workcrew, Todd, has acquired the assistance of heavy machinary to push the upper section of windows in bldg. 29 onto the lower roof section.

0930hrs. Window removal continues. Windows are wet as they are removed.

1045hrs. Removal of the upper level windows is complete. Workers wet and lower sections of windows onto ground.

1130hrs. Work crew break for lunch.

1200hrs. Work activities resume.

1340hrs. Work activities continue.

1435hrs. Work crew depart job site. Sign off.

Trinidad [illegible]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 12/20/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Tirlad

Abatement Area(s): Bldg. 29

I. JOB SCOPE

_____ Air Sampling
_____ Set-Up
_____ Removal
_____ Cleaning
_____ Finals

_____ Inspection
_____ Set-Up
_____ Removal
_____ Finals

II. WORK AREA

_____ Containment

_____ Glove-bagging

- Perimeter Sealed _____
- Area HVAC Off _____
- Shower and Decon Installed _____
- Shower Water Filtered _____
- Respirator (Make & Model) _____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

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Job # 5851-1730

Client: MDRC

Date: 12/20/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Arrive on site. Tailgate [illegible]. Delivered a copy of yesterday's job log to the desk of Johnny Morasco.

0700hrs. Workcrew are lowering windows from bldg 29 lower roof section.

0800hrs. Tower of bldg. 37 is being demolished. I recommended to Todd (CST P.M.) to keep material wet. Also beams with fireproofing are being cut. The beams have been laid in a pile and are being wet.

0900hrs. Johnny Morasco is on site. I made same recommendation to Johnny.

1030hrs. Window removal continues.

1130hrs. Workcrew break for lunch.

1210hrs. Work resumes.

1330hrs. Lowering of windows is ~ 60% complete. Material is being kept wet.

1415hrs. Workers prepare to depart.

1430hrs. Sign off. Tailgate [illegible]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 12/23/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Tindad [signature]

Abatement Area(s): _____

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____ Containment ____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____
- Visual Signs _____
- Pressure Reading:

Time	Reading

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Job # 5851-1730

Client: MDRC

Date: 12/23/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Tindall [signature]. On site. Delivered a copy of Friday's job log to Johnny Morasco's desk.

0640hrs. Workers are in bldg. 29 cleaning window putty debris.

0710hrs. Workers have been moved over to where the I-beams from bldg. 37 tower are. They are washing off light fireproofing residue. The thicker layer of fireproofing will be removed inside of mini containments as stated by Todd (CST P.M.) and as written in CST's Procedure 5.

0815hrs. Beams are continued to be wet as they are loaded onto hauling trucks.

0900hrs. Weekly meeting begins.

1010hrs. Meeting is complete. CST work crew continue to work on beams.

1130hrs. Workers break for lunch.

1200hrs. Work resumes in bldg. 29. Remainder of windows are being removed.

1345hrs. Work activities continue.

1430hrs. Work crew prepare to depart. Sign off.

Tindall [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 12/24/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : [illegible]

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____

____

- Visual Signs ____
- Pressure Reading:

Time	Reading

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Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 • Telephone: 310/763-2374 Fax: 310/763-8684

Job # 5851-1730

Client: MDRC

Date: 12/24/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [signature]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0700hrs. CST work crew are removing windows from bldg. 29. No demolition activities are in progress.

0800hrs. Window removals continue.

0930hrs. Work activities continue.

1030hrs. Work crew clean up debris as they remove windows.

1145hrs. Work crew prepare to depart job site. Sign off. Trinidad [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 12/26/96

Location: Harbor Gateway, Torrance, CA

Technician: Steve Lay / T. Rodriguez

Contractor: CST

Signature : [signature]

Abatement Area(s): Bldg. 29 Window removal

I. JOB SCOPE

N/A Air Sampling
- ____ Set-Up
- ____ Removal
- ____ Cleaning
- ____ Finals

X Inspection
- ____ Set-Up
- X Removal
- ____ Finals

II. WORK AREA

N/A Containment

N/A Glove-bagging

- Perimeter Sealed N/A
- Area HVAC Off ✓
- Shower and Decon Installed N/A
- Shower Water Filtered N/A
- Respirator (Make & Model) ____

Differential Pressure Machines

- # of Machines N/A
- Make & Model N/A
- Visual Signs N/A
- Pressure Reading: N/A

Time	Reading

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Job # 5851-1730

Client: MDRC

Date: 12/26/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 - Steve Long of FASI on site. Workers continue removal of Bldg. 29 windows. Clean-up of debris and wrapping of windows previously removed is also occurring. No work in the area of Bldg. 37 today. CST has three workers and one supervisor on the site today.

0900hrs. Tundad [signature]. On site. Will relieve Steve (FASI). Delivered a copy of yesterday's job log to Johnny Morales's desk. CST work crew are currently removing windows from bldg. 29. Steve (FASI) departs after briefing me on current status.

1035hrs. Work activities continue.

1100hrs. Work crew break for lunch.

1140hrs. Work activities resume. CST workers are loading their equipment on a truck to be hauled to their Shop.

1210hrs. Work resumes on windows.

1330hrs. Work activities continue.

1425hrs. Work crew prepare to depart. Sign off.

Tundad [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 12/27/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : [signature]

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____ Air Sampling	X Inspection
____ Set-Up	____ Set-Up
____ Removal	X Removal
____ Cleaning	____ Finals
____ Finals	

II. WORK AREA

____ Containment

____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

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Job # 5851-1730

Client: MDRC

Date: 12/27/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [signature]. On site. Delivered a copy of yesterdays job log to Johnny Morasco's desk.

0700hrs. Work crew are removing windows from bldg. 29.

0800hrs. Work continues

0900hrs. A cement truck is on site in bldg. 29. CST workcrew help the electrition Jim pour cement onto conduit pipe in ditch.

1030hrs. Work resumes on removing windows. It has been raining all morning keeping window putty material wet.

1130hrs. Work crew break for lunch.

1200hrs. Work activities resume.

1330hrs. Removal of windows in bldg. 29 continues.

1430hrs. Workcrew prepare to depart. Sign off.

Trinidad [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 12/30/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : [illegible]

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

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Job # 5851-1730

Client: MDRC

Date: 12/30/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [signature]. On site. Delivered a copy of Friday's job log to Johnny Morasco's desk.

0700hrs. Work activities continue in bldg. 29. ~90% of all windows have been removed.

0800hrs. General clean up activities are presently in progress in bldg. 29.

0900hrs. Weekly meeting begins.

1000hrs. Weekly meeting is complete.

1100hrs. Work crew break for lunch.

1140hrs. Work activities resume.

1330hrs. Clean up around bldg. 29 continues.

1430hrs. Workcrew prepare to depart site. Sign Off.

Trinidad [signature]

Stephen Long's log

Client: McDonnell Douglas Realty Co. Date: 12/31/96

Location: Harbor Gateway Center - Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

At meeting CST repeited the following:

- Bldg. 37 collapsed unexpectedly this morning while demolition contractor was preparing for demolition but had not yet begun demolition.
- CST will notify SCAQMD of release at conclusion of meeting.
- John Payne of Ambient Environmental is on site as CST's Certified Asbestos Consultant and is collecting air samples.
- CST will check with their Asbestos Consultant for a recommendation regarding inspection of the roofs of buildings across 190th St. and will report back to MDRC.
- CST has HEPA vacs, generators and lights coming to the site, and expects to continue clean-up until 7pm.
- CST will work tomorrow, starting at 6AM.

MDRC indicated their insurance company had been notified of the incident. Meeting adjourned at 1:20pm.

1400 - Called FASI Hayward and Rancho Dominguez offices with updates of incident.

1410 - Pat Hussey of CST indicates SCAQMD and OES have been contacted, Building roofs across 190th St. checked, no debris.

1420 - Rain begins. Trinidad Rodriguez returns to site. Stephen Long off site.

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: MDRC Date : 12/31/96

Location: Harbor Gateway, Torrance Technician: TSR

Contractor: CST Signature : Trindad [signature]

Abatement Area(s): Bldg. 29, tower bldg. 37, Office Depot Parking Lot and adj. sidewalks

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____ Containment ____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

Job # 5851-1730

Client: MDRC

Date: 12/31/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Tundral [signature]. On site. Delivered a copey of yesterday's job log to Johnny Morasses's desk.

0700hrs. Work crew of three are working in bldg. 29. They are lowering windows from the lower roof and are setting up glovebags.

0800hrs. Work activities continue.

0910hrs. Bldg. 37 tower is leveled. Observed a cloud of dust move NW from demo activities, ~~across~~ across 190th St.

0915hrs. Walk over to demo site. Fireproofing debris was noted on demo debris, on side walk and across the ~~the~~ street in Office Depot parking lot.

0920hrs. Steve long (FASI PM) is on site. We walk the site to asses contaminated areas. Advised Mario (MDRC) of situation

0930hrs. Located Todd (CST P.M.) and ask for his response options. At the moment, he has three wokers sweeping streets and sidewalks.

0945hrs. Steve and I drive onto contaminated areas to ~~asses~~ asses extend of fireproofing.

Job # 5851-1730

Client: MDRC Date: 12/31/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1000hrs. Fireproofing debris is on sidewalks, base of curbs, on Office Depot parking lot, on car in parking lot, and extends back to the ~~foot~~ freeway. The debris is described as being "snow flocked" in the areas described above and filters out as it nears the freeway.

1005hrs. Mario (MDRC) is on site and is discussing situation with Steve (FASI P.M.).

1015hrs. Additional CST workmen arrive on site to clean up debris.

1100hrs. Clean up activities are in progress.

1120hrs. Began to collect bulk sample of debris remaining in parking lots and on streets. The majority of clean up is complete. 2 cars (L.P. #'s 3LeTA599 & 3JTW709) are still covered with debris dust.

1145hrs. One worker continues to clean up remainder of debris. Other workers are cleaning debris from the work site.

1200hrs. Break for lunch.

1230hrs. Return from lunch. Clean up activities continue.

Job # 5851-1730

Client: MDRC

Date: 12/31/96

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

1245hrs. Depart site to deliver bulk samples to FASI lab.

1320hrs. Informed Steve (FASI P.M.) of result. All 5 samples resulted in 25-30% asbestos.

1415hrs. Arrive on site. It has begun to rain. Will be unable to collect air samples. Clean up activities continue. CST work crew plan to work at Office Depot's parking lot after 5pm. when the store closes.

1545hrs. Work crew continue to wet demo debris. Rain has stoped. The majority of visible f.p. debris has been cleaned up.

1615hrs. Wok crew collect equip. and prepare to depart.

1645hrs. Inspect Office Depot parking lot.

1700hrs. Area was ~~clean~~ observed clean of ~~fire~~ fireproofing debris. Informed Steve (FASI) of my observations. Sign off.

Tundad

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: MDRC Date : 1/2/97

Location: Harbor Gateway Technician: TSR

Contractor: CST Signature : Trinidad V

Abatement Area(s): Bldg#. 29, 1' tower bldg. 37

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____ Containment ____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model ____

____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____

____

- Visual Signs ____
- Pressure Reading:

Time	Reading

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Job # 5851-1730

Client: MDRC

Date: 1/2/97

Location: Harbor Gateway, Torrance, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Tinlad [illegible]. On site. Delivered a copy of Tuesday's (12/30/96) job log to the desk of Johnny Morasco (MDRC).

0700hrs. CST workers are wrapping windows in bldg. 29. It has been raining throughout the night. The demo site is wet.

0800hrs. Though the demo area is wet, CST worker is wetting demo debris at tower 37 as the material is sorted by heavy machinery. Johnny and Mario (MDRC) briefly drive through work areas.

0910hrs. Work activities continue.

1000hrs. Johnny is on site. Work activities continue. It has stopped raining.

1115hrs. Work continues in bldg. 29. Remainder of windows are being removed.

1130hrs. Workers break for lunch.

1200hrs. Work activities resume

1300hrs. Workers continue to remove windows from bldg. 29.

1425hrs. Workers prepare to depart site. Sign off.

Tinlad [illegible]

Forensic Analytical

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: MDRC Date : 01/03/97

Location: Harbor Gateway Technician: TSR

Contractor: CST Signature : Tindal

Abatement Area(s): Bldg. 29, tower bldg. 37.

I. JOB SCOPE

____ Air Sampling	X Inspection
____ Set-Up	____ Set-Up
____ Removal	X Removal
____ Cleaning	____ Finals
____ Finals	

II. WORK AREA

____ Containment ____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model ____

____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____

____

- Visual Signs ____
- Pressure Reading:

Time	Reading

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Client: MDRC Date: 01/03/97

Location: Harbor Gateway

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Tudal [illegible]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0700hrs. Workcrew continue to remove windows from bldg. 29. One worker is wetting building debris with fireproofing from tower 37.

0800hrs. Construction earth work is being done north of bldg. 29 (south end of former bldg. 67). Transite pipe was uncovered. Heavy machinery is pulling the pipe out and setting it aside. Material and earth is wet from continuing rain of previous day.

0930hrs. Work activities continue.

1020hrs. Steve (FASI P.M.) is on site. We walk site.

1110hrs. Steve departs site. Recommended to Todd to have exposed fireproofing covered with poly for over the weekend.

1130hrs. Workcrew break for lunch.

1200hrs. Work activities resume. Workers are wrapping exposed fireproofing on I-beams with poly.

1330hrs. Work activities are in bldg. 29. Windows are being removed and wrapped.

1430hrs. Workcrew departs - Sign off. [illegible]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 01/06/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Tirudad

Abatement Area(s): Bldg. 29, Bldg. 1 appendage, bldg. 37 tower

I. JOB SCOPE

X Air Sampling
- ___ Set-Up
- X Removal
- ___ Cleaning
- ___ Finals

X Inspection
- ___ Set-Up
- X Removal
- ___ Finals

II. WORK AREA

___ Containment

___ Glove-bagging

- Perimeter Sealed ___
- Area HVAC Off ___
- Shower and Decon Installed ___
- Shower Water Filtered ___
- Respirator (Make & Model) ___

___

Differential Pressure Machines

- # of Machines ___
- Make & Model ___

___

- Visual Signs ___
- Pressure Reading:

Time	Reading

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Client: MDRC Date: 01/06/97

Location: Harbor Gateway

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [illegible]. On site. Delivered a copy of Friday's (01/03/97) job log to the desk of Johnny Morasco (MDRC).

0700hrs. 2 workers are prepping area around the bldg./appendage. 1 worker is wetting exposed fireproofing.

0730hrs. Poly is laid on the outside of the appendage. 1 worker is wetting the gal-sbestos as a bulldozer with an extending arm pushes the panels outward falling onto the poly.

0830hrs. Work on the appendage has stoped because CST has not polyed area exposed to occupied area. Workers are prepping the sections.

0900hrs. Weekly meeting begins.

1030hrs. Meeting is complete. CST workcrew continue to work in bldg./appendage. Gal-sbestos panels are being kept.

1130hrs. Workers break for lunch.

1200hrs. Work resumes. Appendage panels continue to be removed. (~90% complete).

1330hrs. Work activities continue. Fireproofing is

5851-1730

Client: MDRC

Date: 1/6/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

being kept wet and panel are orginized onto piles to be wrapped

1425 hrs. Workers prepare to depart. Sign Off.

Tindad [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/7/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : [illegible]

Abatement Area(s): Bldg. 29, bldg. 1 appendage

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____

____

- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC Date: 1/7/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Tindad [signature]. On site. Delivered a copy of yesterday's job log to Johnny Morascal (MDRC) desk. ~~Dur~~ T.R. On 1/4/97, CST workcrew came on site and removed TSI along the west wall of bldg. 29. The TSI along the east wall remains.

0700hrs. Removal of gal-sbestos panels from bldg. 1 appendage is complete. Workcrew are gathering panels, moving them with the other waste and wrapping the panels with poly.

0800hrs. Work continues in bldg. 1 appendage.

0950hrs. Clean up activities at bldg. 1 appendage is complete. Work begins in bldg. 29.

1045hrs. Work activities continue in bldg. 29. Windows are being lowered from the east side lower roof, and are being wrapped.

1130hrs. Work crew break for lunch.

1200hrs. Work activities resume.

1345hrs. Windows continue to be lowered and wrapped in poly. Inspected piping where TSI was removed.

1425hrs. Work crew prepare to depart site. No debris was observed during my inspection. Sign off.

Tindad [signature]

Forensic Analytical

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/08/96 (TR)

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Trinidad

Abatement Area(s): Bldg. 29, tower 37 debris

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____

____

- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/08/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Tuesday [illegible]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0700hrs. CST work crew are clean around bldg. 29.

0720hrs. Workcrew begin to wrap transite pipe in poly and deposit the waste with the other material waste.

0800hrs. Workcrew have finished with the transite pipe and have begun removal of flexjoints in bldg. 29. One worker is setting up a poly containment to remove the fireproofing from I-beams at bldg. 37 rubble.

0850hrs. While workcrew were dropping AC units to remove flex joints, the NW corner water supply was still active, ~~and~~ the attached pipe broken, spraying water.

0910hrs. Todd, Johnny, and Security are at bldg. 29 locating the water shut off valve.

0930hrs. Water supply is shut off.

1015hrs. Flexjoint removal and clean up of debris continues.

1100hrs. Work activities of flex joint is complete.

1130hrs. Work crew break for lunch.

1200hrs. Work activities resume. Work crew begin set up

5851-1730

Client: MDRC

Date: 1/08/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

of mini containment.

1320hrs. Workcrew have set up a kind of simi mini containment. The poly is draped over I-beam sections being worked on. Workcrew states this type of set up allows them to move I-beams with forklift. Fireproofing is saturated with water as it is removed. One worker continues to wet building debris material as the debris is sorted.

1445hrs. Workcrew clean up work area before departing for the day.

1500hrs. Sign off. Trinidad

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/09/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Trinidad [illegible]

Abatement Area(s): Bldg. 29, bldg. 37 debris

I. JOB SCOPE

X	Air Sampling	X	Inspection
	Set-Up		Set-Up
X	Removal	X	Removal
	Cleaning		Finals
	Finals		

II. WORK AREA

	Containment		Glove-bagging

- Perimeter Sealed _____
- Area HVAC Off _____
- Shower and Decon Installed _____
- Shower Water Filtered _____
- Respirator (Make & Model) _____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC Date: 1/09/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trudad [signature]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0700hrs. Todd (CST P.M.) is not on site. The only worker is Jose who is presently removing corebase from bldg. 29. Further inspection of bldg. 37 debris revealed fireproofing debris. Also additional fireproofing was removed without my knowledge (possibly, after my depart yesterday). In bldg. 29, the base of support beams have been cut which may bring up safety hazards. TSI removal and clean up of window putty debris on the lower level needs to be done.

0800hrs. Pointed out to Jose areas of fireproofing debris and gal-sbestos in need of immediate removal.

0830hrs. Observed transite pipe and debris that has not yet been removed from the dirt pile NW of bldg. 29.

0900hrs. Mario and Johnny are on site. Johnny inquired about bulk samples results from yesterday. Said I did not know and I would check with the lab.

0930hrs. Todd (CST) arrives on site. Additional workers arrive on site (3).

5851-1730

Client: MDRC

Date: 1/09/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0945hrs. Additional wokers are removing TSI from bldg. 29.

1110hrs. Observed wokers in bldg. 29 spot abating TSI every 4 ft. with the ~~glov~~ glove bag open at top and attached at ends to pipe so as to slide it accross the pipe. No wet removal was observed. I informed Todd of my observation and said that he would correct the problems. As TSI is spot abated, the ~~FST~~ exposed TSI is wrapped with duct Tape. The bare section of the pipe cut via torch, droped to the floor and burrito wrapped.

1135hrs. Wokers in bldg. 29 have started attaching individual glovebags every ~10' for spot abatement.

1200hrs. Workcrew break for lunch.

1230hrs. Work activities resume. Bldg. 29, workers continue TSI removal. Bldg. 37 debris, 1 worker continues to wet debris.

1345hrs. Wok activities continue.

1415hrs. Wokcrew clean up to depart.

1430hrs. Wokcrew depart. Sign Off.

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/10/97 T.R.

Location: Harbor Gateway, Torrance, CA

Technician: TSR.

Contractor: CST

Signature : [signature]

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/10/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Tundad [illegible]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0650hrs. Demolition has started in the N. end of bldg. 29. 3 window frames are still present that is are being demoed with the bldg. 2 workers are on the lower roofs sweeping putty debris. ~~Z~~ 2 other workers continue to remove TSI in the S. half, east side of the bldg. 1 worker is wetting bldg. 37 debris.

0745hrs. Removal of TSI continues. Clean up of window debris also continues on the lower roofs of bldg. 29.

0850hrs. Work activities continue.

1000hrs. CST truck arrives on site to haul off equip. Todd stated earlier that Jo will be here tomorrow (Sat.) to wet bldg. 37 debris. Also that window removal from the S. end of bldg. 29 may be removed.

1100hrs. Work activities continue.

1130hrs. Workers break for lunch.

1200hrs. Work activities resume. Workers continue in bldg. 29, cutting pipe and cleaning up window putty. Demo of the northern part of bldg. 29 continues.

5851-1730

Client: MDRC

Date:

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

1300hrs. Pat Hussey is on site. Workcrew for tomorrow will finish wrapping TSI and continue with clean up of gen. area.

1330hrs. Demo activities have stopped to allow pipe workcrew to cut pipe valve N. of bldg. 29.

1430hrs. Workcrew prepare to depart. Sign off.

Trinidad V

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/12/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : [illegible]

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	X	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____

____

- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/17/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0830hrs. Trinidad [signature]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0900hrs. Met with Jose (CST Foreman) who state that for today, they will finish cut down piping wrapped in TSI. 2 other workers arrive on site.

0930hrs. Workers begin by lowering and burrito wrapping pipe sections of TSI that were cut on Friday.

1045hrs. Wrapping of pipe sections continue in bldg. 29.

1150hrs. Workers are now cutting remainder of pipe section still hanging from the ceiling.

1230hrs. Work activities continue. One worker cleans up debris as others continue to burrito wrap pipe sections.

1330hrs. Cutting of pipe" continues.

1445hrs. No demo activities have been in progress. CST workers continue with clean up and wrapping.

1530hrs. Workers are loading wrapped pipe sections into a dumpster. Clean up nears completion.

1620hrs. One worker begins removal of a window located on the NW area of bldg. 29.

1715hrs. Work crew are finishing with clean up of window debris.

1730hrs. Workers depart for the evening. Sign off.

Trinidad [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/13/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : [illegible]

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____

____

- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/13/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Tundal [illegible]. On site. Delivered a copy of Saturday's job log to Johnny Morasco's desk.

0700hrs. Jose and Pat (CST) are on site. Jo states that 2 more beams covered with fireproofing have been uncovered in tower 37 debris. For now he will wrap material in poly and perform a containment removal when it stops raining. Jo is the only worker on site. Jose put in numerous hours on Sat. & Sun. (as stated by Pat) with the plumbers and will therefore take tomorrow off. Another supervisor will be here on site and it will only be him.

0800hrs. Asbestos activities will be minimal today. MDRC reps ~~on~~ are on site to test soil in pit.

0900hrs. Johnny, Mario, and reps are ~~sol~~ still on site.

0930hrs. Weekly meeting begins.

1030hrs. Weekly meeting is complete. CST worker (Jose) is doing general ~~ho~~ housekeeping.

1100hrs. Break for lunch.

1130hrs. Work activities resume.

1230hrs. CST worker wets fireproofing and wraps material in poly.

5851-1730

Client: MDRC

Date:

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

1352hrs. No containment set up. Demo activities continue in bldg. 34. Jose states that wood flooring with mastic will be disposed of as non-friable.

1430hrs. Work crew departs. Sign off. Finished

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/14/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Trinidad [illegible]

Abatement Area(s): Tower 37 debris, bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/14/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [illegible]. Arrive on site. Delivered a copy of yesterday's job log to Johnny Morsdco's desk.

0700hrs. Met up with Jose who introduced me to Sesto. Sesto will be here two days to cover for Jose who'll be off.

0800hrs. Jose will be here for half day to show Sesto around. Today work activities include, finish clean up of window putty by bldg. 29, wrap exposed fireproofing on I-beams, begin set up of containment at the I-beams and clean up fireproofing debris at bldg. 37 debris as ~~posted~~ pointed out by me.

0930hrs. Work activities continue.

1000hrs. Jose departs.

1100hrs. Work activities continue.

1130hrs. Break for lunch.

1200hrs. Work activities continue.

1230hrs. Mario, Johnny (MDRC) and Steve (FASI) are on site and review current activities

1305hrs. Mario, Johnny (MDRC), and Steve (FASI) depart.

1430hrs. Work crew departs job site. Sign off.

Trinidad [illegible]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/15/96

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Timothy [illegible]

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____

____

- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/15/96

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Tindal [illegible]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0700hrs. Wok crew consists of two people. The foreman is Sesto. The workers are wrapping some windows at bldg. 29.

0800hrs. Wok activities continue. It has been raining constantly for the past hour.

0930hrs. Workers continue to work in the rain. Some demolition activities are in progress.

1020hrs. Foreman Sesto states that they are unable to continue to work in the rain.

1045hrs. Workers depart site.

1130hrs. Sign off Tindal [illegible]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/16/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Trinidad

Abatement Area(s): Bldg. 29, tower 37 (fireproofing)

I. JOB SCOPE

____ Air Sampling	X Inspection
____ Set-Up	X Set-Up
____ Removal	X Removal
____ Cleaning	____ Finals
____ Finals	

II. WORK AREA

____ Containment

____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/16/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [signature]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0700hrs. Sesto (foreman) and one other worker are on site. They will be setting up containment at the fireproofing I-beams at tower 37 debris.

0800hrs. Set up of poly continues.

0930hrs. Work activities continue.

1030hrs. Workers begin removal of fireproofing

1130hrs. ~~Work~~ T.R. Removal activities are complete. Work area is encapsulated.

1150hrs. Begin final air sample.

1200hrs. Break for lunch.

1240hrs. Work activities resume. Workers begin to remove remainder of transite piping on the S. end of bldg. 61.

1310hrs. Pulled air samples.

1340hrs. Air samples resulted in 0.002 f/cc. OKy'd teardown of poly.

1410hrs. Transite pipe is wrapped and stored with other material. Workers begin teardown of poly containment.

1430hrs. Workers prepare to depart. Sign off.

Trinidad [signature]

[signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/17/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Tindad

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____ Air Sampling	X Inspection
____ Set-Up	____ Set-Up
____ Removal	X Removal
____ Cleaning	____ Finals
____ Finals	

II. WORK AREA

____ Containment

____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/17/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0800hrs. Tindal [signature]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0700hrs. The only worker is Jose. He states that he'll clean up some general areas. Will wait for vents to be moved.

0830hrs. Demo activities continue in bldg. 29.

0930hrs. Work activities continue.

1030hrs. Vents have not yet been moved.

1130hrs. Other work activities continue.

1230hrs. Work crew brief break for lunch.

1300hrs. Work activities resume. Jose has sorted some roofing material from bldg. 34.

1400hrs. Work activities continue.

1430hrs. Jose departs site. Sign off.

Tindal [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/20/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Trinidad

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/20/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [illegible]. On site. Delivered a copy of Friday's job log to Johnny Morasco's desk.

0700hrs. Demo of bldg. 29 continues. ~ 8 ~~seams~~ vents remain. (T.R.) CST foreman is Jose. He awaits for vents to come down. Vents on floor are off to one side.

0815hrs. Work activities continue.

0900hrs. Weekly meeting begins.

1010hrs. Meeting is complete.

1130hrs. CST workers break for lunch.

1200hrs. Work activities resume. Demo activities continue in bldg. 29. Crusher is on site, set up, and are crushing cement debris.

1300hrs. Vents from bldg. 29 are off to one side away from work area. Vents are not wrapped in poly.

1420hrs CST (Jose) departs. Sign off.

Trinidad [illegible]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/21/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Trinidad

Abatement Area(s): _____

I. JOB SCOPE

_____ Air Sampling
- _____ Set-Up
- _____ Removal
- _____ Cleaning
- _____ Finals

_____ Inspection
- _____ Set-Up
- _____ Removal
- _____ Finals

II. WORK AREA

_____ Containment

_____ Glove-bagging

- Perimeter Sealed _____
- Area HVAC Off _____
- Shower and Decon Installed _____
- Shower Water Filtered _____
- Respirator (Make & Model) _____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/21/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0800hrs. Trinidad [illegible]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0700hrs. Jose is the only CST rep. today.. & Demo of bldg. 29 is nearly complete. All vents are down and off to the sides & so as to not get buried with other bldg. debris.

0800hrs. Found some fireproofing debris by the NE water tank and RR tracks. I pointed the areas out to Jose who said he'd clean the areas.

0900hrs. Brick bldg. 3 is down.

1030hrs. Work activities continue.

1130hrs. Lunch break.

1200hrs. Work activities resume. Jose (CST) finishes clean up of fireproofing debris.

1330hrs. Work activities continue.

1430hrs. Depart Site. Sign off. Trinidad [illegible]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/22/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Tridad [illegible]

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____

____

- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/22/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [signature]. On site. Delivered a copy of yesterday's job log to Johnny Morac's desk.

0700hrs. Jose CST is on site. He's awaiting for vents to be moved to one side to be wrapped. It has been raining lightly. If it rains harder, Jose says he'll depart because no work can be done in the rain. Fence Co. is repairing fence at appendage.

0800hrs. Demo. activities and sorting of debris continues in bldg. 29. Central portion of bldg. is down.

0930hrs. Work activities continue. Jose is lower remainder of gal-bestos panels protruding from bldg. 1 (former appendage).

1030hrs. Gal-sbestos panels are removed.

1130hrs. Break for lunch.

1200hrs. Work activities resume.

1300hrs. General clean up activities are in progress.

1430hrs. Fence co. is finishing with their set up. Sign off.

Trinidad [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/23/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : [signature]

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____

____

- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/23/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [signature]. On site. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0700hrs. It has been raining. Met with Jose (CST) who states that no work will be done today because of the rain. Several drains are plugged.

0800hrs. It has stopped raining work activities are in progress. Johnny (MDRC) is on site.

0900hrs. Bldg. 29 debris is being sorted. Pat (CST) is on site.

1030hrs. Work activities continue

1130hrs. Break for lunch.

1200hrs. Work activities resume. Pat is off site.

1300hrs. Jose (CST) does some general clean up and collects some equipment.

1430hrs. CST departs. Sign off. Trinidad [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/24/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Tindal

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/24/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. On site. Trinidad [signature]. Delivered a copy of yesterday's job log to the desk of Johnny Morasco.

0700hrs. CST, Jose, is on site and will continue to move vents from bldg. 29 debris.

0830hrs. Work activities continue.

0930hrs. Johnny Morasco (MDRC) has been on site.

1030hrs. Todd and CST president are on site.

1130hrs. Break for lunch.

1200hrs. Work activities resume. Jose is sorting out remainder of windows from the S. end of bldg. 29.

1330hrs. Work activities continue.

1420hrs. CST departs job site. Sign off. Trinidad [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/27/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Trinidad

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/27/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Tridad [illegible]. On site. CST Jose is on site. Work activities for today include removing one final window from the south end of bldg. 29 and two more vents on the norther end of bldg. 29.

0700hrs. Pat (CST) & Johnny are on site.

0805hrs. Work activities continue. Jose is moving vents.

0900hrs. Weekly meeting begins.

1020hrs. Weekly meeting is complete.

1030hrs. Steve (FASI P.M.) is on site. Jose is wrapping vents with poly. Vents have been flattened (run over with heavy machinery) for ease of wrapping procedures.

1100hrs. Steve departs.

1130hrs. Lunch break.

1200hrs. Work activities resume.

1330hrs. Jose continues to wrap vents.

1415hrs. Debris and general area is cleaned up.

1430hrs. Depart site. Sign off. Tridad [illegible]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/28/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Tindal

Abatement Area(s): Bldg. 29, bldg. 58, bldg 67 (guard shack)

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

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Client: MDRC Date: 1/28/97

Location: McDonnell Douglas, Harbor Gateway

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Tuesday. On site. Delivered a copy of Friday's and yesterday's job log to Johnny Morales's desk.

0700hrs. Jose (CST) and 2 other workers on site and are wrapping vents at bldg. 29.

0830hrs. Work activities continue.

0900hrs. Work crew begin to remove gal-asbestos panels from bldg. 58.

1000hrs. CST needs for Marti (NASDI) to remove his stored equipment from bldg. 58 before CST can continue with panel removal. CST begin to relocate wrapped vents to west of their trailer

1030hrs. CST's forklift gets stuck in the mud.

1100hrs. With my ~~half~~ help and help of an other "Bobcat", we try and free forklift.

1130hrs. Unsuccessful. CST begins poly set up on bldg. 67 (guard shack).

1200hrs. Lunch break.

1230hrs. Work activities resume. Steve (FASI) was on site and observed gal-asbestos-paint flakes north of bldg. 1 (McDonnell Douglas side). Jose (CST) was advised of observations.

5851-1730

Client: MDRC

Date: 1/28/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

1300hrs. Removal activities are complete at bldg. 67. Work crew are clean up debris. Jose states that will clean up debris first thing tomorrow morning.

1350hrs. clean up activities continue in and around bldg. 67.

1420hrs. A-bags and trash is moved to adj. bldg. 29.

1430hrs. CST departs site. Sign off. Tudad

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/29/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Tridad V

Abatement Area(s): Bldg. 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/29/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Trinidad [signature]. Onsite. Delivered a copy of yesterday's job log to Johnny Morasco's desk.

0700hrs. Jose is on site today. Has freed ~~his~~ the forklift from the mud and is cleaning debris from the north end of bldg. 1.

0800hrs. Jose is gathering equip. from this trailer office. The trailer is due to be hauled away by the end of the week.

0930hrs. Work activities continue.

1100hrs. Break for lunch.

1130hrs. Work activities resume.

1230hrs. Jose is load debris bags onto ~~truck~~ T.R. rail box.

1330hrs. Work activities continue.

1350hrs. Pat, CST, is on site and is move furniture from CST's trailer.

1430hrs. CST departs. Sign off. Trinidad [signature]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 01/30/97

Location: Harbor Gateway, Torrance, CA

Technician: RDM

Contractor: CST

Signature :

Abatement Area(s): BLDG 58 (S. END AREA, SIDING CLEAN-UP)

I. JOB SCOPE

N/A Air Sampling
- ____ Set-Up
- ____ Removal
- ____ Cleaning
- ____ Finals

N/A Inspection
- ____ Set-Up
- ____ Removal
- ____ Finals

II. WORK AREA

____ Containment

____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 01/30/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600 ARRIVE ON SITE. TSR IS OFF WORK TODAY, I AM REPLACING HIM FOR THE DAY. I MEET JOSE (CST) AT GATE. WE PROCEED TO WORK AREA (S. END OF BLDG 58).

0640 AT ~~OF~~ RDM FIELD OFFICE, I DELIVER COPY OF YESTERDAY'S JOB LOG TO JOHNNY MOROSCO'S DESK.

0710 JOSE MOVING REMOVED GALBESTOS SIDING PIECES FROM BLDG 58 AREA TO OPEN ~~SPACE~~ RDM ADJ SPACE IN ORDER TO WRAP AND LABEL. JOSE ~~IS~~ RDM IS WEARING PPE (½ FACE, TYVEK, HARD HAT)

0830 MARTY (DEMO CONTRACTOR) TELLS JOSE THAT A WATER LINE HAS BEEN BROKEN, AND ASKS HIM TO CONTACT ~~GUARD~~ RDM GUARD TO SHUT OFF WATER. BROKEN RISER IS NEAR N.W. CORNER OF BLDG 36. JOHNNY MOROSCO IS ON SITE, PROCEEDING TO AREA OF BROKEN LINE.

0900 WATER SHUT OFF; AREA FLOODED, BUT DRAINING.

0930 PAT HUSSEY (CST) ON SITE, AT FLOODED AREA DISCUSSING SITUATION WITH MARTY. (ASBESTOS WORK IS HALTED SO JOSE CAN ASSIST)

1020 LUNCH BREAK

1100 WORK RESUMES ON GALBESTOS MOVING/WRAPPING PREP NEAR BLDG 58. JOSE IS IN PPE. AS EARLIER, HE IS WORKING ALONE.

1145 PAT HUSSEY DEPARTS SITE.

5851-1730

Client: MDRC

Date: 01/30/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

1310 WORK CONTINUES ON BLDG 58 GALBESTOS SIDING.

1430 JOSE (CST) DEPARTING, I DEPART SITE.

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 1/31/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : [signature]

Abatement Area(s): Bldg. 58 & 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____
- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 1/31/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600hrs. Tundad [illegible]. On site. Delivered a copy of yesterday's job log to Johnny Morasso's desk.

0700hrs. Jose (CST) is on site. States that he'll continue to removal gal-sbestos panels from bldg. 58. Also states that he has requested help of another worker from his office.

0830hrs. Jose continues to collect panels from bldg. 58.

0945hrs. Pat (CST) is on site.

1030hrs. Pat departs site. Demo of bldg. 36 has begun.

1130hrs. Vents are being lowered from roof top of bldg 36. Break for lunch.

1245hrs. Jose has moved vents from bldg. debris. 2 panels remain at bldg. 58.

1345hrs. Jose continue to wrap some gal-sbestos panels and perform some general debris clean up.

1420hrs. CST Departs.

1430hrs. Sign off. Tundad [illegible]

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : ~~1/3~~ TR 2/3/97

Location: Harbor Gateway, Torrance, CA

Technician: TSR

Contractor: CST

Signature : Timothy R

Abatement Area(s): Bldg. 58.

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____ Containment

____ Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

_____

Differential Pressure Machines

- # of Machines _____
- Make & Model _____

_____

- Visual Signs _____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC

Date: 2/3/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0700hrs. Tindal [illegible]. On site. Delivered a copy of Friday's Job log to Johnny Morasco's desk

0700hrs. Jose (CST) is on site. He will be finishing wrapping panels from bldg. 58 in poly. Two panels remain attached to frame of 58.

0815hrs. Jose was able to pull one panel off. The other Jose states is difficult to remove because of standpipe adj. to panel.

0900hrs. Weekly meeting begins.

0935hrs. Weekly meeting is complete.

1000hrs. Jose continues to wrap panels and the two vents from bldg. 36. Some of the wrapped panels are being moved to the rail cars.

1130hrs. Lunch break.

1200hrs. Work activities resume.

1240hrs. Panels and vents are wrapped. Jose states that he will depart shortly because of personal business. I pointed out areas of cal-asbestos debris to Jose. He states that he'll clean up the areas first thing tomorrow morning and will also bring an electric saw to cut the remaining panel from bldg. 58. Page Steve (FASI P.M.) to

5851-1730

Client: MDRC

Date: 2/3/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

inform him of current situation

1315hrs. Unable to ~~locate~~ locate Steve.

1330hrs. Depart site. Tindall [illegible]. Will leave a copy of today's log ~~&~~ on Johnny Marasco's desk.

Forensic Analytical

Job # 5851-1730

ASBESTOS ABATEMENT DAILY ONSITE INSPECTION LOG

Client: Mc Donnell Douglas

Date : 2/4/97

Location: Harbor Gateway, Torrance, CA

Technician: Trinidad Rodriguez

Contractor: CST

Signature : Trinidad R

Abatement Area(s): Bldg. 58 & 29

I. JOB SCOPE

____	Air Sampling	X	Inspection
____	Set-Up	____	Set-Up
____	Removal	X	Removal
____	Cleaning	____	Finals
____	Finals		

II. WORK AREA

____	Containment	____	Glove-bagging

- Perimeter Sealed ____
- Area HVAC Off ____
- Shower and Decon Installed ____
- Shower Water Filtered ____
- Respirator (Make & Model) ____

____

Differential Pressure Machines

- # of Machines ____
- Make & Model ____

____

- Visual Signs ____
- Pressure Reading:

Time	Reading

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5851-1730

Client: MDRC Date: 2/4/97

Location: HARBOR GATEWAY, TORRANCE, CA

III. SUMMARY OF WORK/PROJECT NOTES

0600ms. Trinidad [signature]. On site.

0700ms. Jose (CST) is on site. He states that he'll be cleaning up cal-sbestos debris and removing final panel from bldg. 58 with a power saw.

0830ms. Jose continues to clean up debris. He stated that "Gunther Co." are the ones who load wrapped material onto the rail cars.

0930ms. Work activities continue.

1030ms. Final panel from bldg. 58 has been removed.

1130ms. Material wrapped, general area is cleaned up. Break for lunch.

1200ms. Work activities resume.

1230ms. Pat is on site and walks the area with Jose.

1300ms. Wrapped material is being moved to the area adj. the rail cars.

1340ms. Moving of wrapped material is complete. Jose will collect 1 remaining window from the south end of bldg. 29.

1420ms. Material (window) is wrapped and put into ~~box~~ dumpster.

1430ms. CST Departs. I will leave a copy of this job log on Johnny Morasco's desk. Sign off.

Trinidad [signature]

Forensic Analytical