



S201-40-410-04
Task 1- Review of Previous Surplus II Hazardous Materials Studies
27 Buildings
Seaside, California



Prepared for:
FORA
920 2nd Ave, Suite A
Marina, CA 93933

Prepared By:
Vista Environmental Consulting
2984 Teagarden Street
San Leandro, CA 94577

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EXECUTIVE SUMMARY

Vista Environmental Consulting (Vista) reviewed available Army hazardous materials reports for the 27 buildings of Surplus II, Seaside, California (Project Site). Vista performed the review from February 8 to 12, 2016. The review consisted of a document search on the Base Realignment and Closure (BRAC) website <http://fortordcleanup.com/>, a link to Surplus II asbestos reports provided by the Fort Ord Reuse Authority (FORA), and a site visit to the BRAC office in Seaside, California.

The document search found Asbestos Survey Report Building Summaries from the Corps of Engineers for the Fort Ord Installation for all Surplus II buildings except RP4456. These reports were written by Diagnostic Engineering, Inc., Project No.1A2141AB001. The field work for these reports was performed in 1992. No other hazardous materials reports were discovered.

The Hazardous Materials Summary Table for each building can be found in *Appendix A – Building Data*.

Respectfully Submitted,
Vista Environmental Consulting



Christopher R. Burns
Senior Project Manager
CAC #92-0224
LRCIA #663

1.0 INTRODUCTION

At the request of Fort Ord Reuse Authority (FORA) Vista Environmental Consulting (Vista) researched and reviewed all available previous reports and/or data associated with hazardous materials inventories associated with the 27 buildings of Surplus II, Seaside, California (Project Site). The purpose of the research was to summarize historic data available for use and consideration to make informed decisions during future comprehensive hazardous materials assessments planned by FORA and to be executed by Vista in the near future.

2.0 BACKGROUND

Fort Ord is a former United States Army post on Monterey Bay of the Pacific Ocean coast in California, which closed in 1994. Before construction and official designation as a fort in 1940, the land was used as a maneuver area and field-artillery target range during 1917. The 7th Infantry Division was its main garrison for many years. The Army left behind approximately 1,600 buildings ranging in age from the early 1900's to the late 1980's. Many of the buildings are currently in a state of disrepair. These buildings are set for demolition in an effort to redevelop the area.

The following 27 buildings comprise the Surplus II Project Site:

Hammerhead Buildings	Rolling Pin Buildings	Administration Buildings	Armory Buildings	Cafeteria Building
Historically used as enlisted personnel barracks with and without dining	Historically used as enlisted personnel barracks	Historically used as offices and classrooms	Historically used for administrative and supplies	Historically used as kitchen and enlisted personnel dining facility
Concrete and concrete block construction	Concrete and concrete block construction	Concrete block construction	Concrete block construction	Concrete block construction
Built 1954	Built 1970	Built 1954	Built 1970	Built 1970
HH4430	RP4451			
HH4432	RP4452	AD4408		
HH4434	RP4454	AD4418		
HH4436	RP4456	AD4438	AR4450	
HH4440	RP4457	AD4448		
HH4442	RP4466	AD4550	AR4458	CF4453
HH4444	RP4467	AD4560		
HH4446	RP4469			
	RP4471			
	RP4472			

3.0 METHODOLOGY

Vista performed the document search and review from February 8 to 12, 2016. The review was conducted by Christopher Burns (#92-0224) a State of California Division of Occupational Safety and Health (Cal/OSHA) Certified Asbestos Consultant and a State of California Department of Public Health (CDPH) certified Lead Inspector/Assessor (LRCIA #663).

The following repositories were searched for hazardous materials information on the 27 buildings of Surplus II:

- Base Realignment and Closure (BRAC) website: website <http://fortordcleanup.com/>
- BRAC office in Seaside, California to review hard copy reports, if available
- Online resource of information on Fort Ord maintained by the Army:
http://docs.fortordcleanup.com/ar_pdfs/asbestos/

All pertinent documents were downloaded and/or copied for use by Vista during review. Each building was noted and every document found was thoroughly reviewed for references to Hazardous Materials inventories associated with the Surplus II buildings.

It should be noted that over the past decade Vista has had extensive experience performing hazardous materials surveys at the former Ford Ord Army Base buildings that are now part of California State University Monterey Bay (CSUMB). Vista has provided these services to CSUMB comprising over 325 buildings totaling over 4.1 million square feet. The 27 buildings comprising the current Project Site are identical in use and construction to most of the buildings Vista has surveyed for CSUMB. This provides a unique knowledge base for location and type of hazardous materials to be present in the 27 buildings comprising the Project Site.

4.0 RESULTS

The document search found Asbestos Survey Report Building Summaries from the Corps of Engineers for the Fort Ord Installation for all Surplus II buildings except RP4456. These reports were written by Diagnostic Engineering, Inc., Project No.1A2141AB001. The field work for these reports was performed in 1992. The reports identified various materials that contain asbestos in the Project Site buildings.

Detailed summaries of hazardous materials identified per building in the previous reports can be found in the Appendices. A general summation of hazardous materials by building type follows:

- Administration Buildings (AD): Non-friable asbestos identified in previous reports in the AD buildings can be found in floor tile & mastic, transite piping, and roofing mastic, window putty, and other miscellaneous mastics. Friable asbestos can be found in various locations in the HVAC flexible connectors and the joint compound.

- Armory Buildings (AR): Non-friable asbestos identified in previous reports in the AR buildings can be found in floor tile & mastic and transite piping.
- Cafeteria Building (CF): Non-friable asbestos identified in previous reports in the CF building can be found in floor tile & mastic, and transite piping. Friable asbestos identified in the previous reports was found in the storage tank insulation and lagging in the Mechanical Room.
- Hammerhead Buildings (HH): Non-friable asbestos identified in previous reports in the HH buildings can be found in floor tile & mastic, transite sheeting, window putty, roofing mastic and baseboard mastic. Friable asbestos was identified in pipe & tank insulation (including debris), HVAC flexible connectors, joint compound and texture coat.
- Rolling Pin Buildings (RP): Non-friable asbestos identified in previous reports in the RP buildings can be found in floor tile & mastic, transite piping, and roofing mastic. Friable asbestos was identified in storage tank & piping insulation.

No other information on hazardous materials at the Project Site was discovered by Vista's investigation.

5.0 REGULATIONS

Relevant Federal/State regulations pertaining to the expected work for Task 2 and Task 3 are:

5.1 Asbestos

- National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Section 61, Subpart M
- Asbestos Hazard Emergency Response Act (AHERA) Protocol 40 CFR Part 763, Subpart E
- 29 CFR 1926.1101
- Monterey Bay Unified Air Pollution Control District (MBUAPCD) District Rules 424 & 439

5.2 Lead

- Cal/OSHA Title 8, California Code of Regulation (CCR), Section 1532.1 (8 CCR 1532.1)
- Department of Public Health (CDPH) Title 17 Sections 35001 thru 36100 et. al.

5.3 Universal Waste Materials

- DTSC, as stated in 22 CCR Sections 66261.9 and 66273.1 thru 66273.90.

5.4 PCBs

- Title 22 CCR 67426.1.
- 40 CFR 761.283

5.5 Title 22 Metals

- Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes

6.0 RECOMMENDATIONS

The asbestos surveys reviewed were performed for Operations & Maintenance (O&M) purposes and do not meet requirements of the Monterey Bay Unified Air Pollution Control District (MBUAPCD) for demolition notification. According to MBUAPCD Rule 424 (adoption of Federal Regulation) §61.145(a) building asbestos surveys are required to be “Thoroughly Inspected” and is defined as “All suspect building materials, in each building, that will be disturbed by planned demolition or renovation activities shall be sampled and analyzed for asbestos using the method specified in Appendix E, Subpart E, 40 CFR, Part 763, Section 1 (Polarized Light Microscopy) or assumed to be asbestos-containing.”

Based review of previous data, current regulations and knowledge of the various Fort Ord building types, Vista believes the following hazardous materials not previously identified could exist in the Project Site Buildings:

- All buildings: Asbestos containing sealants, present on exterior window and door frames
- Hammerhead buildings: Asbestos containing skim coat on concrete
- All buildings: Lead containing materials
- All buildings: PCB containing materials

All materials previously tested by the U.S. Army that gave a negative result for asbestos must be retested to confirm they are indeed negative. Positive materials should be re-tested to confirm positivity. The existing U.S. Army Asbestos Surveys do not provide an accurate assessment of the following:

1. The total asbestos in each building
2. All types of asbestos containing materials in each building
3. The presence of asbestos below the surface at the Project Site.
4. The current condition of asbestos containing products.
5. The Rolling Pin (RP) buildings had the most inconsistencies in the previous reports: tank insulation was not sampled in 3 out of 10 of them. In the 7 that were tested, all were found to be positive for asbestos. Pipe fitting lagging was sampled in some buildings, but not in others. One sample was found to be positive for asbestos. The size of the transite boiler exhaust pipe ranged from 18” to 24” outer diameter and the lengths were noted to be from 35 to 50 linear feet. All of these pipes are the same size.

Based on contract scope and requirements, Vista does not believe the findings reported here would significantly alter the Scope of Work going forward for Tasks 2 and Task 3 as described in “Fort Ord Reuse Authority (FORA) Scope of Work_Draft IV, Professional Industrial Hygienist (IH) Services S201-40-410-04” submitted to FORA by Vista. Task 2 comprises Background Soil sampling at the Project Site and Task 3 comprises Hazardous Material Surveys at all 27 Project Site buildings.

Vista is prepared to move on to next Tasks as scheduled.

Respectfully Submitted,

Vista Environmental Consulting



Christopher R. Burns
Senior Project Manager
CAC #92-0224
LRCIA #663

Reviewed and Approved



Charles R. Bove
Principal
CAC #92-0160

APPENDICES

AD4408

AD4408
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
HVAC Flexible Connector	White	Various Offices	2 Each
Resilient Floor Tile and Mastic	9" Gray, Tan , Emerald Green, Maroon, White, Aqua, Rust Tile and Black Mastic	Throughout Building	6,370 Square Feet
Joint Compound and Paint	White and White	Throughout Building	8,000 Square Feet
Baseboard Mastic	Brown	Corridor by Northeast Corner of the Conference Room	15 Linear Feet
Transite Pipe	8" OD, Gray	Mechanical Room	6 Linear Feet
Roof Penetration Mastic	Black and Gray	Roof at Vent Penetrations	25 Each

No other hazardous materials reports were discovered.

AD4418

AD4418
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
HVAC Flexible Connector	White	Various Offices	4 Each
Resilient Floor Tile and Mastic	9" Tan Tile and Black Mastic	Conference Room & Adjacent North Entryway and Throughout Most of the Area West of the Conference Room	2,090 Square Feet
Joint Compound	White	Throughout Building	15,000 Square Feet
Roof Penetration Mastic	Black and Gray	Roof at Vent Penetrations	25 Each
Transite Pipe	8" OD, Gray	1 st Floor Ceiling Level and Rise Vertically to Roof	36 Linear Feet
Window Putty	White	Exterior Windows	4,000 Linear Feet
Acoustic Tile Mastic	Brown	Associated with 12" x 12" acoustic tiles in the Learning Center, Adjacent Storeroom and the Three Offices Immediately West of the Learning Center	1,600 Square Feet

No other hazardous materials reports were discovered.

AD4438

AD4438
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
HVAC Flexible Connector	White	1 st Floor Air Handling Unit Rooms	4 Each
Resilient Floor Tile	9" Light Green and Brown Tile	1 st Floor Various Locations	2,050 Square Feet
Window Putty	White	1 st Floor Perimeter Wall	1,000 Square Feet
Roof Penetration Mastic	Black and Gray	Roof at Vent Penetrations	12 Each
Transite Pipe	6" OD, Gray	Roof and Ceiling Cavity	40 Linear Feet

No other hazardous materials reports were discovered.

AD4448

AD4448
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Acoustic Panel/Tile Mastic	2' X 2' Acoustic Panels and the 12" X 12" Acoustic Tiles (Assumed)	1st Floor Various Locations	5,100 Square Feet
Transite Pipe	8" OD, Gray	Attic	16 Linear Feet
HVAC Flexible Connector	White	1 st Floor Furnace Rooms	4 Each
Resilient Floor Tile and Mastic	9" Maroon, Green and Beige Floor Tiles and Black Mastic	1 st Floor Throughout Building	5,005 Square Feet
Roof Penetration Mastic	Black and Gray	Roof at Vent Penetrations	12 Each

No other hazardous materials reports were discovered.

AD4550

AD4450
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
HVAC Flexible Connector	White	1 st Floor Air Handling Unit Rooms	4 Each
Roof Mastic and Roof Penetration Mastic	Black and Gray	Roof	6,400 Square Feet
Transite Pipe	8" OD, Gray	Above Mail Room, Janitor's Closet and Air Handling Unit Rooms Rising Vertically to Roof	24 Linear Feet

No other hazardous materials reports were discovered.

AD4460

AD4460
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
HVAC Flexible Connector	White	1 st Floor Corridor and Closet	2 Each
Resilient Floor Tile	9" Brown, Green, and Black Tile	1 st Floor Various Locations	1,420 Square Feet
Window Putty	White	1 st Floor Exterior Wall	290 Linear Feet
Roof Penetration Mastic	Black and Gray	Roof at Vent Penetrations	20 Square Feet
Transite Pipe	6" OD, Gray	1 st Floor Ceiling Cavity and Rise to Roof	40 Linear Feet

No other hazardous materials reports were discovered.

AR4450

AR4450
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Transite Pipe	15" OD, Gray	1 st Floor Furnace Room	10 Linear Feet
Resilient Floor Tile and Mastic	9" Tan and 12" White Tile, and Black Mastic	1 st Floor Throughout Offices	5,225 Square Feet

No other hazardous materials reports were discovered.

AR4458

AR4458
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Resilient Floor Tile and Mastic	9" Pink Tile and Black Mastic	1 st Floor Various Locations	4,420 Square Feet
Transite Pipe	14" OD, Gray	1 st Floor Boiler Room	11 Linear Feet

No other hazardous materials reports were discovered.

CF4453

CF4453
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Storage Tank Insulation and Lagging	White	1 st Floor Mechanical Room	274 Square Feet
Resilient Floor Tile and Mastic	9" Tan and Brown Tile and Black Mastic	1 st Floor Various Locations	4,625 Square Feet
Transite Pipe	24" OD, Gray	1 st Floor Mechanical Room	10 Linear Feet

No other hazardous materials reports were discovered.

HH4430

HH4430 HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Pipe Insulation Debris	White	1 st Floor Crawlspace Under Building	1,250 Square Feet
Resilient Floor Tile and Mastic	9" Brown Tile and Black Mastic	1 st Entranceway	25 Square Feet
Pipe Run/Fitting Insulation and Lagging	3.5", 10" and 12" OD, White	Basement Various Locations	923 Linear Feet
Breeching Insulation and Lagging	White	Basement Boiler Room	470 Square Feet
Storage Tank Lagging	White	Basement Boiler Room	190 Square Feet
Resilient Floor Tile and Mastic	9" Black, Brown and Tan Tile and Black Mastic	1 st Entranceway	750 Square Feet
Roof Penetration Mastic	Black and Gray	Roof	15 Each
Transite Sheet Material	Gray	1 st Floor Entranceway	20 Square Feet
Floor Tile Mastic	Black	1 st /2 nd /3 rd Floors Throughout Building	28,630 Square Feet

No other hazardous materials reports were discovered.

HH4432

HH4432
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Pipe Insulation Debris	White	1 st Floor Crawlspace Under Building	1,250 Square Feet
Pipe Run/Fitting Insulation and Lagging	3.5", 10" and 12" OD, White	Basement and Crawlspace	1,350 Linear Feet
Resilient Floor Tile and Mastic	9" Cream, Blue, Black and 12" White, Light Brown, Beige, Green, and Gray Tile and Black Mastic	1 st /2 nd /3 rd Floors Throughout Building	28,475 Square Feet
Transite Sheet Material	Gray	1st Floor Entranceway	40 Square Feet
Window Putty	White	1 st /2 nd /3 rd Floors Exterior Walls	14, 000 Linear Feet
Roof Penetration Mastic	Black and Gray	Upper and Lower Roofs	100 Each

No other hazardous materials reports were discovered.

HH4434

HH4434

HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Pipe Insulation Debris	White	1 st Floor Crawlspace Under Building	1,250 Square Feet
Pipe Run/Fitting Insulation and Lagging	3.5", 10" and 12" OD, White	Basement and 1 st Floor Various Locations	1,215 Linear Feet
Resilient Floor Tile and Mastic	9" Black, Blue, Green and 12" Beige, Brown, Green, and White, Tile and Black Mastic	1 st /2 nd /3 rd Floors Throughout Building	25,800 Square Feet
Baseboard Mastic	Brown	1 st /2 nd /3 rd Floors Throughout Building	8,600 Linear Feet
Joint Compound and Textured Paint	White/White	1 st /2 nd /3 rd Floors Corridors and Bedrooms	8,300 Square Feet
Roof Flashing and Roof Penetration Mastic	Black and Gray	Roof	80 Square Feet
Transite Sheet Material	Gray	1 st Floor Lounge	52 Square Feet
Window Putty	White	1 st /2 nd /3 rd Floors Exterior Walls	14, 000 Linear Feet

No other hazardous materials reports were discovered.

HH4436

HH4436
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Pipe Insulation Debris	White	1 st Floor Crawlspace Under Building	1,250 Square Feet
Pipe Run/Fitting Insulation and Lagging	3.5", 10" and 12" OD, White	Basement and 1 st Floor Various Locations	1,150 Linear Feet
Resilient Floor Tile and Mastic	9" Black, Brown, Green, Blue and 12" White, Olive, and Tan and Black Mastic	1 st /2 nd /3 rd Floors Throughout Building	25,520 Square Feet
Roof Penetration Mastic	Black and Gray	Roof	49 Each
Transite Sheet Material	Gray	1st Floor Entranceway	45 Square Feet

No other hazardous materials reports were discovered.

HH4440

HH4440

HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Pipe Insulation Debris	White	1 st Floor Crawlspace Under Building	1,250 Square Feet
Pipe Run/Fitting Insulation and Lagging	3.5", 10" and 12" OD, White	Basement to 2nd Floor Various Locations	804 Linear Feet
Storage Tank Insulation and Lagging	White	Basement Boiler Room	250 Square Feet
Resilient Floor Tile and Mastic	9" Black, Brown, and Green, and Black Mastic	1 st Floor Various Locations	2,170 Square Feet
Transite Sheet Material	Gray	1st Floor Entranceway	34 Square Feet
Roof Penetration Mastic	Black and Gray	Roof	49 Each
Window Putty	White	1 st /2 nd /3 rd Floors Exterior Wall	14,000 Linear Feet
Resilient Floor Tile and Mastic	9" Black, Red and 12" Gray, White and Brown, and Black Mastic	1 st /2 nd /3 rd Floors Throughout Building	26,170 Square Feet

No other hazardous materials reports were discovered.

HH4442

HH4442
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Pipe Insulation Debris	White	1 st Floor Crawlspace Under Building	1,250 Square Feet
Pipe Run/Fitting Insulation and Lagging	3.5", 10" and 12" OD, White	Basement, Crawlspace, 1 st and 2 nd Floors Various Locations	1,300 Linear Feet
Resilient Floor Tile and Mastic	9" Tan, Black, Brown, Dark Blue, Green, and White, 12" Cream, White, Black and Beige, and Black Mastic	1 st /2 nd /3 rd Floors Throughout Building	29,815 Square Feet
Joint Compound	White	1 st Floor Various Locations	1,040 Square Feet
Window Putty	White	1st/2nd/3rd Floors Exterior Wall	14,000 Linear Feet

No other hazardous materials reports were discovered.

HH4444

HH4444
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Pipe Insulation Debris	White	1 st Floor Crawlspace Under Building	650 Square Feet
Pipe Insulation Materials and Patching Material	3.5", 10" and 12" OD, White	Basement and 1 st Floors Various Locations	800 Linear Feet
Resilient Floor Tile and Mastic	9" Green, Black, Dark Blue, and Tan, 12" Black and White, and Black Mastic	1 st /2 nd /3 rd Floors Throughout Building	31,366 Square Feet
Transite Sheet Material	Gray	1 st Floor Various Entranceway	70 Square Feet
Roofing Composite and Penetration Mastic	Black and Gray	Roof	15,040 Square Feet
Window Putty	White	1 st /2 nd /3 rd Floors Exterior Wall	14,000 Linear Feet

No other hazardous materials reports were discovered.

HH4446

HH4446 HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Pipe Insulation Debris	White	1 st Floor Crawlspace Under Building	1,250 Square Feet
HVAC Flexible Connector	White	Lower Roof	2 Each
Pipe Run and Fitting Insulation and Lagging	3.5", 10" and 12" OD, White	Basement, 1 st and 2 nd Floors Various Locations	1,245 Linear Feet
Resilient Floor Tile and Mastic	9" Beige, Black, and Green, 12" Light Tan, Beige, Brown, and Dark Beige, and Black Mastic	1 st /2 nd /3 rd Floors Throughout	27,625 Square Feet
Transite Sheet Material	Gray	1 st Floor Entrance Foyer	185 Square Feet
Window Putty	White	1 st /2 nd /3 rd Floors Exterior Wall	14,000 Linear Feet
Roof Penetration Mastic	Black and Gray	Roof	35 Each

No other hazardous materials reports were discovered.

RP4451

RP4451
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Floor Tile Mastic	Black	1 st Floor Various Locations	3,700 Square Feet
Resilient Floor Tile and Mastic	9" Beige, Green, Dark Green Tile and Black Mastic	1 st , 2 nd , 3 rd Floor Various Locations	22,150 Square Feet
Transite Pipe	24" OD, Gray	Basement Mechanical Room	40 Linear Feet

No other hazardous materials reports were discovered.

RP4452

RP4452
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Storage Tank Lagging	White	Basement Mechanical Room	100 Square Feet
Roof Penetration Mastic	Black and Gray	Roof	13 Each
Transite Pipe and Grout	24" OD, Gray	Basement Mechanical Room	35 Linear Feet
Resilient Floor Tile and Mastic	9" Tan, Black, Brown, Green and Beige Tile and Black Mastic	1 st , 2 nd , 3 rd Floor Throughout Building	31,155 Square Feet

No other hazardous materials reports were discovered.

RP4454

RP4454
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Storage Tank Insulation	White	Basement Mechanical Room	600 Square Feet
Resilient Floor Tile and Mastic	9" Tan, Gray and Brown, and 12" Gray and White Tile and Black Mastic	1st, 2nd, 3rd Floor Throughout Building	35,426 Square Feet
Transite Pipe and Grout	24" OD, Gray	1 st Floor Boiler Room	50 Linear Feet
Roof Penetration Mastic	Black and Gray	Roof	10 Each

No other hazardous materials reports were discovered.

RP4456

RP4456
HAZARDOUS MATERIALS SUMMARY

No hazardous materials reports were discovered.

RP4457

RP4457
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Storage Tank Insulation	White	Basement Mechanical Room	200 Square Feet
Pipe Fitting Insulation and Lagging	White	Basement Mechanical Room	12 Each
Resilient Floor Tile and Mastic	9" Tan, Beige, Light Brown, and Green Tile and Black Mastic	1st, 2nd, 3rd Floor Throughout Building	35,520 Square Feet
Roof Penetration Mastic	Black and Gray	Roof	27 Each
Transite Pipe	24" OD, Gray	Basement/Roof Mechanical Room	45 Linear Feet

No other hazardous materials reports were discovered.

RP4466

RP4466
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Boiler Insulation and Lagging	White	Basement Mechanical Room	200 Square Feet
Resilient Floor Tile and Mastic	9" Tan, Gray, Black, and 12" White Tile and Black Mastic	1st, 2nd, 3rd Floor Throughout	29,720 Square Feet
Transite Pipe and Mastic	24" OD, Gray	Basement Boiler Room	42 Linear Feet

No other hazardous materials reports were discovered.

RP4467

RP4467
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Resilient Floor Tile and Mastic	9" Tan, Gray, and Green Tile and Black Mastic	1st, 2nd, 3rd Floor Throughout Building	29,110 Square Feet
Transite Pipe and Mastic	24" OD, Gray	Basement Air Handler Room	43 Linear Feet

No other hazardous materials reports were discovered.

RP4469

RP4469
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Floor Tile Mastic	Black	1 st Floor Laundry Room and Closet	140 Square Feet
Storage Tank Insulation and Lagging	White	Basement Mechanical Room	260 Square Feet
Resilient Floor Tile and Mastic	9" Tan, Pink, Yellow and Light Tan Tile and Black Mastic	1st, 2nd, 3rd Floor Throughout Building	35,000 Square Feet
Roof Penetration Mastic	Black and Gray	Roof	18 Each
Transite Pipe	24" OD, Gray	Basement Mechanical Room	40 Linear Feet

No other hazardous materials reports were discovered.

RP4471

RP4471
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Storage Tank Insulation and Lagging	White	Basement Mechanical Room	530 Square Feet
Resilient Floor Tile and Mastic	9" Gray, Tan, and 12" White Tile and Black Mastic	1st, 2nd, 3rd Floor Throughout Building	33,940 Square Feet
Roof Flashing	Black	Roof	136 Square Feet
Transite Pipe and Mastic	24" OD, Gray	Basement Air Handling Room	42 Linear Feet

No other hazardous materials reports were discovered.

RP4472

RP4472
HAZARDOUS MATERIALS SUMMARY

Asbestos

MATERIAL	DESCRIPTION	LOCATION	ESTIMATED QUANTITY
Resilient Floor Tile and Mastic	9" Beige, and 12" Gray Tile and Black Mastic	1st, 2nd, 3rd Floor Throughout	33,225 Square Feet
Transite Pipe and Mastic	24" OD, Gray	Basement Boiler Room	40 Linear Feet

No other hazardous materials reports were discovered.