

**ENVIRONMENTAL
TECHNOLOGIES**
a Division, COLE CONSULTING CORPORATION

Elmsford Executive Park, Building 5
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TELEPHONE 914 • 345 • 6000 ■ FACSIMILE 914 • 345 • 0045

February 6th, 2003

Mr. Andrew Confortini
EPA Quad B Leader
USEPA, 17TH Floor
290 Broadway
New York, NY. 10007-1866

Re: **WTC HVAC Report for 50 Pine Street**

Dear Mr. Confortini,

According to visual inspection conducted by our HVAC Specialist Duct Dusters Air Duct Cleaning, Environmental Technologies Division, Cole Consulting Corp hereby recommend that one equipment should be cleaned because WTC dust was found in the equipment. The Bathroom exhaust on the roof was impacted and should be cleaned.

All other systems were not impacted. Please note that there is one (1) Passive Shaft/Duct unit in this building. This constitutes one (1) inspection. Also there are three (3) Mechanical Exhaust System units on the roof. These constitute one (1) inspection. Thus we have a total of two (2) inspections in this building.

Please do not hesitate to call me if you have any question with this report.

Yours truly,
Environmental Technologies


John Anuforo
Division Manager

VENTILATION SYSTEM EVALUATION FORM

Please complete this form in accordance with instructions in the accompanying guidance document

Part 1.0 General Information

Date of evaluation: <u>2/4/03</u>	Building contact name and phone:
Evaluation team (list name and affiliation):	
	(Environmental professional)
<u>TONY GALEW - DUCT DUSTERS</u>	(HVAC professional)
Building address:	Type of Facility (check all that apply):
<u>50 PINE ST</u>	☒ Residential
<u>NEW YORK, NY</u>	☐ Multi-use
	☐ Other (describe)
Date of construction:	
Number of residential units:	Number of floors: <u>12</u>
Prior inspection report/maintenance records available for review?:	
Other comments	
Ventilation system types (check all that apply and indicate total no. of units)	
Central ventilation system	Mechanical exhaust system
Est. no. of units	Est. no. of units <u>3</u>
Mechanical make-up air system	Passive shaft/duct
Est. no. of units	Est. no. of units <u>1</u>
Other (describe)	

I certify that to the best of my knowledge, the information and observations recorded on this form including all attachments are a true and accurate representation of site conditions.

Ventilation System (HVAC) Evaluator

Date 2/4/03

Part 2.0 Visual Inspection Forms

Use the attached forms to document visual inspections. Complete the forms in accordance with instructions in the accompanying guidance document.

2.4 Passive Shaft/Duct Visual Inspection Form

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Passive Shaft/Duct Identification: <u>BATHROOM EXHAUST</u>			
Location: <u>Roof</u>		Area Served:	
System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]	Surface Dust/Debris Present?	WTC Dust Present?	Component X not present X not found X inaccessible
Outside air intake (if servicing supply air): Location:			
Accessible for inspection? Y ___ N ___ (explain):			
louvers, grates, screens or weather cap			
Exhaust outlet/louver (if servicing exhaust air): Location: <u>Roof</u>			
Accessible for inspection? Y ☒ N ___ (explain):	<u>Y</u>	<u>Y</u>	
louvers, grates, screens or weather cap	<u>Y</u>	<u>Y</u>	
Supply air distribution (if servicing supply air):			
Supply air outlet(s) Est. total qty <u>12</u> No. locations inspected <u>3</u>			
Specify shaft substrate (circle): <u>metal</u> fibrous glass lined metal masonry fibrous glass board flex-duct wood	<u>Y</u>	<u>Y</u>	
Accessible fire dampers Est. total qty No. locations inspected			<u>NF</u>
Pipes/mechanical equipment, etc. located in shaft <u>YES</u>	<u>P</u>		
Return air distribution (if servicing exhaust air):			
Exhaust air inlet(s) Est. total qty No. locations inspected			
Specify shaft substrate (circle): <u>metal</u> fibrous glass lined metal masonry fibrous glass board flex-duct wood			
Accessible fire dampers Est. total qty No. locations inspected			
Pipes/mechanical equipment, etc. located in shaft			
Other (specify):			
Other Information:			
General impression (indicate recommendations for cleaning based on finding of WTC dust):			

KEY: NP = not present; NF = not found; I = inaccessible; U = unknown

2.2 Mechanical Exhaust System Visual Inspection Form

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Mechanical Exhaust System Identification: <u>BASEMENT EXHAUST</u>			
Location: <u>BASEMENT</u>		Area Served: <u>BASEMENT AREAS</u>	
Associated mechanical room: clean ☒ Y ☐ N dry ☒ Y ☐ N stored chemicals/refuse ☒ Y ☐ N			
System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]		Surface Dust/Debris Present?	WTC Dust Present?
			Component ☐ not present ☐ not found ☐ inaccessible
Exhaust air outlet: Location:			
Accessible for inspection? Y ☒ N ☐ (explain):		Y	N
louvers, grates and/or screens		Y	N
outside air duct		Y	N
outside air damper(s)		Y	N
Exhaust fan unit:			NP
blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators		Y	N
blower housing acoustical lining			NP
vibration collars			NP
Exhaust air distribution:			
Exhaust air ducts Est. total ln ft <u>50</u> No. locations inspected <u>2</u>			
Specify type (circle): <u>metal</u> fibrous glass lined metal masonry fibrous glass board flex-duct wood		Y	N
Accessible in-line fire dampers Est. total qty ' No. locations inspected			NP
Accessible turning vanes Est. total qty No. locations inspected			NP
Exhaust air grilles Est. total qty <u>5</u> No. locations inspected <u>5</u>		Y	N
Other (specify):			
Other Information:			
General impression (indicate recommendations for cleaning based on finding of WTC dust):			
KEY: NP = not present; NF = not found; I = inaccessible; U = unknown			

2.2 Mechanical Exhaust System Visual Inspection Form

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Mechanical Exhaust System Identification: <u>BASEMENT AIR INTAKE</u>			
Location: <u>BASEMENT</u>		Area Served: <u>BASEMENT</u>	
Associated mechanical room: clean ☒ Y ☐ N dry ☒ Y ☐ N stored chemicals/refuse ☒ Y ☐ N			
System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]		Surface Dust/Debris Present?	WTC Dust Present?
Exhaust air outlet: Location:			Component ☐ not present ☐ not found ☐ inaccessible
Accessible for inspection? Y ☒ N ☐ (explain):		Y	N
louvers, grates and/or screens		Y	N
outside air duct		Y	N
outside air damper(s)		Y	N
Exhaust fan unit:			
blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators		Y	N
blower housing acoustical lining			
vibration collars			NP
Exhaust air distribution:			
Exhaust air ducts inspected <u>2</u> Est. total ln ft <u>10</u> No. locations			
Specify type (circle): <u>metal</u> fibrous glass lined metal masonry fibrous glass board flex-duct wood		Y	N
Accessible in-line fire dampers Est. total qty No. locations inspected			NP
Accessible turning vanes Est. total qty No. locations inspected			NP
Exhaust air grilles Est. total qty No. locations inspected		Y	N
Other (specify):			
Other Information:			
General impression (indicate recommendations for cleaning based on finding of WTC dust):			
KEY: NP = not present; NF = not found; I = inaccessible; U = unknown			

2.2 Mechanical Exhaust System Visual Inspection Form

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Mechanical Exhaust System Identification: <u>BOILER RM AIR INTAKE</u>			
Location: <u>BOILER RM</u>		Area Served: <u>BOILER RM</u>	
Associated mechanical room: clean ☒ Y ☐ N dry ☒ Y ☐ N stored chemicals/refuse ☒ Y ☐ N			
System Components [NOTE: if component not present (NP), not found (NF) or inaccessible (I) please indicate in last column]		Surface Dust/Debris Present?	WTC Dust Present?
Exhaust air outlet: Location:			Component ☐ not present ☐ not found ☐ inaccessible
Accessible for inspection? Y ☒ N ☐ (explain):		<u>Y</u>	<u>N</u>
louvers, grates and/or screens		<u>Y</u>	<u>N</u>
outside air duct		<u>Y</u>	<u>N</u>
outside air damper(s)		<u>Y</u>	<u>N</u>
Exhaust fan unit:			<u>NP</u>
blower assembly incl. blower wheel, housing, air vanes, in-line noise attenuators		<u>Y</u>	<u>N</u>
blower housing acoustical lining			<u>NP</u>
vibration collars			<u>NP</u>
Exhaust air distribution:			<u>NP</u>
Exhaust air ducts Est. total ln ft <u>10</u> No. locations inspected <u>1</u>			
Specify type (circle): <u>metal</u> fibrous glass lined metal masonry fibrous glass board flex-duct wood		<u>Y</u>	<u>N</u>
Accessible in-line fire dampers Est. total qty _____ No. locations inspected _____			<u>NP</u>
Accessible turning vanes Est. total qty _____ No. locations inspected _____			<u>NP</u>
Exhaust air grilles Est. total qty <u>1</u> No. locations inspected <u>1</u>		<u>Y</u>	<u>N</u>
Other (specify):			
Other Information:			
General impression (indicate recommendations for cleaning based on finding of WTC dust):			
KEY: NP = not present; NF = not found; I = inaccessible; U = unknown			