

**ORION Environmental Services**

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**Industrial Hygiene Air Monitoring Worksheet**  
**Asbestos Air Sampling (NIOSH Method 7400A)**

Project Name: PHASE III 5th FLOOR RENOVATION

Project Number: 09-014

Project Location: COUNTY CITY BLDG  
930 TACOMA AVE TACOMA, WA

Client: PCF

Supervisor: FRED HOGAN

Sample By: D RAUSCHENBERG

Date: 1-14-10

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Sample ID: <u>DS-25</u>	Observations: <u>INSIDE REGULATED AREA 5th FLOOR - REMOVING 4 FT OF HVAC INSULATION HALLWAY MENS REST ROOM</u>	<input checked="" type="checkbox"/> PCM
Sample Type: <u>I-CL</u>	Worker: _____ SSN or Cert _____	<input type="checkbox"/> TEM NIOSH
Protection: <u>M</u>	Start: <u>5:30</u> Start Flow: <u>10.0</u>	LOD: <u>0.003</u> f/cc
Decon: <u>DS</u>	Stop: <u>7:30</u> Stop Flow: <u>10.0</u>	Fiber: <u>15</u>
Environment: <u>R</u>	Minutes: <u>120</u> Average: <u>10.0</u>	Field: <u>100</u>
Pump: <u>DES-49</u>	Volume: <u>1200</u> L	f/cc: <u>0.006</u>
Rotometer: <u>DES-03</u>		TWA: _____ f/cc

Sample ID: <u>DS-26</u>	Observations: <u>OUTSIDE REGULATED AREA 5th FLOOR COURT ROOM 531</u>	<input checked="" type="checkbox"/> PCM
Sample Type: <u>O</u>	Worker: _____ SSN or Cert _____	<input type="checkbox"/> TEM NIOSH
Protection: <u>NA</u>	Start: <u>5:35</u> Start Flow: <u>3.0</u>	LOD: <u>0.003</u> f/cc
Decon: <u>↓</u>	Stop: <u>12:35</u> Stop Flow: <u>3.0</u>	Fiber: <u>8</u>
Environment: <u>↓</u>	Minutes: <u>420</u> Average: <u>3.0</u>	Field: <u>100</u>
Pump: <u>DES-83</u>	Volume: <u>1260</u> L	f/cc: <u>0.003</u>
Rotometer: <u>DES-03</u>		TWA: _____ f/cc

Sample ID: <u>DS-27</u>	Observations: <u>OUTSIDE REGULATED AREA 4th FLOOR ELEVATOR HALLWAY BELOW WORK AREA</u>	<input checked="" type="checkbox"/> PCM
Sample Type: <u>O</u>	Worker: _____ SSN or Cert _____	<input type="checkbox"/> TEM NIOSH
Protection: <u>NA</u>	Start: <u>5:40</u> Start Flow: <u>3.0</u>	LOD: <u>0.003</u> f/cc
Decon: <u>↓</u>	Stop: <u>12:40</u> Stop Flow: <u>3.0</u>	Fiber: <u>1</u>
Environment: <u>↓</u>	Minutes: <u>420</u> Average: <u>3.0</u>	Field: <u>100</u>
Pump: <u>DES-86</u>	Volume: <u>1260</u> L	f/cc: <u>&lt;0.001</u>
Rotometer: <u>DES-03</u>		TWA: _____ f/cc

Sample ID: <u>DS-28</u>	Observations: <u>OUTSIDE REGULATED AREA 6th FLOOR COURT ROOM 604 ABOVE WORK AREA</u>	<input checked="" type="checkbox"/> PCM
Sample Type: <u>O</u>	Worker: _____ SSN or Cert _____	<input type="checkbox"/> TEM NIOSH
Protection: <u>NA</u>	Start: <u>5:45</u> Start Flow: <u>3.0</u>	LOD: <u>0.003</u> f/cc
Decon: <u>↓</u>	Stop: <u>12:45</u> Stop Flow: <u>3.0</u>	Fiber: <u>14</u>
Environment: <u>↓</u>	Minutes: <u>420</u> Average: <u>3.0</u>	Field: <u>100</u>
Pump: <u>DES-27</u>	Volume: <u>1260</u> L	f/cc: <u>0.005</u>
Rotometer: <u>DES-03</u>		TWA: _____ f/cc

Sample Types	
Personal	CL Clearance
Excursion	H Hepa
Ceiling	FBL Field Blank
Inside Area	SBL Sealed Blank
Outside Area	Pre Preliminary

Control Measures		
<b>Respiratory Protection</b>	<b>Decontamination</b>	<b>Environment</b>
M Half Face APR	D Decon w/o Shower	G Glovebag
F Full Face APR	DS Decon w/Shower	M Mini Enclosure
PAPR Powered APR	DBS Double Suite	F Full Enclosure
CF Continuous Flow	LDS Local Decon Station	ME Modified Encl.
PD Pressure Demand		R Regulated Area
		NE No Enclosure

Turnaround
<input type="checkbox"/> Now
<input type="checkbox"/> 24 Hour
<input type="checkbox"/> 3 Day
<input type="checkbox"/> 5 Day
<input type="checkbox"/> 7 Day
<input type="checkbox"/> 14 Day

Analyzed by: DGR

Date: 1-5-10

Dispatched By (Print)	Date	Received By (Print)	Date
Dispatched By (Signature)	Time	Received By (Signature)	Time
Reviewed By (Print)	Date	Reviewed By (Print)	Date
Reviewed By (Signature)	Time	Reviewed By (Signature)	Time

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Project Name: \_\_\_\_\_

Project Number: \_\_\_\_\_

Sample ID <u>BS-29</u>	Observations <u>INSIDE REGULATED AREA - GRID LINE N-20 - REMOVING CEILING TILE AND LOADING OUT NON ASBESTOS DEBRI DOWN CHUTE BETWEEN M &amp; N GRID LINES.</u>	Date: <u>1-4-10</u>	<input checked="" type="checkbox"/> PCM
Sample Type: <u>I-LL</u>			<input type="checkbox"/> TEM NIOSH
Protection: <u>M</u>			LOD _____ f/cc
Decon: <u>DS</u>	Worker _____ SSN or Cert _____		Fiber _____
Environment: <u>R</u>	Start <u>5:50</u> Start Flow <u>3.0</u>		Field <u>ACTC</u>
Pump: <u>DS-16</u>	Stop <u>11:30</u> Stop Flow _____	Volume _____	f/cc _____
Rotometer <u>DS-03</u>	Minutes _____ Average _____	_____ L	TWA _____ f/cc

Sample ID <u>BS-30</u>	Observations <u>See BS-29 GRID LINE - M-20</u>	Date: <u>1-4-10</u>	<input checked="" type="checkbox"/> PCM
Sample Type: <u>I-LL</u>			<input type="checkbox"/> TEM NIOSH
Protection: <u>M</u>			LOD _____ f/cc
Decon: <u>DS</u>	Worker _____ SSN or Cert _____		Fiber _____
Environment: <u>R</u>	Start <u>5:55</u> Start Flow <u>3.0</u>		Field <u>ACTC</u>
Pump: <u>DS-26</u>	Stop <u>11:35</u> Stop Flow _____	Volume _____	f/cc _____
Rotometer <u>DS-03</u>	Minutes _____ Average _____	_____ L	TWA _____ f/cc

Sample ID <u>BS-31</u>	Observations <u>OUTSIDE REGULATED AREA 5th FLOOR ELEVATOR HALLWAY.</u>	Date: <u>1-4-10</u>	<input checked="" type="checkbox"/> PCM
Sample Type: <u>O</u>			<input type="checkbox"/> TEM NIOSH
Protection: <u>UA</u>			LOD <u>0.003</u> f/cc
Decon: <u>↓</u>	Worker _____ SSN or Cert _____		Fiber <u>16</u>
Environment: <u>↓</u>	Start <u>7:30</u> Start Flow <u>4.0</u>		Field <u>100</u>
Pump: <u>DS-49</u>	Stop <u>12:30</u> Stop Flow <u>4.0</u>	Volume _____	f/cc <u>0.006</u>
Rotometer <u>DS-03</u>	Minutes <u>300</u> Average <u>4.0</u>	<u>1200</u> L	TWA _____ f/cc

Sample ID <u>BS-32</u>	Observations <u>INSIDE REGULATED area GRID LINE N-20 - RERUNNING CLEARANCE - BS-29 TO CONTAMINATED TO COUNT - (DEBRI DUST)</u>	Date: <u>1-4-10</u>	<input checked="" type="checkbox"/> PCM
Sample Type: <u>I-LL</u>			<input type="checkbox"/> TEM NIOSH
Protection: <u>NA</u>			LOD _____ f/cc
Decon: <u>↓</u>	Worker _____ SSN or Cert _____		Fiber _____
Environment: <u>↓</u>	Start <u>11:30</u> Start Flow <u>13.9</u>		Field <u>ACTC</u>
Pump: <u>DS-16</u>	Stop <u>1:00</u> Stop Flow <u>13.9</u>	Volume _____	f/cc _____
Rotometer <u>DS-0</u>	Minutes <u>90</u> Average <u>13.9</u>	<u>1251</u> L	TWA _____ f/cc

Sample ID <u>BS-33</u>	Observations <u>INSIDE REGULATED area GRID LINE M-20 - RERUNNING CLEARANCE BS-30 TO CONTAMINATED TO COUNT. (DEBRI DUST)</u>	Date: <u>1-4-10</u>	<input checked="" type="checkbox"/> PCM
Sample Type: <u>I-LL</u>			<input type="checkbox"/> TEM NIOSH
Protection: <u>UA</u>			LOD _____ f/cc
Decon: <u>↓</u>	Worker _____ SSN or Cert _____		Fiber _____
Environment: <u>↓</u>	Start <u>11:31</u> Start Flow <u>13.9</u>		Field <u>ACTC</u>
Pump: <u>DS-26</u>	Stop <u>1:00</u> Stop Flow <u>13.9</u>	Volume _____	f/cc _____
Rotometer <u>DS-03</u>	Minutes <u>89</u> Average <u>13.9</u>	<u>1237.1</u> L	TWA _____ f/cc

Analysed by: D612 Date: 1-4-10

Relinquished By (Print)	Date	Received By (Print)	Date
Relinquished By (Signature)	Time	Received By (Signature)	Time
Analysed By (Print)	Date	Reviewed By (Print)	Date
<u>D Rauschenberg</u>	<u>1-4-10</u>		
Analysed By (Signature)	Time	Reviewed By (Signature)	Time

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Project Name: \_\_\_\_\_

Project Number: \_\_\_\_\_

Sample ID <b>BS-34</b>	Observations	Date: <b>1-4-10</b>	<input checked="" type="checkbox"/> PCM	
Sample Type: <b>BLK</b>	<b>BLANK</b>		<input type="checkbox"/> TEM NIOSH	
Protection:		LOD _____ f/cc		
Decon:		Worker _____ SSN or Cert _____	Fiber <b>0</b>	
Environment:		Start _____ : _____ Start Flow _____	Field <b>100</b>	
Pump:		Stop _____ : _____ Stop Flow _____ Volume _____	f/cc _____	
Rotometer		Minutes _____ Average _____ L _____	TWA _____ f/cc	

Sample ID <b>BS-28 QC</b>	Observations	Date: <b>1-4-10</b>	<input checked="" type="checkbox"/> PCM	
Sample Type: <b>QC</b>	<b>BLIND REPORT</b>		<input type="checkbox"/> TEM NIOSH	
Protection:		LOD <b>0.003</b> f/cc		
Decon:		Worker _____ SSN or Cert _____	Fiber <b>16</b>	
Environment:		Start _____ : _____ Start Flow _____	Field <b>100</b>	
Pump:		Stop _____ : _____ Stop Flow _____ Volume _____	f/cc <b>0.006</b>	
Rotometer		Minutes _____ Average _____ L _____	TWA _____ f/cc	

Sample ID _____	Observations	Date: _____	<input type="checkbox"/> PCM	
Sample Type: _____			<input type="checkbox"/> TEM NIOSH	
Protection: _____		LOD _____ f/cc		
Decon: _____		Worker _____ SSN or Cert _____	Fiber _____	
Environment: _____		Start _____ : _____ Start Flow _____	Field _____	
Pump: _____		Stop _____ : _____ Stop Flow _____ Volume _____	f/cc _____	
Rotometer		Minutes _____ Average _____ L _____	TWA _____ f/cc	

Sample ID _____	Observations	Date: _____	<input type="checkbox"/> PCM	
Sample Type: _____			<input type="checkbox"/> TEM NIOSH	
Protection: _____		LOD _____ f/cc		
Decon: _____		Worker _____ SSN or Cert _____	Fiber _____	
Environment: _____		Start _____ : _____ Start Flow _____	Field _____	
Pump: _____		Stop _____ : _____ Stop Flow _____ Volume _____	f/cc _____	
Rotometer		Minutes _____ Average _____ L _____	TWA _____ f/cc	

Sample ID _____	Observations	Date: _____	<input type="checkbox"/> PCM	
Sample Type: _____			<input type="checkbox"/> TEM NIOSH	
Protection: _____		LOD _____ f/cc		
Decon: _____		Worker _____ SSN or Cert _____	Fiber _____	
Environment: _____		Start _____ : _____ Start Flow _____	Field _____	
Pump: _____		Stop _____ : _____ Stop Flow _____ Volume _____	f/cc _____	
Rotometer		Minutes _____ Average _____ L _____	TWA _____ f/cc	

Analysed by: <b>DGR</b>	Date: <b>1-4-10</b>	Relinquished By (Print)	Date
Relinquished By (Signature)	Time	Received By (Signature)	Time
Analysed By (Print)	Date	Reviewed By (Print)	Date
Analysed By (Signature)	Time	Reviewed By (Signature)	Time