

# **Employee Exposure Monitoring Database in PeopleSoft**

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# PeopleSoft

## Current Version

- Created in 8.3
- Now using 8.9
- Oracle database  
Enterprise Edition  
10.2.0.3.0

## Advantages

- In-house
- Familiarity
- Customization
- Upgrades

# Data Required

- Sample number\*
- Date\*
- Agent\*
- Location\*
- Employee ID\*
- SEG\*
- Task\*
- Location of Activity
- Comments
- PPE
- Pump # / calibration
- Flow rates
- Start / stop times
- Sample volume
- Technician
- Results
- 8-hr TWA result
- PEL



[New Window](#)

## Exposure Monitoring

Enter any information you have and click Search. Leave fields blank for a list of all values.

Find an Existing Value

[Add a New Value](#)

**Sample Number:** begins with   
**Effective Date:** =    
**Location Code:** begins with    
**EmplID:** begins with   
**Name:** begins with   
**Similar Exposure Group:** begins with    
**Job Task:** begins with    
**Agent Sampled Code:** begins with

Correct History  Case Sensitive

Search

Clear

[Basic Search](#)

[Save Search Criteria](#)

## Search Results

[View All](#)

Sample Number	Effective Date	Location Code	Descr	Name	Similar Exposure Group	Description	Description	TWA Result	8-Hr. TWA Result	TWA STEL Result	TWA Grab Result
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Sample Number	Effective Date	Location Code	Descr	Name	Similar Exposure Group	Description	Description	TWA Result	8-Hr. TWA Result	TWA STEL Result	TWA Grab Result
<a href="#">030806BB</a>	<a href="#">03/08/2006</a>	<a href="#">10154</a>	<a href="#">Newport - Walters Hydro Plant</a>	<a href="#">Brandon W Buckner</a>	<a href="#">MTNC MECH</a>	<a href="#">Maintenance Mechanic</a>	<a href="#">Chromium VI</a>	<a href="#">&lt;0.378</a>	<a href="#">&lt;0.026</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">032807DG001</a>	<a href="#">03/28/2007</a>	<a href="#">10144</a>	<a href="#">Semora - Roxboro Fossil &amp; CT</a>	<a href="#">(blank)</a>	<a href="#">MECH</a>	<a href="#">Welding</a>	<a href="#">Chromium VI</a>	<a href="#">0.208</a>	<a href="#">0.045</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">032907DG001</a>	<a href="#">03/29/2007</a>	<a href="#">10144</a>	<a href="#">Semora - Roxboro Fossil &amp; CT</a>	<a href="#">(blank)</a>	<a href="#">MECH</a>	<a href="#">Grinding</a>	<a href="#">Chromium VI</a>	<a href="#">0.146</a>	<a href="#">0.07</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">033006BB</a>	<a href="#">03/30/2006</a>	<a href="#">10154</a>	<a href="#">Newport - Walters Hydro Plant</a>	<a href="#">Brandon W Buckner</a>	<a href="#">MTNC MECH</a>	<a href="#">Maintenance Mechanic</a>	<a href="#">Chromium VI</a>	<a href="#">&lt;0.96</a>	<a href="#">&lt;0.026</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">040106BH</a>	<a href="#">04/01/2006</a>	<a href="#">10168</a>	<a href="#">Hartsville - Robinson Fossil</a>	<a href="#">Benjamin Lee Henk</a>	<a href="#">ENG</a>	<a href="#">Work/site review</a>	<a href="#">Chromium VI</a>	<a href="#">&lt;0.096</a>	<a href="#">&lt;0.026</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">040106BULK</a>	<a href="#">04/01/2006</a>	<a href="#">10168</a>	<a href="#">Hartsville - Robinson Fossil</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>	<a href="#">Non-specific</a>	<a href="#">Chromium VI</a>	<a href="#">BULK</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">040206BULK</a>	<a href="#">04/02/2006</a>	<a href="#">10168</a>	<a href="#">Hartsville - Robinson Fossil</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>	<a href="#">Non-specific</a>	<a href="#">Chromium VI</a>	<a href="#">BULK</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">040206RM</a>	<a href="#">04/02/2006</a>	<a href="#">10168</a>	<a href="#">Hartsville - Robinson Fossil</a>	<a href="#">(blank)</a>	<a href="#">I&amp;C-TECH</a>	<a href="#">Work/site review</a>	<a href="#">Chromium VI</a>	<a href="#">&lt;1.07</a>	<a href="#">&lt;0.025</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">040407DG001</a>	<a href="#">04/04/2007</a>	<a href="#">10144</a>	<a href="#">Semora - Roxboro Fossil &amp; CT</a>	<a href="#">(blank)</a>	<a href="#">MECH</a>	<a href="#">Mixture of activities</a>	<a href="#">Chromium VI</a>	<a href="#">4.9</a>	<a href="#">0.61</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">040407DG002</a>	<a href="#">04/04/2007</a>	<a href="#">10144</a>	<a href="#">Semora - Roxboro Fossil &amp; CT</a>	<a href="#">(blank)</a>	<a href="#">MECH</a>	<a href="#">Welding</a>	<a href="#">Chromium VI</a>	<a href="#">60.0</a>	<a href="#">41.88</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">040506EH</a>	<a href="#">04/05/2006</a>	<a href="#">10112</a>	<a href="#">Lilesville- Blewett Hydro &amp; CT</a>	<a href="#">George E Huntley,Jr.</a>	<a href="#">MTNC MECH</a>	<a href="#">Maintenance Mechanic</a>	<a href="#">Chromium VI</a>	<a href="#">32.3</a>	<a href="#">2.3</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">042307RT001</a>	<a href="#">04/23/2007</a>	<a href="#">10158</a>	<a href="#">Wilmington- Sutton Fossil &amp; CT</a>	<a href="#">(blank)</a>	<a href="#">MTNC MECH</a>	<a href="#">Welding</a>	<a href="#">Chromium VI</a>	<a href="#">0.48</a>	<a href="#">0.23</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">042607EH</a>	<a href="#">04/27/2007</a>	<a href="#">10154</a>	<a href="#">Newport - Walters Hydro Plant</a>	<a href="#">George E Huntley,Jr.</a>	<a href="#">MTNC MECH</a>	<a href="#">Torch cutting</a>	<a href="#">Chromium VI</a>	<a href="#">0.121</a>	<a href="#">0.052</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">042607MT</a>	<a href="#">04/27/2007</a>	<a href="#">10154</a>	<a href="#">Newport - Walters Hydro Plant</a>	<a href="#">Matthew R Turner</a>	<a href="#">MTNC MECH</a>	<a href="#">Torch cutting</a>	<a href="#">Chromium VI</a>	<a href="#">0.079</a>	<a href="#">0.037</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">05-01-CP-PM</a>	<a href="#">11/04/2005</a>	<a href="#">10019</a>	<a href="#">Crystal River - Nuclear Plant</a>	<a href="#">(blank)</a>	<a href="#">WELD</a>	<a href="#">Welding</a>	<a href="#">Chromium VI</a>	<a href="#">0.12</a>	<a href="#">0.15</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">05-02-MK-PM</a>	<a href="#">11/04/2005</a>	<a href="#">10019</a>	<a href="#">Crystal River - Nuclear Plant</a>	<a href="#">(blank)</a>	<a href="#">WELD</a>	<a href="#">Welding</a>	<a href="#">Chromium VI</a>	<a href="#">0.25</a>	<a href="#">0.30</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">05-03-CP-PM</a>	<a href="#">11/06/2005</a>	<a href="#">10019</a>	<a href="#">Crystal River - Nuclear Plant</a>	<a href="#">(blank)</a>	<a href="#">WELD</a>	<a href="#">Welding</a>	<a href="#">Chromium VI</a>	<a href="#">0.73</a>	<a href="#">0.90</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">05-04-GA</a>	<a href="#">11/11/2005</a>	<a href="#">10019</a>	<a href="#">Crystal River - Nuclear Plant</a>	<a href="#">(blank)</a>	<a href="#">WELD</a>	<a href="#">Welding</a>	<a href="#">Chromium VI</a>	<a href="#">&lt;0.023</a>	<a href="#">&lt;0.021</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">050106BD1</a>	<a href="#">05/01/2006</a>	<a href="#">10168</a>	<a href="#">Hartsville - Robinson Fossil</a>	<a href="#">William R Davis,Jr.</a>	<a href="#">MTNC MECH</a>	<a href="#">Maintenance Mechanic</a>	<a href="#">Chromium VI</a>	<a href="#">&lt;0.322</a>	<a href="#">&lt;0.026</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">050106BD2</a>	<a href="#">05/01/2006</a>	<a href="#">10168</a>	<a href="#">Hartsville - Robinson Fossil</a>	<a href="#">William R Davis,Jr.</a>	<a href="#">MTNC MECH</a>	<a href="#">Maintenance Mechanic</a>	<a href="#">Chromium VI</a>	<a href="#">0.069</a>	<a href="#">0.051</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">050106CN</a>	<a href="#">05/01/2006</a>	<a href="#">10168</a>	<a href="#">Hartsville - Robinson Fossil</a>	<a href="#">John Wesley Norton,Jr.</a>	<a href="#">MTNC MECH</a>	<a href="#">Welding</a>	<a href="#">Chromium VI</a>	<a href="#">0.161</a>	<a href="#">0.17</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">050705RGI</a>	<a href="#">05/07/2005</a>	<a href="#">10168</a>	<a href="#">Hartsville - Robinson Fossil</a>	<a href="#">(blank)</a>	<a href="#">CGEN</a>	<a href="#">Welding</a>	<a href="#">Chromium VI</a>	<a href="#">0.084</a>	<a href="#">0.055</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">050705RGR</a>	<a href="#">05/07/2005</a>	<a href="#">10168</a>	<a href="#">Hartsville - Robinson Fossil</a>	<a href="#">(blank)</a>	<a href="#">CGEN</a>	<a href="#">Welding</a>	<a href="#">Chromium VI</a>	<a href="#">0.119</a>	<a href="#">0.078</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">051506JT</a>	<a href="#">05/15/2006</a>	<a href="#">10158</a>	<a href="#">Wilmington- Sutton Fossil &amp; CT</a>	<a href="#">Jeffrey L Townsend</a>	<a href="#">I&amp;C-ES</a>	<a href="#">INSPECTION</a>	<a href="#">Chromium VI</a>	<a href="#">&lt;0.199</a>	<a href="#">&lt;0.003</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">051707BULK</a>	<a href="#">05/25/2007</a>	<a href="#">10168</a>	<a href="#">Hartsville - Robinson Fossil</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>	<a href="#">Non-specific</a>	<a href="#">Chromium VI</a>	<a href="#">BULK</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>	<a href="#">0.0065</a>
<a href="#">051707GG</a>	<a href="#">05/25/2007</a>	<a href="#">10168</a>	<a href="#">Hartsville - Robinson Fossil</a>	<a href="#">Tommy G Gilbert</a>	<a href="#">MTNC MECH</a>	<a href="#">Non-specific</a>	<a href="#">Chromium VI</a>	<a href="#">0.441</a>	<a href="#">0.081</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>
<a href="#">051707MD</a>	<a href="#">05/25/2007</a>	<a href="#">10168</a>	<a href="#">Hartsville - Robinson Fossil</a>	<a href="#">Michael D DeBorja</a>	<a href="#">I&amp;C-TECH</a>	<a href="#">Non-specific</a>	<a href="#">Chromium VI</a>	<a href="#">0.44</a>	<a href="#">0.078</a>	<a href="#">(blank)</a>	<a href="#">(blank)</a>



[New Window](#)

**Exposure Monitoring**

**Sample Number:** 050106BD1

**\*Location:**  Hartsville - Robinson Fossil

**Employee ID:**

**\*Monitoring Date:**  **Sample/Activity Location:**

**Similar Exposure Group:**  Maintenance Mechanic **\*Job Task Code:**  Maintenance M

**Activities Monitored:**

**Comments:**

**Exposure/Noise Sources:**

**\*Agent Sampled:**  Chromium VI

Customize | Find | First 1 of 1 Last

*PPE	Equipment	Description
1	<input type="text" value="RESP"/> <input type="text" value="FAP"/>	Full Face Air Purifying

**\*Sample Type:**

**Sample Length:**

Customize | Find | First 1 of 1 Last

*Start Time	*End Time
-------------	-----------



1 RESP FAP Full Face Air Purifying + -

Sample Length: 30 Min

Customize   Find   First 1 of 1 Last	
*Start Time	*End Time
1 11:00AM	11:38AM + -

**Total Minutes:** 38

**Pump ID:** 13964

**Pre-Calibration Flowrate:** 2.028 L/Min **Average Flow Rate:** 2.034 L/Min

**Post-Calibration Flowrate:** 2.039 L/Min **Sample Volume:** 77.29 L

**Technician:** Hendrix,Walter B

**TWA Result:** <0.322 ug/m3

**8-Hr. TWA Result:** <0.026 ug/m3 **8 Hr. TWA Exposure Limit:** 5.000 ug/m3

**STEL Result:** ug/m3 **STEL Exposure Limit:** ug/m3

**Grab Result:** ug/m3 **Ceiling Exposure Limit:** ug/m3

Save Return to Search Previous in List Next in List Add Update/Disp



## Query Manager

Enter any information you have and click Search. Leave fields blank for a list of all values.

[Find an Existing Query](#) | [Create New Query](#)

\*Search By:  begins with

[Advanced Search](#)

## Search Results

\*Folder View:

\*Action:

Query								
Select	Query Name	Descr	Owner	Folder	Edit	Run to HTML	Run to Excel	Schedule
<input type="checkbox"/>	FQRY_EXPOSURE_BY_AGENT_SAMPLED		Public		<a href="#">Edit</a>	<a href="#">HTML</a>	<a href="#">Excel</a>	<a href="#">Schedule</a>
<input type="checkbox"/>	FQRY_EXPOSURE_BY_LOCATION		Public		<a href="#">Edit</a>	<a href="#">HTML</a>	<a href="#">Excel</a>	<a href="#">Schedule</a>
<input type="checkbox"/>	FQRY_EXPOSURE_EXCEL_PBLM		Public		<a href="#">Edit</a>	<a href="#">HTML</a>	<a href="#">Excel</a>	<a href="#">Schedule</a>

[Find an Existing Query](#) | [Create New Query](#)

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Address https://peoplesoft/psc/hrmpr89\_2/EMPLOYEE/HRMS/q/?ICQryName=FQRY\_EXPOSURE\_BY\_AGENT\_SAMPLED&ICDummy=17947

Links Best of the Web Customize Links Internet Start Microsoft ProgressNet Directory Total Rewards Windows Windows Marketplace

A2		Sample #					
	A	B	C	D	E	F	
1	FQRY_EXP	292					
2	Sample #	Location Description	Monitoring Date	Samp/Activ. Location	SEG	Job Task	Comment
3	06/09/06	Crystal River - Materials Pit	9/11/2006	SMC Crystal River site machine shop		WELD	Stick welding 309 sta
4	07-05-12	Crystal River - North Fossil	5/16/2007	SMC Weld Booth	WELD	WELD	Sample cassette plac
5	07-05-11	Crystal River - North Fossil	5/16/2007	SMC Weld Booth	WELD	WELD	Sample cassette plac
6	07-05-10	Crystal River - North Fossil	5/15/2007	SMC Weld booth	WELD	WELD	Weld Training, carbor
7	07-05-09	Crystal River - North Fossil	5/15/2007	SMC Weld booth	WELD	WELD	Weld training, carbon
8	07/02/06	Crystal River - North Fossil	2/14/2007	CrVI / Annual Certification / SMC weld booth	CWM	WELD	#####
9	07-02-06	Crystal River - North Fossil	2/14/2007	SMC Weld booth		WELD	Annual weld cert, 309
10	07/02/02	Crystal River - North Fossil	2/1/2007	CrVI / Annual Certification / SMC weld booth	WELD	WELD	Annual welding certifi
11	06/0905	Crystal River - North Fossil	9/11/2006	SMC Crystal River site machine shop		WELD	Stick welding 309 sta
12	06/09/02	Crystal River - North Fossil	9/6/2006	CRF Site Machine Shop	MECH	WELD	Stick welding with inc
13	06/09/01	Crystal River - North Fossil	9/6/2006	CRF Site Machine Shop	MECH	WELD	TIG welding with inco
14	06-08-05	Crystal River - North Fossil	8/24/2006	Crystal River SMC/Site machine shop weld boof	MECH	WELD	Annual welding certifi
15	06-08-04	Crystal River - North Fossil	8/22/2006	Crystal River U-4 5th and 6th elevations	MECH	CLEAN	#####
16	06-08-03	Crystal River - North Fossil	8/22/2006	Crystal River U-4 5th and 6th elevations	MECH	CLEAN	Vacuum, sweeping, a
17	06-08-02	Crystal River - North Fossil	8/22/2006	Crystal River U-4 5th and 6th elevations.	MECH	CLEAN	Vacuum, sweeping, a
18	06-08-01	Crystal River - North Fossil	8/22/2006	Crystal River U-4 5th and 6th elevations	MECH	CLEAN	Vacuum, sweeping, a
19	06-07-04	Crystal River - North Fossil	7/31/2006	Crystal River U-4 7th and 8th elevations.		CLEAN	Vacuum, sweeping, a
20	06-07-03	Crystal River - North Fossil	7/26/2006	Crystal River U-4 7th and 8th elevations.		CLEAN	Vacuum, sweeping, a
21	06-07-02	Crystal River - North Fossil	7/26/2006	Crystal River U-4 7th and 8th elevations.		CLEAN	Vacuum, sweeping, a
22	06-07-01	Crystal River - North Fossil	7/26/2006	Crystal River U-4 7th and 8th elevations.		CLEAN	Vacuum, sweeping, a
23	07/02/01	Crystal River - North Fossil	2/1/2007	CrVI / Annual Certification / SMC weld booth	WELD	WELD	Annual welding certifi
24	06CRN10	Crystal River - North Fossil	3/25/2006	CRN Boiler Tube Repair	MECH	WELD	Weld, Cut, Grind on S
25	06CRN09	Crystal River - North Fossil	3/25/2006	CRN U-5 Boiler Tube Repair	MECH	WELD	Weld, Cut, Grind on F
26	06CRN08	Crystal River - North Fossil	3/16/2006	CRN U-5 Boiler Tube Repair	MECH	MECH	Grind, Cut, Wire Brus
27	06CRN07	Crystal River - North Fossil	3/16/2006	CRN U-5 Boiler Tube Repair	MECH	MECH	Grind, Cut, Wire Brus

# Hexavalent Chromium Data Analysis



# Hexchrome Data Collection Form

- Work Process

- ◆ Welding, burning  
cutting, grinding,  
inspecting

- Welding

- ◆ TIG, MIG, stick

- Metals Data

- ◆ Base metal - %  
chrome
- ◆ Filler metal - %  
chrome

- Ventilation

- ◆ None
- ◆ General dilution
- ◆ Natural draft
- ◆ Local exhaust

# Results Categorized

- BS – Below Scope ( $< 0.5 \text{ ug/m}^3$ )
- SA – Scope to Action Level ( $\geq 0.5 - 2.5$ )
- AP – Action Level to PEL ( $\geq 2.5 - 5.0$ )
- P – Above PEL ( $> 5.0$ )

# Sample Table with Added Fields

Location Descr	Sample Location	SEG	Job Task	Work Process	Task Time Result	Vent	Weld Process	Base metal	Filler Metal
Crystal River - South Fossil	U#1 Weld Booth	WEL D	WEL D	W	AP	D	S	CR	CR
Crystal River - South Fossil	CRS Weld Booth.		WEL D	W	AP	D	S	CR	CR
Crystal River - North Fossil	SMC Weld Booth	WEL D	WEL D	W	AP	D	S	CR	CR

# Preliminary Conclusions

- Grinding and cutting: most results below scope
- MIG and TIG: low exposure potential unless numerous welders within area
- Stick welding exceeded PEL when filler is chrome

These are preliminary conclusions and additional data is needed.