

Exposure Pathway – Creation and Relation to an OEHSA

[1] It is recommended to create an Exposure Pathway (EP) “outside” of an OEHSA. Once the EP is made for a location, it can be linked back to the OEHSA section(s) as needed. EPs are location specific (i.e. must be made for each location), but can be reused on multiple OEHSAs at that same location.

[2] Open the EP folder from the menu tree (a) and add a new entry as needed with the (+) (b).

The screenshot shows the 'Exposure Pathways' interface. On the left is a 'Work Plan' and 'Environmental Health' menu tree. Callout 'a' points to the 'Exposure Pathways' folder under 'Base Camp ECHELON'. The main area displays a table of exposure pathways for 'Base Camp ECHELON'. Callout 'b' points to the '+' icon in the table header, used for adding new entries.

Exposure Pathway ID	Location	Name	Threat Source	Environmental Media	Health Hazard	Route of Exposure	Number of Affected Personnel	Start Date	Stop Date
7575	Base Camp ECHELON	Potable Water (Bottled)	Bottled water contamination	Water	(Chemicals, microorganisms, toxins, radionuclides)	Ingestion	200	Low	2019/01/01
7577	Base Camp ECHELON	Soil (Training Support Area)	Pot. contaminated soil from nearby cement kiln	Soil	(Chemicals, radionuclides)	Other	200	High	2019/01/01
7763	Base Camp ECHELON	Potable Water (WTS)(260)	Water treatment system contamination	Water	(Chemicals, microorganisms, toxins, radionuclides)	Other	200	Urgent	2019/01/01
7845	Base Camp ECHELON	Soil (Sandbag Fill Area)	Potentially contaminated sand from off-camp	Soil	(Chemicals, radionuclides)	Other	12	High	2019/01/01
7970	Base Camp ECHELON	Soil (Billeting Area)	Pot. contaminated soil from nearby cement kiln	Soil	(Chemicals, radionuclides)	Other	200	High	2020/06/08
7971	Base Camp ECHELON	Ambient Air (General)	Onsite and local/regional pollution sources	Air	(Chemicals, particulates)	Inhalation	200	Low	2020/06/08

[3a] Top of EP form.

The screenshot shows the 'Exposure Pathway - Detail' form. A callout box contains the following text and URL: "Details for creating EPs are outside the scope of this tutorial. Refer to Conceptual Site Model Best Practices and Exposure Pathway Guidance (TG 392) located here: <https://phc.amedd.army.mil/PHC%20Resource%20Library/ehse-hra-csm-best-practices-techguide.pdf>".

[3b] Bottom of EP form.

Note: Only users with the OEHSA QA role can add or edit EPs.

Existing Controls and Protective Measures *

Supporting Background Information *

Duration * Duration Range Other

Frequency * times / Frequency Range Other

Start Date * (yyyy/mm/dd)

Stop Date (yyyy/mm/dd)

Priority *

Comments

[4] Once an EP is made, it can be linked to any applicable section of the OEHSA. The Yes/No radio button (a) in the OEHSA section triggers the need to link an EP to that section via the (+) (b). If Yes is selected, an EP must be linked to set the status as 'Ready for QA'.

9. Air Quality

[Ambient \(Outside\) Air Quality](#) [Indoor Air Quality \(IAQ\)](#)

Ambient (Outside) Air Quality Describe sources and their locations that impact the ambient air and/or introduce potential hazards:

Do ambient air quality sources have the potential to affect personnel? Yes No If Yes, complete Exposure Pathway below.

Ambient Air Quality Exposure Pathways

Exposure Pathways

Results 1-6 of 6 records found. Other Actions

Please select Exposure Pathways to add to the OEHSA section.

Location Name: Base Camp ECHELON
Applicable OEHSA Section: Air Quality - Ambient (Outside) Air Quality

Select	Exposure Pathway ID	Location	Name	Threat Source	Environmental Media	Health Hazard	Route of Exposure	Number of Affected Personnel	Priority	Start Date	Stop Date
<input checked="" type="checkbox"/>	7971	Base Camp ECHELON	Ambient Air (General)	Onsite and local/regional pollution sources	Air	(Chemicals, particulates)	Inhalation	200	Low	2020/06/08	
<input type="checkbox"/>	7970	Base Camp ECHELON	Soil (Billeting Area)	Pot. contaminated soil from nearby cement kiln	Soil	(Chemicals, radionuclides)	Other	200	High	2020/06/08	
<input type="checkbox"/>	7845	Base Camp ECHELON	Soil (Sandbag Fill Area)	Potentially contaminated from off-camp			Other	12	High	2019/01/01	
<input type="checkbox"/>	7763	Base Camp ECHELON	Potable Water (WTS) (260)	Water treatment system contamination			Other	200	Urgent	2019/01/01	
<input type="checkbox"/>	7577	Base Camp ECHELON	Soil (Training Support Area)	Pot. contam. soil from nearby cement kiln			Other	200	High	2019/01/01	
<input type="checkbox"/>	7575	Base Camp ECHELON	Potable Water (Bottled)	Bottled water contamination			Ingestion	200	Low	2019/01/01	

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The EP is easy to associate because it was already created in step 2.

Note: You do not need the OEHSA QA role to associate EPs to an OEHSA, that role is only needed to add or edit the EPs and/or approve the OEHSA.

9. Air Quality

[Ambient \(Outside\) Air Quality](#)
[Indoor Air Quality \(IAQ\)](#)

Ambient (Outside) Air Quality Describe sources and their locations that impact the ambient air and/or introduce potential hazards:

Do ambient air quality sources have the potential to affect personnel? Yes No If Yes, complete Exposure Pathway below.

Ambient Air Quality Exposure Pathways + ▲

Select	Threat Source	Stop Date	Environ Media	Health Hazard	Route of Exposure	Number of Affected Personnel(#)	Existing Controls	Duration	Frequency	Priority
<input type="checkbox"/>	Onsite and local/regional pollution sources		Air	(Chemicals, particulates)	Inhalation	All site personnel(200)	None	1 year	Other: default	Low
Disassociate Selected Item(s)										

The same EP can be used on multiple sections.

6. Waste Management

[Solid Waste](#)
[Landfills](#)
[Incinerators/Burn Pits](#)
[Wastewater](#)

Incinerators/Burn Pits Present Absent If Present, list below.

Incinerators/Burn Pits + ▲

There are currently no incinerators; you may add incinerators by clicking on the plus image on the right.

Do the emissions from the Incinerator/Burn Pit have the potential to affect personnel? Yes No If Yes, complete Exposure Pathway below.

Incinerators/Burn Pits Exposure Pathways + ▲

Select	Threat Source	Stop Date	Environ Media	Health Hazard	Route of Exposure	Number of Affected Personnel(#)	Existing Controls	Duration	Frequency	Priority
<input type="checkbox"/>	Onsite and local/regional pollution sources		Air	(Chemicals, particulates)	Inhalation	All site personnel(200)	None	1 year	Other: default	Low
Disassociate Selected Item(s)										