



New Hampshire Department of Environmental Services  
DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION  
RCRA Corrective Action  
Environmental Indicator (EI) RCRIS code (CA725)  
Current Human Exposures Under Control

RCRA RECORDS CENTER  
FACILITY SANMINA CORP  
ID: NHD046812559  
FILE NO. R-13  
OTHER #106595

Facility Name: Sanmina Corporation – SCI Facility (Former Hadco Facility)  
Facility Address: 7 Manchester Road, Derry, NH  
Facility EPA ID #: NHD 046312559  
DES Site #: 198401037

- 1. Has all available relevant/significant information on known and reasonably suspected releases to soil, groundwater, surface water/sediments, and air, subject to RCRA Corrective Action (e.g., from Solid Waste Management Units (SWMU), Regulated Units (RU), and Areas of Concern (AOC)), been considered in this EI determination?

X	If yes - check here and continue with #2 below
	If no - re-evaluate existing data

- 2. Are groundwater, soil, surface water, sediments, or air media known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from releases subject to RCRA Corrective Action (from SWMUs, RUs or AOCs)?

	YES	NO	?	RATIONAL
Groundwater	X			SEE BELOW
Air (indoors)			n/a	No buildings on site
Surface Soil, 2 feet or less		X		Soil remediated to applicable standard
Surface Water		X		No surface water impacts
Sediment			n/a	No sediment impacts
Air (outdoors)			n/a	
Subsurf. Soil (e.g., >2 ft)		X		Soil remediated to applicable standard

Groundwater exceeds Ambient Groundwater Quality Standards for VOCs (PCE, TCE, TCA, DCE and DCA).  
See file # DES 198401037 for detail.

	If no (for all media) - skip to #6, and enter "YE," status code after providing or citing appropriate "levels," and referencing sufficient supporting documentation demonstrating that these "levels" are not exceeded.
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X	If yes (for any media) – continue after identifying key contaminants in each “contaminated” medium, citing appropriate “levels” (or provide an explanation for the determination that the medium could pose an unacceptable risk), and referencing supporting documentation.
	If unknown (for any media) - skip to #6 and enter “IN” status code

Rationale and Reference:

Groundwater is treated and contained.  
See Groundwater Management Permit GWP-198401037-D-001

Soil remediated to meet DES RCMP S-2 soil standard.  
See Remedial Completion Report – Source Area Remediation dated April 18, 2007

Footnotes:

<sup>1</sup> “Contamination” and “contaminated” describes media containing contaminants (in any form, NAPL and/or dissolved, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriately protective risk-based “levels” (for the media, that identify risks within the acceptable risk range).

3. Are there complete pathways between “contamination” and human receptors such that exposures can be reasonably expected under the current (land- and groundwater-use) conditions? **NONE**

Summary Exposure Pathway Evaluation Table  
Potential Human Receptors (Under Current Conditions)

Contaminated Media, Recreation, Food <sup>3</sup>	Residents	Workers	Day-Care	Construction	Trespassers
Groundwater	NO	NO	NO	NO	NO
Air (indoors)					
Surface Soil, 2-foot or less					
Surface Water					
Sediment					
Air (outdoors)					

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Instructions for Summary Exposure Pathway Evaluation Table:

1. Strike-out specific Media including Human Receptors' spaces for Media which are not "contaminated") as identified in #2 above.
2. enter "yes" or "no" for potential "completeness" under each "Contaminated" Media -- Human Receptor combination (Pathway).

Note: In order to focus the evaluation to the most probable combinations some potential "Contaminated" Media - Human Receptor combinations (Pathways) do not have check spaces ("\_\_\_"). While these combinations may not be probable in most situations they may be possible in some settings and should be added as necessary.

X	If no (pathways are not complete for any contaminated media-receptor combination) - skip to #6, and enter "YE" status code, after explaining and/or referencing condition(s) in-place, whether natural or man-made, preventing a complete exposure pathway from each contaminated medium (e.g., use optional <u>Pathway Evaluation Work Sheet</u> to analyze major pathways).
	If yes (pathways are complete for any "Contaminated" Media - Human Receptor combination) - continue after providing supporting explanation.

If unknown (for any "Contaminated" Media - Human Receptor combination) - skip to #6 and enter "IN" status code

Rationale and Reference(s):

- 4 Can the exposures from any of the complete pathways identified in #3 be reasonably expected to be "significant"<sup>4</sup> (i.e., potentially "unacceptable" because exposures can be reasonably expected to be: 1) greater in magnitude (intensity, frequency and/or duration) than assumed in the derivation of the acceptable "levels" (used to identify the "contamination"); or 2) the combination of exposure magnitude (perhaps even though low) and contaminant concentrations (which may be substantially above the acceptable "levels") could result in greater than acceptable risks)?

	If no (exposures can not be reasonably expected to be significant (i.e., potentially "unacceptable") for any complete exposure pathway) - skip to #6 and enter "YE" status code after explaining and/or referencing documentation justifying why the exposures (from each of the complete pathways) to "contamination" (identified in #3) are not expected to be "significant."
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	If yes (exposures could be reasonably expected to be "significant" (i.e., potentially "unacceptable") for any complete exposure pathway) - continue after providing a description (of each potentially "unacceptable" exposure pathway) and explaining and/or referencing documentation justifying why the exposures (from each of the remaining complete pathways) to "contamination" (identified in #3) are not expected to be "significant."
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If unknown (for any complete pathway) - skip to #6 and enter "IN" status code

Rationale and Reference(s):

- 5 Can the "significant" exposures (identified in #4) be shown to be within acceptable limits?

	If yes (all "significant" exposures have been shown to be within acceptable limits) - continue and enter "YE" after summarizing <u>and</u> referencing documentation justifying why all "significant" exposures to "contamination" are within acceptable limits (e.g., a site-specific Human Health Risk Assessment).
	If no (there are current exposures that can be reasonably expected to be "unacceptable")- continue and enter "NO" status code after providing a description of each potentially "unacceptable" exposure.

If unknown (for any potentially "unacceptable" exposure) - continue and enter "IN" status code

Rationale and Reference(s):

6. Check the appropriate RCRIS status codes for the Current Human Exposures Under Control EI event code (CA725), and obtain Supervisor (or appropriate Manager) signature and date on the EI determination below (All documentation must be referenced for future reference):

X	YES - Yes, "Current Human Exposures Under Control" has been verified. Based on a review of the information contained in this EI Determination. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.
	NO - "Current Human Exposures" are NOT "Under Control."
	IN - More information is needed to make a determination.

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Date 09/25/2007

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(print) Kenneth Kettenring  
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Date 09/25/2007

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REV'D BY FRANK BITTNER  
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9/26/07

Reviewed by ACTING CHIEF  
9/27/07