REGION 10 ANNOTATED VERSION -- June 12, 2000 DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION

Interim Final 2/5/99

RCRA Corrective Action Environmental Indicator (EI) RCRIS code (CA725)

Current Human Exposures Under Control

Facility Name: TOXGON CORPORATION

Facility Address: 631 SOUTH 96TH STREET, SEATTLE, WA 98108

Facility EPA ID #: WAD061669644

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, or
	if data are not available skip to #6 and enter "IN" (more information needed) status

BACKGROUND

<u>Definition of Environmental Indicators (for the RCRA Corrective Action)</u>

Environmental Indicators (EI) are measures being used by the RCRA Corrective Action program to go beyond programmatic activity measures (e.g., reports received and approved, etc.) to track changes in the quality of the environment. The two EI developed to-date indicate the quality of the environment in relation to current human exposures to contamination and the migration of contaminated groundwater. An EI for non-human (ecological) receptors is intended to be developed in the future.

EI determinations are intended to be a "snapshot" of current site conditions, and should NOT require additional data to be gathered at the time an EI determination is made. Even if available data are clearly insufficient to determine the nature and extent of contamination or whether cleanup standards are met, it is perfectly acceptable to check "yes" for question #1 as long as whatever data <u>currently</u> available has been considered. When data currently available are considered but are insufficient for EI determinations, such a conclusion should be indicated in question 3 for pathways and question 4 for exposures.

Note: Even though only currently available data should be used for EI determinations, the process of making EI determinations may well identify data gaps that need to be filled through the corrective action process.

Definition of "Current Human Exposures Under Control" EI

A positive "Current Human Exposures Under Control" EI determination ("YE" status code) indicates that there are no "unacceptable" human exposures to "contamination" (i.e., contaminants in concentrations in excess of appropriate risk-based levels) that can be reasonably expected under current land- and groundwater-use conditions (for all "contamination" subject to RCRA corrective action at or from the identified facility (i.e., site-wide)).

Relationship of EI to Final Remedies

While Final remedies remain the long-term objective of the RCRA Corrective Action program the EI are near-term objectives which are currently being used as Program measures for the Government Performance and Results Act of 1993, GPRA). The "Current Human Exposures Under Control" EI are for reasonably expected human exposures

under current land- and groundwater-use conditions ONLY, and do not consider potential future land- or groundwater-use conditions or ecological receptors. The RCRA Corrective Action program's overall mission to protect human health and the environment requires that Final remedies address these issues (i.e., potential future human exposure scenarios, future land and groundwater uses, and ecological receptors).

Duration / Applicability of EI Determinations

EI Determinations status codes should remain in RCRIS national database ONLY as long as they remain true (i.e., RCRIS status codes must be changed when the regulatory authorities become aware of contrary information).

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)?

In many cases, available sampling and analytical data will be insufficient to fully document whether or not contaminant levels in the various media are above or below appropriate risk-based levels. For purposes of making EI determinations, it is entirely appropriate to use sound professional judgement as to whether particular media are or are not contaminated. For example, at a site with metal contamination in groundwater, professional judgement could easily be used to determine that no air (indoor or outdoor) contamination had occured. This is particularly important when a phased approach is used for site characterization or corrective action - if characterization of a particular portion of a site has been deferred under a phased approach on the basis that that area is not believed to be contaminated and this belief is reasonably supported by an analysis of historical activities, processs knowledge or other information, then it is quite reasonable to conclude that media in that area are not "contaminated" as part of a site-wide EI determination. Should data contradicting the initial phased-investigation presumption be gathered later in the site characterization process, it can easily be reflected in an updated EI determination. Deferral of a particular area as being low priority but still or likely to be contaminated should be reflected by a "no" or "in" EI.

	<u>Yes</u>	<u>No</u>	?	Rationale / Key Contaminants
Groundwater Air (indoors) ² Surface Soil (e.g., <2 ft) Surface Water Sediment		_X _X _X _X	 	Dioxins/furans above MTCA residential cleanup standards
Subsurf. Soil (e.g., >2 ft) Air (outdoors)		_X_ _X_		

	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.
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(s): TOXGON Corporation has completed RCRA interim status clean closure for its former thermal treatment unit and indoor/outdoor container storage units. Refer to RCRA Interim Status Clean Closure Report, ToxGon/Penberthy Site, Seattle Washington, August 8, 2002. Offsite dioxin/furan sediment contamination within Hamm Creek shall be removed within the next 6 months. The contaminated sediment is localized to a small area of the creek and does not appear to pose a threat to human health and the environment in its current location.

Footnotes:

¹ "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).

² Recent evidence (from the Colorado Dept. of Public Health and Environment, and others) suggest that unacceptable indoor air concentrations are more common in structures above groundwater with volatile contaminants than previously believed. This is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration necessary to be reasonably certain that indoor air (in structures located above (and adjacent to) groundwater with volatile contaminants) does not present unacceptable risks.

The rationale/key contaminants should have a brief note of the "principle threat" contaminants (those that most significantly drive cleanup decisions), as well as a reference to key documents, if any. A note as to which particular risk-based standard is being used as the basis of comparison should also be included. For complex documents, a note to the particular section, table, etc. from which data or standards are selected should be provided, as it is often difficult to verify data out of context.

Are there complete pathways between "contamination" and human receptors such that exposures can be 3. reasonably expected under the current (land- and groundwater-use) conditions?

Summary Exposure Pathway Evaluation Table

Potential Human Receptors	(Under Current Conditions)
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	Po	tential <u>Hu</u>	ıman Rece	ptors (Under	Current Cond	ditions)	
"Contaminated" Med Groundwater Air (indoors) Soil (surface, e.g., <2 Surface Water Sediment Soil (subsurface e.g., > Air (outdoors)	ft)	Workers	Day-Care	Construction —— —— —— ——	Trespassers	Recreation	Food ³
For sediments (if not oth subsistence food source direct ingestion.							
Instructions for Summa	ary Exposure Pa	athway Ev	aluation Ta	ible:			
	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).					Human	
Note: In order to focus Media - Human Recep combinations may not added as necessary.	tor combination	ıs (Pathwa	ys) do not	have check sp	aces ("").	While these	
skip in-pl each	(pathways are to #6, and enter ace, whether na contaminated r r pathways).	· "YE" sta tural or m	tus code, at an-made, p	ter explaining reventing a co	and/or reference and/or	encing conditions	ion(s) from
	s (pathways are pination) - conti					nan Receptor	
	known (for any enter "IN" statu		inated" Me	dia - Human F	Receptor com	bination) - sk	ip to #6
	t: In this instar mental indicato		g "NO" cor	nplete pathwa	ys exist trans	lates to a	

Rationale and Reference(s): TOXGON Corporation has completed RCRA interim status clean closure for its former thermal treatment unit and indoor/outdoor container storage units. Refer to RCRA Interim Status Clean Closure Report, ToxGon/Penberthy Site, Seattle Washington, August 8, 2002. Offsite dioxin/furan sediment contamination within Hamm Creek shall be removed within the next 6 months. The contaminated sediment is localized to a small area of the creek and does not appear to pose a threat to human health and the environment in its current location. Natural brush barriers and property fencing prohibit trespassers from entering the area.

³ Indirect Pathway/Receptor (e.g., vegetables, fruits, crops, meat and dairy products, fish, shellfish, etc.)

"significant" (in greater in magnitude "levels" (used to though low) and	res from any of the complete pathways identified in #3 be reasonably expected to be i.e., potentially "unacceptable" because exposures can be reasonably expected to be: 1) itude (intensity, frequency and/or duration) than assumed in the derivation of the acceptable identify the "contamination"); or 2) the combination of exposure magnitude (perhaps even a contaminant concentrations (which may be substantially above the acceptable "levels") reater 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."
	See Semantic Alert above.
	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."
	If unknown (for any complete pathway) - skip to #6 and enter "IN" status code
Rationale and R	eference(s):

⁴ If there is any question on whether the identified exposures are "significant" (i.e., potentially "unacceptable") consult a human health Risk Assessment specialist with appropriate education, training and experience.

In general, EI's (if not cleanup standards themselves) can be met through a combination of reduction of contaminant concentrations (assuming that concentrations have been unacceptable) and (physical) engineering or institutional controls that interrupt an exposure pathway. For purposes of EI determinations, however, institutional or engineering controls do not need to have the sophistication, permanence, or legal defensibility as would be necessary for a final corrective action remedy. Rather, they need to be functional and reasonable - should the controls later be found to be no longer effective, the finding can easily be reflected in an updated EI determination.

An example might be the existence of off-site groundwater contamination that might pose risks to utility workers outside of the facility boundary. In this instance, evidence of an agreement between the facility and the utility that excavations would not occur in the contaminated area without appropriate protective gear would be acceptable for meeting the human exposures controlled EI.

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Can the "signific	cant" 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
arriving at whateve	s question should include a brief description of the analysis and assumptions used in r conclusion is reached. The description does not have to be particularly detailed, but it ader to gain a basic understanding of the reasoning employed by the decision-maker.
Rationale and R	eference(s):

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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 (and attach appropriate supporting documentation as well as a map of the facility):				
	X	YE - Yes, "Current Human Exposures Under Control" has been verified. Based on a review of the information contained in this EI Determination, "Current Human Exposures" are expected to be "Under Control" at the ToxGon Corporation (Former Penberthy Electromelt International Facility), EPA ID # WAD061669644 , located at 631 SOUTH 96 TH STREET, SEATTLE, WA 98108 under current and reasonably expected conditions. 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.			
	Completed by	Date: 08/28/02 Dean Yasuda Environmental Engineer Hazardous Waste and Toxics Reduction Section Washington State Department of Ecology, Northwest Regional Office			
	Supervisor	Julie Sellick Hazardous Waste and Toxics Reduction Section, Section Manager Washington State Department of Ecology, Northwest Regional Office			
	Locations where	e References may be found:			
	All reports and	correspondence can be located at:			
	Northwest 3190 160 th	VA 98008-5452			
	Contact telephor	ne and e-mail numbers			

FINAL NOTE: THE HUMAN EXPOSURES EI IS A QUALITATIVE SCREENING OF EXPOSURES AND THE DETERMINATIONS WITHIN THIS DOCUMENT SHOULD NOT BE USED AS THE SOLE BASIS FOR RESTRICTING THE SCOPE OF MORE DETAILED (E.G., SITE-SPECIFIC) ASSESSMENTS OF RISK.

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REGION 10 ANNOTATED VERSION -- JUNE 12, 2000 DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION

Interim Final 2/5/99

RCRA Corrective Action Environmental Indicator (EI) RCRIS code (CA750)

Migration of Contaminated Groundwater Under Control

Facility Name: TOXGON CORPORATION

Facility Address: 631 SOUTH 96TH STREET, SEATTLE, WA 98108

Facility EPA ID #: WAD061669644

1.	groundwater med	relevant/significant information on known and reasonably suspected releases to the dia, subject to RCRA Corrective Action (e.g., from Solid Waste Management Units ated 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, or
		if data are not available, skip to #8 and enter"IN" (more information needed) status code.

BACKGROUND

Definition of Environmental Indicators (for the RCRA Corrective Action)

Environmental Indicators (EI) are measures being used by the RCRA Corrective Action program to go beyond programmatic activity measures (e.g., reports received and approved, etc.) to track changes in the quality of the environment. The two EI developed to-date indicate the quality of the environment in relation to current human exposures to contamination and the migration of contaminated groundwater. An EI for non-human (ecological) receptors is intended to be developed in the future.

Definition of "Migration of Contaminated Groundwater Under Control" EI

A positive "Migration of Contaminated Groundwater Under Control" EI determination ("YE" status code) indicates that the migration of "contaminated" groundwater has stabilized, and that monitoring will be conducted to confirm that contaminated groundwater remains within the original "area of contaminated groundwater" (for all groundwater "contamination" subject to RCRA corrective action at or from the identified facility (i.e., site-wide)).

Relationship of EI to Final Remedies

While Final remedies remain the long-term objective of the RCRA Corrective Action program the EI are near-term objectives which are currently being used as Program measures for the Government Performance and Results Act of 1993, GPRA). The "Migration of Contaminated Groundwater Under Control" EI pertains ONLY to the physical migration (i.e., further spread) of contaminated ground water and contaminants within groundwater (e.g., non-aqueous phase liquids or NAPLs). Achieving this EI does not substitute for achieving other stabilization or final remedy requirements and expectations associated with sources of contamination and the need to restore, wherever practicable, contaminated groundwater to be suitable for its designated current and future uses.

Duration / Applicability of EI Determinations

EI Determinations status codes should remain in RCRIS national database ONLY as long as they remain true (i.e., RCRIS status codes must be changed when the regulatory authorities become aware of contrary information).

2.	Is groundwater known or reasonably suspected to be " contaminated " above appropriately protective "levels" (i.e., applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from releases subject to RCRA Corrective Action, anywhere at, or from, the facility?				
		If yes - continue after identifying key contaminants, citing appropriate "levels," and referencing supporting documentation.			
	_X	If no - skip to #8 and enter "YE" status code, after citing appropriate "levels," and referencing supporting documentation to demonstrate that groundwater is not "contaminated."			
		If unknown - skip to #8 and enter "IN" status code.			
therm Repor withir	al treatment unit and t, ToxGon/Penberth a Hamm Creek shall	s): TOXGON Corporation has completed RCRA interim status clean closure for its former d indoor/outdoor container storage units. Refer to RCRA Interim Status Clean Closure by Site, Seattle Washington, August 8, 2002. Offsite dioxin/furan sediment contamination be removed within the next 6 months. The contaminated sediment is localized to a small s not appear to pose a threat to human health and the environment in its current location.			
Footn	otes:				
		"and "contaminated" describes media containing contaminants (in any form, NAPL, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriate			

"levels" (appropriate for the protection of the groundwater resource and its beneficial uses).

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3. Has the **migration** of contaminated groundwater **stabilized** (such that contaminated groundwater is expected to remain within "existing area of contaminated groundwater" as defined by the monitoring locations designated at the time of this determination)?

contamination. or sound profess	ocuses ONLY on the movement of contaminated groundwater, not the level of A "YES" response should be arrived at if, through interpretation of groundwater flow data sional judgement, groundwater contamination can be shown to not be expanding in spatial feetly acceptable to have a "YE" groundwater EI if:
1) 2) further;	contaminated groundwater is located off-site but not migrating further; contaminated groundwater is contaminated above cleanup standards, but not migrating
Guidance, Dire	natural attenuation is occurring such that the rate of attenuation (through any of the nuation mechanisms and in accordance with EPA's Monitored Natural Attenuation ctive 9200.4-17 - December 1997 Use of Monitored Natural Attenuation at Corrective such that the outer boundaries of the plume are not expanding.
	If yes - continue, after presenting or referencing the physical evidence (e.g., groundwater sampling/measurement/migration barrier data) and rationale why contaminated groundwater is expected to remain within the (horizontal or vertical) dimensions of the "existing area of groundwater contamination" ²).
	If no (contaminated groundwater is observed or expected to migrate beyond the designated locations defining the "existing area of groundwater contamination" ²) - skip to #8 and enter "NO" status code, after providing an explanation.
	If unknown - skip to #8 and enter "IN" status code.
Rationale and	d Reference(s):

2 "existing area of contaminated groundwater" is an area (with horizontal and vertical dimensions) that has been verifiably demonstrated to contain all relevant groundwater contamination for this determination, and is defined by designated (monitoring) locations proximate to the outer perimeter of "contamination" that can and will be sampled/tested in the future to physically verify that all "contaminated" groundwater remains within this area, and that the further migration of "contaminated" groundwater is not occurring. Reasonable allowances in the proximity of the monitoring locations are permissible to incorporate formal remedy decisions (i.e., including public participation) allowing a limited area for natural attenuation.

Ι	Does "contaminated" groundwater discharge into surface water bodies? If yes - continue after identifying potentially affected surface water bodies.
	If no - skip to #7 (and enter a "YE" status code in #8, if #7 = yes) after providing ar explanation and/or referencing documentation supporting that groundwater "contamination" does not enter surface water bodies.
	If unknown - skip to #8 and enter "IN" status code.
R	Pationale and Reference(s):
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maximum appropriate discharging	narge of "contaminated" groundwater into surface water likely to be "insignificant" (i.e., the concentration ³ of each contaminant discharging into surface water is less than 10 times their groundwater "level," and there are no other conditions (e.g., the nature, and number, of g contaminants, or environmental setting), which significantly increase the potential for only impacts to surface water, sediments, or eco-systems at these concentrations)?
_	If yes - skip to #7 (and enter "YE" status code in #8 if #7 = yes), after documenting: 1) the maximum known or reasonably suspected concentration ³ of <u>key</u> contaminants discharged above their groundwater "level," the value of the appropriate "level(s)," and if there is evidence that the concentrations are increasing; and 2) provide a statement of professional judgement/explanation (or reference documentation) supporting that the discharge of groundwater contaminants into the surface water is not anticipated to have unacceptable impacts to the receiving surface water, sediments, or eco-system.
_	If no - (the discharge of "contaminated" groundwater into surface water is potentially significant) - continue after documenting: 1) the maximum known or reasonably suspected concentration ³ of <u>each</u> contaminant discharged above its groundwater "level," the value of the appropriate "level(s)," and if there is evidence that the concentrations are increasing; and 2) for any contaminants discharging into surface water in concentrations greater than 100 times their appropriate groundwater "levels," the estimated total amount (mass in kg/yr) of each of these contaminants that are being discharged (loaded) into the surface water body (at the time of the determination), and identify if there is evidence that the amount of discharging contaminants is increasing.
_	If unknown - enter "IN" status code in #8.
Rationale a	and Reference(s):

³ As measured in groundwater prior to entry to the groundwater-surface water/sediment interaction (e.g., hyporheic) zone.

).	acceptable" (i.e	e., not cause impacts to surface water, sediments or eco-systems that should not be allowed a final remedy decision can be made and implemented ⁴)?
		If yes - continue after either: 1) identifying the Final Remedy decision incorporating these conditions, or other site-specific criteria (developed for the protection of the site's surface water, sediments, and eco-systems), and referencing supporting documentation demonstrating that these criteria are not exceeded by the discharging groundwater; OR 2) providing or referencing an interim-assessment, appropriate to the potential for impact, that shows the discharge of groundwater contaminants into the surface water is (in the opinion of a trained specialists, including ecologist) adequately protective of receiving surface water, sediments, and eco-systems, until such time when a full assessment and final remedy decision can be made. Factors which should be considered in the interim-assessment (where appropriate to help identify the impact associated with discharging groundwater) include: surface water body size, flow, use/classification/habitats and contaminant loading limits, other sources of surface water/sediment contamination, surface water and sediment sample results and comparisons to available and appropriate surface water and sediment "levels," as well as any other factors, such as effects on ecological receptors (e.g., via bio-assays/benthic surveys or site-specific ecological Risk Assessments), that the overseeing regulatory agency would deem appropriate for making the EI determination.
		If no - (the discharge of "contaminated" groundwater can not be shown to be " currently acceptable ") - skip to #8 and enter "NO" status code, after documenting the currently unacceptable impacts to the surface water body, sediments, and/or eco-systems.
		If unknown - skip to 8 and enter "IN" status code.

When considering discharge of groundwater to surface water, it is important to remember that some discharges may be considered acceptable - it is not necessary to demonstrate that there are no discharges, or that groundwater meets surface water criteria at the point of discharge, as may be the case with final cleanup levels. As with human exposures controlled and other groundwater criteria, sound professional judgement may be used in evaluating the impact of groundwater to surface water.

The GW/SW component of the 750 EI really has three parts: 1) is there a discharge; 2) is the discharge insignificant; and 3) is the discharge currently acceptable (questions 4-6, respectively). A YE EI may be obtained if appropriate responses can be made through following this three-step analysis (no discharge, discharge insignificant, or discharge acceptable, respectively). Note that the level of supporting analysis and/or data increases as you progress through these three steps - a finding that a discharge is acceptable for a particular water body requires a considerably more complex analysis than a finding that there is no discharge.

Another point to recognize is that surface water issues often involve ecological risk considerations, and that such ecological evaluations often require specialized professional evaluation. Never the less, the quantity of data and effort required for analysis of groundwater/surface water EI questions should not be significantly different than what is required for human exposures or other groundwater questions. Evaluation of surface water from an EI perspective should not require a disproportionate effort.

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Rationale and Reference(s):				

⁴ Note, because areas of inflowing groundwater can be critical habitats (e.g., nurseries or thermal refugia) for many species, appropriate specialist (e.g., ecologist) should be included in management decisions that could eliminate these areas by significantly altering or reversing groundwater flow pathways near surface water bodies.

⁵ The understanding of the impacts of contaminated groundwater discharges into surface water bodies is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration to be reasonably certain that discharges are not causing currently unacceptable impacts to the surface waters, sediments or eco-systems.

7.	Will groundwater monitoring / measurement data (and surface water/sediment/ecological data, as necessary) be collected in the future to verify that contaminated groundwater has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area of contaminated groundwater?"				
	sampl which groun	- continue after providing or citing documentation for planned activities or future ing/measurement events. Specifically identify the well/measurement locations will be tested in the future to verify the expectation (identified in #3) that dwater contamination will not be migrating horizontally (or vertically, as sary) beyond the "existing area of groundwater contamination."			
	If no -	- enter "NO" status code in #8.			
	If unk	nown - enter "IN" status code in #8.			
	Rationale and Reference	e(s):			

8.	Check the appropriate RCRIS status codes for the Migration of Contaminated Groundwater Under Control EI (event code CA750), and obtain Supervisor (or appropriate Manager) signature and date on the EI determination below (attach appropriate supporting documentation as well as a map of the facility).				
	_X	YE - Yes, "Migration of Contaminated Groundwater Under Control" has been verified. Based on a review of the information contained in this EI determination, it has been determined that the "Migration of Contaminated Groundwater" is "Under Control" at the ToxGon Corporation (formerly Penberthy Electromelt International facility), EPA ID # WAD061669644, located at 631 SOUTH 96 TH STREET, SEATTLE, WA 98108. Specifically, this determination indicates that the migration of "contaminated" groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the "existing area of contaminated groundwater" This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.			
		NO - Unacceptable migration of contaminated groundwater is observed or expected.			
		IN - More information is needed to make a determination.			
	Completed by	Date: 08/28/02 Dean Yasuda Environmental Engineer Hazardous Waste and Toxics Reduction Section Washington State Department of Ecology, Northwest Regional Office			
	Supervisor	Julie Sellick Hazardous Waste and Toxics Reduction Section, Section Manager Washington State Department of Ecology, Northwest Regional Office			
	Locations where	References may be found:			
	All reports and correspondence can be located at:				
	Northwest 3 190 160 th A	VA 98008-5452			
	Contact telephone and e-mail numbers				

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