QUICK REFERENCE FOR STATUS OF ENVIRONMENTAL INDICATORS					
Name and EPA I.D. Number	Location (City or Town)	Current CA725 Decision	Current CA750 Decision	If Current Decision is Negative, Projected Date for Positive EI	
				CA725	CA750
Safety Kleen Tampa FLD 980 847 271	Tampa, Florida	YE	YE	NA	NA

Subject: Evaluation of Safety Kleen Tampa status under the RCRA Info Corrective Action Environmental Indicator Event Codes (CA725 and CA750)
EPA I.D. Number: FLD 980 847 271

From: Merlin D. Russell, Jr.
Professional Geologist III
FDEP RCRA Permitting Manager

To: Bryan Baker
FDEP RCRA Program Administrator

Date: May 12, 2015

I. PURPOSE OF MEMO

This memo is written to formalize an evaluation of Safety Kleen Tampa's status in relation to the following corrective action event codes defined in the Resource Conservation and Recovery Information System (RCRA Info):

1) Current Human Exposures Under Control (CA725), and

2) Migration of Contaminated Groundwater Under Control (CA750).

Concurrence by the FDEP RCRA Program Administrator is required prior to entering these event codes into RCRIS. Your concurrence with the interpretations provided in the following paragraphs and the subsequent recommendations is satisfied by dating and signing at the appropriate location within Attachments 1 and 2. This memorandum was developed by Merlin D. Russell Jr.

II. HISTORY OF ENVIRONMENTAL INDICATOR EVALUATIONS AT THE FACILITY AND REFERENCE DOCUMENTS

This particular evaluation is the second evaluation for Safety Kleen Tampa. The results of the first evaluation (dated September 30, 1996) indicated a Status Code of “YE” for both CA725 and CA750. This second evaluation is to determine whether these status codes have

changed based on recently submitted information.

The documents used in preparation of this second evaluation include:

1. *Confirmatory Sampling Report* dated December 16, 2011
2. *Septic System Plan/Report* dated February 6, 2012.
3. e-mail notification that the septic tank was taken off line on April 22, 2014 dated May 6, 2014.
4. *Natural Attenuation Monitoring Report #8 and Site Rehabilitation Completion Report with a No Further Action Proposal* dated August 26, 2014
5. *Site Rehabilitation Completion Order (SRCO) without Controls* dated November 5, 2014

III. FACILITY SUMMARY

The Safety Kleen (SK) Tampa facility occupies a 3-acre site at 5309 24th Avenue South, Tampa, Hillsborough County, Florida. SK conducts various operations. SK is registered as a used oil and used-oil filter transporter and a used oil transfer facility. SK operates RCRA hazardous waste container and tank storage units.

The Operating Permit was issued (renewed) on February 21, 2012 that identified twenty-one (21) Solid Waste management Units (SWMUs) at the facility. The permit required SK to perform a Confirmatory Sampling on one (1) SWMU at the facility. The CS Work Plan was approved on November 9, 2011.

IV. CONCLUSION FOR CA725

There are no issues which remain to be addressed to prevent the designation of a YES code. Based on the analysis documented in Attachment 1 of this memo, current human exposures at Safety Kleen Tampa are under control.

V. CONCLUSION FOR CA750

Based on the analysis documented in Attachment 2, current groundwater at Safety Kleen Tampa is under control.

VI. SUMMARY OF FOLLOW-UP ACTIONS

There are no followup actions needed at Safety Kleen Tampa.

Attachment 1: Documentation of Environmental Indicator Determination

ATTACHMENT 1

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: Safety Kleen Tampa
Facility Address: 5309 24th Avenue South, Tampa, Florida 33619
Facility EPA ID #: FLD 980 847 271

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?

   ✓ 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 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 "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"**[1] 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	?	N/A	Rationale / Key Contaminants
Groundwater		X			
Air (indoors)[2]				X	
Surface Soil (*e.g.*, <2 ft)				X	
Surface Water				X	
Sediment				X	
Subsurface. Soil (e.g., >2 ft)				X	
Air (outdoors)				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.

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): *Site Rehabilitation Completion Order (SRCO) without Controls* dated November 5, 2014

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[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) suggests 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.

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?

Summary Exposure Pathway Evaluation Table

Potential **Human Receptors** (Under Current Conditions)

Contaminated Media	Residents	Workers	Day-Care	Construction	Trespassers	Recreation	Food[3]
Groundwater							
Air (indoors)							
Soil (surface, e.g., <2 ft))							
Surface Water							
Sediment							
Soil (subsurface e.g., >2 ft)							
Air (outdoors)							

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 boxes. While these combinations may not be probable in most situations they may be possible in some settings and should be added as necessary.

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 Pathway Evaluation Work Sheet 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):

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

4. Can the exposures from any of the complete pathways identified in #3 be reasonably expected to be **"significant"**[4] (*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."

   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 Reference(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.

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 and 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.

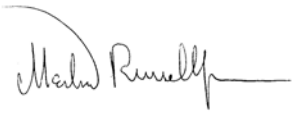
Rationale and Reference(s):

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 (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 Safety-Kleen Systems, Inc. facility, EPA ID# FLD 980 847 271, located in Tampa, Florida under current and reasonably expected conditions. This determination will be re-evaluated when the 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 (signature)
(print) Merlin D. Russell Jr. Date: May 12, 2015
(title) Professional Geologist III

Supervisor (signature) Date: May 13, 2015
(print) Bryan Baker
(title) Program Administrator
State of Florida

Locations where References may be found:
OCULUS
http://depedms.dep.state.fl.us/Oculus/servlet/login

Contact telephone number and e-mail address
Insert Name: Merlin D. Russell Jr.
Insert telephone number: (850) 245-8796
merlin.russell@dep.state.fl.us

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 OF MORE DETAILED (*E.G.*, SITE-SPECIFIC) ASSESSMENTS OF RISK.

Facility Name: Safety Kleen Tampa
EPA ID#: FLD 980 847 271
City/State: Tampa, Florida

CURRENT HUMAN EXPOSURES UNDER CONTROL (CA 725)