I N T E R O F F I C E M E M O R A N D U M

Date: 06-Apr-1993 10:44am EST
From: Knox McKee WPB
MCKEE_K
Dept: Southeast District Offi
Tel No: 407/433-2650
SUNCOM: S/C 232-2650

TO: Satish Kastury TAL (KASTURY_S)

CC: Vivek Kamath WPB (KAMATH_V)
CC: Jeff Smith WPB (SMITH_J)

Subject: Safety-Kleen Permit Modification/"Premium Solvent"

Satish-

Victor called this morning to discuss the requested permit modification. Victor said that he was contacting each district and that he was attempting to expedite the review of the modification request. Victor has received varied feedback district to district. He claimed to have received "a verbal ok to take the premium solvent" at his Ft. Myers facility.

Victor did not receive the same response from the Southeast District. Victor was told that the modification was being reviewed on a statewide basis in order to provide uniformity. I told Victor that I did not have any problem with the facility requesting to have an additional, compatible, wastestream (premium solvent) added to the existing permit via modification. The problem that I do have is the language which has been submitted for inclusion in the permit as modified. A specific example follows:

"Used parts washer premium solvent is transported from the customer as a non-hazardous waste and only becomes hazardous once it is mixed in the used parts washer solvent tank."

The use of this language suggests that we have given a blanket determination that because the premium solvent is no longer characteristic for ignitability it is no longer hazardous or potentially hazardous due to contamination during use. While the beefed up training, being provided by Safety-Kleen to their clients, should be encouraged it does not eliminate the potential for premium solvent usage to become contaminated with constituents qualifying it as hazardous waste. The study which Safety-Kleen provided was far from convincing and tortured by flawed test design biasing the (preconceived) conclusion.

In short (?), we anxiously await a Tallahassee generated, standard language, modification approval of the premium solvent. It is hoped that the language will be crafted so as not to

provide Safety-Kleen with a blanket determination or waiver from the waste determination requirements.

safety-kleen®

RECEIVED
MAR - 1 1993
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

February 26, 1993

Sent Via Federal Express
Mail-Airbill # 6915820424

Mr. Raoul Clarke
Hazardous Waste Management Program
Florida Department of
Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RE: Safety-Kleen Corporation, ILD 051 060 408
Transfer Facility Annual Update

Dear Mr. Clarke:

Enclosed please find the Transfer Facility Annual Update for the Safety-Kleen Corporation facilities located in the state of Florida. The submittal of this update is required by 17-730.171(3) Florida Administrative Code, and is submitted on DER Form 17-730.900(6). The form is submitted for the following facilities:

Safety-Kleen Corporation,	Orange Park
Safety-Kleen Corporation,	Tallahassee (Active)
Safety-Kleen Corporation,	Tallahassee (Inactive)
Safety-Kleen Corporation,	Boynton Beach
Safety-Kleen Corporation,	Delray Beach (Inactive)
Safety-Kleen Corporation,	Medley
Safety-Kleen Corporation,	Miami (Inactive)
Safety-Kleen Corporation,	Altamonte Springs
Safety-Kleen Corporation,	Sanford
Safety-Kleen Corporation,	Tampa,
Safety-Kleen Corporation,	Port Charlotte

Should you have any question, please contact me at 813-682-8094.

Sincerely,

Victor L. San Agustin

Victor L. San Agustin, P.E.
Regional Environmental Manager
Tampa Region

Enclosure(s)

cc: Mike Fitzismmons, NE-FDER
Bill Kutash, SW-FDER
Tom Moody, P.E., NW-FDER
Bill Bostwick, P.E., CF-FDER
Phil Barbaccia, SF-FDER
Vivek Kamath, P.E., SE-FDER

129 S. KENTUCKY AVE. SUITE 701 LAKELAND, FL 33801 PHONE 813/682-8094 FAX 813/688-3683

safety-kleen®

February 26, 1993

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Safety-Kleen Corporation,	Sanford
Safety-Kleen Corporation,	Tampa,
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Regional Environmental Manager
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Vivek Kamath, P.E., SE-FDER

129 S. KENTUCKY AVE, SUITE 701 LAKELAND, FL 33801 PHONE 813/682-8094 FAX 813/688-3683

STATE OF FLORIDA

TRANSFER FACILITY NOTIFICATION FORM

This form must be completed as required in Florida Administrative Code Rule 17-730.171(3) by transfer facilities storing hazardous waste in accordance with Florida Administrative Code Rule 17-730.171. All information must be typed or printed clearly.

I. Transporters Identification:

Company Name: Safety-Kleen Corporation

EPA ID No.: Current ILD 051 060 408, FLD 984 171 694, SCD 007 995 488
Future ILD 984 908 202, FLD 984 171 694, SCD 007 995 488

Company Mailing Address: Current: 777 Big Timber Road
Future: 1000 North Randall Road
Elgin, IL. 60123

Principal Contact: Victor L. San Agustin, P.E.

Phone Number: 813-682-8094

II. Transfer Facility Identification:

Name of Facility: Safety-Kleen Corporation

Street Address: 8755 NW 95th Street

Medley, Florida 33178

Latitude: 25o51'34"N Longitude: 80o20'30"W

County: Dade

Waste Codes: SEE ATTACHED TABLE

Storage Volume: 6,912 gallons estimated maximum

NOTE! Safety-Kleen Corporation transports materials using trucks based at various locations throughout the country and each location has a different US EPA ID number. In addition, other transport companies are periodically used. The transporters who will use this transfer facility include, but are not limited to those noted in item I above.

Note! Future US EPA ID number and address effective May 31, 1993.

III. Certification:

I CERTIFY UNDER PENALTY OF LAW THAT THE ABOVE INFORMATION IS ACCURATE AND COMPLETE. AS THE OWNER OR OPERATOR OF THE ABOVE REFERENCED HAZARDOUS WASTE TRANSFER FACILITY. I ALSO CERTIFY THAT THIS FACILITY IS IN COMPLIANCE WITH ALL PROVISIONS OF FAC. 17-730.171.

Victor L. San Agustin, P.E. — (Typed Name)

Regional Environmental Manager — (Title)

Victor L. San Agustin — (Signature of Authorized Representative)

2/26/93 — (Date Signed)

Please complete this form and mail to the following address:

Florida Department of Environmental Regulation
Hazardous Waste Management Section
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Attached Table
Safety-Kleen Corporation
Transfer Facility Waste Codes

D-Codes:

D001, D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043.

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K-Codes:

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Safety-Kleen®

October 30, 1992

Sent Via Certified Mail
No. P 516 713 055

Mr. Satish Kastury
Hazardous Waste Section
Bureau of Solid and Hazardous Waste
Florida Department of Environmental
Regulation - Tallahassee Office
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Subject: Letter of Authorization for
Safety-Kleen Permit Submittals

Dear Mr. Kastury:

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Please accept this letter as Safety-Kleen's authorization to allow the person listed below to sign off on reports or other information submitted to the Department:

Victor L. San Agustin, P.E.
Regional Environmental Manager
Safety-Kleen Corp.
129 South Kentucky Ave.
Suite 701
Lakeland, FL 33801

If you have any questions, please call Victor San Agustin at (813) 682-8094.

Sincerely,

Scott E. Fore

Scott E. Fore
Vice President -
Environmental, Health, and
Safety Department

cc: Allan Farmer, USEPA IV
Bill Kellenberger, NW-FDER
Ashwin Patel, NE-FDER
Gary Santti, SW-FDER
Bob Snyder, CF-FDER
Knox McKee, SE-FDER
Phil Barbaccia, SF-FDER

STATE OF FLORIDA

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I. Transporters Identification:

Company Name: Safety-Kleen Corporation

EPA ID No.: Current ILD 051 060 408, FLD 980 840 086, SCD 007 995 488
Future ILD 984 908 202, FLD 980 840 086, SCD 007 995 488

Company Mailing Address: Current: 777 Big Timber Road
Future: 1000 North Randall Road
Elgin, IL. 60123

Principal Contact: Victor L. San Agustin, P.E.

Phone Number: 813-682-8094

II. Transfer Facility Identification:

Name of Facility: Safety-Kleen Corporation

Street Address: 7875 NW 54th Street

Miami, Florida 33166

Latitude: 25o49'21"N Longitude: 80o19'01"W

County: Dade

Waste Codes: SEE ATTACHED TABLE

Storage Volume: 10,000 gallons estimated maximum

NOTE! Safety-Kleen Corporation transports materials using trucks based at various locations throughout the country and each location has a different US EPA ID number. In addition, other transport companies are periodically used. The transporters who will use this transfer facility include, but are not limited to those noted in item I above.

Note! This facility is no longer used, and is or will be undergoing RCRA closure.

Note! Future US EPA ID number and address effective May 31, 1993.

III. Certification:

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Victor L. San Agustin, P.E. — Regional Environmental Manager
(Typed Name) — (Title)

Victor L. San Agustin — 2/26/93
(Signature of Authorized Representative) — (Date Signed)

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Hazardous Waste Management Section
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

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safety-kleen®

October 30, 1992

Sent Via Certified Mail
No. P 516 713 055

Mr. Satish Kastury
Hazardous Waste Section
Bureau of Solid and Hazardous Waste
Florida Department of Environmental
Regulation - Tallahassee Office
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Subject: Letter of Authorization for
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Regional Environmental Manager
Safety-Kleen Corp.
129 South Kentucky Ave.
Suite 701
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If you have any questions, please call Victor San Agustin at (813) 682-8094.

Sincerely,

Scott E. Fore

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Vice President -
Environmental, Health, and
Safety Department

cc: Allan Farmer, USEPA IV
Bill Kellenberger, NW-FDER
Ashwin Patel, NE-FDER
Gary Santti, SW-FDER
Bob Snyder, CF-FDER
Knox McKee, SE-FDER
Phil Barbaccia, SF-FDER

LAKELAND, FL 33801 PHONE 813/682-8094 FAX 813/688-3683

STATE OF FLORIDA

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EPA ID No.: Current ILD 051 060 408, FLD 984 167 791, SCD 007 995 488
Future ILD 984 908 202, FLD 984 167 791, SCD 007 995 488

Company Mailing Address: Current: 777 Big Timber Road
Future: 1000 North Randall Road
Elgin, IL. 60123

Principal Contact: Victor L. San Agustin, P.E.

Phone Number: 813-682-8094

II. Transfer Facility Identification:

Name of Facility: Safety-Kleen Corporation

Street Address: 5610 Alpha Drive

Boynton Beach, Florida 33426

Latitude: 26o32'22"N Longitude: 80o40'55"W

County: Palm Beach

Waste Codes: SEE ATTACHED TABLE

Storage Volume: 6,912 gallons estimated maximum

NOTE! Safety-Kleen Corporation transports materials using trucks based at various locations throughout the country and each location has a different US EPA ID number. In addition, other transport companies are periodically used. The transporters who will use this transfer facility include, but are not limited to those noted in item I above.

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(Typed Name)	(Title)
Victor L. San Agustin	2/26/93
(Signature of Authorized Representative)	(Date Signed)

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Tallahassee, Florida 32399-2400

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Safety-Kleen

October 30, 1992

Sent Via Certified Mail
No. P 516 713 055

Mr. Satish Kastury
Hazardous Waste Section
Bureau of Solid and Hazardous Waste
Florida Department of Environmental
Regulation - Tallahassee Office
2600 Blair Stone Road
Tallahassee, FL 32399-2400

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Scott E. Fore

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Vice President -
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cc: Allan Farmer, USEPA IV
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Ashwin Patel, NE-FDER
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EPA ID No.: Current ILD 051 060 408, FLD 000 776 757, SCD 007 995 488
Future ILD 984 908 202, FLD 000 776 757, SCD 007 995 488

Company Mailing Address: Current: 777 Big Timber Road
Future: 1000 North Randall Road
Elgin, IL. 60123

Principal Contact: Victor L. San Agustin, P.E.

Phone Number: 813-682-8094

II. Transfer Facility Identification:

Name of Facility: Safety-Kleen Corporation

Street Address: 16086 SW 4th Avenue, Bldg B, Bay 30

Delray Beach, Florida 33444

Latitude: 26o26'33"N Longitude: 80o04'37"W

County: Palm Beach

Waste Codes: SEE ATTACHED TABLE

Storage Volume: 10,000 gallons estimated maximum

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(Typed Name)	(Title)
Victor L. San Agustin	2/26/93
(Signature of Authorized Representative)	(Date Signed)

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Safety-Kleen

October 30, 1992

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Bureau of Solid and Hazardous Waste
Florida Department of Environmental
Regulation - Tallahassee Office
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Vice President -
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Bob Snyder, CF-FDER
Knox McKee, SE-FDER
Phil Barbaccia, SF-FDER

RECEIVED
FEB 15 1993
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

safety-kleen®

February 5, 1993

Sent Via Federal Express
Mail - February 5, 1993
Airbill No. 6915820520

Ms. Myra Flagler
Hazardous Facilities Section
Dade County Environmental resources Management
111 NW 1st Street, Suite 1310
Miami, FL 33128-1971

Subject: Permit Description/Specific Condition Nos. 3 and 6
Permit No. IW-00333-92 (2) 2 00
Medley Facility, EPA ID No. FLD 984 171 694

Dear Ms. Flagler:

The purpose of this letter is to summarize our discussions we had previously regarding the above referenced permit. This letter is also to request a revision to Specific Condition 6.

As discussed, our facility currently has three 20,000 gallon tanks; i.e., one for clean parts washer solvent, another for dirty parts washer solvent, and the third for waste antifreeze. The permit description shows four tanks and that one is for used oil storage. We do not have any used oil storage tanks at this facility. We will your notify your office should we decide to install more tanks in the future. Please revise our permit to show only the three described tanks.

Regarding Specific Condition 3., it was agreed during our discussion that an annual report of groundwater quality is not required for the year 1992. The next report is due December 15, 1993.

Regarding Specific Condition 6, this condition requires that all rainwater collected in sumps and secondary containment for the storage tank farm is to be pumped out, placed in drums, and poured into the dirty mineral spirits dumpsters. Safety-Kleen requests that this condition be revised to allow our facility to dispose of rainwater collected in our tank farm area and tanker truck loading/unloading area sumps into our onsite stormwater colection system, only if it has been verified that there has been no spills or leaks of any material that have occurred in these areas. Our facility personnel will check the accumulated rainwater for any visible sheen on the rainwater. If there is any sheen detected visually, the water will be transferred into our dirty mineral spirits dumpsters.

129 S. KENTUCKY AVE, SUITE 701 LAKELAND, FL 33801 PHONE 813/682-8094 FAX 813/688-3683

We consider adding clean rainwater to our hazardous waste mineral spirits contradictory to our waste minimization efforts. Our state hazardous waste permit requires us to have a waste minimization program in place to reduce the volume of hazardous wastes that we generate. Part of that program is to try to avoid having to transfer clean rainwater into our dirty mineral spirits tank if it is not necessary. As you may know, the accumulated rainwater even if clean becomes a hazardous waste when it is mixed with our dirty mineral spirits. Furthermore, the presence of significant amounts of rainwater in our waste creates many operational problems at our Lexington, South Carolina recycling facility. Our mineral spirits are processed at our recycle center through distillation units which separate our recycled mineral spirits from the waste, including the rainwater.

Your consideration in this regard will be most appreciated. If I can be of any assistance, please call me at (813)682-8094.

Sincerely,

Victor L. San Agustin

Victor L. San Agustin, P.E.
Regional Environmental Manager
Tampa Region

cc: Knox McKee, SWFDER-Hazardous Waste
Roberto Abrahante, DERM-Hazardous Facilities

safety-kleen

July 14, 1992

Sent Via Facsimile and
Federal Express Mail-July 14,1992

Mr. Knox McKee
Hazardous Waste Section Manager
Florida Department of Environmental
Regulation-Southeast District
1900 South Congress Ave., Suite A
West Palm Beach, Fl 33406

RECEIVED
JUL 1 5 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

Subject: FDER Inspection Dated July 14, 1992
Operation Under Construction Permit HC13-175466
EPA ID No. FLD 984 171 694

Dear Mr. McKee:

The purpose of this letter is to document the results of a July 14, 1992 inspection conducted by yourself and Mr. Tim Gray. Messrs. Jack Krivec, Jorge Carvajal, and myself from Safety-Kleen assisted during the inspection.

As stated during the inspection, the facility meets the requirements of 40 CFR 264. Pursuant to Specific Condition 8.(d) of permit HC13-175466 and as per Section 17-730.250(3), F.A.C., all the requirements of Specific Conditions 8.(a), and 8.(b), and 8.(c) have been satisfied and therefore, the facility may commence hazardous waste storage. We plan to start placing wastes at the facility, in the designated areas on July 16, 1992.

Our operating permit application for the Medley facility should be received by your office on July 17, 1992, which satisfies Specific Condition 9. of the construction permit.

Thank you for your assistance in this matter. If you have any questions, please call me at (813)682-8094

Sincerly,

Victor L. San Agustin

Victor L. San Agustin, P.E.
Regional Environmental Manager
Tampa Region

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cc: Allan Farmer, USEPA IV
Jim Murphy, City Of Medley
Satish Kastury, FDER-Tallahassee
Jeff Smith, SE-FDER
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Bobby Cooley, SE-FDER
Roberto Abrahante, DERM

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

RECEIVED
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DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

DEPARTMENT OF ENVIRONMENTAL REGULATION,

Petitioner,

vs.

DOAH Case No. 90-6665
OGC Case No. 90-0606

SAFETY KLEEN CORPORATION,

Respondent.
_____/

DEPARTMENT OF ENVIRONMENTAL REGULATION,

Petitioner,

vs.

DOAH Case No. 90-7360
OGC Case No. 90-0606

DOLORES MAROTTA,

Respondent.
_____/

FINAL ORDER

On July 10, 1992, a hearing officer from the Division of Administrative Hearings submitted to me and all parties his Recommended Order in the above-styled cases, a copy of which is attached as Exhibit A. On July 27 Respondent Safety Kleen Corporation ("Safety Kleen") timely filed exceptions to the Recommended Order, to which the Department of Environmental Regulation ("Department") responded on July 31. The matter thereafter came before me as Secretary of the Department for final agency action.

BACKGROUND

This matter arose with the issuance by the Department on June 17, 1990, of a Notice of Violation ("NOV") against Safety Kleen and Delores Marotta. From 1976 to 1981 Safety Kleen leased property in Delray Beach, Palm Beach County, Florida, from Delores Marotta and her former husband, Dominic Marotta. The NOV alleged that while Safety Kleen leased the property it discharged hazardous materials into the soils and groundwater, causing pollution in violation of state water quality standards and otherwise violating Department statutes and rules. The NOV contained proposed orders for corrective action that would require Respondents to develop plans for and implement contamination assessment and remedial action at the property. Both Respondents petitioned for administrative proceedings, which petitions were consolidated by the hearing officer, who held a hearing on the matter on May 1 and 2, 1992.

The hearing officer found that Domenic and Delores Marotta had purchased mini-warehouse property from which Safety Kleen rented bays for operating its business of collecting, storing and recycling spent solvents and other waste materials. The facility also included two underground storage tanks. The hearing officer found that Safety Kleen's operation resulted in spills of contaminants classified as hazardous under Appendix VIII to 40 C.F.R. Pt. 261. Those spills have caused groundwater contamination in violation of state standards. The hearing officer concluded that both Ms. Marotta, who is the current

property owner, and Safety Kleen are liable for cleanup of the hazardous substances under Section 403.727(4), Florida Statutes, as owner and operator respectively. The hearing officer also concluded that the spills constituted solid waste violations under Section 403.708(1)(a), Florida Statutes, and applicable rules; groundwater violations under Section 403.088(1), Florida Statutes, and applicable rules; a stationary installation reasonably expected to be a source of water pollution unpermitted under 403.087(1), Florida Statutes; and pollution prohibited by Section 403.161(1)(a), Florida Statutes. The hearing officer therefore recommended that the Department issue a Final Order requiring Respondents to implement the relief requested in the NOV.

RULING ON EXCEPTIONS

Safety Kleen filed 12 exceptions to findings of fact and two exceptions to conclusions of law. My review of these exceptions must be made in accordance with Section 120.57(1)(b)10, Florida Statutes, which precludes me from reweighing a hearing officer's findings of fact if they are based upon competent substantial evidence. See, e.g., Florida Department of Corrections v. Bradley, 510 So.2d 1122 (Fla. 1st DCA 1987).

Exception No. 1.

Safety Kleen objects to the hearing officer's Finding of Fact No. 4, in which he states that Safety Kleen's customers "dispose of dirty degreasing solvent." Safety Kleen argues that since it recycles the waste, its customers do not "dispose of" it. The

issue is really one of perspective. From the customers' standpoint, it is fair to say they have disposed of their waste. The relevant issue in this case is what Safety Kleen, not its customers, did with the waste. In this regard, the fact that Safety Kleen intended to recycle all of its hazardous waste did not exempt it from treating the waste as hazardous and handling it appropriately. See 40 C.F.R. §261.2(c) and 40 C.F.R. §261.6. Therefore, the exception is rejected.

Exception No. 2.

Safety Kleen asserts that there is no competent substantial evidence to support the hearing officer's Finding of Fact No. 7 that Safety Kleen was the only tenant to have used the underground storage tank at the site. The evidence is undisputed that Safety Kleen used the tanks, and that the tanks had been welded shut afterwards. (T-130, 208) No evidence was presented that anyone else used them. The Department met its burden here by proving that Safety Kleen used the tanks. The Department did not then have to prove that there was no possible use of the tanks by anyone else. The burden shifted to Safety Kleen to show such other use. J.W.C. v. Department of Transportation, 396 So.2d 778 (Fla. 1st DCA 1981). At any rate, the critical issue in this case regarding Safety Kleen is whether it caused contamination. Safety Kleen cannot escape liability simply because the Department failed to prove that no one else could have contributed to the contamination. See Sections 403.141(1) and 403.727(4), Florida Statutes. The exception is therefore rejected.

Exception No. 3.

Safety Kleen claims its facility was a distribution center, not a "recycling center" as stated in the hearing officer's Finding of Fact No. 8. This finding and others describe in detail the functions of Safety Kleen's operation. These descriptions are supported by competent substantial evidence, and are essentially undisputed. The real issue in dispute is not how the facility was supposed to operate, but whether it operated otherwise - in other words, whether spills occurred during operation. Construed in this light, the use of the term "recycling center" has very little significance to the real issue in dispute. The exception is therefore rejected as irrelevant.

Exception No. 4.

Safety Kleen objects to various statements by the hearing officer in Finding of Fact No. 10 regarding spills that occurred during its operation of the facility. My review of the record indicates that there is competent substantial evidence to support his findings that spills did occur, and that the facility site was contaminated by those spills, based upon eyewitness testimony of several witnesses, including a Safety Kleen employee, a neighboring tenant, and Mr. Marotta, as well as the expert testimony of witnesses who analyzed the site and data from it to determine whether the site was contaminated. (E.g., T-41, 62, 64, 89, 156, 157, 170-173, 238, 241-242, 260-262, 295, 349.) Therefore, the exception is rejected.

Exception No. 5.

Safety Kleen asserts there was no competent substantial evidence to support the statement in Finding of Fact No. 11 that workers at other businesses saw spills. There was testimony regarding spills from at least two persons who worked at the warehouse complex. (T-157, 170) Therefore, there is competent substantial evidence to support the finding, and the exception is rejected.

Exception No. 6.

In this exception Safety Kleen objects to how the hearing officer, in Finding of Fact No. 12, characterized Safety Kleen's procedures for detecting spills from its underground tanks. As with its third exception, Safety Kleen appears to be objecting to the hearing officer's terminology rather then the underlying facts that describe what was happening at the facility. Those facts are supported by competent substantial evidence, and the exception is rejected.

Exception No. 7.

Safety Kleen makes two exceptions to Finding of Fact No. 13. The first concerns when stick measurements were made of the contents of the underground storage tanks. Safety Kleen argues that measurements were made prior to and after removal of spent mineral spirits from the tanks, and not after the spent spirits were tipped out of barrels into the hopper. My review of the hearing officer's language indicates that he was not sufficiently

precise in describing when the tank contents were measured, and that Safety Kleen's alternative language is more precise. Therefore, I shall accept this part of the exception. I note further, however, that my acceptance of this exception has no bearing on the validity of the hearing officer's conclusions or recommendation.

Safety Kleen also objects to the hearing officer's statement that "sludge at the bottom of the tank must have been unrecoverable." The record evidence, as Safety Kleen notes, indicates that the sludge was removed from the tank and taken for disposal. The fact that the sludge was disposed of rather than recycled by Safety Kleen makes the hearing officer's "unrecoverable" comment a fair statement, though not perhaps as precise as Safety Kleen would like. Once again, as with exception numbers three and six, the dispute appears to be one of form over substance. The objection is therefore irrelevant to the recommendation before me, and the exception is rejected.

Exception No. 8.

Safety Kleen takes exception to various statements in Finding of Fact No. 15 regarding evidence of contamination on site. I find that there is competent substantial evidence to support the findings, as indicated by the references to the record in my response to Exception No. 5. The exception is therefore rejected.

Exception No. 9.

Safety Kleen takes exception to the hearing officer's reference, in Finding of Fact No. 16, to two of its internal

documents that refer to removal of contaminated soil. Safety Kleen argues the documents are hearsay, not corroborated, and therefore not competent substantial evidence. I do not agree that these documents are hearsay. The documents were produced from Safety Kleen's files, were on Safety Kleen letterhead, and were accepted as authentic by Safety Kleen's witness. The documents would thus fall outside of the hearsay rule either as an admission under Section 90.803(18), Florida Statutes, or as a business record under Section 90.803(6), Florida Statutes. Furthermore, the relevance of the documents was corroborative in nature, in that they corroborated the fact that the facility was contaminated. Thus, the documents would be admissible even as hearsay under Section 120.58, Florida Statutes.

Safety Kleen also objects to the hearing officer's finding that a considerable quantity of mineral spirits was being spilled around the fill pipes of the tanks. As I have already concluded, there is competent substantial evidence, both from oral testimony and laboratory data, to support a finding of substantial contamination, which logically would have resulted from spills. The statement to which Safety Kleen objects is a summary of such competent substantial evidence. Therefore, the exceptions to Finding of Fact No. 16 are rejected.

Exception No. 10.

Safety Kleen takes exception to Finding of Fact No. 20, regarding the location of a consultant's monitoring well as being downgradient from the groundwater flow from the tanks. The

Department concedes that this exception is well taken, and I concur. I should note, however, that my acceptance of the exception has no bearing on my consideration of the hearing officer's recommendation, since there are substantial other findings to support the fact that the contamination resulted from Safety Kleen's activities.

Exception No. 11.

This exception is to Finding of Fact No. 21, which concludes that contamination was more likely to come from Safety Kleen than from other facilities at the warehouse site. There is competent substantial evidence to support this finding, based upon both the testimony of witnesses (e.g., T-126, 140, 241) and a review of exhibits (e.g., composite exhibit 11). Therefore, the exception is rejected.

Exception No. 12.

Safety Kleen takes exception to Finding of Fact No. 46, in which the Hearing Officer summarizes his findings regarding contamination at the facility. The exception takes the hearing officer's statements out of context. When the hearing officer refers to "contamination of the groundwater upgradient of the wellfield from the City of Delray Beach . . . caused by the activities of Safety Kleen," it is clear that he is saying that Safety Kleen caused contamination at the facility and that the facility is upgradient of the wellfield. This finding is supported by competent substantial evidence. Similarly, when the hearing officer refers to contamination coming from Safety

Kleen's "activities . . . either from a leak in an underground tank, or more likely, from frequent spills of mineral spirits or overfilling of the underground tanks," he is not making, as Safety Kleen seems to be arguing, a specific, conclusive finding that the underground tanks leaked. Rather, the purpose of his finding, read as a whole, is to show that he has weighed all the evidence and found that the Department has met its burden of proving, in his words "more likely than not," that the contamination at the facility was caused by the activities of Safety Kleen. As I have concluded previously, there is competent substantial evidence to support his finding. The exception is therefore rejected.

Exception No. 13.

Safety Kleen takes exception to Conclusion of Law No. 6, in which the hearing officer states that waste mineral spirits are a listed hazardous waste. Safety Kleen observes that under 40 C.F.R. Pt. 261 waste mineral spirits are a "characteristic" hazardous waste rather than a "listed" one. I accept this exception, but note that this has no bearing on the recommendation in this case, since the waste remains hazardous in either case.

Exception No. 14.

The final exception is to Conclusions of Law Nos. 14, 15, 17, 23, 24, 30, and 36, all of which relate to the hearing officer's conclusion that the Department met its burden of proving that Safety Kleen caused or contributed to the contamination at the

facility site. This exception is essentially reargument, along with supplemental argument, of previous exceptions in which Safety Kleen asserted that the hearing officer's findings in this regard lacked the foundation of competent substantial evidence. Based upon my review of the record and as indicated by my rulings on these previous exceptions, I conclude that competent substantial evidence did exist, and that the hearing officer properly weighed that evidence in light of the Department's burden of proof. Therefore, this exception is rejected.

Therefore, it is

ORDERED:

1. The Recommended Order in this case is approved and adopted in its entirety, except as modified by this Final Order.

2. Safety Kleen and Delores Marotta are hereby required to comply with the orders for corrective action contained in the Notice of Violation issued in this case, which orders are made final by this Final Order.

Any party to this Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal

must be filed within 30 days from the date this Order is filed with the clerk of the Department.

DONE AND ORDERED this 22nd day of September, 1992, in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

CAROL M. BROWNER
Secretary

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
Telephone: (904)488-4805

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to §120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk 9.22.92 Date

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Final Order has been furnished by hand-delivery to William R. Dorsey, Hearing Officer, Division of Administrative Hearings, The DeSoto Building, 1230 Apalachee Parkway, Tallahassee, FL 32399-1550; Ann Cole, Clerk, Division of Administrative Hearings, The DeSoto Building, 1230 Apalachee Parkway, Tallahassee, FL 32399-1550; and Agusta Posner, Assistant General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by U.S. Mail to Pamela Presnell Garvin, Esquire, 101 North Monroe Street, Suite 910, Tallahassee, FL 32301; Mary Smallwood, Esquire, 101 North Monroe Street, Suite 1010, Tallahassee, Florida 32301; and Susan P. Motley, Esquire, Post Office Box 1900, Ft. Lauderdale, FL 33302, on this 22d day of September, 1992.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

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STATE OF FLORIDA
DIVISION OF ADMINISTRATIVE HEARINGS

DEPARTMENT OF ENVIRONMENTAL REGULATION, Petitioner, vs. SAFETY KLEEN CORPORATION, Respondent.	)	CASE NO. 90-6665
DEPARTMENT OF ENVIRONMENTAL REGULATION, Petitioner, vs. DOLORES MAROTTA, Respondent.	)	CASE NO. 90-7360

RECOMMENDED ORDER

These consolidated cases were heard by William R. Dorsey, Jr., the Hearing Officer designated by the Division of Administrative Hearings, on May 1 and 2, 1991, in West Palm Beach, Florida.

APPEARANCES

For Petitioner, Department of Environmental Regulation:	Agusta P. Posner, Esquire Department of Environmental Regulation 2600 Blair Stone Road Tallahassee, Florida 32399-2400
For Respondent, Safety Kleen Corporation:	Pamela P. Garvin, Esquire Fowler, White, Gillen, Boggs Villareal and Banker, P.A. Suite 910 101 North Monroe Street Tallahassee, Florida 32301

and

EXHIBIT A

Hala M. Ayoub, Esquire
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For Respondent,
Dolores Marotta:

Mary F. Smallwood, Esquire
Ruden, Barnett, McClosky, Smith,
Schuster and Russell, P.A.
Monroe Park Tower, Suite 1010
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Tallahassee, Florida 32301

and

Susan P. Motley, Esquire
Ruden, Barnett, McClosky, Smith,
Schuster and Russell, P.A.
Post Office Box 1900
Fort Lauderdale, Florida 33302

STATEMENT OF THE ISSUE

The issue presented is whether Safety Kleen discharged hazardous wastes into the soils and groundwater at a location which it had leased from Dolores Marotta at 1202 Georgia Street, Delray Beach, Florida, from October 1976 to September 1981, and if so, what corrective action should be required of Safety Kleen and Marotta.

PRELIMINARY STATEMENT

The Department of Environmental Regulation issued a notice of violation and order for corrective action on June 17, 1990, alleging that Safety Kleen discharged hazardous materials into the soils and groundwater at property it had leased as an office and warehouse located at 1208 Georgia Street, Delray Beach, Florida, during the period from October, 1976 through September, 1981. The order also ran against the lessor of the property, Dolores Marotta. The proposed orders for corrective action required a contamination assessment plan, and would

ultimately require Safety Kleen and Marotta to carry out a remedial action plan.

Safety Kleen petitioned for a formal hearing, as did Ms. Marotta. These separate hearing requests were consolidated in an order entered November 27, 1990. The Department called 10 witnesses and introduced 14 exhibits in evidence. Safety Kleen called four witnesses and introduced 16 exhibits. Mrs. Marotta called one witness and introduced 1 exhibit. A transcript of the hearing was filed and the parties submitted proposed recommended orders. Rulings on proposed findings of fact are made in the appendix to this Recommended Order.

FINDINGS OF FACT

The Property

1. Domenic Marotta and Dolores Marotta purchased mini-warehouse property located at 1208 Georgia Street, Delray Beach, Florida in 1977 or 1978, located on a one acre parcel of land. The structure was one year old when the Marottas acquired it. They remained co-owners of the property until 1985, when Dolores Marotta became the sole owner as the result of their divorce.

2. The property is composed of a concrete structure of about 16,000 square feet which contains twelve warehouse bays, six on each side. These bays have been rented to tenants who conduct a variety businesses from the bays. A concrete slab surrounds the warehouse in front of the bays. Approximately two feet of soil may be found horizontally from the edge of the concrete slab extending to the chain link fence surrounding the Marotta property. Safety Kleen rented bays at the southeast corner of the warehouse complex.

3. The warehouse complex is located within the cone of influence for the well field that produces potable water for the City of Delray Beach. The groundwater flows to the northwest, toward the well field. The area upgradient of the warehouse site to the east and south is residential. There is no significant likelihood that the residential area would be the source of groundwater contamination flowing from the residences to the warehouse site. Contamination of the warehouse site would move with the groundwater to the northwest, toward the City of Delray Beach well field.

Safety Kleen and its business

4. Safety Kleen is a Wisconsin Corporation which does business in Florida. It operates solvent distribution and recycling centers as part of its business. It rented bays from the Marottas in the southeast portion of the warehouse building from October 1976 to September 1981 for use as one of its retail centers. Retail centers are the base for Safety Kleen vans which place and maintain products, including sinks filled with its number 105 parts washer solvent. Customers, such as gas stations and mechanics, use the solvent to degrease auto parts and then dispose of the dirty degreasing solvent through Safety Kleen.

5. Safety Kleen described its business operations in this way in a letter sent to the U.S. Department of Environmental Protection Agency:

> Safety Kleen Corp. (the Company) is engaged in the business of collecting spent solvent and other waste materials generated by its customers, and recycling those materials for reuse. During the period October, 1976 to September, 1981, which was the term of the

> lease between Safety Kleen and the owner of the site [the Marottas], the company leased a site at 15776 Gwenzell Avenue, also known as 1208 Georgia Street, Delray Beach, Florida as a service center.
>
> * * *
>
> The service center was equipped with two ten thousand gallon storage steel underground tanks, one used to store clean mineral spirits solvent, the other to store waste mineral spirits solvent received from customers.
>
> * * *
>
> The underground storage tanks were installed at the facility by Safety Kleen in 1976.
>
> * * *
>
> On a periodic basis, tanker trucks owned by the company would bring clean solvent to the service center, and remove waste solvent from the dirty solvent tank, for transportation to one of the Company's recycle centers.
>
> * * *
>
> Waste mineral spirits stored in the underground steel tank was a characteristic hazardous waste as described in 40 C.F.R. 261 Subpart C. This waste mineral spirit solvent exhibited the characteristic of ignitability, and was classified as Waste D001.
>
> * * *
>
> At that time of discontinuation of business operations at the Georgia Street facility, no soil or groundwater samples were collected in the proximity of the underground tanks.

Safety Kleen's 105 parts washer solvent is an aliphatic hydrocarbon solvent, with a medium boiling range. It consists of C9 to C13 hydrocarbons predominately. Its has an initial boiling point of around 300 degrees Fahrenheit and an endpoint of approximately 400 to 420 degrees Fahrenheit. The parts washer

solvent consists of approximately 85 percent by weight of mineral spirits. The second component is C8+ aromatics up to and including 12 percent by weight. The remainder is toluene, .5 of 1% by weight, xylene, up to 1% by weight, ethylbenzene at .5 of 1% by weight, 1,1,1,-trichloroethane at up to .5 of 1% by weight, perchlorethylene at up to .5 of 1%, and napthalene at .2 to .3 of 1% by weight.

6. The parties stipulated that benzene, 1,2-dichloroethylene, ethylbenzene, tetrachloroethylene, 1,1,1-trichloroethane, and xylenes are chemical constituents and breakdown components of mineral spirits such as those used by Safety Kleen in its retail operations.

Safety Kleen activities on the site

7. The two ten thousand gallon underground storage tanks Safety Kleen installed were pressure tested before the first load was placed in them and tightness tests were preformed twice, and showed no leaks. In 1978, the tanks were sandblasted and coated with epoxy resin to extend their life, a treatment which carried a ten year guarantee from the supplier. Safety Kleen is the only tenant to have used the underground storage tanks which it installed at the site. When closed the tanks were emptied, washed, scrubbed with detergent, and filed with clean water.

8. To serve its retail customers, the Safety Kleen distribution and recycling center at Georgia Street would have five to seven delivery vans loading virgin mineral spirits sold as parts washer solvent, and unloading waste mineral spirits each

day. Since the parts washer solvent is 85% mineral spirits, it will be referred to as mineral spirits or solvent. Each day about 13 drums of dirty solvent collected from customers were rolled off each of the five to seven vans, and pushed over into a dumpster (also sometimes called a hopper). Two sizes of drums were used, 16 gallon and 30 gallon drums, and when filled, those drums were quite heavy. The dumpster drained through pipes into one of the underground storage tanks Safety Kleen had installed. After the drums themselves had been cleaned, Safety Kleen employees refilled those drums with virgin mineral spirits from the other underground storage tank it had installed. The employees were trained and tested on proper procedures for filling and tipping barrels of mineral spirits. They were instructed on safety procedures for handling mineral spirits, and were trained in the use of EPA wipes for cleaning small spills, the use of a clay-like absorbent material, and the use of absorbent rope to encircle spills. All these materials were available on-site. The accounting system for these safety products show that the safety products were being replaced as on-going maintenance items, but it cannot be determined from the record the extent to which these items were used in any period of time.

9. The clean underground solvent storage tank would be filled with mineral spirits and the dirty solvent storage tank would be emptied at regular intervals by the driver of a tank truck.

10. The manager in charge of the southeast for Safety Kleen, was the regional manager for the Florida service centers during most of the time Safety Kleen operated the Georgia Street facility. He acknowledged at hearing that drips in small amounts of both fresh and dirty mineral spirits would occur in the course of Safety Kleen's recycling operations and such spills were an inherent part of the operation. On the other hand, employees were constantly reminded and encouraged to minimize spills. The manager for each center received a bonus based upon the amount of dirty mineral spirits recycled when compared to the amount of virgin spirits delivered to the center. It benefits Safety Kleen to recover as much of the dirty mineral spirits as possible, and to recycle those spirits for reuse. Company employees refer to dirty mineral spirits commonly as "black gold." The value of the recyclable waste mineral spirits had one perverse aspect. Lower level Safety Kleen personnel would have an incentive not to report small spills, such as spills less than 10 gallons, because they could be disciplined or discharged for the loss of those valuable, recyclable waste mineral spirits. It is likely that only large spills would have been reported to Safety Kleen management. The evidence will not support any determination of how often employees used the safety materials available to clean up spills of any size. See Finding 7, above.

11. During Safety Kleen's tenancy, a concrete curb was placed around three sides of the platform from which the dirty minerals spirits were tipped into the hopper to prevent spills, and maximize the recovery of dirty mineral spirits. Despite

Safety Kleen's efforts to recover used solvent, workers at other businesses in the warehouse complex saw spills of dirty solvents when they were being tipped into the hopper, and saw drips from hoses on tankers delivering fresh mineral spirits to the center.

12. The underground tank which held virgin mineral spirits was filled from tanker trucks which used a flexible hose three to four inches in diameter, which was connected to the bottom of the tanker truck. The amount of mineral spirits to be added to the underground tank had been determined through an internal accounting system Safety Kleen used to record the number of service calls which Safety Kleen truck drivers performed each day at service or gas stations. There was no fill detection system on the underground tanks Safety Kleen installed, though underground tanks in use today have fill detection systems. It would be possible to over fill the underground storage tanks with clean spirits if careful attention were not paid to the refilling process, despite Safety Kleen's efforts to account for the solvent. When a tanker truck delivering clean spirits to the Georgia Street site was emptied, waste mineral spirits would be pumped back into the tanker truck from the underground tank holding dirty mineral spirits.

13. Once the spent spirits were tipped out of barrels into the hopper and the underground storage tank, stick measurements of the contents of that underground storage tank were taken. Stick measurements are not highly accurate, for one-eighth inch variance in the measured level of spirits by the stick would equal a variance of twenty gallons or more in the ten

thousand gallon storage tank. Precise measurement was more difficult due to the buildup of sludge in the dirty solvent tank; calculation of tank contents could be off by as much as 500 gallons when computed by "sticking the tank." A memorandum authored by CBS Mechanical in October 1981 in connection with the closing of the site noted there was about 1,500 gallons of sludge in the underground tank. Given the value of used mineral spirits to Safety Kleen, this sludge at the bottom of the tank must have been unrecoverable.

14. When Safety Kleen first used the site, the concrete slab in front of the bay was new, but by the time it left, there were cracks in the concrete. This would be caused in part, by driving of heavy tanker trucks in the area, as well as by the general use of the concrete slab areas by other tenants.

15. There is considerable staining of the concrete pad in front of the bay used by Safety Kleen from the fill spout of the underground tank running east to the area containing soil. To warehouse tenants, the perimeter soil area from the edge of the concrete pad in front of the bays to the chain link fence on the property line often looked black, oily or muddy. Neither plants nor grass would grow in that area. Correspondence with the Marottas concerning the closing down of the facility contain references to the removal and replacement of "bad dirt," and the replacement of that "bad dirt" with good dirt and shrubs. The odor of mineral spirits reported by witnesses in the areas used by Safety Kleen, is consistent with evidence that solvents were sometime splashed or spilled during the operations of tipping the

barrels of waste mineral spirits into the hopper and from the process of filling the underground tank with virgin mineral spirits from the tanker truck. These mineral spirits flow across the concrete pad to the soil area.

16. Safety Kleen drafted two internal documents entitled "authorization for expenditure" dated November 16, 1981,, and December 9, 1981, as part of its closing of the Georgia Street site, and these refer to the "removal of contaminated soil." In addition, Mr. Marotta, and not Safety Kleen, had about 60 cubic feet of dirt (from a strip of land fifteen feet long, two feet wide, and two feet deep) removed from the area around Safety Kleen's underground storage tanks after Safety Kleen left the warehouse complex. A considerable quantity of mineral spirits had been spilled to cause such contamination of the soil and staining around the fill pipes for the underground tanks.

Sampling of the site

17. On October 4, 1989, Department staff conducted a preliminary investigation of the area and took groundwater and soil samples near the two underground storage tanks which had been used by Safety Kleen, and samples of the fluids remaining in the storage tanks. The groundwater samples were taken down gradient from the storage tanks. The soil sample was taken at a depth of 10 feet, the groundwater sample at 16 feet. The soils taken from the excavation holes created by sampling had a strong hydrocarbon odor, and the purge water removed from the excavation hole exhibited a sheen characteristic of hydrocarbon petroleum products, which include mineral spirits.

18. The samples taken by DER showed the presence of contaminants in the following concentrations:

	Groundwater	Storage tanks	Soil
napthalene	330. ug/l[1]	412 ug/l	16,000 ug/kw,[2] dw
benzene	22. ug/l	19 ug/l	
1,2 dichlorobenzene	49. ug/l		
1,1 dichloroethane	8.8. ug/l		
1,2 dichloroethylene	19. ug/l	41 ug/l	
ethylbenzene	63. ug/l	340 ug/l	25 ug/kw, dw.
tetrachloraethylene	6.4 ug/l		
xylene	310. ug/l	200 ug/l	
toulene	92. ug/l		

The following metals were found in the groundwater: cadmium 07. ug/l; chromium 91 ug/l; lead 3.5 ug/l.

19. Further tests were made on January 10, 1991, of soil and groundwater samples by Environmental Petroleum and Remediation Services. One monitoring well was installed and four subsurface soil borings were taken. That groundwater sample showed:

1,2 dichlorobenzene	78.2 ug/l
ethlybenzene	33.8 ug/l
napthalene	220.0 ug/l
xylene	102. ug/l

---

[1] Micrograms per liter, equivalent to parts per billion.

[2] Micrograms per kilogram, dry weight, also equivalent to parts per billion.

20. The engineer for Environmental Petroleum and Remediation Services who specializes in the assessment of contamination and development of remedial action plans, Kelly Winslow, installed the monitoring well in the area of the underground storage tanks downgradient of the groundwater flow from the tanks. Soil samples were analyzed by use of a field photoionization detector. Surface soil samples showed slightly elevated levels of organic vapors, while the cuttings from deeper portions of the well down to eight feet showed significantly elevated organic vapors. The soils had a definite hydrocarbon odor. These findings were generally consistent with those found by DER's earlier tests from October 4, 1989.

21. In addition to the Safety Kleen location, several other lessees at the warehouse area were engaged in businesses such as auto repair, auto body work, wood working, carpentry and boat building. There is also some staining of the concrete in front of those bays, but that staining is localized staining of the sort ordinarily associated with leaking oil drip pans from automobiles as occurs in parking lots. The only large areas of stain are near the underground storage tanks, on the east side of the building. There is no evidence of staining in the soil on the other side of the building. Moreover, the Safety Kleen operation was in the southeast corner of the complex. The contamination found in the soil and groundwater is upgradient from the other businesses in the warehouse complex. The contaminated groundwater tends to flow from the Safety Kleen site toward those other businesses, not from those businesses toward

the Safety Kleen site. It is more likely than not that the contamination present began on the Safety Kleen site.

22. A third group of soil samples were collected at the site shortly before the hearing, on April 24, 1991, by consultants for Safety Kleen. Mr. Winslow, the engineer for Mrs. Marotta, also was present when those samples were taken. He saw the samples taken just outside the area with visible signs of staining from a depth of eight to twelve feet, and found that they exhibited a distinct mineral spirits odor. Safety Kleen's consultants had not tested those samples at the time of the hearing.

Characteristics of materials found

23. Benzene is an organic compound typical of distillate hydrocarbon products. While benzene is found in only trace levels in Safety Kleen's parts washer solvent (in the range of 10 to 20 parts per million), it is a naturally occurring ingredient of gasoline in a concentration range from 1/10 of 1% to 3.7%.

24. Napthalene is found in most petroleum-like products, including gasoline, diesel fuel, kerosene, and mineral spirits. Naphthalene concentrations in gasoline range from 1/10 of 1% up to 1%; a nominal concentration is 7/10 of a percent. It occurs in Safety Kleen's parts washer solvent at between .2 and .3 of 1% by weight.

25. Xylene is an aromatic solvent. It is a key ingredient used, along with toluene, to raise the octane of unleaded gasoline. It is found in low levels in Safety Kleen's parts washer solvent.

26. Chlorobenzene is typically man-made in a petrochemical process and is typically used as a solvent.

27. 1,2-dichlorobenzene is the same chemical as orthodichlorobenzene, and is a component of Safety Kleen's 609 immersion cleaner (a different product not a likely cause of the contamination at issue here). It is an excellent degreasing and decarbonizing chemical, and is used in a variety of chemical formulations, including stripping applications. 1,2-dichlorobenzene is not a component of Safety Kleen's parts washer solvent.

28. Ethylbenzene is a C8 aromatic hydrocarbon and naturally occurs in petroleum products. It is found in gasoline, diesel fuel, and in Safety Kleen's parts washer solvent.

29. 1,2-dichloroethylene is a degradation product of 1,1,1-trichloroethane. 1,1,1-trichloroethane is a common chlorinated solvent used in the United States today. 1,1,1-trichloroethane is also commonly used for contact cements and various adhesives.

30. 1,1-dichloroethane, which was found on the site, has never shown up in Safety Kleen's product or waste product. But see Finding 43 below.

31. Tetrachloroethylene is a common solvent used for dry cleaning of clothes, and for degreasing and automotive applications.

32. The presence of these constituents on the site clearly indicates that there is contamination, but these constituents are not identifiers; they are not unique to any

product and their presence does not conclusively identify the source of the contamination.

33. The constituents identified on the site occur in a variety of commercial products. With the exceptions of the 1,2-dichloroethene, they are compounds commonly used in automotive repair, and automotive body shops.

Significance of the sample data

34. Contaminants in the soil and groundwater at the Georgia Street site are classified as hazardous in the list found in Appendix VIII published by the U.S. Environmental Protection Agency at 40 CFR Part 261. These hazardous materials include cadmium, chromium, lead, benzene, chlorobenzene, 1,2-dichlorobenzene, 1,2-dichloroethane, tetrachloroethylene and napthalene.

35. Merlin Russell is a geologist with the Department of Environmental Regulation who is experienced in evaluating hazardous waste closure permits. He reviewed data provided by Safety Kleen for the closure of three other Safety Kleen sites in Florida (one in Tallahassee, one in Tampa, and a different site, called the Fourth Avenue site, in Delray Beach). Comparing the soil and water samples taken from these three sites with samples taken at the Georgia Street site, Mr. Russell found each of the constituents from the Georgia Street site were also present in at least one of the samples from the other Safety Kleen sites. This similarity in constituents led Mr. Russell to conclude that Safety Kleen's operation is a likely source of the contamination present at the Georgia Street site. On the whole, the evidence is consistent with Mr. Russell's analysis.

36. James Breece holds a doctorate in chemistry, and is a vice president for Safety Kleen. He agreed that Safety Kleen's operation at Georgia Street would be a possible source of the contamination found there, though he would not agree that the evidence was sufficient to show that Safety Kleen was the actual source of that contamination.

37. Mr. Breece characterized the Safety Kleen mineral spirits as an aliphatic hydrocarbon solvent, with a medium boiling range, made up predominantly from C9 to C13 hydrocarbons.

38. According to DER Exhibit 11, the October 1989 Report of Savannah Laboratories, in the soil samples from the Georgia Street site, a total of 16,860 ug/kg dry weight of unknown volatile organics are found, 6420 ug/kg of which are in the C8-C10 range, and none of which were identified as being in a lesser or greater range than the C8-C10 range.

39. In the soil sample, a total of 384,000 ug/kg dry weight of unknown semi-volatile organics are found, 70,000 ug/kg of which are in the C8-C13 range, and none of which were identified as being in a lesser or greater range than C8-C13.

40. In the groundwater, a total of 726 ug/l of unknown volatile organic hydrocarbons are found, of which 367 ug/l were identified as being in the C8-C10 range, and 92 ug/l in the C7 range (toulene).

41. Safety Kleen has acknowledged that toluene, xylene, benzene, ethylbenzene, 1,1,1,-trichloroethane, naphthalene, 1,2-dichlorobenzene, 1,2-dichloroethylene, and tetrachloroethylene are constituents, or breakdown products of constituents, present in Safety Kleen mineral spirits.

42. Dr. Breece could not identify 1,1-dichloroethane as a constituent or breakdown product of Safety Kleen mineral spirits or immersion cleaner, although he acknowledged that it was "probably a degradation product of something."

43. Jeffrey Brian Watts holds a doctoral degree in chemistry. He is the administrator of the Department's site investigation section, in the Bureau of Waste Cleanup. He authored a book entitled Groundwater Monitoring Parameters and Pollution Sources. Dr. Breece of Safety Kleen agreed that, according to the descriptions in Dr. Watts' book of different characteristic waste profiles generated by different industries 1, 1 - dichloroethane is a degeneration product of 1, 1, 1 - trichloroethane, which is a constituent of Safety Kleen mineral spirits.

44. Dr. Watts is familiar with the waste chemistry and subsurface waste chemistry of Safety Kleen mineral spirits and related retail product known as immersion cleaner. Dr. Watts has been involved with hundreds of site investigations, which included the evaluation of chemical data to determine a source or likely source of soil and groundwater contamination. In all of his investigations, Dr. Watts only has found 1,2-dichlorobenzene at four sites, two of which involve Safety Kleen (the Georgia Street site is one of those two). Dr. Watts' testimony was persuasive that the soil and groundwater contamination at the Georgia Street site comes from a middle distillant petroleum fraction with low levels of chlorinated solvent. Safety Kleen mineral spirits are middle distillant petroleum fractions (C9 -

C13) volatile organics and have low levels of chlorinated solvent. Gasoline is not a likely source of the contamination of the Georgia Street site because the ratio of benzene-toluene-xylene at the site and the absence of 1, 2 - dichloroethane at the site.

45. The ratio of napthalene to benzene in fresh or waste mineral spirits as compared to the ratio of napthalene to benzene found in the soil and groundwater at the Georgia Street site differ as a result of subsurface chemical and physical reactions known as partitioning. The more soluble components such as benzene leach into the water while the less soluble components such as napthalene remain in the soil.

46. The evidence as a whole shows it is more likely than not that the contamination of the soil and consequent continuing contamination of the groundwater up gradient of the wellfield for the City of Delray Beach was caused by the activities of Safety Kleen at the Georgia Street site, either from a leak in an underground tank, or more likely, from frequent spills of mineral spirits or overfilling of the underground tank.

CONCLUSIONS OF LAW

1. The Division of Administrative Hearings has jurisdiction over this matter. Section 120.57(1), Florida Statutes.

2. Respondents are persons within the meaning Section 403.031(5), Florida Statutes.

3. Chapters 120, 403 and Parts I and IV Florida Statutes, and Titles 17-3, 17-28, 17-103, 17-701, and 17-730, Florida Administrative Code, are pertinent to this proceeding.

Hazardous Waste Discharge

4. The provisions of 40 C.F.R. Section 260.10, as revised as of July 1, 1990, which are EPA's definitions under the Resource Conservation and Recovery Act (RCRA), have been adopted by reference in Rule 17-730.020(1), Florida Administrative Code.

5. The provisions of 40 C.F.R. Part 261, as revised as of July 1, 1990, which are EPA's rules on the identification of hazardous waste, have been adopted by reference in Rule 17-730.030(1), Florida Administrative Code.

6. Waste mineral spirits are a listed hazardous waste under 40 C.F.R. Part 261.

7. The site at 1208 Georgia Street is a "hazardous waste facility" within the meaning of Section 403.703(24), Florida Statutes, since it is a "site . . . at . . . which hazardous waste" has been "disposed of." It is a "facility" within the meaning of 40 C.F.R. Section 260.10, since it is "land and structures . . . used for . . . disposing of hazardous waste."

8. "Hazardous substance" is defined in Section 403.703(31), Florida Statutes, as "any substance which is defined as a hazardous substance in the United States Comprehensive Environmental Response, Compensation and Liability Act of 1980." (CERCLA)

9. CERCLA defines "hazardous substance" as " . . . (B) any element, compound, mixture, solution, or substance designated pursuant to section 102 of this Act . . . . " [42 U.S.C. 9601(14)(B)]

10. Section 102(a) of CERCLA requires the EPA Administrator to "promulgate . . . regulations designating . . . hazardous substances . . . ." 42 U.S.C. 9602(a)

11. The hazardous substances designated by the EPA pursuant to section 102(a) are listed at 40 C.F.R. Section 302.4 and include the following substances found in the soil or groundwater at 1208 Georgia Street: benzene; chlorobenzene; chromium; 1,2-dichlorobenzene; 1,1-dichloroethane; cis-trans 1,2-dichloroethylene; ethylbenzene; lead; naphthalene; toulene; xylenes.

12. Section 403.727(4), Florida Statutes, makes "the owner . . . of a facility [and] any person who at the time of disposal of any hazardous substance . . . operated any facility . . . liable for all costs of removal or remedial action incurred by the department under this section and damages for injury to, destruction of, or loss of natural resources . . . resulting from the release . . . of a hazardous substance . . . "

13. Respondent Marotta is the "owner . . . of a facility" within the meaning of 40 C.F.R. Section 260.10 and Section 403.727(4)(a), Florida Statutes.

14. Respondent Safety Kleen is an "operator" within the meaning of 40 C.F.R. Section 260.10 and a "person who at the time of disposal of any hazardous substance . . . operated any facility at which such hazardous substance was disposed of" within the meaning of Section 403.727(4)(b), Florida Statutes.

15. Respondents are each liable to the Department for remedial action, costs and damages pursuant to Section 403.727(4), Florida Statutes.

16. Sections 403.727(4), (5), (6) and (7) provide the owners and operators of facilities disposing of any hazardous substance a limited number of defenses to liability. Subsections (6) and (7) refer to owners and operators who have contracted with licensed waste disposal or processing facilities or who have contracts with bonded or insured transporters, respectively. These provisions are not relevant to this case. Section 403.727(5) sets forth the only defenses available here to an owner or an operator:

> The following defenses are available to a person alleged to be in violation of this act, who shall plead and prove that the alleged violation was solely the result of any of the following or combination of the following: (emphasis added)
>
> (a) An act of war.
> (b) An act of government, either state, federal or local . . .
> (c) An act of God . . .
> (d) An act or omission of a third party other than an employee or agent of the defendant or other than one whose act or omission occurs in connection with a contractual relationship existing, directly or indirectly, with the defendant . . . if the defendant establishes by a preponderance of the evidence that:
>
> 1. The defendant exercised due care with respect to the . . . hazardous waste . . . and
> 2. The defendant took precautions against foreseeable acts or omissions of any such third party and against the consequences that could foreseeably result from such acts or omissions.

17. Neither Safety Kleen nor Mrs. Marotta have proven one of the defenses provided in Section 403.727(5), Florida Statutes. Mrs. Marotta cannot rely on the fact that the contamination was caused solely by Safety Kleen, because Safety

Kleen's acts or omissions occurred in connection with the contractual lease agreement with Mrs. Marotta and her husband as owners of the property. Safety Kleen cannot rely on the fact that discharges from other businesses located at the warehouse complex may have made some contribution to the contamination, because Safety Kleen has not proved, or attempted to prove, that the contamination was caused solely by such third parties. As shown in the Findings of Fact, it is more likely than not that the contamination present was caused by Safety Kleen.

Imminent Hazard

18. Section 403.726, Florida Statutes, provides as follows:

> (2) The department shall take any action necessary pursuant to s. 403.121 or s. 403.131 to abate or substantially reduce any imminent hazard caused by a hazardous substance . . . .
> (3) An imminent hazard exists if any hazardous substance creates an immediate and substantial danger to . . . the environment.

19. Section 403.121, Florida Statutes, authorizes the Department to institute a civil action or an administrative proceeding to establish liability and to recover damages; Section 403.131, Florida Statutes, authorizes the Department to seek injunctive relief.

20. An imminent hazard to the environment exists here because the hazardous substances in the soil are contaminating the groundwater of the state, this is especially so because the groundwater contributes to a wellfield which serves as a source of potable water for a municipality.

21. The contaminants found in the soil and groundwater at the Georgia Street site are solid wastes within the meaning of Section 403.703(13), Florida Statutes, and Rule 17-701.020(57), Florida Administrative Code, since they are "discarded material, including solid, liquid, semisolid or contained gaseous material resulting from . . . industrial [or] commercial . . . operations."

22. Under Section 403.708(1)(a), Florida Statutes, "no person shall place or deposit any solid waste in or on the land or waters located within the state except in a manner approved by the department . . . " This prohibition has been in effect since July 1, 1974 (Laws of Florida, Chapter 74-342 at p. 1098).

23. Discharge of waste mineral spirits in or on the land or groundwater at the Georgia Street site was not done in a manner approved by the Department. Rule 17-701.040(2)(f), Florida Administrative Code, provides that "No solid waste shall be disposed of by being placed . . . in any natural or artificial body of water including ground water."

24. Safety Kleen has deposited solid waste into ground waters of the state in violation of Chapter 403, Florida Statutes, and the rules promulgated thereunder.

Ground Water Violations

25. Section 403.088(1), Florida Statutes, provides that "No person, without written authorization of the department, shall discharge into waters within the state any waste which, by itself or in combination with wastes of other sources, reduces the quality of the receiving waters below the classification established for them."

26. The groundwater from which samples were taken at the Georgia street site is classified as Class G-II pursuant to Section 403.061(10), Florida Statutes, and Rule 17-520.410, Florida Administrative Code, because it is ungradient of the well field for the City of Delray Beach.

27. Class G-II groundwater is subject to the minimum criteria for groundwater mandated in Rule 17-520.400, Florida Administrative Code:

> All groundwater shall at all places and at all times be free from . . . industrial . . . or other man-induced non-thermal components of discharges in concentrations which, alone or in combination with other substances, or components of discharges (whether thermal or non-thermal) . . . (b) Are carcinogenic, mutagenic, teratogenic, or toxic to human beings; or . . . (d) Pose a serious danger to the public health, safety, or welfare; or (e) Create or constitute a nuisance . . . .

28. The presence of hazardous substances in Class G-II groundwater violates the minimum criteria of Rule 520.400(1), Florida Administrative Code.

29. Rule 17-520.420(1)(a), Florida Administrative Code, provides:

> In addition to the minimum criteria provided in Section 17-520.400, F.A.C., waters classified as Class G-I and Class G-II groundwater shall meet the following standards: The primary and secondary drinking water quality standards for public water systems established pursuant to the Florida Safe Drinking Water Act. . . .

30. Safety Kleen has caused violations of the primary drinking water quality standards promulgated in Rule 17-550.310, Florida Administrative Code, at the Georgia Street site by discharging the following inorganic and organic contaminants:

Benzene (limited to .001 ug/l), Chromium (limited to .05 ug/l) and tetrachloroethene (a/k/a perchloroethylene) (limited to .003 ug/l). The tested concentrations exceed these standards. See Finding 17.

Maintaining a Stationary Installation

31. Section 403.087(1), Florida Statutes, provides that:

> No stationary installation which will reasonably be expected to be a source of air or water pollution shall be . . . maintained . . . without an appropriate and currently valid permit issued by the department. . . .

32. "Installation" is defined in Section 403.031(4), Florida Statutes, as:

> any structure, equipment, or facility, or appurtenances thereto, or operation which may emit air or water contaminants in quantities prohibited by rules of the department.

33. The contaminated soil at the Georgia Street site contaminants groundwater, and constitutes a "stationary installation which will reasonably be expected to be a source of . . . water pollution" which is being maintained by the current owner of the property, Mrs. Marotta, without a permit.

Causing Pollution

34. "Pollution" is defined in Section 403.031(7), Florida Statutes, as:

> the presence in the . . . waters of the state of any substances, contaminants . . . or manmade or man-induced impairment of . . . waters or alteration of the chemical, physical, biological or radiological integrity of . . . water at levels which are or may be potentially harmful or injurious to human health or welfare, animal or plant life, or property. . . .

35. Section 403.161(1)(a), Florida Statutes, provides:

> It shall be a violation of this chapter, and it shall be prohibited for any person to cause pollution . . . so as to harm or injure human health or welfare, animal, plant or aquatic life or property.

36. The presence of hazardous substances in the Class G-II groundwater of the state with concentrations of pollutants exceeding those permitted by rule is pollution, and Safety Kleen has caused pollution so as to injure property (groundwater), in violation of Section 403.161(1)(a), Florida Statutes.

RECOMMENDATION

Based upon the foregoing Findings of Fact and Conclusions of Law, it is

RECOMMENDED that a Final Order be entered against Safety Kleen and Delores Marotta making the proposed orders for corrective action final, and requiring the development of a contamination assessment plan and implementation of a remedial action plan.

DONE AND ENTERED in Tallahassee, Leon County, Florida, this ____ day of July 1992.

WILLIAM R. DORSEY, JR.
Hearing Officer
Division of Administrative Hearings
The DeSoto Building
1230 Apalachee Parkway
Tallahassee, Florida 32399-1550
(904) 488-9675

Filed with the Clerk of the
Division of Administrative Hearings
this 10th day of July 1992.

NOTICE OF RIGHT TO SUBMIT EXCEPTIONS:
All parties have the right to submit written exceptions to this Recommended Order. All agencies allow each party at least 10 days in which to submit written exceptions. Some agencies allow a larger period within which to submit written exceptions. You should contact the agency that will issue the final order in this case concerning agency rules on the deadline for filing exceptions to this Recommended Order. Any exceptions to this Recommended Order should be filed with the agency that will issue the final order in this case.

Copies furnished:

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APPENDIX TO RECOMMENDED ORDER
IN CASE NOS. 90-6665 AND 90-7360

Rulings on Findings proposed by the Department:

The Findings proposed by the Department generally have been accepted.

Rulings on Findings proposed by Safety Kleen:

1. Addressed in preliminary statement.
2. Rejected as unnecessary.
3. Rejected as unnecessary.
4. Generally rejected as unnecessary, but the preliminary assessment by the Department is described in Finding 17.
5. Generally adopted in Finding 17.
6. Generally adopted in Finding 17.
7. Generally adopted in Finding 18.
8. Adopted in Finding 18.
9. Adopted in Finding 18.
10. Rejected as unnecessary.
11. Adopted in Finding 1.
12. Adopted in Findings 1 and 2.
13. Rejected as unnecessary.
14. Generally adopted in Findings 2 and 21.
15. Generally adopted in Finding 33.
16. Adopted in Finding 8.
17. Generally adopted in Finding 8.
18. Adopted in Findings 5 and 27.
19. Rejected as unnecessary, but see Finding 27.
20. Adopted in Finding 8.
21. Rejected as unnecessary because there is no reason to believe that immersion cleaner was dumped into the underground tank for dirty mineral spirits.
22. Generally, adopted, though in a briefer form, in Findings 12 and 13.
23. Rejected for the reasons stated in Finding 10.
24. Adopted in Finding 12, but the proposed finding that there was never more spent solvent vacuumed into the tanker than the tanker truck could hold, based on the testimony of Mr. Eifler, is rejected as unconvincing, as is the testimony that there were never spills discharge during the process. Spills well could have occurred which Mr. Eifler would not know about.
25. Adopted in Finding 10.
26. Adopted in Finding 7.
27. Rejected because it is not clear that Mr. Eifler would have known about any leaks, although I accept that he was never advised of any leaks.
28. Adopted in Finding 7.
29. Adopted in Findings 7 and 13. I accept the testimony that Safety Kleen never received any complaints that the tanks were leaking or improperly cleaned.

30. This general denial is rejected for the reasons stated throughout the Findings.

31. Rejected as subordinate to Finding 11.

32. Rejected as argument.

33. Generally rejected, see Findings 11, 14 and 15. The muddiness is the not the result only of washing trucks in the area.

34. Rejected because the contaminated dirt was replaced. See Finding 16.

35. Generally rejected as subordinate to Finding 11.

36. Rejected, a relatively large volume of material must have been spilled. See Finding 15.

37. Generally adopted in Finding 15.

38. The testimony of Mr. Russell is described in Finding 35. The evidence, viewed as a whole, supports Mr. Russell's opinion by a preponderance of the evidence.

39-41. Rejected as unpersuasive.

42. The testimony of Ms. Kulakowski has generally been accepted. See Finding 3.

43. Rejected, the testimony of Ms. Kulakowski, standing alone, is not the basis for the finding that the preponderance of the evidence indicates the contamination was caused by Safety Kleen. All the evidence, taken together, lead to that conclusion.

44. Rejected as argument.

45. Rejected as a recitation of testimony.

46-47. The testimony of Mr. Winslow has generally been accepted. It is not clear exactly what the contours of the contaminated soil are, and it is that the contamination would be shaped irregularly as it has settled into the soils over the years.

48. Rejected because the testimony of Dr. Watts was persuasive.

49. Rejected, although the Department may perform investigations in other ways in other cases, this does not mean that the evidence presented by the Department here was unpersuasive.

50. Generally accepted in Finding 36.

51. Generally accepted in Finding 36.

52. Adopted in Findings 5 and 37.

53. Rejected as unnecessary.

54. Adopted in Finding 32.

55. Adopted in Finding 23.

56. Adopted in Finding 24.

57. Adopted in Finding 25.

58. Adopted in Finding 26.

59. Adopted in Finding 27.

60. Adopted in Finding 28.

61. Adopted in Finding 29.

62. Adopted in Finding 30.

63. Adopted in Finding 31.

64. Adopted in Finding 32.

65. Generally adopted in Finding 33.

66. Generally rejected because the evidence, taken as a whole, points to the activities of Safety Kleen as the source of the pollution. The failure of Safety Kleen to have presented in evidence the findings of its analysis (see Finding of Fact 22) gives rise to an inference that those findings would be damaging to its case.

67. Rejected based upon the testimony of Dr. Watts.

68. Rejected because 1,2 dichloroethane is a degeneration product of a constituent of the Safety Kleen solvent. See Finding 43. See also Finding 45.

69. Rejected as unnecessary. Sufficient other evidence points to Safety Kleen as the source of the pollutions so that the type of extraction procedure for metals is not significant in deciding this case.

70. It is not necessary for the Department to eliminate present and past businesses operating at the site as the source of contamination. Under the law that is the duty of Safety Kleen, to raise as an affirmative defense. See the Conclusions of Law, page 23.

71. Generally rejected for the reasons stated in Finding 21.

72. Generally rejected for the reasons stated in Finding 21.

73. While other businesses could have contributed to the contamination, that is not the standard here. It is more likely than not that the contamination seen is the result of spills by Safety Kleen.

74. Generally adopted in Finding 16. It is unlikely that the small amount of contamination resulting from causal spills by other tenants would account for the extent of the contamination, especially with C8-C13 hydrocarbons found by testing.

Rulings on Findings proposed by Delores Marotta:

1. Adopted in Finding 1.
2. Adopted in Finding 2.
3. Adopted in Finding 3.
4. Adopted in Finding 3.
5. Adopted in Finding 4.
6. Generally adopted in Findings 5 and 27.
7. Adopted in Findings 2, 5 and 12.
8. Adopted in Findings 8 and 11.
9. Adopted in Findings 12 and 13.
10. Adopted in Finding 12.
11. Adopted in Finding 11.
12. Adopted in Finding 7.
13. Adopted in Finding 15.
14. Adopted in Finding 17.
15. Adopted in Finding 18.
16. Adopted in Finding 18.
17. Adopted in Findings 19 and 20.
18. Adopted in Findings 19 and 20.
19. Adopted in Finding 22.

RECEIVED
JUN 2 3 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

safety-kleen®

June 19, 1992

Sent Via Federal Express
Mail - June 19, 1992

Mr. Knox McKee
Hazardous Waste Section
Florida Department of Environmental
Regulation - Southeast District
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406

Subject: Transfer Facility Notification and
Request for Inspection
Safety-Kleen Corp., Medley Facility
EPA ID No. FLD 984 167 791

Dear Mr. McKee:

As discussed and agreed upon with you and with Ms. Terri Chasteen of FDER-Tallahassee, during phone conversations on the date of this letter, the purpose of this letter is to reaffirm to the Department that Safety-Kleen does not need to notify again on FDER form 17-730.900(6) prior to operating as a transfer facility at the above referenced location.

Last February 4, 1992, we notified the Department using the above mentioned form of our intent to store transfer facility wastes at our Medley facility. By sending the notification form at least 30 days prior to storing transfer facility wastes, Safety-Kleen has fulfilled the notification requirements of Section 17-730.171(3), F.A.C.. Furthermore, as mentioned in your letter of March 10, 1992 (enclosed), the information we provided last February 4 will be acceptable once compliance with Specific Condition 8 is achieved. Also, our construction permit HC13-175466 which was modified last May 15, 1992 recognizes that we will be storing transfer wastes at our Medley facility. A detailed description of our management of transfer facility waste is also included in our major permit modification request submitted last January 13, 1992.

In accordance with Specific Condition 8.(b) of permit HC13-175466, this letter is also to request that the Department conduct its inspection of the Medley facility and inform us of the results of its inspection as soon as possible. We are in the process of ensuring that the facility will be in full compliance with all permit conditions. Specific Condition

129 S. KENTUCKY AVE, SUITE 701 LAKELAND, FL 33801 PHONE 813/682-8094 FAX 813/688-3683

8(b) requires the Department to inspect the newly constructed facility and to find whether it is in full compliance with all permit conditions and all applicable state regulations. As you know, our hazardous waste permit for our Miami facility expires July 15, 1992. We obviously would like to receive our approval to operate at our Medley facility by this date so we can transfer any hazardous wastes in Miami over to our new facility.

Your consideration in this regard is requested. If you have any questions, please call me at (813)682-8094.

Sincerely,

Victor L. San Agustin

Victor L. San Agustin, P.E.
Regional Environmental Manager
Tampa Region

cc: Terri Chasteen, FDER-Tallahassee
Satish Kastury, FDER-Tallahassee
Allan Farmer, USEPA IV
Vic Kamath, P.E., SE-FDER
Bobby Cooley, P.E., SE-FDER

W. O. Heyn
256 Woodbine Place
Barrington, IL 60010
Phone 708-381-6743

June 8, 1992

Mr. Robert Kukleski
Florida Dept. of Environmental Regulations
1900 South Congress Ave., Suite A
West Palm Beach, FL 33406

RECEIVED
JUN - 8 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

Re: Safety-Kleen Corp.
Medley Branch Construction Certification
Part B Permit HC-13-175466

Dear Mr. Kukleski:

The hazardous waste facilities at the subject location have been constructed in accordance with the construction permit with exceptions identified in the enclosed report. The exceptions have previously been discussed with the agency by Cindy Norton of ERM South or Victor San Agustin of Safety-Kleen. Although all of the hazardous waste facilities have been constructed, the roof, office area, landscaping and paving will be completed before a Certificate of Occupancy is requested from the City of Medley.

The attached certification and documents should satisfy the requirements of the Part B Permit. If you have any questions, please contact me at 708-381-6743.

Sincerely,

W. O. Heyn, P.E.
Florida Cert. N. 45516

WOH:bam

Enclosure: One set of full-size as-built prints

cc: Jack Krevic - SK Atlanta Regional Office
Victor L. San Agustin - SK Tampa Region
Cindy Norton - ERM South

Department of Environmental Regulation

Routing and Transmittal Slip

To: (Name, Office, Location)

1. SATISH KASTURY
2. DER / TALLAHASSEE
3. HAZARDOUS WASTE
4.

Remarks:

THIS CERTIFICATION AND DOCUMENT HAVE BEEN SUBMITTED TO SATISFY SPECIFIC CONDITIONS #2, # 8.(a); AND 15 OF HW CONSTRUCTION PERMIT HC13-175466.

From: KNOX McKEE

Date 6/9/92

Phone SC: 453-2650

Professional Engineers Certification Report

of

Construction of the Safety-Kleen Medley, Florida

Branch Service Center

By W. O. Heyn P.E.
Florida Certificate
No. 45516

CERTIFICATION

Florida Dept. of Environmental Regulation

Facility Name SAFETY-KLEEN CORP., MEDLEY, FLORIDA
FDER Site Code FLD984167791
Construction Permit Requiring Certification HC-13-175466
Permit Issuance Date March 1, 1991

The Hazardous Waste Facilities have been constructed and tested in accordance with the specifications in the Part B construction permit with the exceptions noted in the attached report. Documentation that the construction was in accordance with the permit is contained in the enclosed report.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment for knowing violations.

Glenn Casbourne
Signature of Owner/Operator

Glenn R. Casbourne, Vice-President, Engineering
Name and Title

William O. Heyn
Signature of Registered P.E.

William O. Heyn, 45516
Name of Registered P.E. and Florida P.E. No.

6-8-92
Date

(P.E. Seal)

Construction Documentation Report for Construction of Hazardous Waste Facilities at the Safety-Kleen Corp. Branch Service Center Located at 8755 N.W. 95th Street, Medley, Florida

Introduction

Safety-Kleen Corp. constructed an office, warehouse building and tank farm with ancillary equipment in Medley, Florida in accordance with the requirements of the Part B construction permit that was issued by the Florida DER on March 1, 1991 and amended on December 9, 1991 and May 15, 1992 with deviations from the permit indicated in this report. Figure 11A.4(b)-3 indicates Sanford whereas it should be Medley. Also the tank farm as-built is in the "Future" location which is consistent with the rest of the permit.

Regulatory Requirements:

40CFR264.192(a)

The tanks for storage of hazardous waste were constructed in accordance with Underwriters Laboratories Inc., "Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids." The tank shell thickness is 1/4" from 0 to 18 feet, and 3/16" from 18 to 24 feet. The tank bottom is 1/4" thick and the tank top is 3/16" thick steel. The waste ethylene glycol and waste mineral spirits tanks are identical.

All tanks are coated with white acrylic base paint. All pipes and threads ~~are~~ will be painted to protect them from corrosion. Each tank is protected by a high level alarm which will sound and activate an alarm and a strobe light when the tank level reaches 95% of capacity. The alarm on the waste solvent tank will also deactivate the waste solvent pump at the return and fill. The high level alarm system was changed from a float activated switch to a sonar based tank gauge and high level alarm system called "Level Devil" provided by Electronic Sensors, Inc. of Wichita, Kansas.

All connections to the tanks are equipped with a spring loaded safety valve held in the open position by a fusible link that will melt and allow the valve to close in the event of a fire.

40CFR 264.192(b)

Each tank was inspected after installation for weld breaks, punctures, scrapes of protective coatings, cracks, corrosion and other structural damage or inadequate construction/installation.

All discrepancies found were corrected and the tanks are suitable for use.

40CFR264.192(c) Not applicable

40CFR264.192(d)

The tanks, after installation, were filled over 95% of full with water and observed for 5 hours for leaks. No leaks were observed and the tanks are certified tight. All ancillary equipment was tested in conjunction with the tank tests and certified tight.

40CFR264.192(e)

All ancillary equipment has been properly mounted and installed. All lengths of piping are supported no less than every eight running feet.

40CFR264.192(f) Not applicable

40CFR264.192(g) See Certification Statement

40CFR264.193(a-e)

Tank secondary containment in the form of an open concrete dike vault has been constructed in accordance with prints No. 316301-5002-00 Sheet No. 8 and 316301-5015-00 Sheet No. 9. The floor and dike walls of the tank containment system contain no cracks. The slab has been sloped to drain all liquids that accumulate inside the containment system to a

stainless steel sump which can be readily pumped out to a holding tank to remove the accumulated liquids. The sump is located adjacent to the south wall of the vault per Figure II C2-1.

The interior of the dike walls and slab are coated with an epoxy material (Semstone 140) to prevent permeation through the concrete.

40CFR264.193(f)

Some piping inside the dike vault is threaded. Secondary containment for this piping is provided by the vault. All piping outside the concrete dike vault has fully welded connections. The clean solvent pump has been installed inside the concrete dike vault as is the spill container for hookup to tank trucks. Note: Although the permit specified that six tanks would be installed in the tank farm, only 3 tanks have been installed: one dirty mineral spirits tank, one clean mineral spirits tank and one waste glycol tank. The two waste oil tanks and the perchloroethylene tank were not installed but may be at a later date. Also the permit showed the tank truck connections outside the diked area and a change was made to move them inside the diked area. Refer to print No. 316301-2000-00 sheet No. 45.

With reference to Fig. II C.2-1 Tank Farm; The location of the tanks was changed to accommodate the use of one truck connection container. As-built, the used mineral spirits tank is located in the southwest corner of the vault whereas the permit shows it in the southeast corner of the vault. The fresh mineral spirits tank as-built is located in the northwest corner of the vault vs. the northeast location per the permit. The used ethylene glycol tank as-built is located in the south central position of the tank farm vs. the permit location in the northwest position. The tanks were mounted on stainless steel sheets, 13 ft. 8 in. by 13 ft. 8 in. which were bolted to the concrete housekeeping pads.

The dimensions of the vault, as-built, varies from the permit dimensions as follows; length 58 ft. 0 in. vs. 56 ft. 0 in. in the permit, width 40 ft. 0 in. vs. 40 ft. 0 in. in the permit. The height of the dike wall varies from 36-1/4 in. to 38 in. due to the sloped floor of the vault

vs. 36 in. in the permit. Three monitoring wells have been installed about 10 ft. from the north, east and west sides of the vault.

Tank Truck Loading Area

The permit application shows an 80 ft. by 25 ft. tank truck loading area constructed of 6 in. thick reinforced concrete sloping 2 inches to a 2 ft. diameter by 2 ft. deep stainless steel sump with no outlet. A change was made to increase the slope to 9 inches to increase the containment capacity of the pad to 2917 gallons. Refer to print No. 316301-5003-00 sheet No. 10. The containment volume of the truck loading area was measured by filling with water. The actual volume measured was 2432 gallons which is significantly less than the design volume.

Tank Farm Shelter

Provisions were made during construction to provide foundations for a proposed tank farm shelter which will be installed at a later date. This proposed shelter will cover the entire tank farm and tank truck loading pad with an overhang of 10 ft. at each end of the tank farm (east and west) and a 2 ft. overhang on the front and rear (south and north) of the tank farm and tank truck loading slab. This shelter will prevent a major portion of rainfall from entering the containment areas. No side walls will be installed so that access for fire fighting is not impaired. Refer to print Sheet No. ST-1 Tank Farm Canopy.

Warehouse Containment Area

The Warehouse containment area was constructed in accordance with print 316301-7005-00 Sheet No. 26. The sloped floor containment area is free of cracks and has been sealed with an epoxy sealant (Semstone 245) that is chemically resistant to the products to be stored in the warehouse. The sloped floors of the warehouse drain into a 12 ft. x 2 ft. stainless steel sump that has no outlet. Any spills collected in the sump will be pumped out and properly disposed. The containment volume of the warehouse was measured by filling with water. The actual

volumetric measure was 2996 gallons which is equal to or greater than the design volume of 2940 gallons.

With reference to Fig. II B.1-1 Container Storage Location; The rollup door and personnel door in the northeast location in the east wall of the warehouse were moved to a southeast location in the east wall. A personnel door was added to the north wall. The security fence in the warehouse was relocated and two 6 ft. wide by 8 ft. high sliding gates were added to the fence.

The truck loading dock will contain one dock leveler and provisions for a second leveler and will be covered by a metal roof. Any spills that occur on the loading dock will be collected in a 24 ft. x 2 ft. stainless steel trench located at the foot of the dock. This trench, covered by a steel grating, has no outlet and any spills must be pumped out by use of a portable pump.

Return and Fill

The return and fill containment is made up of concrete floors sloped to two 2 ft. diameter by 2 ft. deep stainless steel sumps that have no outlets. The concrete containment areas are sealed by an epoxy sealant (Semstone 140) that is compatible with and resistant to the solvents that will be handled in the facility. The steel loading dock, sized to handle 8 trucks, is covered by heavy duty grating that can support all anticipated loads including forklifts. Openings in the gratings contain two drum washers for dumping and washing solvent drums. The dock is equipped with dock plates to provide safe access to the trucks. Hose trees are located at the edge of the dock to provide valves and hose mountings for filling drums.

Two as-built, wet dumpster/barrel washers were installed adjacent to each other near the positions indicated in Fig. II C.7-3 Return and Fill Shelter.

The containment volume of the return and fill area was measured by filling with water that was used in the hydrostatic test of the tanks. The actual volume measured was 3693 gallons which compares favorably with the design volume of 3680 gallons. After the test the water was pumped into the storm sewer.

The permit application showed a single 20 ft. by 2 ft. rectangular stainless steel sump in the return and fill. A change was made to two round sumps with changes in the floor slopes to accommodate them and to achieve the same overall containment volume. Refer to print no. 316301-7004-00 sheet No. 24.

Fire Suppression System

The fire sprinkler system for the warehouse, Return and Fill area and the office area has been designed and installed by Kannapolis Fire Sprinklers. The piping system with sprinkler heads for the warehouse and Return and Fill areas have been completed and are operational. The available water flow has been tested by the City of Medley. The available flow has been found to be inadequate as required by NFPA for a water system. Flow *is* adequate for a foam system which has been installed. The foam bladder tank has been installed in the southeast corner of the warehouse with the required controls. The foam sprinkler system will be tested by the installer and approved by the Medley Fire Department prior to issuance of the Certificate of Occupancy.

Other Emergency Equipment

Fire Extinguishers - The warehouse and Return and Fill are equipped with seven 20 lb. ABC fire extinguishers wall bracket mounted and labeled in accordance with the approved design.

Eye Washer/Showers - one eyewash/shower is located on the west wall of the warehouse adjacent to the doorway to the Return and Fill. A second eyewash/shower is located on the west side of the steel loading dock in the Return and Fill area. A third eyewash/shower is located adjacent to the tank farm.

Exit Signs - All doorways opening to the outside are identified by a lighted "Exit" sign.

Personal Protective Equipment - All employees working in the Warehouse and the Return and Fill will be required to wear safety glasses with side shields, hard hats and safety shoes.

Branch Security

The working areas of the Medley facility are enclosed by a 6 foot high chain link fence with a one foot extension containing 3 strands of barbed wire. Access and exit is through two 30 ft. sliding gates which are motor operated. Entrance ~~is~~ WILL BE achieved by a keypunch pad located adjacent to the entrance drive. The gate opening ~~can~~ WILL also be achieved by a push button located in the office. Gate closing ~~is~~ WILL BE controlled by a timer and an electric eye. All gates are required to be kept closed at all times except for passage of vehicles.

Access into the office is controlled by a door equipped with an electrically operated lock activated from inside the office. Two doors exiting from the office area will be equipped with an emergency bar on the inside. These doors can only be opened from inside the building.

Signs designating "no smoking", "fire extinguisher", etc. have been mounted in locations shown on drawing No. 316301-9000-00 Sheet No. 28.

Site Storm Water Control

The City of Medley has no stormwater drainage system available for this site. In order to provide for stormwater control and disposal, the areas to be paved have been equipped with 6 catch basins each of which are connected to an underground collection system. The collection system consists of 15 in. diameter perforated corrugated metal pipes laid horizontally 3 ft. underground in 15 ft. deep by 36 in. wide trenches filled with pervious material. The capacity of these structures is adequate to store a rainfall of 6.7 inches over a 1 hour period. The water collected in the structure will drain by seepage into the surrounding soil.

Electrical

All electrically operated equipment was tested with a temporary electrical supply. Florida Power and Light will hook up permanent power after the Certificate of Occupancy is issued by the City of Medley.

Strategy for measuring volume of Containment Areas and Testing Tanks and Piping Systems

Since the tanks are to be tested by filling with water and observing for leaks, 20,000 gallons of water will be available for filling the various containment systems, i.e: Return and Fill (3680 gal. reqd.) and the warehouse (2940 gal. reqd.) and the tank truck loading/unloading pad (2917 gal. reqd.)

One option to determine volumes is to measure the physical dimensions of each containment area and calculate the actual volume each would contain.

A second option would be to fill each containment volume with water from the tank test and measure the amount of water used by means of the tank gauge after the tanks are tested.

The high level alarms for the tanks should be operational when the tanks are filled to provide a test of the high level alarm system for each tank.

At the completion of the tests the water will be drained into the stormwater drainage system onsite.

Procedure

1. Fill used Mineral Spirits tank with water from the domestic supply until the high level alarm sounds. Record the number of gallons indicated by the tank gauge. Continue to fill an additional 500 gal. taking care *not* to overfill the tank. Observe the tank system for 5 hours for leaks. Note any leakage that must be repaired before placing tank in service.

2. Hook up an auxiliary pump to the drain line of the used Mineral Spirits tank and connect the discharge to the fill line of the Used Glycol Tank. Transfer the water to the Used Glycol tank. Note: The residual water in the bottom of the used Mineral Spirits tank is not available for this part of the test. Add additional water to the Used Ethylene Glycol of 500 gallons over the point at which the high level alarm sounds. Record the tank gauge reading when the high level alarm sounds. After the tank is filled observe the tank system for 5 hours and note any points of leakage. Repair all leaks before terminating the tests on both tanks.

3. Fill out certification forms indicating tanks and ancillary piping are tight.

4. Drain water from the filled tank into the truck loading area. Note gauge readings on the tank gauge before filling and at the point that the loading area is completely filled. Record gallons. Pump the water from the truck loading area into the storm drain.

5. Drain water from the filled tank into the warehouse containment area. Note tank gauge readings before and at the point the containment area is completely filled. Record gallons. Pump the water from the containment area into the storm drain.

6. Repeat the above procedure for the return and fill containment area.

7. Fill out certification forms for all 3 areas.

8. Drain remaining water from the filled tank into the storm drain. Note: each tank tested will contain several hundred gallons of water in the bottom of the dish that cannot be pumped out through the discharge ports. To remove this residual water, remove one 4" plug at the bottom of the tank and siphon or pump the residual water from the bottom of the dish. After draining replace plug using approved thread sealer.

W. O. Heyn
2010 Imperial G.C. Boulevard
Naples, FL 33942
813-566-2326

TEST CERTIFICATION FORM

Date 6-6-92

Project SAFETY-KLEEN CORP

Location MEDLEY, FLORIDA

System TANK #1 WASTE MINERAL SPIRITS

Type of Test _____ (Hydrostatic)

_____ Air

_____ Other _____

Test Pressure ATMOSPHERIC

Duration of Test 5 HOURS

Test Witnessed By Jackie Pleau

Test Supervised By W.O. HEYN

RESULTS - TANK AND ANCILLARY EQUIPMENT TIGHT

By: W O Heyn

Title: PE FLORIDA CERT. 45516

Date: 6-6-92

W. O. Heyn
2010 Imperial G.C. Boulevard
Naples, FL 33942
813-566-2326

TEST CERTIFICATION FORM

Date 6-6-92

Project SAFETY-KLEEN CORP.

Location MEDLEY, FLORIDA

System TANK #3 WASTE ETHYLENE GLYCOL

Type of Test _____ (Hydrostatic)

_____ Air

_____ Other _____

Test Pressure ATMOSPHERIC

Duration of Test 5 HOURS

Test Witnessed By Jackie Jones

Test Supervised By W.O. HEYN

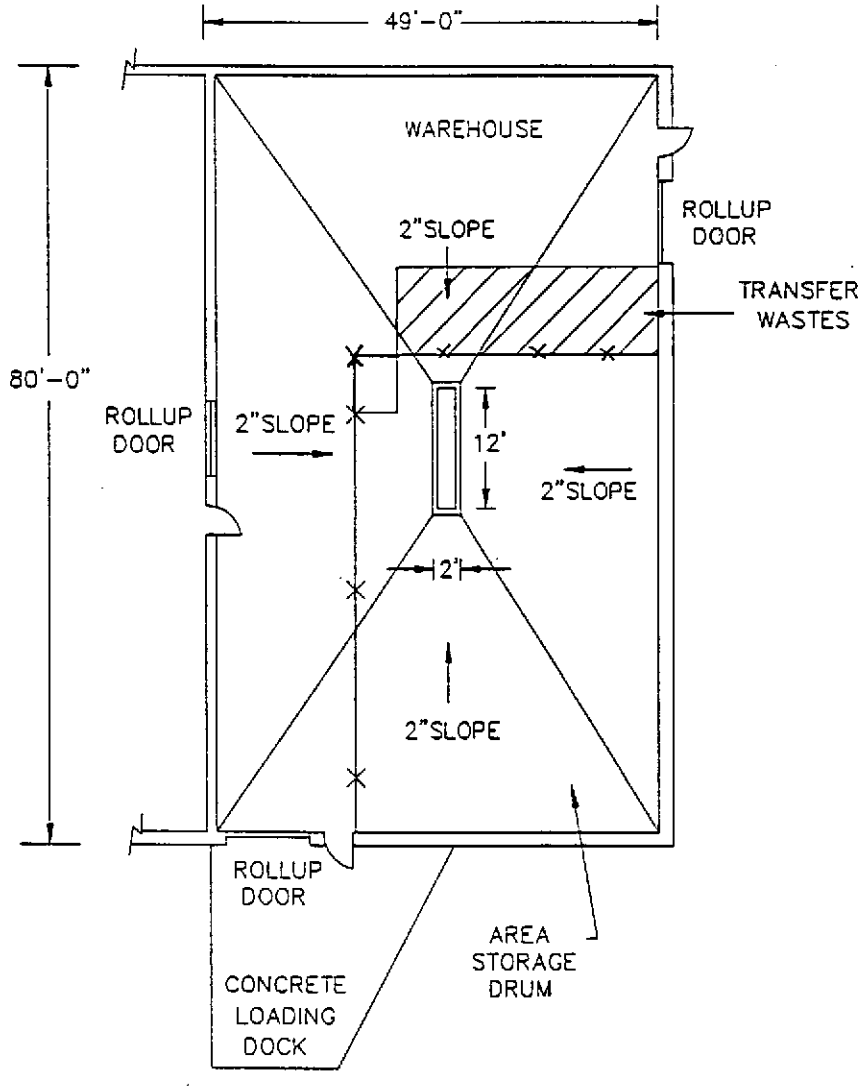
RESULTS - TANK AND ANCILLARY EQUIPMENT TIGHT

By: W.O. Heyn

Title: PE. FLORIDA CERT 45516

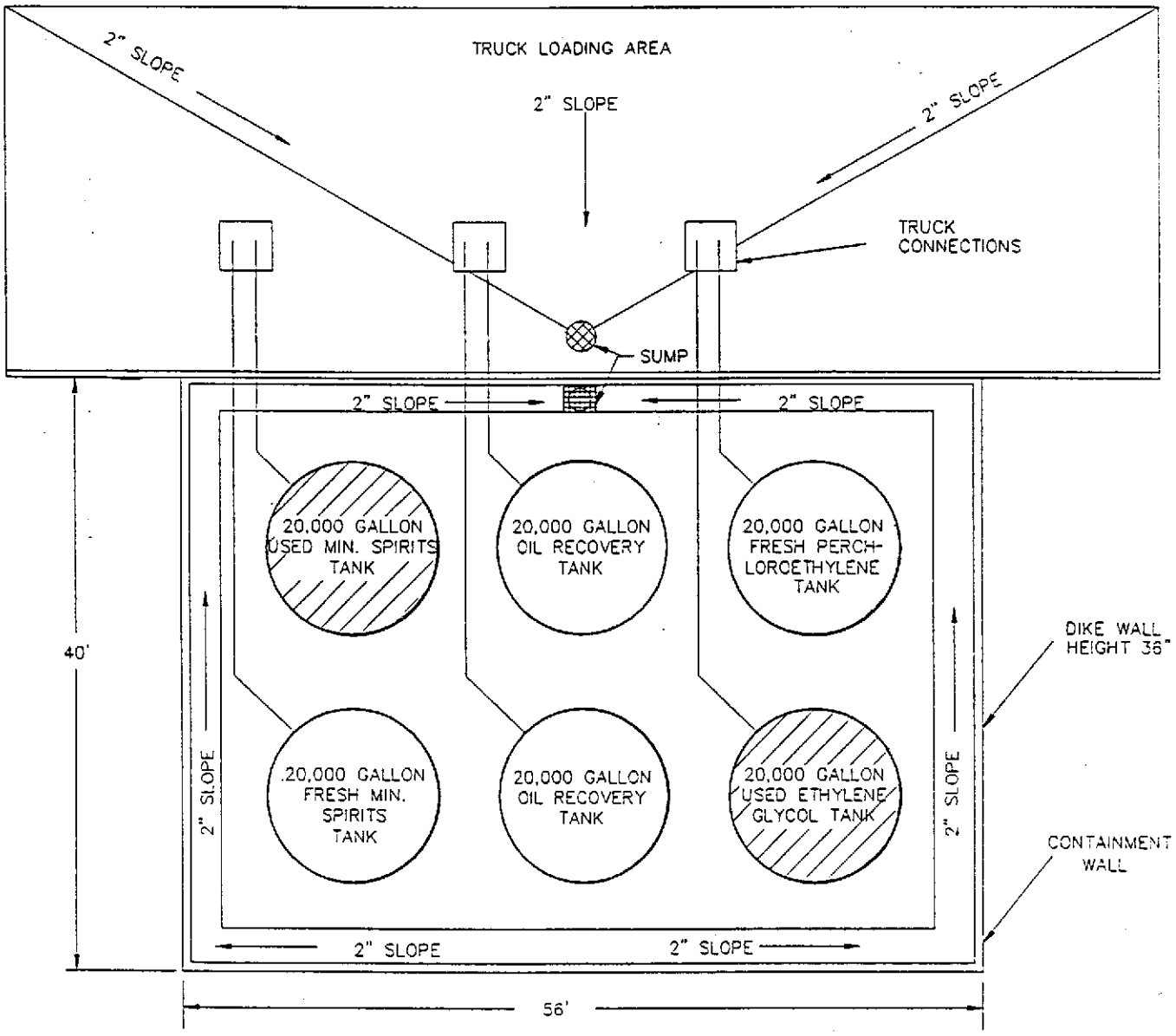
Date: 6-6-92

II.B.1-1
Container Storage Location
Safety-Kleen Corp. Facility
Medley, Florida



The ERM Group

Figure II.C.2-1
Tank Farm
Safety-Kleen Corp. Facility
Medley, Florida

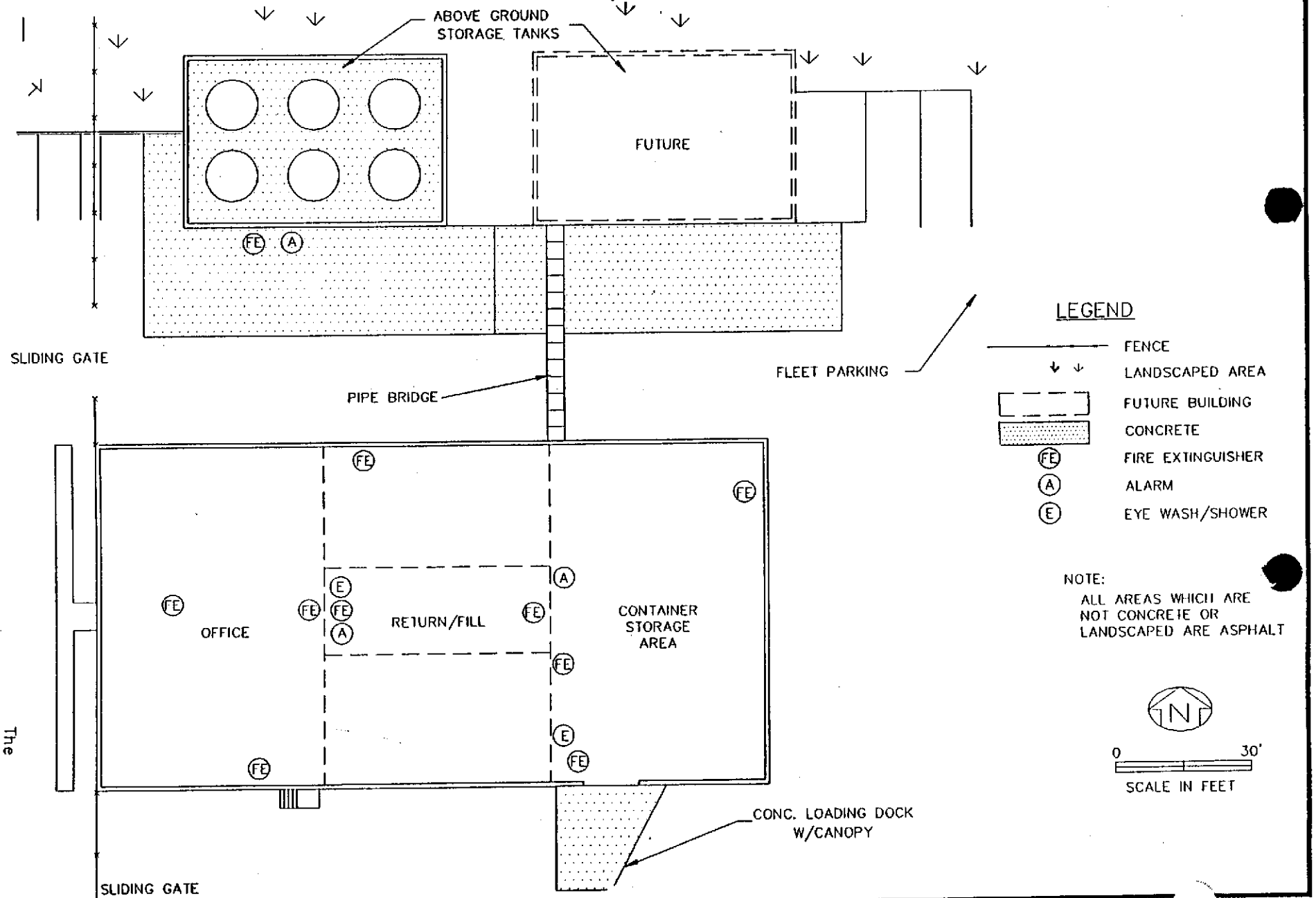


NOTE: ENTIRE AREA IS CONCRETE

The ERM Group

13112.22/311122LEE/061491

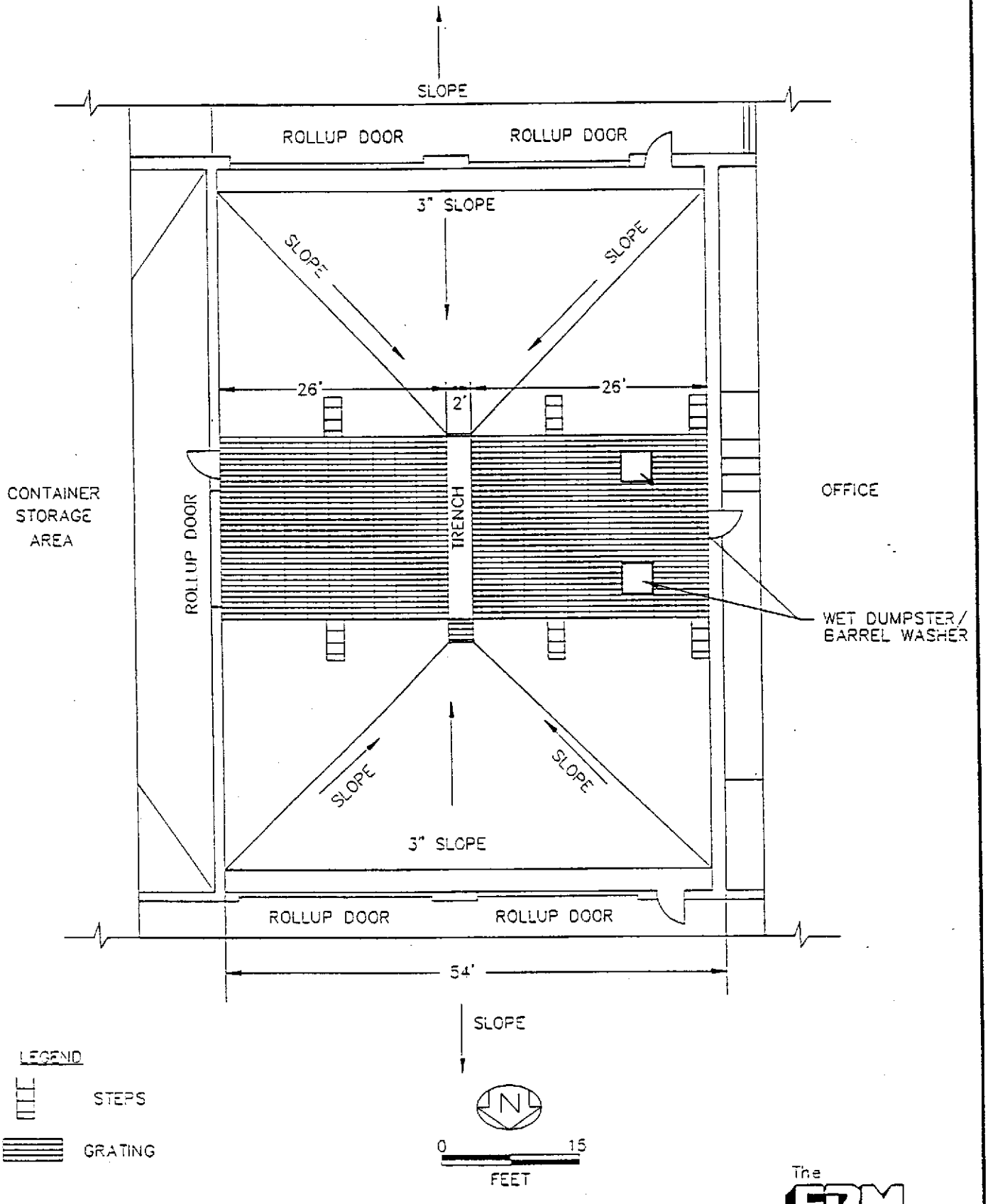
Figure II.A.4(b)-3
Location of Emergency Equipment
Safety-Kleen Corp. Facility
Sanford, Florida



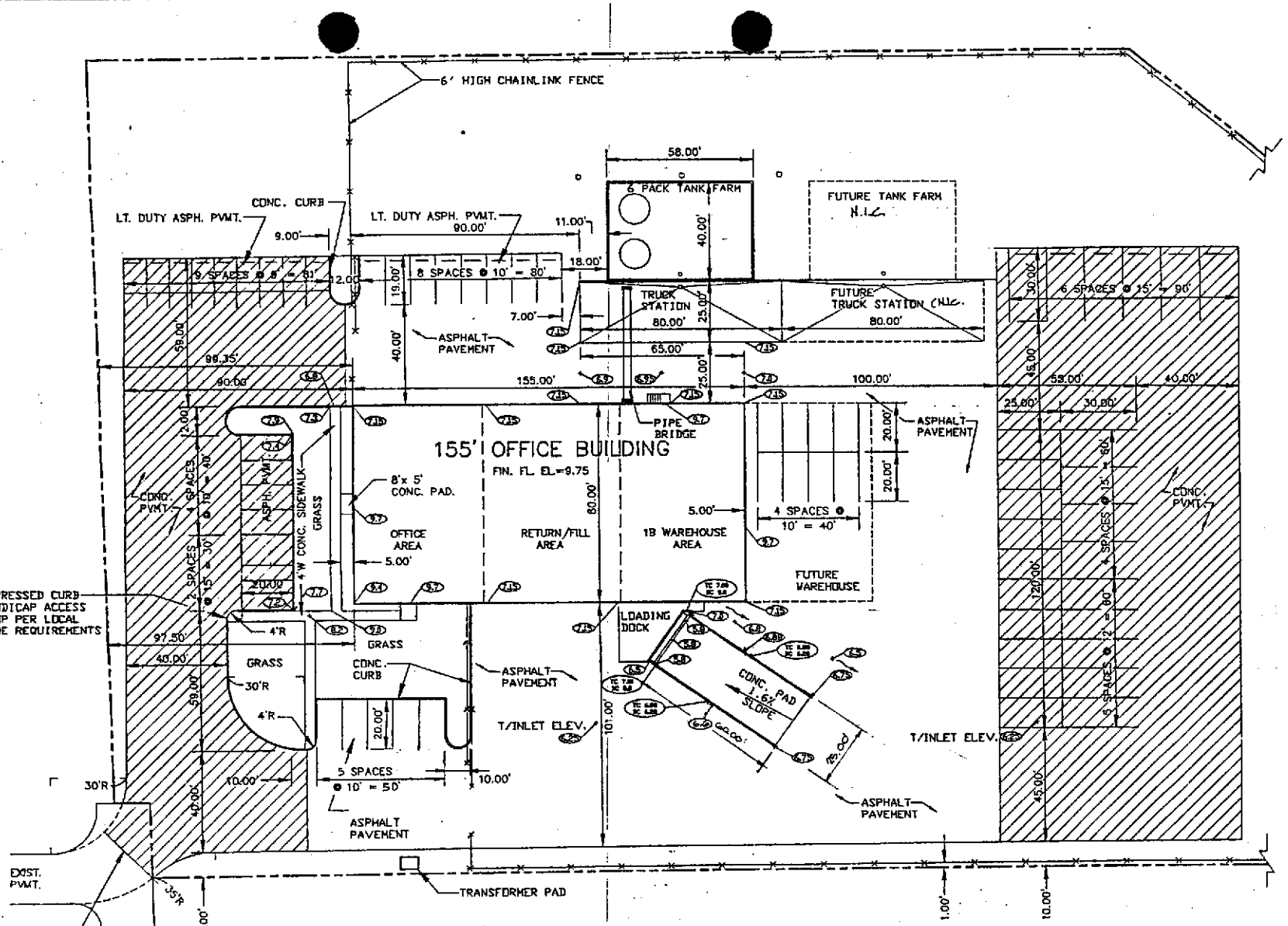
II.A.4(b)-11A

The ERM Group ®

Figure II. C.7-3
Return/Fill Shelter
Safety-Kleen Corp. Facility
Medley, Florida



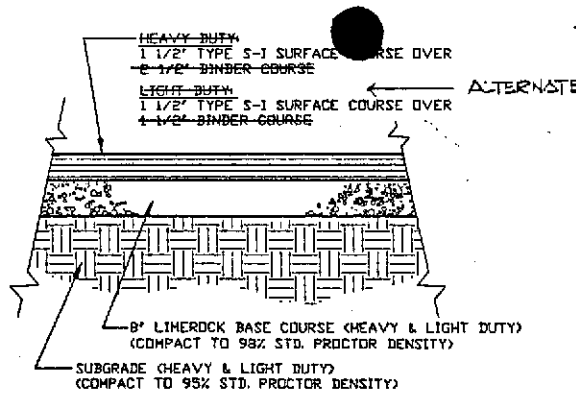
The ERM Group



SAWCUT & REMOVE EXISTING ASPHALT. CONSTRUCT CONCRETE APPROACH PER LOCAL CODE REQUIREMENTS. MATCH EXISTING STREET ELEVATION.

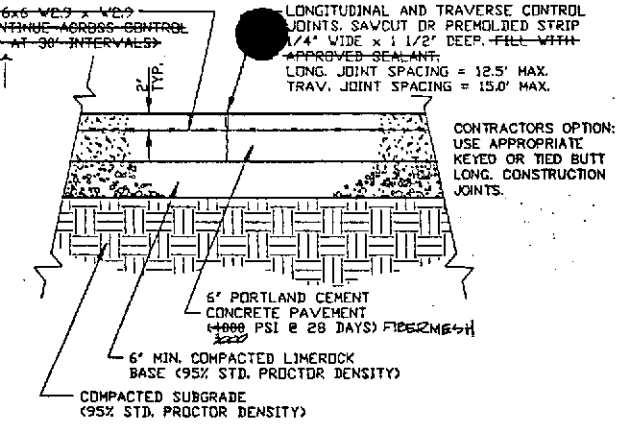
SITE PAVING PLAN

SCALE: 1" = 30'-0"



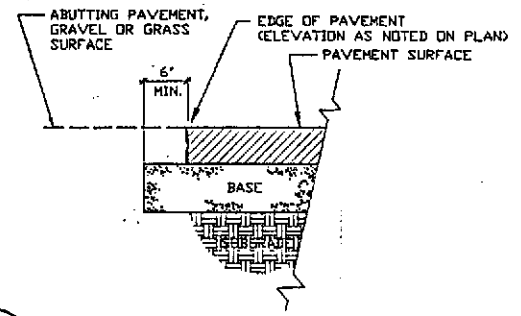
1 / 0020 ASPHALT PAVEMENT DETAIL

NO SCALE



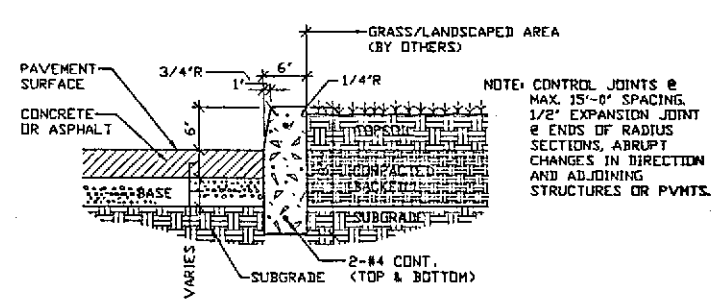
2 / 0020 CONCRETE PAVEMENT DETAIL

NO SCALE



3 / 0020 ASPHALT/CONCRETE EDGE DETAIL

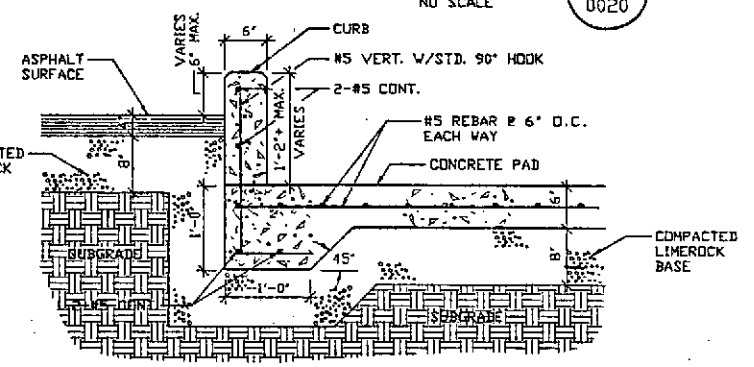
NO SCALE



NOTE: CONTROL JOINTS @ MAX. 15'-0" SPACING, 1/2" EXPANSION JOINT @ ENDS OF RADIUS SECTIONS, ABRUPT CHANGES IN DIRECTION AND ADJOINING STRUCTURES OR PVMTS.

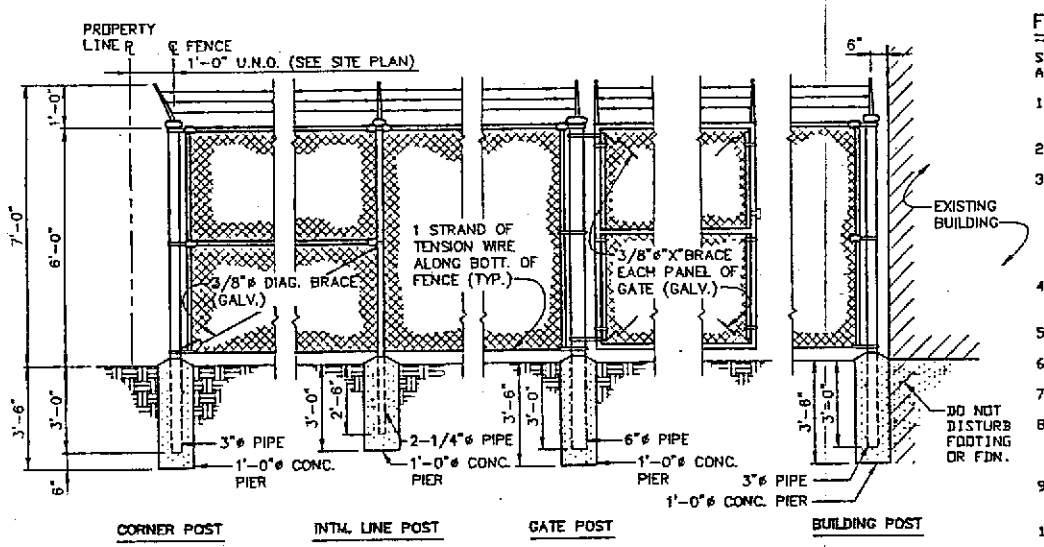
4 / 0020 CONCRETE BARRIER CURB DETAIL

NO SCALE



5 / 0020 CONCRETE PAD DETAIL (@ EXT. LOADING DOCK)

NO SCALE



8 / 0020 FENCE DETAILS

NO SCALE

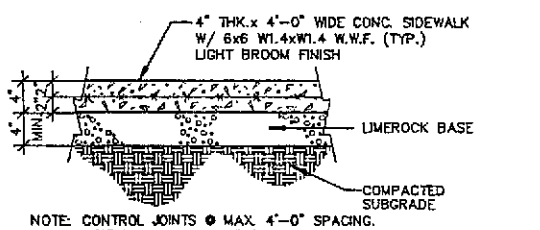
FENCING NOTES:

SPECIFICATIONS FOR SUPPORTING MEMBERS ARE AS FOLLOWS:

1. ALL MEMBERS SHALL BE FABRICATED FROM HOT DIPPED GALV. SCH. 40 PIPE, NEW MATERIAL ONLY.
2. POST SPACING SHALL NOT EXCEED 10'-0" O.C.
3. MEMBERS SHALL BE SIZED AS FOLLOWS:

CORNER POSTS	3"ø O.D.
INTM. POSTS	2 1/4"ø O.D.
GATE POSTS	6"ø O.D.
BUILDING POSTS	3"ø O.D.
TOP RAIL	1 5/8"ø O.D.
GATE FRAMES	2 1/4"ø O.D.

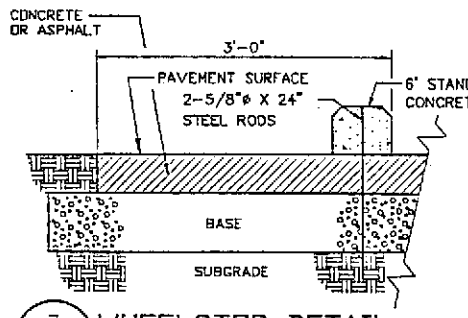
4. WOVEN WIRE FABRIC SHALL BE 9 GA. STEEL 2" MESH AND HOT DIPPED GALV. AFTER WEAVING.
5. BARBED WIRE SHALL BE 9 GA. 3-STRAND GALV. STEEL.
6. TENSION WIRE SHALL BE 7 GA. GALV. STEEL.
7. CONCRETE SHALL BE 3000 PSI AND CURED 5 DAYS BEFORE FENCING IS ERECTED.
8. INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES AND THE STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS.
9. GATES SHALL BE LOCKED BY CHAIN AND LOCK PROVIDE 5/16" HARDENED STEEL CHAIN. LOCK BY S-K.
10. SEE SITE PLAN BY E.R. BROWNELL & ASSOCIATES, INC. FOR LOCATION OF FENCING.



NOTE: CONTROL JOINTS @ MAX. 4'-0" SPACING. 1/2" EXPANSION JOINT FILLER MATERIAL @ ADJOINING CONCRETE STRUCTURES OR PAVEMENTS.

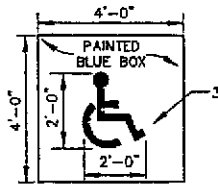
6 / 0020 CONCRETE SIDEWALK DETAIL

NO SCALE



7 / 0020 WHEELSTOP DETAIL

NO SCALE



NOTE: LOCAL REQUIREMENTS FOR HANDICAPPED SIGN SHALL GOVERN.

9 / 0020 HANDICAPPED PARKING SIGN DETAIL

NO SCALE

NO.	DESCRIPTION	BY	CHK	APPR	DATE
1	ADD 1 PKG SPACE, MOVE SIDEWALK TO OFFICE AREA.	GS			4/9/92

REVISIONS

GENERAL NOTES

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN CORPORATION. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.

1. REFER TO SITE DRAWINGS BY E.R. BROWNELL AND ASSOCIATES, INC. FOR ADDITIONAL INFORMATION.
2. REFER TO SOILS REPORT BY SCHWEBKE-SHISKIN AND ASSOCIATES, INC. DATED 9/10/91 FOR RECOMMENDATIONS AND SPECIFICATIONS REGARDING LIMEROCK BASE AND ASPHALTIC CONCRETE PAVEMENT.
3. ALL ASPHALT AND CONCRETE PAVEMENT WORK SHALL BE IN CONFORMANCE WITH FLORIDA D.O.T. AND DADE CO. PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
4. PROVIDE PRECAST CONCRETE WHEEL STOPS, 3500 PSI CONCRETE STRENGTH, FULLY REINFORCED, AS MANUFACTURED BY SAF-T-PARK COMPANY, COMPLETE WITH ANCHOR PINS, AS INDICATED ON THE DRAWINGS.
5. ALL FINISHED GRADE ELEVATIONS AT THE BUILDING AND SURROUNDING PAVEMENTS NOTED ON THIS DRAWING SHALL SUPERCEDE ELEVATIONS SHOWN ON THE PAVING AND DRAINAGE PLAN BY E.R. BROWNELL AND ASSOCIATES, INC.

QUESTEC CONSULTING ENGINEERS
4812 Sortone Circle • Columbia • MD 65205 • (314) 875-0960

C-1

TITLE

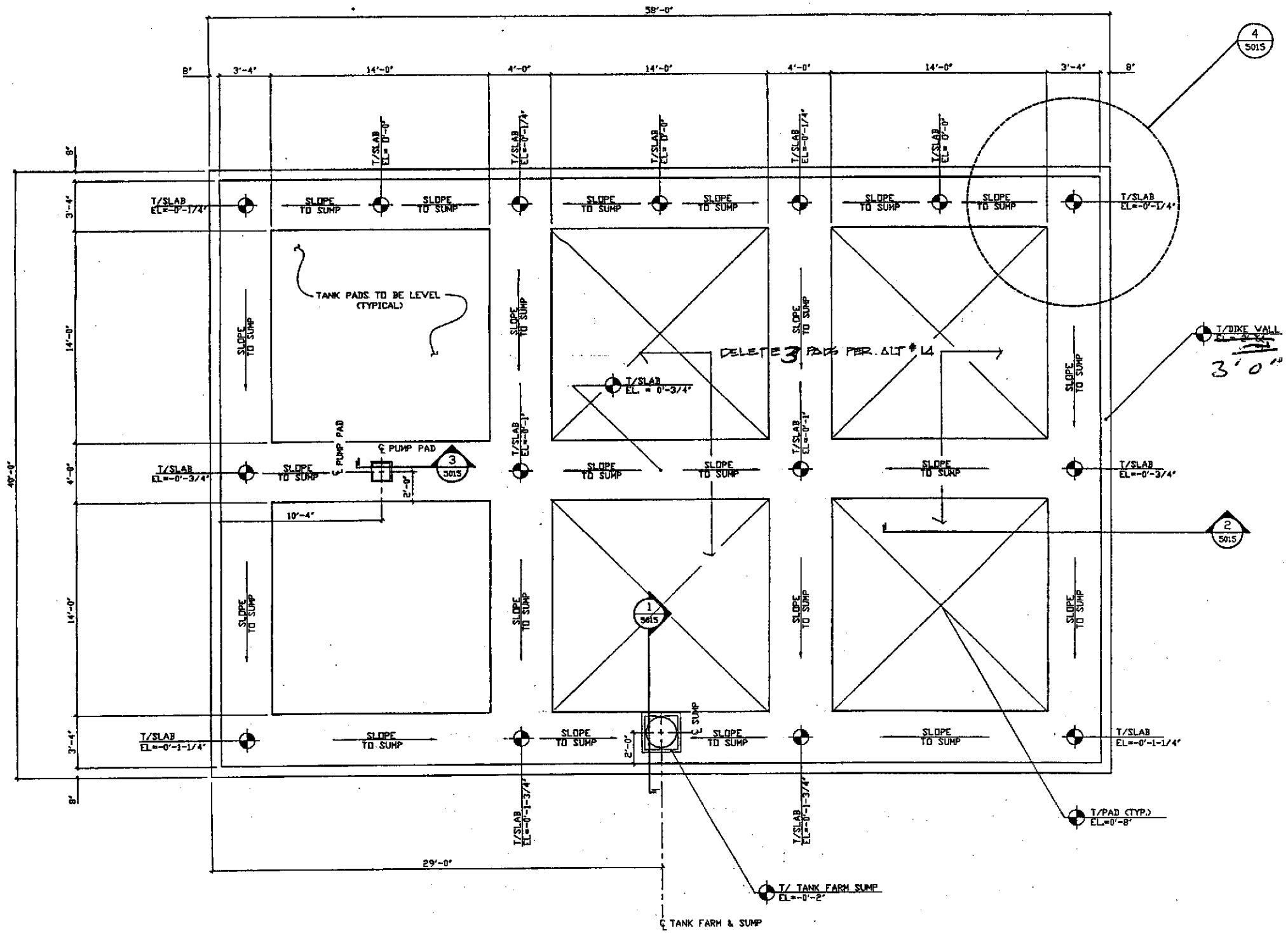
SITE PAVING PLAN AND DETAILS

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708-697-8460

SCALE	BY	CHKD	P.E. APPR	OP. APPR	DATE
AS SHOWN	QuesTec				9-27-91

SERVICE CENTER LOCATION	SC-DWG-REV NO.	SHEET NO.
MEDLEY, FL	316301-0020-00	2a

10-18-91 3:30pm 0020-0.DWG

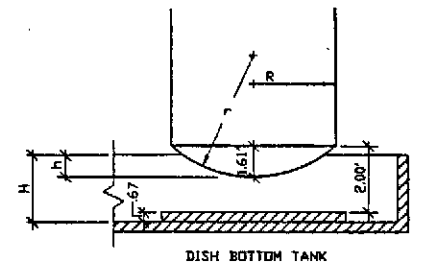


NORTH

TANK FARM PLAN

SCALE: 1/4" = 1'-0"

CONTAINMENT CALCULATIONS



DISH BOTTOM TANK

TANK FARM (20,000 GAL DISH BOTTOM VERTICAL STORAGE TANK) -

NOTE: SUMP AND SLOPED CONCRETE SLAB CONTAINMENT NEGLIGIBLE

FORMULAS USED:

[(1/3)(PI)(h²)(3r-h)](7.48 GAL/CF)(# OF UNITS) = TANK DISPLACEMENT VOLUME (GAL)
(L)(W)(H)7.48 GAL/CF)(# OF UNITS) = OTHER DISPLACEMENT VOLUMES (GAL)
(L)(W)(H)(7.48 GAL/CF) = DIKE CONTAINMENT VOLUME (GAL)

R (TANK RADIUS) = 6.00 FT
L (DIKE LENGTH) = 56.67 FT
W (DIKE WIDTH) = 38.67 FT
H (DIKE HEIGHT) = 2.75 FT
r (DISH RADIUS) = 12.00 FT
h (DISH HEIGHT) = 1.69 FT
PI = 3.141

DIKE CONTAINMENT VOLUME:
(56.67)(38.67)(2.75)(7.48 GAL/CF) = 45,078 GAL (+)

VOLUME OF LARGEST TANK WITHIN DIKED AREA: = 20,000 GAL (-)

TANK PAD DISPLACEMENT VOLUME:
(14.00²)(0.67)(7.48 GAL/CF)(6 PADS) = 5,894 GAL (-)

TANK DISPLACEMENT VOLUME:
[(1/3)(PI)(1.69²)((3)(12.00)-1.69)](7.48 GAL/CF)(5 TANKS) = 3,838 GAL (-)

LOCAL RAINFALL ALLOWANCE:
25 YEAR FREQUENCY/24 HOUR DURATION
RAINFALL = 11 INCHES
(56.67)(38.67)(11/12)(7.48 GAL/CF) = 15,026 GAL (-)

TOTAL DISPLACEMENT VOLUME:
(20,000 + 5,894 + 3,838 + 15,026) = 44,758 GAL (-)

NET CONTAINMENT (EXCESS CAPACITY):
(45,078 - 44,758) = 320 GAL

GENERAL NOTES

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN CORPORATION. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.

1. REFER TO APPLICABLE GENERAL NOTES ON DRAWING S011.
2. CONTRACTOR SHALL INSTALL OWNER FURNISHED S.S. FRAME AND LINER DESIGNATED FOR THE SUMP.
3. SLOPE CONCRETE SLAB TO SUMP AS SHOWN ON PLAN. TANK PADS MUST BE PERFECTLY LEVEL.
4. ALL REBAR SHALL BE GRADE 60 BILLET STEEL CONFORMING TO ASTM A-615. ALL REBAR SHALL BE EPOXY COATED.
5. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3" FOR CONCRETE CAST AGAINST SOIL AND 2" FOR CONCRETE EXPOSED TO WEATHER.
6. TOP OF ALL EXPOSED CONCRETE WALLS SHALL BE SCREEDED AND FINISHED PERFECTLY LEVEL FOR PROPER ARCHITECTURAL APPEARANCE.
7. TANK FARM ELEVATIONS ARE RELATIVE. FINAL NGVD ELEVATIONS TO BE COORDINATED WITH SITE DRAWINGS BY E.R. BROWNELL AND ASSOCIATES, INC.

QUESTEC CONSULTING ENGINEERS
6812 Santana Circle • Columbia • MO 65203 • (314) 875-0200

MP-1

NO.	DESCRIPTION	BY	CHK	APPR	DATE

REVISIONS

TITLE

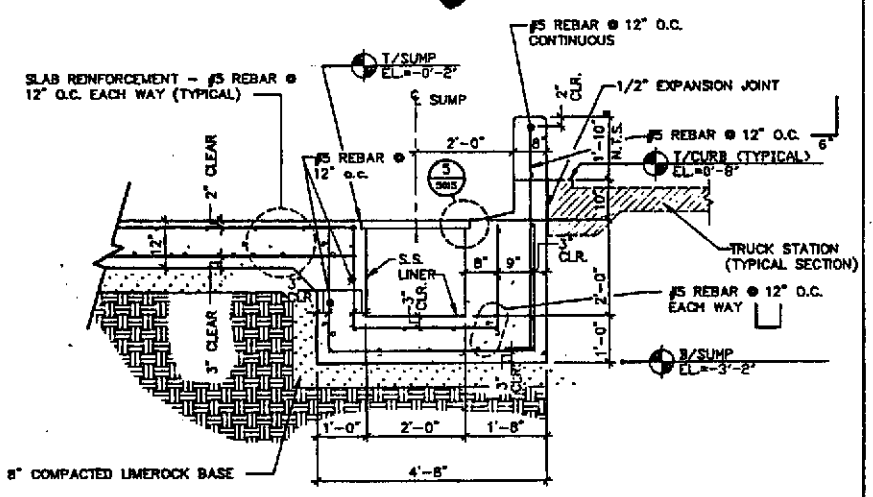
TANK FARM FOUNDATION PLAN

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708-697-8460

SCALE	BY	CHKD	P.E. APPR	OP. APPR	DATE
1/4" = 1'-0"	QuesTec				9-27-91

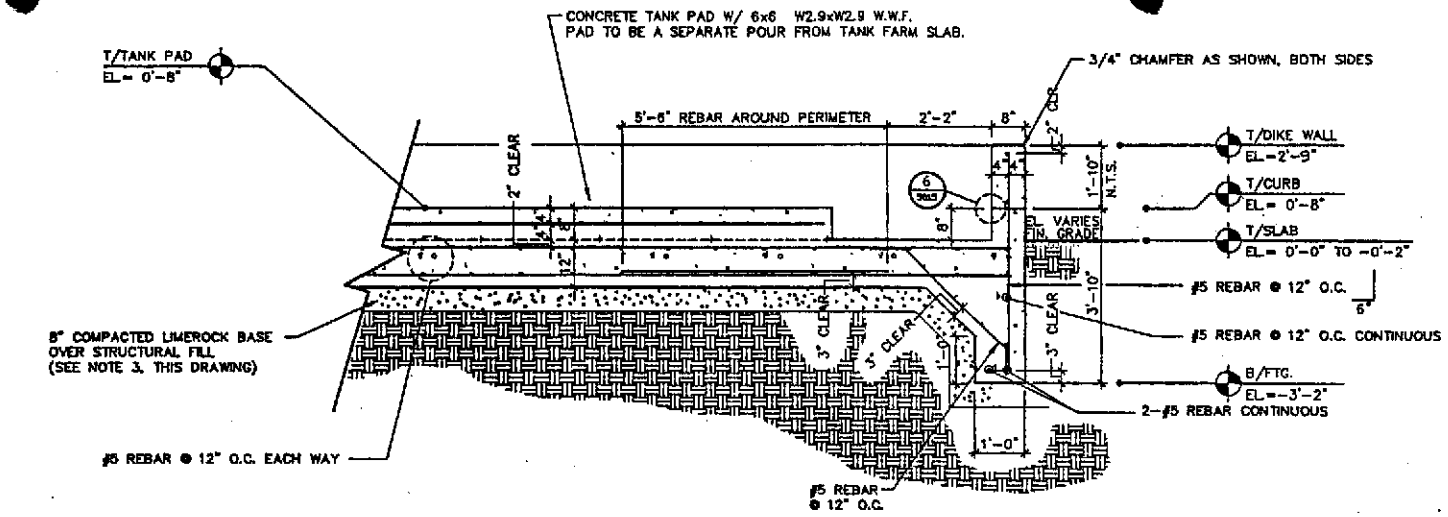
SERVICE CENTER LOCATION	SC-DWG-REV NO.	SHEET NO.
MEDLEY, FL	316301-5002-00	8

10-9-91 11:00am 5002-0.DWG



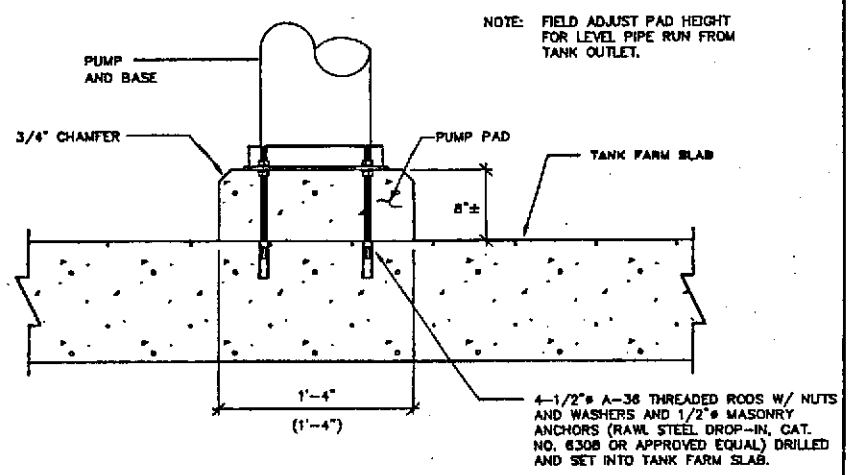
1/5015 TANK FARM SUMP SECTION

SCALE: 1/2" = 1'-0"



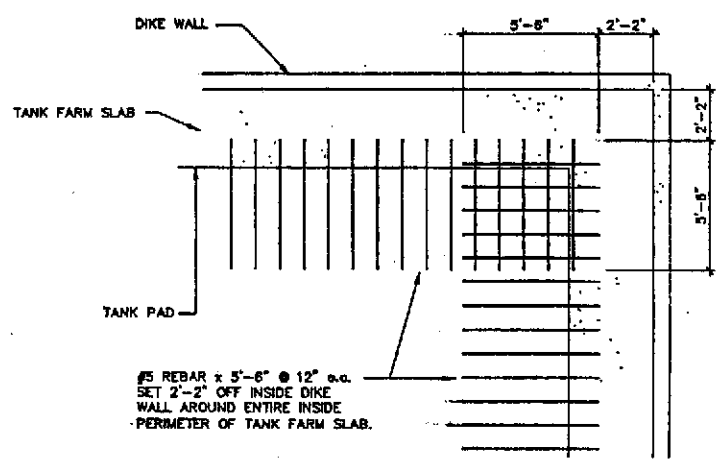
2/5015 TYPICAL TANK FARM SLAB SECTION

SCALE: 1/2" = 1'-0"



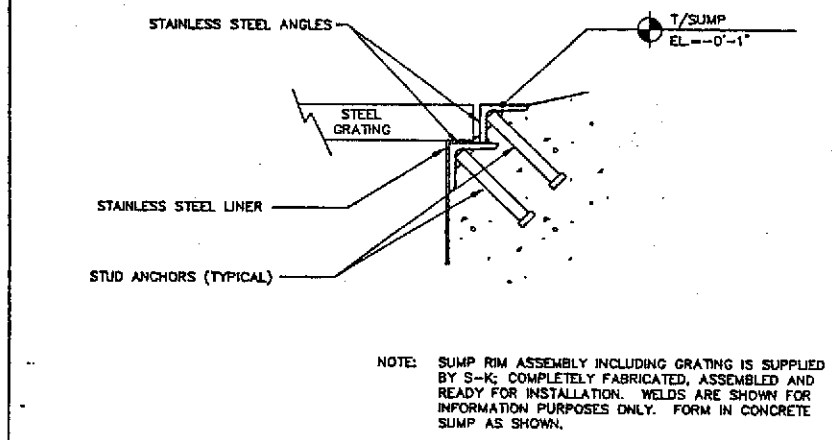
3/5015 TANK FARM PUMP PAD DETAIL

SCALE: NONE



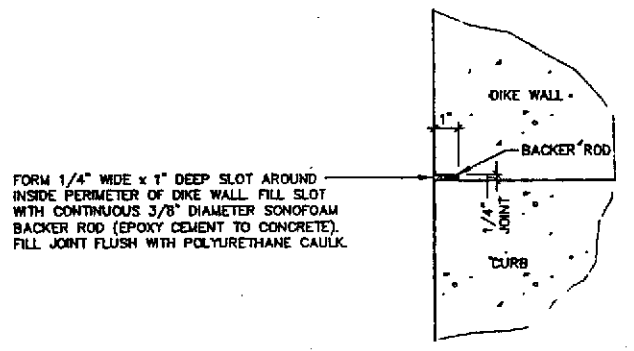
4/5015 TANK FARM REINFORCEMENT DETAIL

SCALE: 1/4" = 1'-0"



5/5015 TANK FARM SUMP RIM DETAIL

SCALE: 3" = 1'-0"



6/5015 DIKE WALL HORIZONTAL JOINT DETAIL

SCALE: 3" = 1'-0"

GENERAL NOTES

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1. REFER TO APPLICABLE GENERAL NOTES ON DRAWINGS 5011 AND 5002.
2. TANK FARM ELEVATIONS ARE RELATIVE. FINAL NGVD ELEVATIONS TO BE COORDINATED WITH SITE DRAWINGS BY E.R. BROWNELL AND ASSOCIATES, INC.
3. REFER TO SOILS REPORT BY SCHWEBIKE-SHISKIN AND ASSOCIATES, INC. DATED 9/10/91 FOR RECOMMENDATIONS AND SPECIFICATIONS REGARDING STRUCTURAL FILL AND LIMEROCK BASE.

QUESTEC CONSULTING ENGINEERS
4812 Sartone Circle • Columbia • MD 21043 • (314) 875-0280

MP-2

NO.	DESCRIPTION	BY	CHK	APPR	DATE
	REVISIONS				

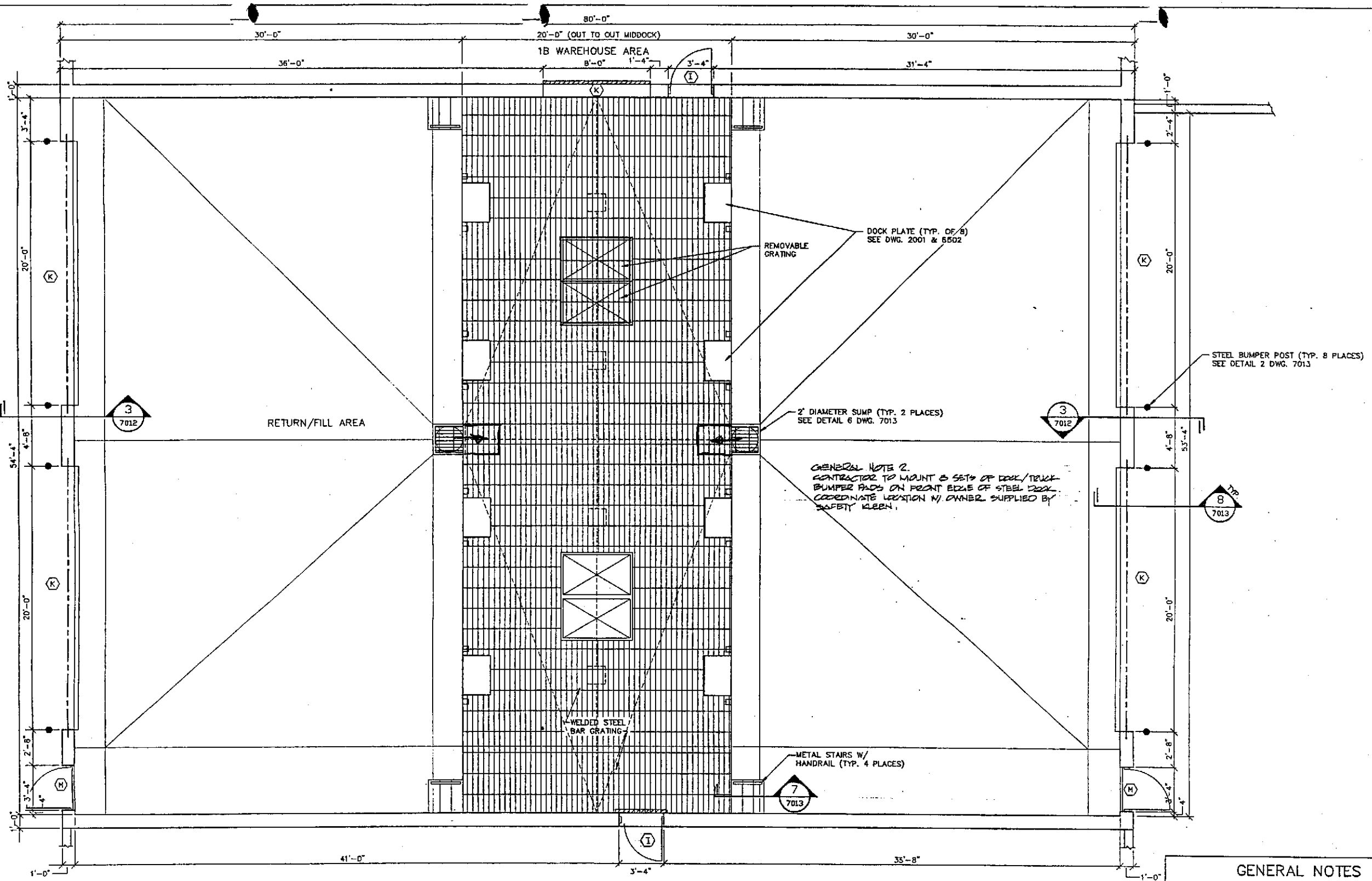
TITLE

TANK FARM FOUNDATION SECTIONS & DETAILS

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708-697-8460

SCALE	BY	CHKD	P.E. APPR	OP. APPR	DATE
AS SHOWN	QuesTec				9-27-91
SERVICE CENTER LOCATION			SC-DWG-REV NO.		SHEET NO.
MEDLEY, FL			316301-5015-00		9

10-8-91 11:45am 5015-Q.DWG



RETURN/FILL AREA/FLOOR PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN CORPORATION. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.

1. DIMENSIONING ON ALL PLANS IS TO FACE OF STUD, ACTUAL WIDTH, FACE OF MASONRY, NOMINAL WIDTH, OR FACE OF ROUGH OPENING.

QUESTEC
CONSULTING ENGINEERS
4812 Santana Circle • Columbia • MO 65203 • (314) 875-0260

A-7

NO.	DESCRIPTION	BY	CHK	APPR	DATE
	REVISIONS				

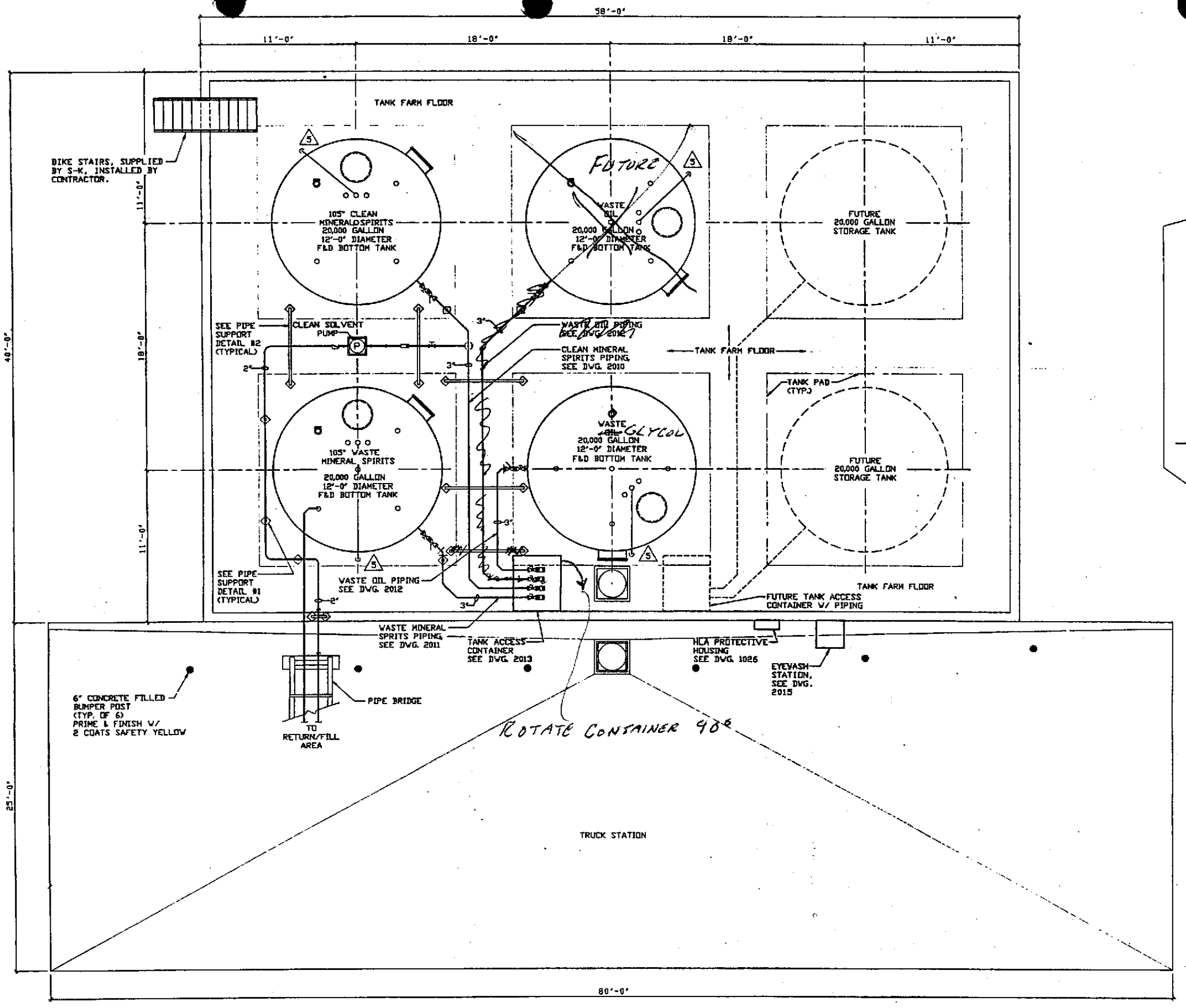
TITLE
RETURN/FILL AREA
FLOOR PLAN

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708-697-0460

SCALE	BY	CHKD	P.E. APPR	OP. APPR	DATE
1/4" = 1'-0"	Questec				9-27-91

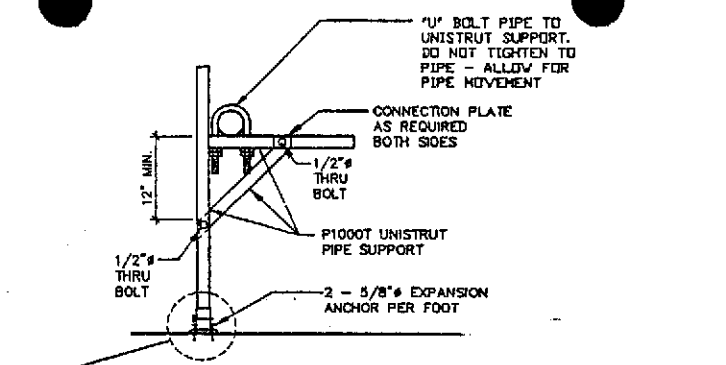
SERVICE CENTER LOCATION	SC-DWG-REV NO.	SHEET NO.
MEDLEY, FL	316301-7004-00	24

10-7-91 8:00pm 7004-0.DWG



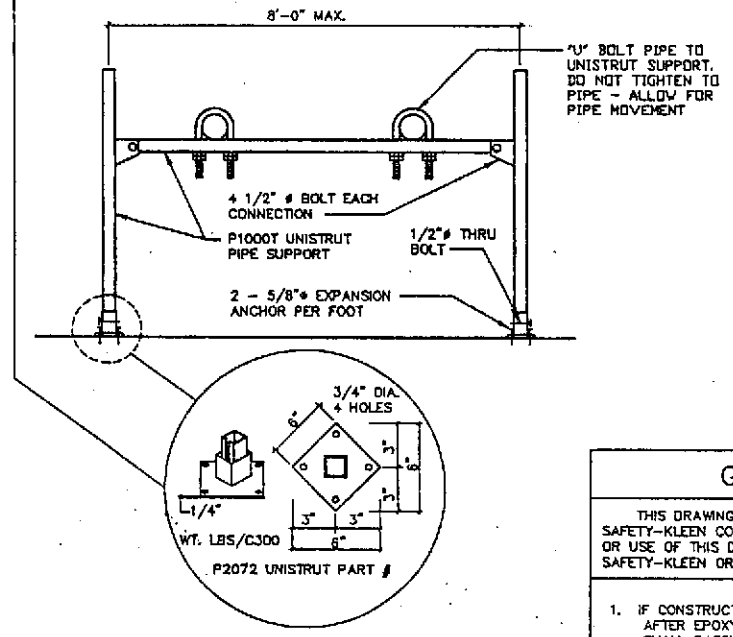
TANK FARM PIPING PLAN

SCALE: 1/4" = 1'-0"



PIPE SUPPORT DETAIL #1

SCALE: 3/4" = 1'-0"



PIPE SUPPORT DETAIL #2

SCALE: 3/4" = 1'-0"

GENERAL NOTES

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN CORPORATION. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.

1. IF CONSTRUCTION REQUIRES CONC. PENETRATIONS AFTER EPOXY COATING IS APPLIED — CONTRACTOR SHALL PATCH & REPAIR EPOXY COATING AS PER MANUFACTURERS RECOMMENDATIONS & REQUIREMENTS.
2. SHIM ACCESS CONTAINER & EYEWASH STAND AS REQUIRED, WITH STEEL OR LEAD PLATES, TO LEVEL.
3. CONC. PENETRATIONS WILL NOT BE ALLOWED ON TANKFARM FLOOR.
4. ALL CHANGES IN DIRECTION OF WASTE PIPING SHALL BE MADE USING 2-45° ELBOWS OR LONG RADIUS 90'S.
5. "VERIC" TANK GAUGE, SEE DRAWING 2025.
6. RUN PROCESS PIPE LEVEL FROM TANK. CHANGE ELEVATION, ONLY AS REQUIRED, FOR ENTRANCE INTO TANK ACCESS CONTAINER.
7. WELD PIPE SUPPORT TO TOP OF TANK. FIELD FABRICATE PIPE SADDLE AS REQUIRED.
8. SUPPORT PIPE APPROXIMATELY AS SHOWN, BUT NOT MORE THAN 8'-0" O.C. UNLESS OTHERVISE NOTED.
9. ALL PROCESS PIPE FITTINGS TO BE WELDED.

QUESTEC CONSULTANTS CORPORATION
CONSULTING ENGINEERS
4811 Sortana Circle • Columbia • MO 65203 • (314) 875-0300

MP5

NO.	DESCRIPTION	BY	CHK	APPR	DATE
	REVISIONS				

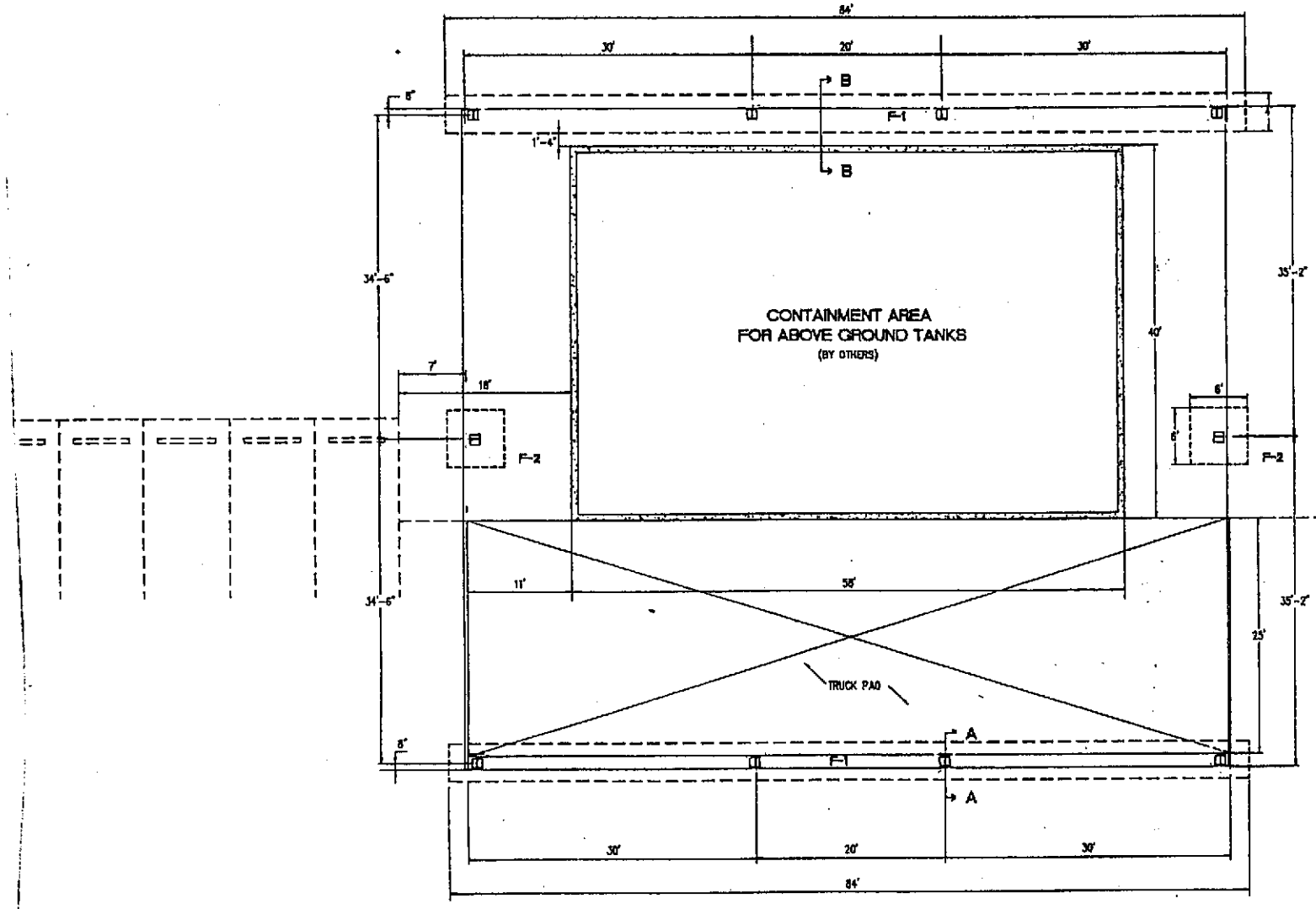
TITLE

TANK FARM PIPING PLAN

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708-697-8460

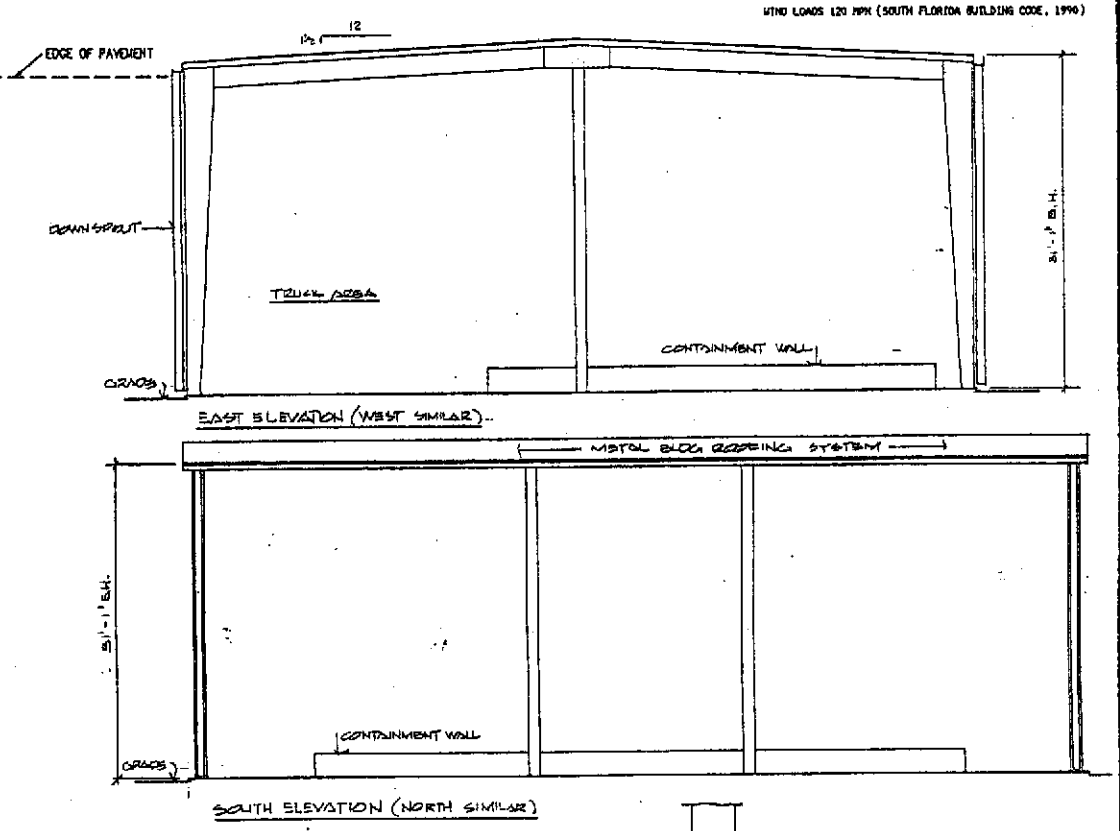
SCALE	BY	CHKD	P.E. APPR	OP. APPR	DATE
1/4" = 1'-0"	QuesTec				8-27-91
SERVICE CENTER LOCATION			SC-DWG-REV NO.		SHEET NO.
MEDLEY, FL			316301-2000-00		45

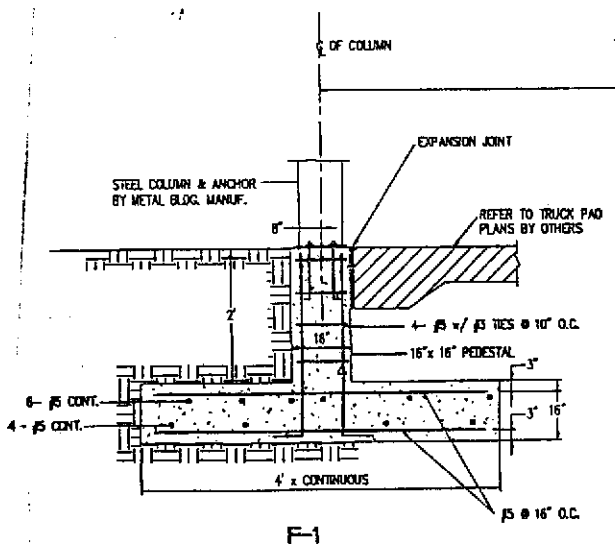
10-5-91 8:15pm 2000-0.DWG



FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

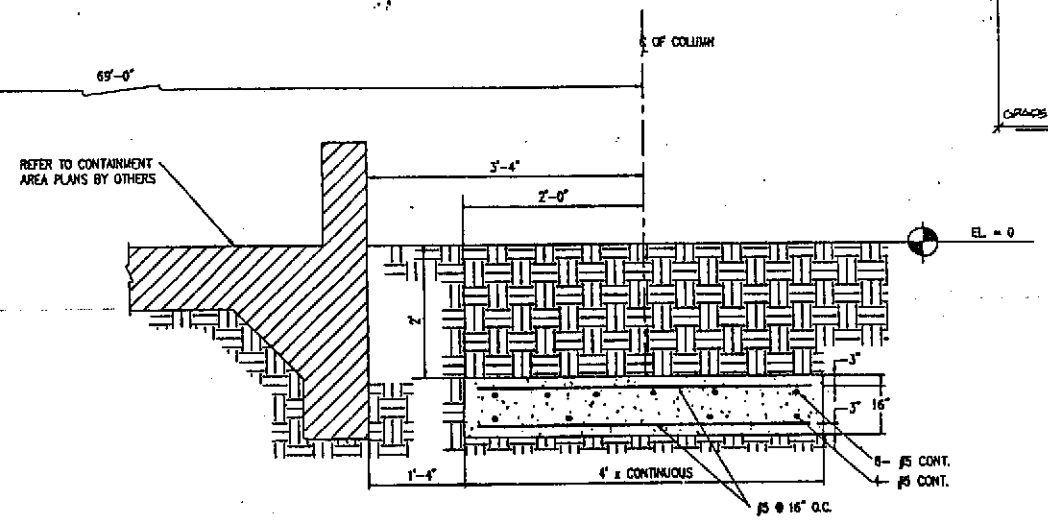




F-1

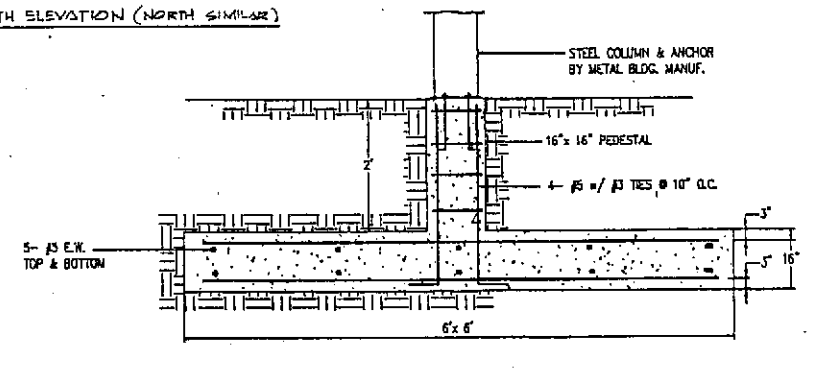
SECTION "A-A"

N.T.S.



SECTION "B-B"

N.T.S.



F-2

N.T.S.

FOUNDATIONS

1. THE SUBSURFACE INFORMATION AND FOUNDATION DESIGN ARE BASED ON A REPORT PREPARED BY SCHREIBER - SMISKIN & ASSOCIATES REPORT NUMBER 6961. SOIL TO HAVE A 3,000 PSF BEARING CAPACITY. THE CONTRACTOR SHALL PERFORM EXCAVATIONS, FOOTING CONSTRUCTION, AND PREPARATION OF THE SUBGRADE IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT.
2. FOUNDATION CONDITIONS NOTED DURING CONSTRUCTION, WHICH DIFFER FROM THOSE DESCRIBED IN THE GEOTECHNICAL REPORT, SHALL BE REPORTED TO THE STRUCTURAL ENGINEER AND THE GEOTECHNICAL ENGINEER BEFORE PROCEEDING.

GENERAL

1. PRE-ENGINEERED METAL BUILDING COMPONENTS SHALL BE DESIGNED FOR ALL LOADS PRESCRIBED BY THE SOUTH FLORIDA BUILDING CODE, LATEST EFFECTIVE EDITION. SHOP DRAWINGS SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER SHALL BE SUBMITTED TO ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION OR ERECTION.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL ANCHOR BOLT AND FOOTING LOCATIONS WITH METAL BUILDING MANUFACTURER'S SHOP DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
3. DESIGN LOADS:

   ROOF LIVE LOAD = 20 PSF

   ROOF DEAD LOAD = STEEL LOAD + 3 PSF ADDITIONAL

   WIND LOADS 120 MPH (SOUTH FLORIDA BUILDING CODE, 1994)

Revisions	Date	By
Issue		

Developers Choice, Inc.
Commercial • Industrial • Architecture • Civil Engineering • Land Planning • Design Feasibility

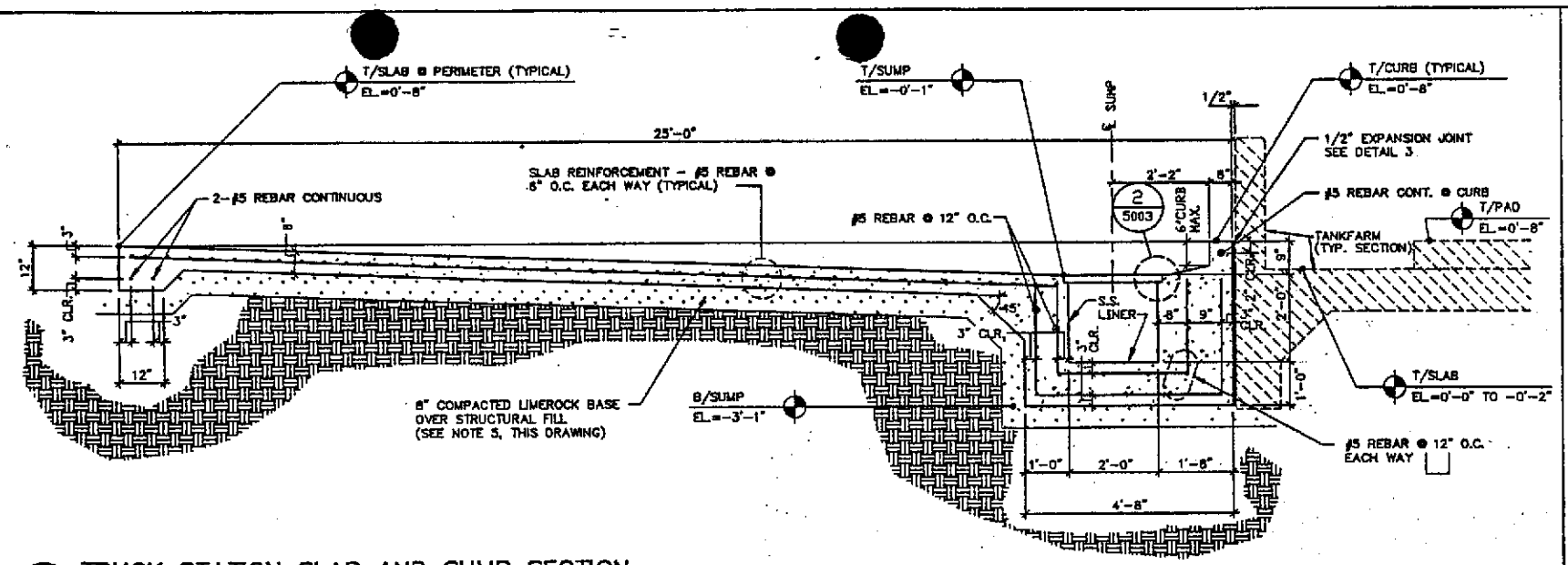
SAFETY KLEEN
MEDLEY FLORIDA.

TANK FARM CANOPY

Drawn	GS
Check	
Date	6.18.96
Scale	AS NOTED
Job No.	8291

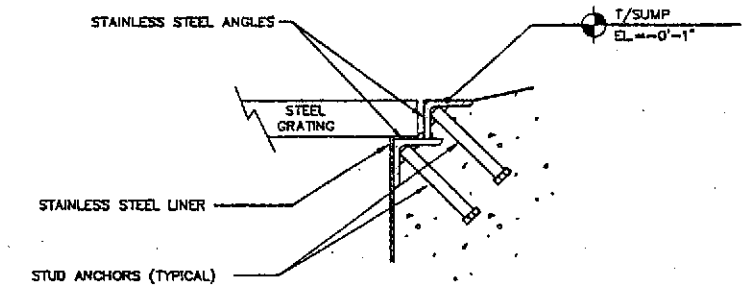
Sheet:
ST- 1

© DEVELOPERS CHOICE, INC. 1996



1/5003 TRUCK STATION SLAB AND SUMP SECTION

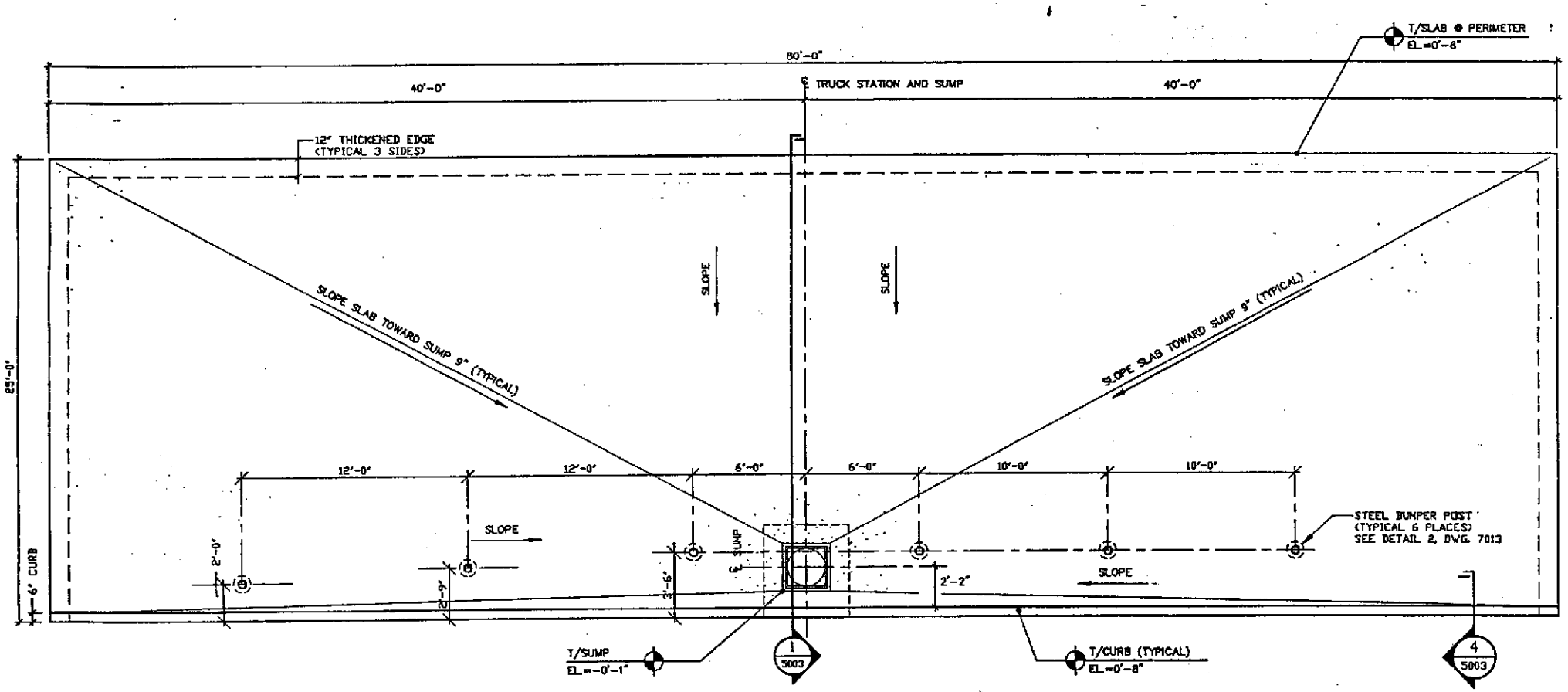
SCALE: 1/2" = 1'-0"



NOTE: SUMP RIM ASSEMBLY INCLUDING GRATING IS SUPPLIED BY S-K; COMPLETELY FABRICATED, ASSEMBLED AND READY FOR INSTALLATION. WELDS ARE SHOWN FOR INFORMATION PURPOSES ONLY. FORM IN CONCRETE SUMP AS SHOWN.

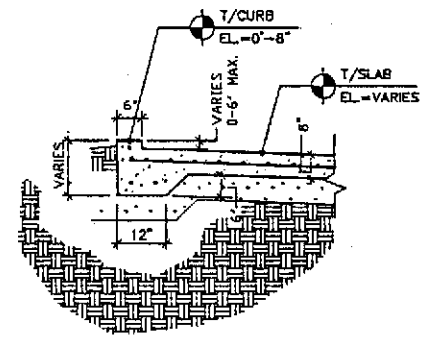
2/5003 TRUCK STATION SUMP RIM DETAIL

SCALE: 3" = 1'-0"



TRUCK STATION PLAN

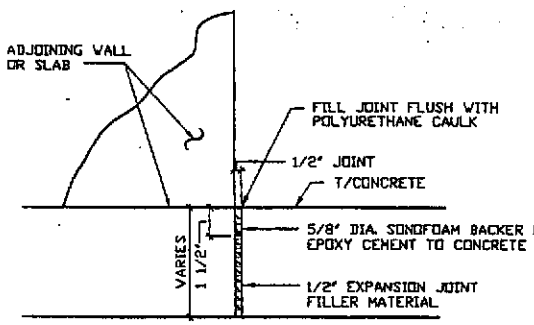
SCALE: 1/4" = 1'-0"



NOTE: FOR STEEL REINFORCEMENT SEE SECTION 1, THIS DWG.

4/5003 TRUCK STATION CURB DETAIL

1/2" = 1'-0"



3/5003 EXPANSION JOINT DETAIL

NO SCALE

GENERAL NOTES

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN CORPORATION. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.

1. REFER TO APPLICABLE GENERAL NOTES ON DRAWINGS 5011 AND 5002.
2. CONTRACTOR SHALL INSTALL OWNER FURNISHED S.S. FRAME AND LINER DESIGNATED FOR THE SUMP.
3. SLOPE CONCRETE SLAB TO SUMP AS SHOWN ON PLAN.
4. TRUCK STATION ELEVATIONS ARE RELATIVE. FINAL MSVD ELEVATIONS TO BE COORDINATED WITH SITE DRAWINGS BY E.R. BROWNELL AND ASSOCIATES, INC.
5. REFER TO SOILS REPORT BY SCHWEBKE-SHISKIN AND ASSOCIATES, INC. DATED 9/10/91 FOR RECOMMENDATIONS AND SPECIFICATIONS REGARDING STRUCTURAL FILL AND LIMEROCK BASE.

CONTAINMENT CALCULATIONS

TRUCK STATION (SLOPED CONCRETE SLAB)-

NOTE: SUMP CONTAINMENT NEGLIGIBLE . . .

FORMULA USED:
(1/3)(L)(W)(H)(7.48 GALLONS/CUBIC FOOT)

L = 80'-0"
W = 19'-6"
H = 0'-9"

TOTAL CONTAINMENT:
(1/3)(80.0)(19.5)(.75)(7.48 GAL/CF) = 2917 GAL

QUESTEC CONSULTING ENGINEERS
6812 Santana Circle • Colorado • (719) 675-0280

MP-3

NO.	DESCRIPTION	BY	CHK	APPR	DATE

REVISIONS

TITLE
TRUCK STATION / FOUNDATION PLAN, SECTIONS AND DETAILS

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708-697-8460

SCALE	BY	CHKD	P.E. APPR	OP. APPR	DATE
AS SHOWN	QuesTec				9-27-91

SERVICE CENTER LOCATION	SC-DWG-REV NO.	SHEET NO.
MEDLEY, FL	316301-5003-00	10

10-8-91 11:30am 5003-0.DWG

GENERAL NOTES

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN CORPORATION. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.

1. DIMENSIONING ON ALL PLANS IS TO FACE OF STUD, ACTUAL WIDTH, FACE OF MASONRY, NOMINAL WIDTH, OR FACE OF ROUGH OPENING.

QUESTEC — CONSULTING ENGINEERS — 4811 Sunbow Circle • Columbia • MO 65203 • (314) 875-0380

A-8

TITLE

1B WAREHOUSE AREA FLOOR PLAN

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708-697-8460

SCALE	BY	CHKD	P.E. APPR	DP. APPR	DATE
1/4" = 1'-0"	QuesTec				8-30-91

SC-DWG-REV NO. | SERVICE CENTER LOCATION | SHEET NO.
316301-7005-00 | MEDLEY, FL | 26

NO.	DESCRIPTION	BY	CHK	APPR	DATE
1	ADDED STOOP & REVISED STAIRS	CF	SD		10/2/91

REVISIONS

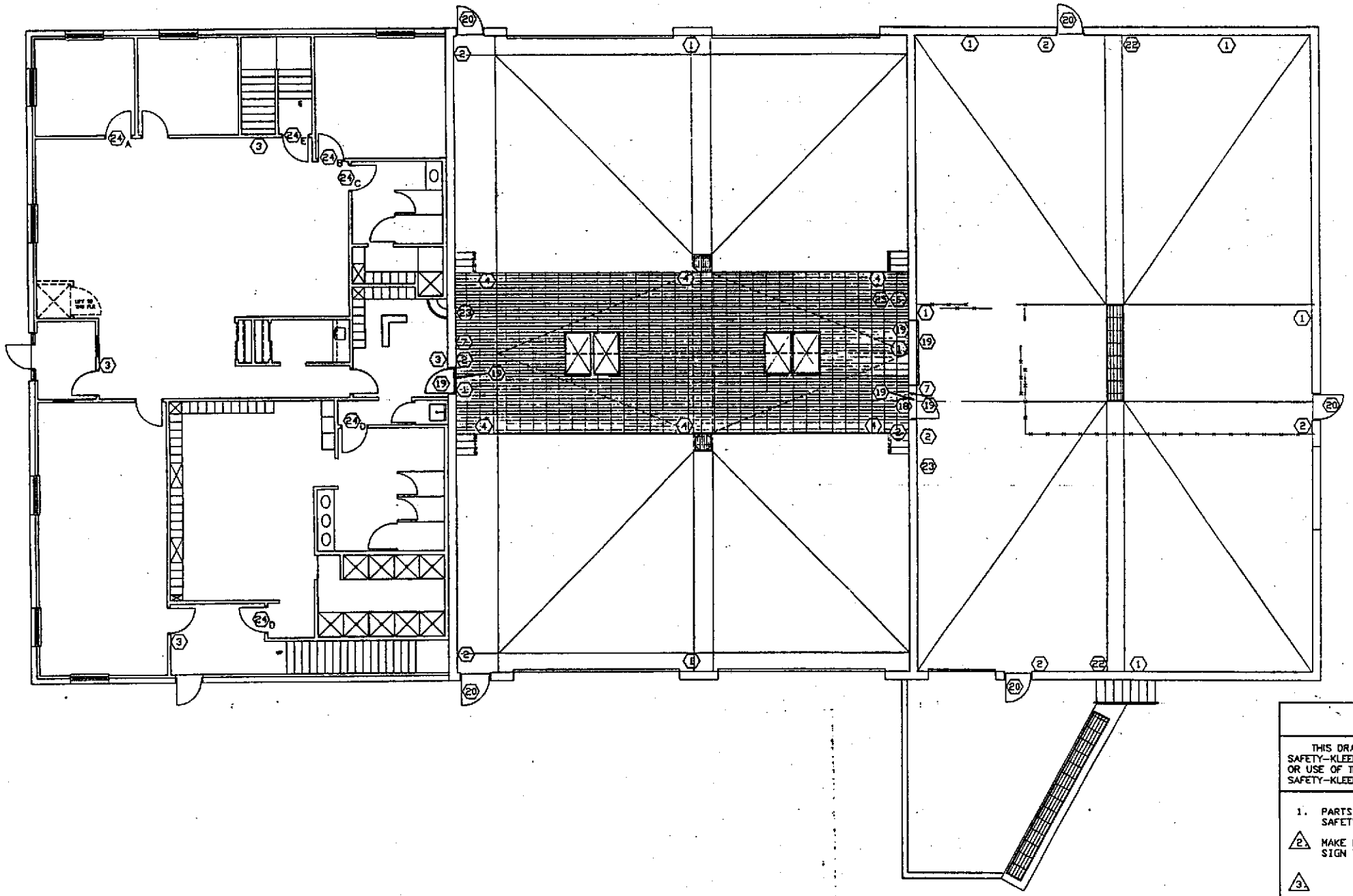
1B WAREHOUSE AREA

RETURN/FILL AREA

SCALE: 1/4" = 1'-0"

1B WAREHOUSE AREA FLOOR PLAN

10-21-91 8:00am 7005-0.DWG



155' BUILDING SIGN LOCATION PLAN

SCALE: 1/8" = 1'-0"

SIGN SCHEDULE

MARK NO.	DESCRIPTION	DETAIL	NUMBER REQUIRED (4)	LOCATION	REMARKS
(1)	NO SMOKING	A	8	10' A.F.F.	* DENOTES 10' ABOVE T/DOCK
(2)	"FIRE EXTINGUISHER"	B	7	6' ABOVE EXTINGUISHER	COORDINATE LOCATIONS W/ FIRE PROTECTION CONTR.
(3)	"FIRE EXTINGUISHER"	C	2	6' ABOVE EXTINGUISHER	COORDINATE LOCATIONS W/ FIRE PROTECTION CONTR.
(4)	"105° SOLVENT"	D	3		MOUNT TO SOLVENT TREE ANGLE UPRIGHT (2)
(6)	"USED SOLVENT PUMP JOG SWITCH	D	1	3' ABOVE JOG SWITCH	
(7)	"LIGHT & VENTILATION FAN"	D	4	3' ABOVE SWITCH	
(9)	NPFA DESCRIPTION		2/ TANK	11' A.F.F.	S.K.# 2452 (3)
(10)	"VASTE OIL"	U	2/ VASTE OIL TANK	13' A.F.F.	
(12)	"105 SOLVENT"	V	2/ 105° SOLVENT TANK	13' A.F.F.	
(13)	"VASTE SOLVENT"	X	2/ VASTE SOLVENT TANK	13' A.F.F.	
(14)	"COMBUSTIBLE LIQUID"	Y	2/ TANK	15' A.F.F.	
(15)	"HAZARDOUS VASTE"	Z	2/ VASTE SOLVENT TANK	13' A.F.F.	S.K.# 1257
(16)	TANK CAPACITY	K	1/ TANK	17' A.F.F.	
(17)	PIPELINE IDENTIFICATION	L	VARIES SEE DWG. 9005	6' ABOVE CONTAINER PENETRATION	SEE TANK ACCESS CONTAINER
(18)	OPEN DOOR SLOWLY	M	2	5 1/2' A.F.F.	
(19)	FIRE DOOR	N	4	6 1/2' A.F.F.	
(20)	NO ADMITTANCE	P	6	5 1/2' A.F.F.	
(22)	FLAMMABLE	R	2	6' A.F.F.	
(23)	EYE WASH	S		6' A.F.F.	
(24)	DOOR	T	SEE DWG. 9002	5 1/2' A.F.F.	A - BRANCH MANAGER B - CONFERENCE C - WOMEN D - MEN E - STAIRWAY
(25)	EMERGENCY SHUT-OFF WASTE SOLVENT	D	1	3' ABOVE DISCONNECT	
(26)	EMERGENCY SHUT-OFF 105° SOLVENT PUMP	D	1	3' ABOVE DISCONNECT	LOCATED AT TANKFARM

GENERAL NOTES

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN CORPORATION. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.

1. PARTS W/ S-K PART #'S ARE SUPPLIED BY SAFETY KLEEN AND INSTALLED BY CONTRACTOR.
2. MAKE MOUNTING BRACKET AS REQUIRED. MOUNT SIGN TO BE VISABLE FROM DOCK.
3. - WASTE SOLVENT
   - WASTE OIL
   - 105° SOLVENT
   - WASTE ETHYLENE GLYCOL
4. CONTRACTOR TO VERIFY ALL QUANTITIES REQUIRED.

QUESTEC CONSULTING ENGINEERS
4913 Suntone Circle • Columbia • MO 65203 • (314) 875-0288

A-11

TITLE
155' BUILDING
SIGN LOCATION PLAN

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708-697-8460

NO.	DESCRIPTION	BY	CHK	APPR	DATE
	REVISIONS				

SCALE	BY	CHKD	P.E. APPR	OP. APPR	DATE
1/8" = 1'-0"	QuesTec				9-27-91

SERVICE CENTER LOCATION	SC-DWG-REV NO.	SHEET NO.
MEDLEY, FL	316301-9000-00	28

10-7-91 12:00pm 9000-0.DWG

DESCRIPTION OF WASTE FLOW

The waste solvent enters the hazardous waste storage tank system through the dumpster (Exhibit III-2). The waste solvent is then pumped (Exhibit III-3) into the waste solvent tank (Exhibit I.E. 3-9). The drawings describing the high level alarm system transmitter to tank installation details can be found on Exhibit I.E. 3-8. Further information regarding tank arrangement within the tankfarm and Fabrication Details of the Tank can be found on Exhibits I.E. 3-6 and I.E. 3-7 respectively.

c. Spills Inside Buildings - In the event of a spill indoors, the doors and windows should be opened to improve the ventilation in the area. Then, following the instructions on the Material Safety Data Sheet (Exhibits I.E.2-4 through I.E.2-7), the worker will enter the area wearing rubber gloves, boots, and/or respirator, collect the liquid and return it to storage. The cleanup is completed only when the workers have cleaned themselves and the emergency equipment with soap and water.

d. Spills on Concrete Pads - Concrete pads in loading and unloading areas are equipped with secondary containment. Under most spill conditions, the spill can be totally contained on the concrete surface and in the containment system. Upon containment, arrangements must immediately be undertaken to recover the material. Any soil that may be involved must be removed and treated as a hazardous waste.

e. Tank Spills or Leakage - Aboveground tanks are underlain by a concrete slab and surrounded by a 30" high concrete dike to contain any spilled or leaked solvent. The containment system has been sized in accordance with the regulations, and under most spill conditions, the solvent will be totally contained. Should a spill occur, arrangements must

spirits are only transferred, via the wet dumpster, into one designated 20,000-gallon aboveground storage tank. The other eleven tanks are used to store mineral spirits product, non-hazardous waste oil and perchloroethylene product.

The tanks are designed and constructed to be compatible with the materials stored in them. Typical construction and installation standards for the aboveground tanks are shown in Exhibits I.E.3-6 and

I.E.3-10. All tanks are vented in accordance with N.F.P.A. Standards and the tanks are equipped with high level alarms. The design and installation of the tank alarm system are shown in Exhibit I.E.3-8.

The aboveground tanks are protected by a 2'6" high concrete retaining dike. Therefore, no run-on or runoff will occur and no runoff collection management system is deemed necessary. Equipment used in the operation of the aboveground tanks for used mineral spirits will be liquid level gauges and automatic high level alarms. A suction pump on the tanker truck is used to withdraw the content from the tank. No other equipment or standby equipment are used in the operation of the aboveground tanks.

3. Aboveground Tank and Associated Piping

a. OUTLINE - To safely clean and decommission aboveground storage tank:

(1) Expose doorways or cut openings to provide access to each tank.

(2) Remove remaining material from tanks and ship the materials to a reclaimer.

(3) Rinse, scrape and squeegee tank interiors.

(4) Disconnect and cap all appurtenant piping.

(5) Disconnect and cap all appurtenant pumping equipment.

(6) Remove tanks and appurtenant equipment for final disposition.

(7) Transport and dispose of all other waste material, including rinsate from the tank interior generated during the project.

b. PHASE I - OPEN THE TANK

(1) Access to aboveground tanks is obtained by opening manways.

(2) Prior to opening the tanks the personnel should have full face respiratory protection and protective clothing. Once the tanks have been opened they will be provided with positive ventilation. The tanks will then be inspected to determine the approximate quantity and physical conditions of the remaining material.

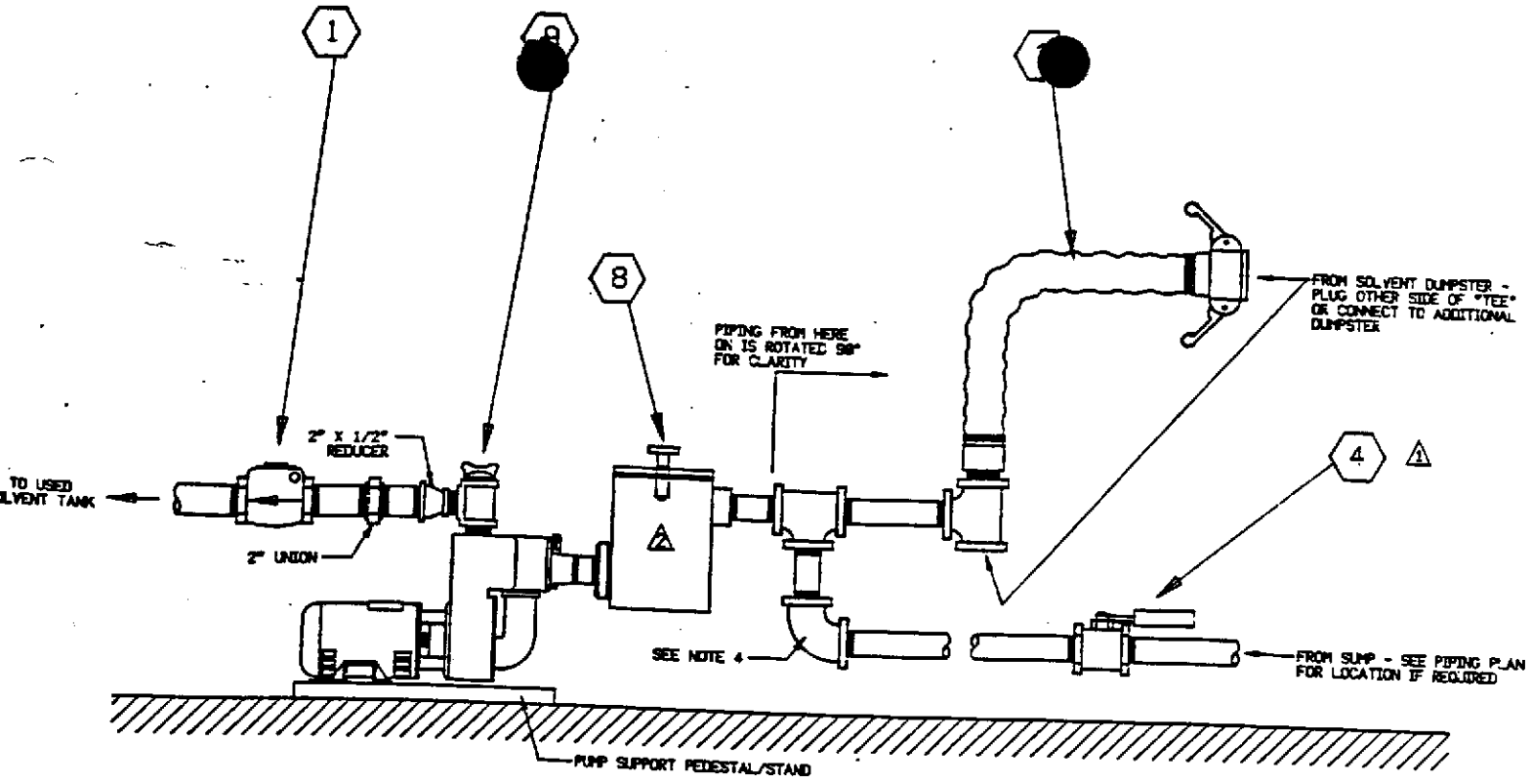
III.A.2 **TREATMENT PROCESSES**

There are no treatment processes at this facility.

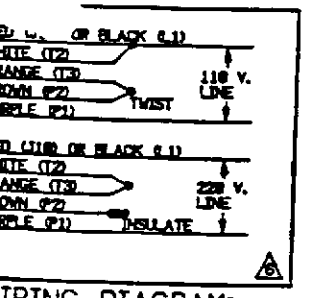
III.B.1 **TANK DESIGN AND OPERATION PROCEDURES**

The tanks are designed and constructed to be compatible with the materials stored in them. Typical construction and installation standards for the aboveground tank systems are shown in Exhibits I.E.3-6 through I.E.3-10. All tanks are vented in accordance with N.F.P.A. Standards, and the tanks are equipped with high level alarms. "No Smoking" signs are posted on the entrances to the tank farm and return and fill station. The design and installation of the tank alarm system are shown in Exhibit I.E.3-8.

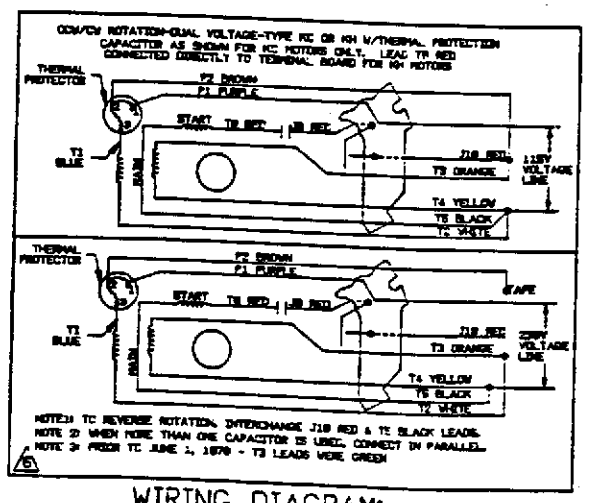
All tanks are aboveground and are underlain by a 54'-8" x 38'-8" x 6" concrete slab, surrounded by a 30" concrete dike. Secondary containment calculations are on Exhibit I.E.3-6. The dike has been sealed with a chemical resistant coating. Therefore, no surface runon or precipitation would be in contact with the wastes stored at the site and no runoff collection and management system is deemed necessary. The maximum capacity of the tank is 20,000 U.S. gallons. The high level alarm wil be activated when the tank is 95% full (19,000 U.S. gallons). Gauges are used to measure liquid levels in tanks and a float switch-activated automatic high level alarm (which consist of a stobe light and siren) will signal the tank's being 95% full. This alarm allows an operator more than two minutes to stop operations and avoid overfilling the tank. A



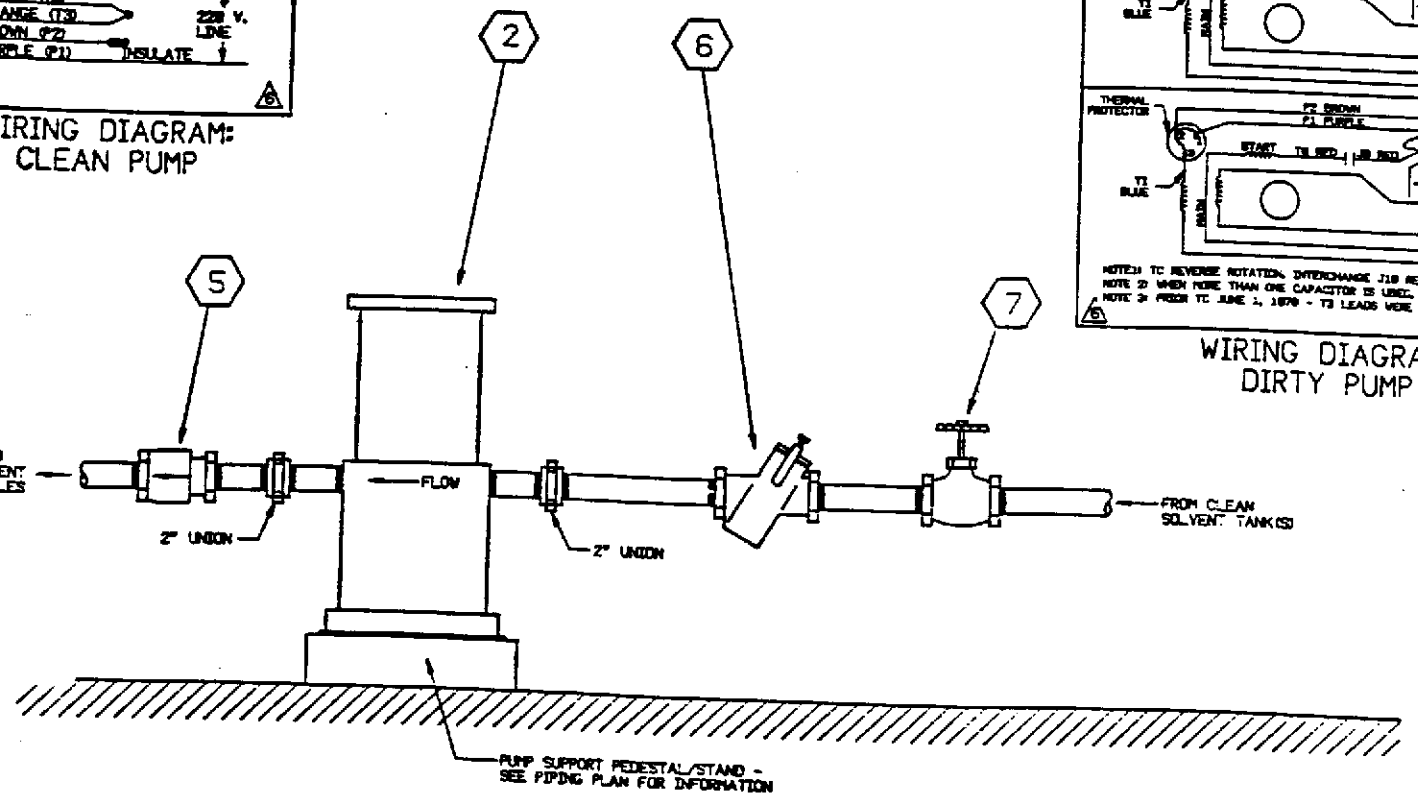
USED SOLVENT PUMP INSTALLATION



WIRING DIAGRAM:
CLEAN PUMP



WIRING DIAGRAM:
DIRTY PUMP



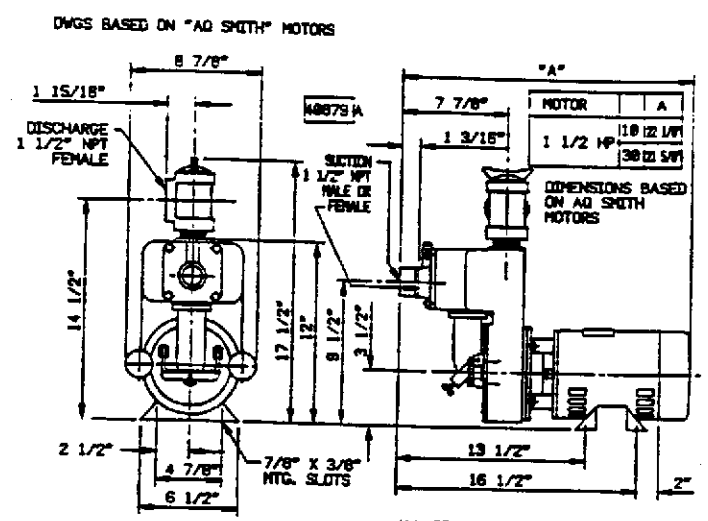
CLEAN SOLVENT PUMP INSTALLATION

EQUIPMENT / FIXTURE SCHEDULE

MARK	SIZE	DESCRIPTION	SK PART NO.	REMARKS
1	2"	2" BRONZE CHECK VALVE - MORRISON BROS. FIG. 246-A	5288	
2	2"	2" MARLOW PUMP - 20 EVP 18A 1 HP EXPLOSION PROOF MOTOR W/JUNCTION BOX - VITON FITTED	5248	SEE SPECIFICATION DETAILS ON SAFETY-KLEEN DWG. A11118 BELOW
3	2"	2" DUMPSTER HOSE ASSEMBLY	5234	SEE SAFETY-KLEEN DWG. D18452 FOR DETAILED INFORMATION
⚠1 4	2"	2" APOLLO BALL VALVE, BRONZE BODY W/STAINLESS STEEL BALL & TRIM, TEFLON SEALS & CONBRACO SPRING LOADED SELF CLOSING DEADMAN HANDLE	5272	
5	2"	2" BACK PRESSURE VALVE VERTICAL TYPE WITH 6 PSI SPRING SETTING - MORRISON BROS. FIG. 158-B/PR (15 P.S.I. OPEN)	5288	FOR ABOVEGROUND TANK INSTALLATION ONLY
6	2"	2" LINE STRAINER W/TOP CLEAN-OUT W/#20 MESH MORRISON BROS. FIG. 286	5289	
7	2"	2" BRONZE GATE VALVE MORRISON BROS. FIG. 235	5236	
⚠2 8	2"	2" MARLOW SUCTION STRAINER ASSEMBLY MODEL 2818X W/STAINLESS STEEL BASKET W/#18 PERFORATIONS	5313	FLANGED DISCHARGE PORT OF STRAINER SERVES AS UNION ON SUCTION SIDE OF PUMP
9	1 1/2"	1 1/2" MARLOW PUMP - 1 1/2HR49EC, SINGLE PHASE, EXPLOSION PROOF, BUNA FITTED, SELF PRIMING CENTRIFUGAL	5330	SEE DETAIL BELOW LEFT

PUMP UNITS WITH OPEN MOTORS
1 1/2HR49EC

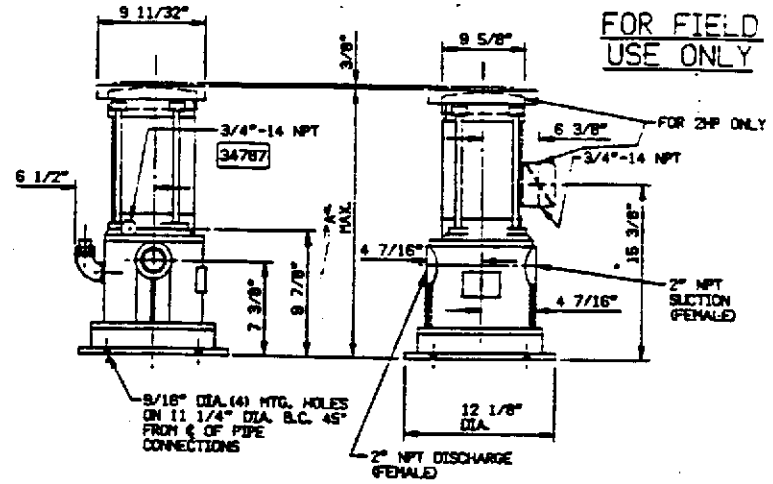
DWGS BASED ON "AO SMITH" MOTORS



ALL DIMENSIONS SHOWN IN INCHES

THESE DIMENSIONS NOT TO BE USED FOR CONSTRUCTION PURPOSES WITHOUT FORMAL FACTORY APPROVAL.

FOR FIELD USE ONLY



GENERAL NOTES

1. THIS DRAWING SUPERCEDES SAFTY-KLEEN CORP. DRAWING A1118
2. SEE INDIVIDUAL SERVICE CENTER SITE & PIPING PLANS FOR LOCATIONS & ARRANGEMENT OF THESE DETAILS.
3. FOR UNDERGROUND TANK INSTALLATIONS, A 90° CHECK VALVE MORRISON BROS. FIG. 137 OR APPROVED EQUAL SHOULD BE INSTALLED AT TOP OF TANK ON CLEAN PUMP SUCTION LINE (CLEAN TANKS ONLY).
- ⚠4. ALL PIPING TO BE 2" SCHEDULE 40 GALVANIZED UNLESS OTHERWISE SPECIFIED. ALL CHANGES OF DIRECTION IN DIRTY SOLVENT PIPING TO BE ACCOMPLISHED USING EITHER (2)-45° ELBOWS OR (1)-LONG RADIUS 90° ELBOW.
5. THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN CORP. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.
- ⚠6. ALL ITEMS WITH SAFETY-KLEEN PART NO. REFERENCES WILL BE SUPPLIED TO CONTRACTOR.

GENERAL NOTES

1. MODEL TO BE USED BY SAFETY-KLEEN CORP. - MODEL 20 EVP-18A, 1 HP - 2" WITH EXPLOSION PROOF MOTOR W/JUNCTION BOX & VITON FITTED, SINGLE PHASE 60 CYCLE 115/230V.
2. SEE INDIVIDUAL SERVICE CENTER SITE PLANS FOR LOCATION OF THE INSTALLATION.

S-K PART NO.	G.E. EXPL. PROOF MOTORS			
	HP	PHASE	CYCLE	A
5248	1	1	60	20 13/32" : 115/230

EXHIBIT III-3

⚠6	ADDED V.U.'S FOR CLEAN & USED PUMPS	RC	
⚠5	ADDED NEW PUMP FOR DIRTY SOLVENT TO VIEW & TABLE & ADDED PUMP SPECS	RD	
⚠4	ADDED NOTE 6	W.J	
⚠3	ADDED PUMP SPECS - DWG A11118	W.J	
⚠2	ADDED ITEM ⑧ & ADDED TO NOTE ④	W.J	
⚠1	CHANGED ITEM ④ TO NEW TYPE VALVE	W.J	
NO.	DESCRIPTION	BY	DATE

TITLE: SOLVENT PUMP PIPING INSTALLATION DETAILS

SAFETY-KLEEN CORP.

PROJ. ENG. APPR.	OPERATIONS APPR.	SCALE	DRAWN
		NTS	

Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406

Lawton Chiles, Governor

Telephone: 407/433-2650
Fax: 407/433-2666

Carol M. Browner, Secretary

MAY 15 1992

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

FILE

Mr. Victor L. San Agustin, P.E.
Regional Environmental Engineer
Safety-Kleen Corporation
129 South Kentucky Ave., Suite 701
Lakeland, FL 33801

Re: Modification of Hazardous Waste Construction Permit
Safety-Kleen/Medley, HC 13-175466

Dear Mr. San Agustin:

The above referenced permit modification has been finalized. The modifications included in the permit are as follows:

-provision to allow operation under the construction permit while the operating permit application is under review;

-addition of Fluid Recovery Service (FRS) wastes as permitted wastestreams;

-inclusion of a 20,000-gallon ethylene glycol tank;

-addition of references to Toxicity Characteristic Leaching Procedure (TCLP), including spent ethylene glycol;

-deletion of references to specific container colors and sizes;

-inclusion of the new dumpster/barrel washers;

-variations in dimensions and capacities between the final engineering drawings and the permit application, as noted by Questec Corp. (letter of 10/14/91 from Gary McLogan of Questec to Melissa Hlebasko of Safety-Kleen), Safety-Kleen's construction contractor.

-various other informational changes to update the permit.

Recycled Paper

Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406

Lawton Chiles, Governor

Telephone: 407/433-2650
Fax: 407/433-2666

Carol M. Browner, Secretary

MAY 15 1992

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120
Attn: Mr. Victor L. San Agustin,
Regional Environmental Engineer
Tampa Region

PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: March 1, 1991
DATE OF EXPIRATION: December 1, 1992
DATE OF MODIFICATION:
COUNTY: Dade County
LATITUDE/LONGITUDE: N25°51'90"/W80°20'23"
SECTION/TOWNSHIP/RANGE:
PROJECT: Hazardous Waste Storage Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule 17-4, and 17-730 in conformance with all existing regulations of the Florida Department of Environmental Regulation. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TO CONSTRUCT: A Hazardous Waste Storage Facility consisting of a container storage area, return/fill area and above-ground storage tanks.

CONTAINER STORAGE AREA:

The container storage is equipped with the following features: impervious floors with slopes toward spill containment areas, fire suppression system and controlled access (inside fenced area with locked gate). The capacity of the container storage area will be 6912 gallons (432 16-gallon containers, or the equivalent). The hazardous waste to be stored in the containers is as follows:

Dumpster Sediment
Spent Immersion Cleaner
Dry Cleaning Wastes
Paint Wastes
Transfer/Fluid Recovery
Service Waste (FRS)

The transfer/fluid recovery service waste will be stored within the container storage area, but apart from those wastes with manifests which are terminated at the facility. The facility will manage the FRS waste in accordance with 17-730.171 F.A.C. and insure that the transfer (FRS) waste is maintained within a permanently designated, distinctly separate, area.

Recycled Paper

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: March 1, 1991
DATE OF EXPIRATION: December 1, 1992
DATE OF MODIFICATION:

TANK SYSTEM:

The secondary containment of the tank farm building will house two above-ground waste storage tanks. The capacity of the waste mineral spirits (D001, D006, D008) tank is 20,000 gallons. The capacity of the used antifreeze (D004-D011, D018, D019, D021-D030, D032-D043) tank is 20,000 gallons. The tanks will be constructed with adequate secondary containment/leak detection systems and operated at a volume of 95% of their total capacity. Each tank may be filled beyond 95% of their total capacity only for testing purposes. The tank testing will be provided to ensure the proper functioning of each tank's high level alarm system.

IN ACCORDANCE WITH: Application DER Form 17-730.900(2) Dated January 26, 1990 and with additional information submitted May 1, 1990, November 12, 1990, February 4, 1992, March 10, 1992, May 6, 1992 and Public Notice dated March 30, 1992.

LOCATED AT: Safety-Kleen Corporation, N.W. 96 St. and N.W. 89th Avenue, Medley, Florida.

SUBJECT TO: General Conditions 1-17 and Specific Conditions 1-15.

GENERAL CONDITIONS Cont'd:

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in the permit, the permittee shall immediately notify and provide the Department with the following information:

   (a) a description of and cause of non-compliance; and

   (b) the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the Department as evidence in any enforcement case arising under the Florida Statutes or Department rules, except where such use in prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the estent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

   (a) Determination of Best Available Control Technology (BACT)

   (b) Determination of Prevention of Significant Deterioration (PSD)

   (c) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)

   (d) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

   (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically, unless otherwise stipulated by the Department.

   (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), required by this permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

   (c) Records of monitoring information shall include:

      1. the date, exact place, and time of sampling or measurements;
      2. the person responsible for performing the sampling or measurements
      3. the date(s) analyses were performed;
      4. the person responsible for performing the analyses;
      5. analytical techniques or methods used; and
      6. results of such analyses.

GENERAL CONDITIONS Cont'd:

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be submitted or corrected promptly.

16. In the case of an underground injection control permit, the following permit conditions also shall apply:

    (a) All reports or information required by the Department shall be certified as being true, accurate and complete.

    (b) Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

    (c) Notification of any noncompliance whcih may endanger health or the environment shall be reported verbally to the Department within 24 hours and again within 72 hours, and a final written report provided within two weeks.

    1. The verbal reports shall contain any monitoring or other information which indicate that any contaminant may endanger an underground source of drinking water and any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

17. The following conditions also shall apply to a hazardous waste facility permit.

    (a) The following reports shall be submitted to the Department:

    1. Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.

    2. Unmanifested waste report. The permittee shall submit an unmanifested waste report to the Department within 15 days of receipt of unmanifested waste.

    3. Annual report. An annual report covering facility activities during the previous calendar year shall be submitted pursuant to Chapter 17-730, F.A.C.

    (b) Notification of any noncompliance which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within 24 hours, and a written report shall be provided within 5 days. The verbal report shall include the name, address, I.D. number, and telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards, and the estimated quantity and disposition of recovered material. the written submission shall contain:

    1. A description and cause of the noncompliance.

    2. If not corrected, the expected time of correction, and the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

    (c) Reports of compliance or noncompliance with, or any progress reports on, requirements in any compliance schedule shall be submitted no later than 14 days after each schedule date.

    (d) All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: March 1991
DATE OF EXPIRATION: December1, 1992
DATE OF MODIFICATION:

SPECIFIC CONDITIONS:

1. This permit authorizes construction only of the facility described in the application. The Department shall be notified and prior approval shall be obtained of any changes or revisions made during construction.

2. The permittee shall retain the engineer of record for the inspection of the construction of the project. Upon completion, the engineer shall inspect for conformity to the permit application and additional information submitted and shall so certify to the Department. The certification is to be submitted within 30 days after completion.

3. The permittee, in accordance with 40 CFR 264.192(b), shall provide a professional engineer registered in the State of Florida to monitor and/or visually inspect the tank installation in order to identify the presence of any of the following items:

   (a) weld breaks

   (b) punctures

   (c) scrapes in the protective coatings

   (d) cracks

   (e) corrosion

   (f) other structural damage or inadequate construction/installation

   Should any of the above problems be identified they must be remedied before the tank system is placed in use.

4. Upon completion of construction of the tanks, the permittee shall perform a tightness test using hydrostatic pressure by preloading the tanks with water before hazardous waste storage.

5. At a minimum, the permittee shall equip the facility with the equipment specified in the application, as required by 40 CFR 264.32.

6. The completed construction of the container storage shall be in compliance with 40 CFR 264.175 and 40 CFR 264.176.

7. The completed construction of the above-ground tank system shall be in compliance with 40 CFR 264.193 and 40 CFR 264.198.

8. The permittee may <u>not</u> commence storage of hazardous waste at the facility until:

   (a) The permittee has submitted the engineering certification of construction in compliance with the permit application;

   (b) The Department has inspected the newly constructed facility and finds it in compliance with the conditions of the permit, and other applicable state regulations;

   (c) Personnel training has been completed.

   (d) The permittee may, however, as per FAC Rule 17-730.250(3), operate until final agency action is taken on the operating permit. Storage of hazardous waste may commence only after Specific Conditions 8.(a), 8.(b), and 8.(c), above, have been met.

9. The permittee shall submit an application for an Operation Permit at least 135 days prior to expiration of this permit.

10. The Department may modify the conditions in this permit upon written request of the permittee in accordance with FAC Rule 17-730.290(3).

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: March 1991
DATE OF EXPIRATION: December 1, 1992
DATE OF MODIFICATION:

SPECIFIC CONDITIONS:

11. The provision for the storage of FRS Waste is contingent upon all principles of waste compatability identified in the segregation chart of hazardous materials (49 CFR, Chapter I, Subpart 177.848) being adhered to at all times. The FRS wastes are to be managed as a segregated transfer facility waste stream. The FRS hazardous transfer waste will be stored within the container storage area but apart from the wastes with manifests which are terminated at the facility. The facility will manage the FRS waste in accordance with 17-730.171 F.A.C. and insure that the transfer (FRS) waste is maintained within a permanently designated, distinctly separate, area. The maximum storage volume of the container storage area will remain 6912 gallons (432 16-gallon containers, or the equivalent).

12. The permittee may store only those wastes specified, in Attachment I.D.3-1 and Table II.A.5-1 of the application, at the facility. Prior to acceptance of new hazardous waste, the permittee shall submit to the Department, for approval, waste analysis of the proposed new waste stream. This analysis must also be incorporated in the general waste analysis plan and retained on-site (40 CFR 264.13).

13. Construction of the facility will also include new dumpster/barrel washers located within the mineral spirits return and fill shelters. The new dumpster/barrel washers will conform with the drawings (Figures II.C.2-2(a) through II.C.2-2(j)) of the application. The capacity of the wet dumpsters (504 gallons per dumpster) is not to be increased by the design changes of the new dumpster/barrel washers.

14. The floors of the container storage area, mineral spirits return and fill shelters and the tank vault systems interior walls and concrete slab will receive two coats of Semstone 140 or equivalent.

15. Construction of the facility will include revised dimensions and capacities as addressed in the revised engineering drawings. These variations are as follows:

    (a) container storage area containment-3036 gal.

    (b) return/fill area containment-2014 gal.

    (c) exterior trench/loading dock-706 gal.

    All discrepancies between approved engineering drawings and final construction must be addressed in the final engineering certification of the facility.

Issued this 15th day of May, 1992.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

Bobby A. Cooley, P.E.
Acting Director of District Management

BAC:km:gml/965.61

RECEIVED
MAY 0 6 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

safety-kleen.

May 1, 1992

Project No. 13112.21, Task 14

VIA CERTIFIED MAIL

Mr. Donald B. White
Acting Director of District
Management
Florida Department of
Environmental Regulation
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406

RE: Intent to Modify Medley Construction Permit HC-13-175466, FLD 984167791

Dear Mr. White:

Safety-Kleen Corp. (Safety-Kleen) has received the above-referenced Intent to Modify dated March 19, 1992 and has the following comment(s):

1. On Page 2 of the Intent to Modify cover letter, the second full paragraph states that "waste paint containers should not be limited by one particular color. The waste paint containers may be of any color the facility might choose." Safety-Kleen has requested that references to color of all waste containers should be removed from the permit and permit application. This sentence should read "waste containers should not be limited by one particular color. The waste containers may be of any color the facility might choose."

2. On Page 1 of the permit under Tank Systems, the last sentence states that the tanks will be "operated at a volume of 95% of their total capacity." Sometimes the liquid levels in the tank are filled beyond 95% for testing and not for operating purposes in order to ensure that the tank's high-level alarm system is functioning. The facility should be allowed to fill each hazardous waste tank beyond 95%, since the containment system was constructed to handle 100% of the largest tank. Please add the following sentence to the last paragraph on Page 1: "Each tank may be filled beyond 95% of each tank's capacity for testing purposes in order to ensure that each tank's high-level alarm system is functioning."

OK

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

We appreciate the Agency's prompt attention to this request for modification.

Sincerely,

Victor L. San Agustin, P.E.
Regional Environmental Engineer
Tampa Region

bai/ksc

c: Cynthia Norton - ERM

safety-kleen

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

RECEIVED
APR 27 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

April 22, 1992

Mr. Robert Kukleski
Florida Department of
Environmental Regulation
1900 S. Congress Avenue, Suite A
West Palm Beach, Florida 33406

RE: Newspaper and Radio Announcement--Intent to Modify the Construction Permit for Medley, Florida; FLD 984171694

Dear Mr. Kukleski:

Attached is the newspaper proof of publication and radio announcement for the above-referenced facility. If you have any questions please contact me at (813) 682-8094.

Sincerely,

Victor L. San Agustin

Victor L. San Agustin, P.E.
Regional Environmental Engineer
Tampa Region

mmm

Attachment

c: C. Norton - ERM

13112.21/TSK11/01/RK042292/1

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

Newsradio 940
WINZ
ZETA
WZTA 94.9 FM

RECEIVED
APR 10 1992
SAFETY-KLEEN CORP.
ENVIRONMENTAL ENGINEER
TAMPA REGION

RECEIVED
APR 27 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

Victor L. Sanagustin
Safety-Kleen Corp.
129 S. Kennedy Avenue Suite 701
Lakeland, Florida 33801

This is to advise you that WINZ-AM Miami broadcast the State of Florida Department of Environmental Regulation Notice of Proposed Agency Action on Permit Modification, Friday April 3 1992 at 12:13p.

Leonard Finver
Public Service Director

Sworn to and subscribed before me this 6th Day of April, 1992.

Wendy Harmon
Notary Public

OFFICIAL NOTARY SEAL
WENDY HARMON
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION NO. CC184021
MY COMMISSION EXP. MAR. 28,1996

4330 N.W. 207th Drive • Miami, Florida 33055 • Broward (305) 763-7222 • Dade (305) 624-6101 • FAX (305) 621-4954

The Miami Herald

PUBLISHED DAILY
MIAMI — DADE — FLORIDA

STATE OF FLORIDA
COUNTY OF DADE:

Before the undersigned authority personally appeared

ANN MARTULA

who on oath says that he/she is

CUSTODIAN OF RECORDS

of The Miami Herald, a daily newspaper published at Miami in Dade County, Florida; that the attached copy of advertisement was published in said newspaper in the issues of

MARCH 30, 1992

RECEIVED
APR 27 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

Affiant further says that the said The Miami Herald is a newspaper published at Miami, in the said Dade County, Florida and that the said newspaper has heretofore been continuously published in said Dade County, Florida, each day and has been entered as second class mail matter at the post office in Miami, in said Dade County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Ann Martula

Sworn to and subscribed before me this 30th day of March A.D. 19 92

My commission expires Virginia J. Gallon

Virginia J. Gallon

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXP. JUNE 28,1993

Department of Environmental Regulation
Notice of Proposed Agency Action on Permit Modification

The Department gives notice of its intent to Modify the hazardous waste operating permit of Safety-Kleen Corporation, Medley Facility, Dade County. This modification will authorize Safety-Kleen to add a tank unit and to store different wastes in containers within the container storage area. The modification also includes the general permit provisions involving equipment replacing or upgrading with functional equivalents as well as several informational changes. This modification will alter the terms of the existing construction permit to reflect the changes specific to the container storage area and tank system.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this preliminary statement. Therefore, persons who may support the proposed agency action may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to F.A.C., Model Rule 28-5.207, at least five (5) days before the final hearing and may be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32399-2400. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time from constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department's Southeast Florida District Office, 1900 South Congress Ave., West Palm Beach, Florida 33406.

In addition to the above hearing procedure persons wishing to comment on any aspect of this action are required to submit their comments, in writing, to the Department's Southeast District Office, within forty-five (45) days of publication of this notice.

RECEIVED
APR 17 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

safety-kleen

April 14, 1992

Project No. 13112.21, Task 14

Mr. Robert Kukleski
Florida Department of
Environmental Regulation
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406

RE: Medley Construction Permit HC-13-175466, FLD984167791

Dear Mr. Kukleski:

As you have previously discussed with our consultant, Cynthia Norton of ERM, Safety-Kleen would like to make several small changes at the new Medley facility.

The first change is the addition of a roof to the tank farm. The metal roof would extend approximately 2 feet beyond the back side of the tank farm wall, 10 feet beyond each end, and 25 feet over the front side of the tank farm. The 25-foot overhang on the front side will extend over the tanker loading area. In addition to the roof, there will be a corrugated metal wall on both the front and back sides of the tank farm. The ends will be left open. The purpose of the roof and walls is to reduce the amount of rain water that accumulates in the containment areas.

The second change is the fact that while the tank farm is sized as a six pack tank farm, only three tanks will initially be installed. This change does not affect the dimensions of the tank farm or any operational procedures or storage capacity relative to the management of hazardous wastes. The additional three tanks will be added at a later date.

The final issue is a reiterance of an issue discussed in a February 5, 1992 letter from our consultant. It is our understanding that Safety-Kleen may install the spent ethylene glycol tank during the normal phases of construction, even though the final construction permit modification has not been issued.

Based on previous conversations, it is Safety-Kleen's understanding that these changes do not require a permit modification. The changes, however, need to be reflected in both the operating permit application and the P.E. certification of completion of construction.

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

If you have any questions, please contact me at (813) 682-8094.

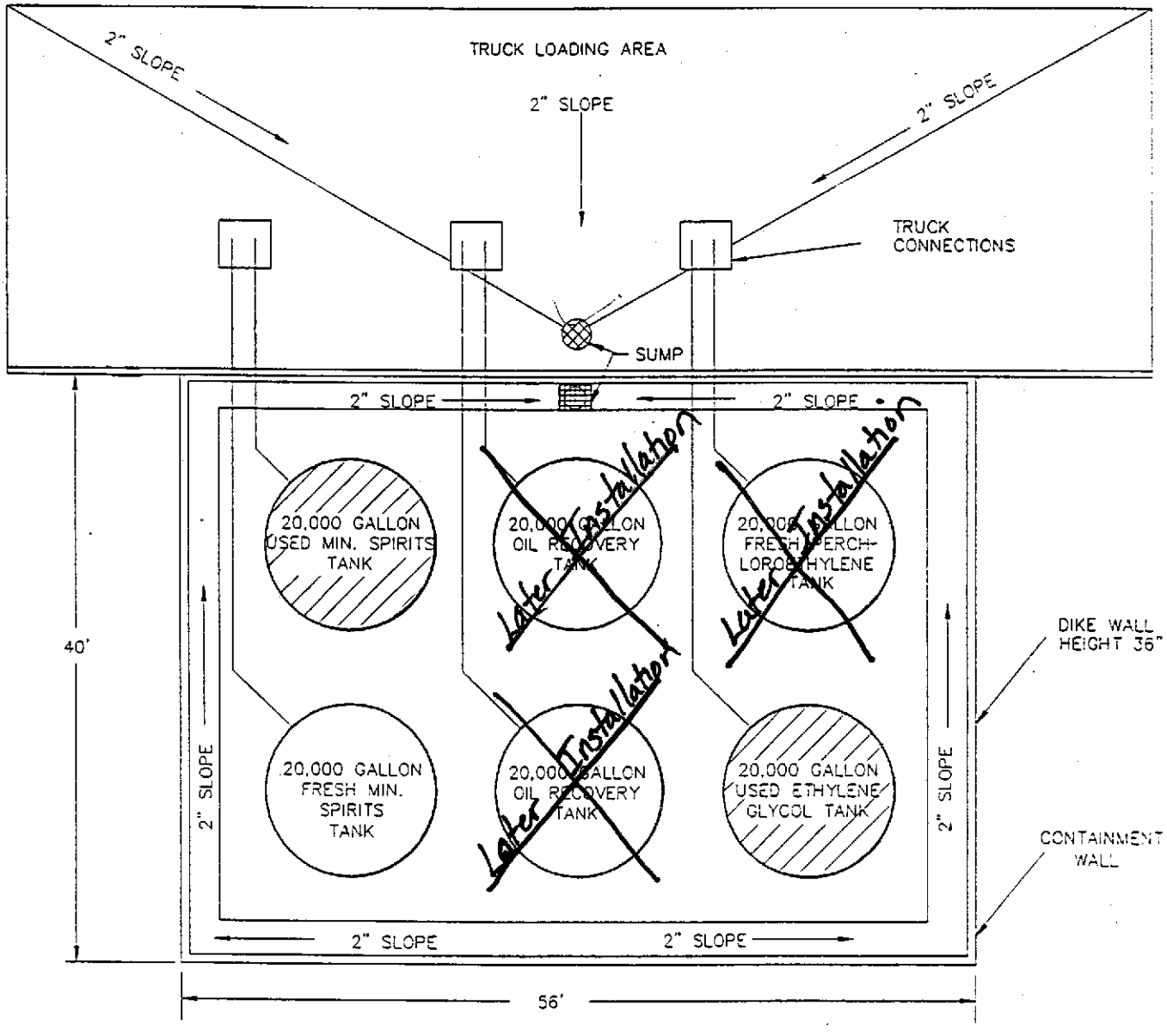
Sincerely,

Victor L. San Agustin, P.E.
Regional Environmental Engineer
Tampa Region

bai/ksc

c: C. Norton - ERM

Figure II.C.2-1
Tank Farm
Safety-Kleen Corp. Facility
Medley, Florida



NOTE: ENTIRE AREA IS CONCRETE

The ERM Group

Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406

Lawton Chiles, Governor

Telephone: 407/433-2650
Fax: 407/433-2666

Carol M. Browner, Secretary

MAR 1 9 1992

Dade County
HW - Safety-Kleen Corporation
Medley Facility

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Victor L. San Agustin
Regional Environmental Engineer
Safety-Kleen Corporation
129 S. Kentucky Ave., Suite 701
Lakeland. FL 33801

FILE

RE: File Number HC 13-175466 - Safety-Kleen Corp., Medley Facility - Permit Modification

Dear Mr. San Agustin:

The request to modify the hazardous waste construction permit has been evaluated. This Department hereby gives notice of its Intent to Modify and requests the publication of notice for the above referenced permit modification. Pursuant to Section 403.815, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rule 17-103.150, you are required to provide public notice at your expense.

Please have the enclosed Notice of Proposed Agency Action, designated for newspaper publication, published one time only in the legal advertisement section of a newspaper of general circulation in the county where the activity is proposed. The notice must be published as soon as possible, but no later than thirty (30) days of receipt of this letter.

In addition to publication, the enclosed radio announcement shall be broadcast one time by a radio station that covers the same area within thirty (30) days of receipt of this letter. Please have the radio station submit a letter to the Department which verifies the date the notice was announced. Some stations have been providing this service as part of their public service announcement requirement.

In accordance with F.A.C. Rule 17-103.150, you must provide proof of publication to the Department within seven (7) days of publication. Please have the newspaper prepare an affidavit of publication and submit it to this office. Further action on your permit modification will be taken following public notice and the waiting period specified in the notice.

If there are any questions regarding this matter contact Mr. Knox McKee at this office, telephone 407/433-2650.

Sincerely,

Donald B. White

Donald B. White
Acting Director of District Management

DEW:kmc:gml/965.79
Enclosure

cc: Zachary Chasen/DERM
Satish Kastury, DER/Tallahassee
Allen Farmer/EPA Region IV, Florida RCRA Activities, Atlanta
Scott Fore, Safety-Kleen/Elgin

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Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406

Lawton Chiles, Governor

Telephone: 407/433-2650
Fax: 407/433-2666

Carol M. Browner, Secretary

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

In the Matter of a
Request for Permit Modification:

Mr. Victor L. San Agustin
Regional Environmental Engineer
Safety-Kleen Corporation
129 S. Kentucky Ave., Suite 701
Lakeland, FL 33801

DER File No. HC 13-175466
Dade County

INTENT TO MODIFY

The Department of Environmental Regulation hereby gives notice of its Intent to Modify, and requests the publication of notice for, the above referenced permit. This modification provides for: the addition of a tank unit resulting in greater than 25% increase in the facility's tank capacity, allows the storage of different wastes in containers within the container storage area, and recognizes the informational changes involving floor sealant identification and container size references. The modification also includes the correction of typographical errors, changes in the content of inspection schedules, as well as informational changes within the contingency plan.

The modification is valid only through the expiration date (December 1, 1992) of this construction permit. This modification will authorize the permittee to construct an additional above-ground storage tank within the permitted secondary containment area. The 20,000 gallon tank will store contaminated, waste antifreeze (ethylene glycol). The primary hazardous characteristic of the waste is toxicity by characteristic leaching procedure standards (D004-D011, D018, D019, D021, D030, D032-D043). The tank has been constructed with adequate secondary containment/leak detection system.

The modification allows for the storage and management of the following wastes under the facility's fluid recovery service (FRS) waste program:

1. Spent hydrocarbon distillates, such as waste fuel, oil, petroleum, naphta;
2. Lubricating, hydraulic oils, machine oils;

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3. Industrial halogenated solvents, such as 1,1,1-trichloroethane, tetrachloroethylene, freon, trichloroethane;
4. Paint, laquer thinners, paint wastes;
5. Other hazardous and non-hazardous halogenated and non-hazardous solvents.

Table II.A.5-1 of the permit application provides a list of the EPA waste codes managed at the facility under the FRS Program.

The modification provides that the waste paint containers should not be limited by one particular color. The waste paint containers may be of any color the facility might choose.

All references to container sizes have been removed from the original permit application except where container sizes are presented in the container management section (Table II.B.4-1).

The modification permits the facility to operate under its construction permit until final agency action is taken on the operation permit, so long as the facility is in compliance with 40 CFR Part 264 standards, and makes timely application for an operation permit (June 25, 1992). The operation under the construction permit, may commence only after the permittee has submitted the engineering certification of construction and following the Department's inspection of the newly constructed facility for compliance with permit conditions and applicable state regulations.

The Department is taking this action under the authority of Section 403.722, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 17-4 and 17-730, which allow issuance of permits (including permit modifications) to facilities that treat, store, or dispose of hazardous wastes. The modification of this permit is based on the applicant's demonstration that this facility is in compliance with the technical and procedural requirements established in F.A.C. Chapter 17-730 and the appropriate Sections of 40 CFR Parts 260 through 266, which were adopted by reference in F.A.C. Chapter 17-730.

Pursuant to Sections 403.815 and 403.722, F.S., and F.A.C. Rule 17-30.220(6), you are required to publish at your expense, notice of the Department's Intent to Modify a hazardous waste storage and treatment construction permit.

The notice must be published one time only in the legal advertisement section of a major local newspaper of general circulation and broadcast over a local radio station within thirty (30) days from receipt of this letter. Proof of publication and broadcast must be provided to the department within seven (7) days of publication of the notice.

Failure to publish or provide proof of publication and broadcast within the allotted time may result in the denial of the permit modification.

The Department shall modify the permit with the attached conditions unless an appropriate petition is filed for a hearing pursuant to the provisions of Section 120.57, F.S. At a formal hearing under 120.57(1), F.S., all parties shall have an opportunity to present evidence and argument on all issues involved, to conduct cross-examination and submit rebuttal evidence, to submit proposed findings of fact and orders, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. At an informal hearing under 120.57(2), F.S., the Department will provide affected persons or parties an opportunity to represent evidence or a written statement in opposition to the agency's action.

Petitions for hearing must comply with the requirements of F.A.C. Rules 17-103.155 and 28-5.201 and be filed with the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions by the permit applicant must be filed within forty-five (45) days of receipt of this letter. Petitions filed by other parties, or requests for public meetings by persons, must be filed within forty-five (45) days of publication or broadcast of the public notice. Petitions or requests for meetings which are not filed in accordance with the above provisions are subject to dismissal.

DONE AND ENTERED this 18th day of March, 1992 in West Palm Beach, Florida.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

Donald B. White

Donald B. White
Acting Director of District Management
1900 South Congress Ave., Suite A
West Palm Beach, FL 33406

DBW:kmc/gml.74

Copies furnished to:

cc: Zachary Chasen/DERM
Satish Kastury, DER/Tallahassee
Allen Farmer/EPA Region IV, Florida RCRA Activities, Atlanta
Scott Fore, Safety-Kleen/Elgin

This is to certify that this NOTICE OF INTENT TO MODIFY was mailed before the close of business on the date indicated on the return receipt request form.

Gloria Lindsey
Signature

NEWSPAPER ANNOUNCEMENT

State of Florida
Department of Environmental Regulation
Notice of Proposed Agency Action on Permit Modification

The Department gives notice of its Intent to Modify the hazardous waste operating permit of Safety-Kleen Corporation, Medley Facility, Dade County. This modification will authorize Safety-Kleen to add a tank unit and to store different wastes in containers within the container storage area. The modification also includes the general permit provisions involving equipment replacing or upgrading with functional equivalents as well as several informational changes. This modification will alter the terms of the existing construction permit to reflect the changes specific to the container storage area and tank system.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must conform to the requirements of Florida Administrative Code (F.A.C.), Chapters 17-103 and 28-5, and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within forty-five (45) days of publication of this notice. Failure to file a request for hearing within this time period constitutes a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this preliminary statement. Therefore, persons who may support the proposed agency action may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to F.A.C., Model Rule 28-5.207, at least five (5) days before the final hearing and may be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32399-2400. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department's Southeast Florida District Office, 1900 South Congress Ave., West Palm Beach, Florida 33406.

In addition to the above hearing procedure persons wishing to comment on any aspect of this action are required to submit their comments, in writing, to the Department's Southeast District Office, within forty-five (45) days of publication of this notice.

RADIO ANNOUNCEMENT

State of Florida
Department of Environmental Regulation
Notice of Proposed Agency Action on Permit Modification

The Department gives notice of its Intent to Modify the hazardous waste construction permit of Safety-Kleen Corporation to reflect changes specific to the container storage area and tank system. The operation of an additional storage tank and management of additional waste types within containers will be in compliance with state regulations.

Persons whose substantial interests are affected by the Department's proposed permit modification decision may petition for an administrative hearing in accordance with section 120.57, Florida Statutes. If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this preliminary statement. Therefore, persons who support the proposed agency action may also wish to intervene in the proceeding.

For more information concerning the applicable requirements of the petitioning process and the necessary time frames for filing, please contact the Southeast Florida District Office at (407) 433-2650. The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Southeast Florida District Office, 1900 South Congress Ave., West Palm Beach, FL 33406.

Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406

Lawton Chiles, Governor

Telephone: 407/433-2650
Fax: 407/433-2666

Carol M. Browner, Secretary

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120
Attn: Mr. Victor L. San Agustin,
Regional Environmental Engineer
Tampa Region

PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: March 1, 1991
EXPIRATION DATE: 12/1/92 (Permit Modified)
COUNTY: Dade County
LATITUDE/LONGITUDE: N25°51'90"/W80°20'23"
SECTION/TOWNSHIP/RANGE:
PROJECT: Hazardous Waste Storage Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule 17-4, and 17-730 in conformance with all existing regulations of the Florida Department of Environmental Regulation. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TO CONSTRUCT: A Hazardous Waste Storage Facility consisting of a container storage area, return/fill area and above-ground storage tanks.

CONTAINER STORAGE AREA:

The container storage is equipped with the following features: impervious floors with slopes toward spill containment areas, fire suppression system and controlled access (inside fenced area with locked gate). The capacity of the container storage area will be 6912 gallons (432 16-gallon containers, or the equivalent). The hazardous waste to be stored in the containers is as follows:

Dumpster Sediment
Spent Immersion Cleaner
Dry Cleaning Wastes
Paint Wastes
Transfer/Fluid Recovery
Service Waste (FRS)

The transfer/fluid recovery service waste will be stored within the container storage area, but apart from those wastes with manifests which are terminated at the facility. The facility will manage the FRS waste in accordance with 17-730.171 F.A.C. and insure that the transfer (FRS) waste is maintained within a permanently designated, distinctly separate, area.

TANK SYSTEM:

The secondary containment of the tank farm building will house two above-ground waste storage tanks. The capacity of the waste mineral spirits (D001, D006, D008) tank is 20,000 gallons. The capacity of the used antifreeze (D004-D011, D018, D019, D021-D030, D032-D043) tank is 20,000 gallons. The tanks will be constructed with adequate secondary containment/leak detection systems and operated at a volume of 95% of their total capacity.

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PERMITTEE:
I.D. NUMBER: FLD984167791
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

PERMIT/CERTIFICATION NUMBER: ~~HO-50-195905~~
DATE OF ISSUE: March 1, 1991
EXPIRATION DATE: December 1, 1992

IN ACCORDANCE WITH: Application DER Form 17-730.900(2) dated January 26, 1990 and with additional information submitted May 1, 1990, November 12, 1990, February 4, 1992, March 10, 1992 and Public Notice dated March 30, 1992.

LOCATED AT: Safety-Kleen Corporation, N.W 96 St. and N.W. 89th Avenue, Medley, Florida.

SUBJECT TO: General Conditions 1-17 and Specific Conditions 1-15.

DER Form 17-1.201(5)
Effective November 30, 1982

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

I.D. NUMBER: FLD984167791
PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: March 1, 1991
EXPIRATION DATE: December 1, 1992

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant life or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted to:

   (a) Have access to and copy any records that must be kept under the conditions of the permit;
   (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
   (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

I.D. NUMBER: FLD984167791
PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: March 1, 1992
EXPIRATION DATE: December 1, 1992

GENERAL CONDITIONS Cont'd:

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in the permit, the permittee shall immediately notify and provide the Department with the following information:

   (a) a description of and cause of non-compliance; and

   (b) the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the Department as evidence in any enforcement case arising under the Florida Statutes or Department rules, except where such use in prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the estent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

   (a) Determination of Best Available Control Technology (BACT)

   (b) Determination of Prevention of Significant Deterioration (PSD)

   (c) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)

   (d) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

   (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically, unless otherwise stipulated by the Department.

   (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), required by this permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

PERMITTEE:
Safety-Kleen Corporation
Big Timber Road
Elgin, IL 60120

I.D. NUMBER: FLD984167791
PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: March 1, 19[redacted]
EXPIRATION DATE: December [redacted] 1992

GENERAL CONDITIONS Cont'd:

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be submitted or corrected promptly.

16. In the case of an underground injection control permit, the following permit conditions also shall apply:

    (a) All reports or information required by the Department shall be certified as being true, accurate and complete.

    (b) Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

    (c) Notification of any noncompliance whcih may endanger health or the environment shall be reported verbally to the Department within 24 hours and again within 72 hours, and a final written report provided within two weeks.

    1. The verbal reports shall contain any monitoring or other information which indicate that any contaminant may endanger an underground source of drinking water and any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

17. The following conditions also shall apply to a hazardous waste facility permit.

    (a) The following reports shall be submitted to the Department:

    1. Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.

    2. Unmanifested waste report. The permittee shall submit an unmanifested waste report to the Department within 15 days of receipt of unmanifested waste.

    3. Annual report. An annual report covering facility activities during the previous calendar year shall be submitted pursuant to Chapter 17-730, F.A.C.

    (b) Notification of any noncompliance which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within 24 hours, and a written report shall be provided within 5 days. The verbal report shall include the name, address, I.D. number, and telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards, and the estimated quantity and disposition of recovered material. the written submission shall contain:

    1. A description and cause of the noncompliance.

    2. If not corrected, the expected time of correction, and the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

    (c) Reports of compliance or noncompliance with, or any progress reports on, requirements in any compliance schedule shall be submitted no later than 14 days after each schedule date.

    (d) All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: March 1, 19[redacted]
EXPIRATION DATE: December [redacted]1992

SPECIFIC CONDITIONS:

1. This permit authorizes construction only of the facility described in the application. The Department shall be notified and prior approval shall be obtained of any changes or revisions made during construction.

2. The permittee shall retain the engineer of record for the inspection of the construction of the project. Upon completion, the engineer shall inspect for conformity to the permit application and additional information submitted and shall so certify to the Department. The certification is to be submitted within 30 days after completion.

3. The permittee, in accordance with 40 CFR 264.192(b), shall provide a professional engineer registered in the State of Florida to monitor and/or visually inspect the tank installation in order to identify the presence of any of the following items:

   (a) weld breaks

   (b) punctures

   (c) scrapes in the protective coatings

   (d) cracks

   (e) corrosion

   (f) other structural damage or inadequate construction/installation

   Should any of the above problems be identified they must be remedied before the tank system is placed in use.

4. Upon completion of construction of the tanks, the permittee shall perform a tightness test using hydrostatic pressure by preloading the tanks with water before hazardous waste storage.

5. At a minimum, the permittee shall equip the facility with the equipment specified in the application, as required by 40 CFR 264.32.

6. The completed construction of the container storage shall be in compliance with 40 CFR 264.175 and 40 CFR 264.176.

7. The completed construction of the above-ground tank system shall be in compliance with 40 CFR 264.193 and 40 CFR 264.198.

8. The permittee may <u>not</u> commence storage of hazardous waste at the facility until:

   (a) The permittee has submitted the engineering certification of construction in compliance with the permit application;

   (b) The Department has inspected the newly constructed facility and finds it in compliance with the conditions of the permit, and other applicable state regulations;

   (c) Personnel training has been completed.

   (d) The permittee may, however, as per FAC Rule 17-730.250(3), operate until final agency action is taken on the operating permit. Storage of hazardous waste may commence only after Specific Conditions 8.(a), 8.(b), and 8.(c), above, have been met.

9. The permittee shall submit an application for an Operation Permit at least 135 days prior to expiration of this permit.

10. The Department may modify the conditions in this permit upon written request of the permittee in accordance with FAC Rule 17-730.290(3).

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: March 1[redacted]991
EXPIRATION DATE: Decem[redacted] 1, 1992

SPECIFIC CONDITIONS:

11. The provision for the storage of FRS Waste is contingent upon all principles of waste compatability identified in the segregation chart of hazardous materials (49 CFR, Chapter I, Subpart 177.848) being adhered to at all times. The FRS wastes are to be managed as a segregated transfer facility waste stream. The FRS hazardous transfer waste will be stored within the container storage area but apart from the wastes with manifests which are terminated at the facility. The facility will manage the FRS waste in accordance with 17-730.171 F.A.C. and insure that the transfer (FRS) waste is maintained within a permanently designated, distinctly separate, area. The maximum storage volume of the container storage area will remain 6912 gallons (432 16-gallon containers, or the equivalent).

12. The permittee may store only those wastes specified, in Attachment I.D.3-1 and Table II.A.5-1 of the application, at the facility. Prior to acceptance of new hazardous waste, the permittee shall submit to the Department, for approval, waste analysis of the proposed new waste stream. This analysis must also be incorporated in the general waste analysis plan and retained on-site (40 CFR 264.13).

13. Construction of the facility will also include new dumpster/barrel washers located within the mineral spirits return and fill shelters. The new dumpster/barrel washers will conform with the drawings (Figures II.C.2-2(a) through II.C.2-2(j)) of the application. The capacity of the wet dumpsters (504 gallons per dumpster) is not to be increased by the design changes of the new dumpster/barrel washers.

14. The floors of the container storage area, mineral spirits return and fill shelters and the tank vault systems interior walls and concrete slab will receive two coats of Semstone 140 or equivalent.

15. Construction of the facility will include revised dimensions and capacities as addressed in the revised engineering drawings. These variations are as follows:

    (a) container storage area containment-3036 gal.

    (b) return/fill area containment-2014 gal.

    (c) exterior trench/loading dock-706 gal.

    All discrepancies between approved engineering drawings and final construction must be addressed in the final engineering certification of the facility.

Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406

Lawton Chiles, Governor

Telephone: 407/433-2650
Fax: 407/433-2666

Carol M. Browner, Secretary

MAR 1 0 1992

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

FILE

Mr.Victor L. San Agustin
Regional Environmental Engineer
Safety-Kleen Corporation
129 S. Kentucky Ave., Suite 701
Lakeland, Fl 33801

Re: Transfer Facility Notification for Boynton Beach facility, FLD 984 167 791 and Medley facility, FLD 984 171 165.

Dear Mr. San Agustin:

The Department has reviewed your February 4,1992 letter providing notification of intent to use the Boynton Beach and Medley branches as transfer facilities. The Boynton Beach facility may conduct hazardous waste transfer activities. The Medley facility, however, may not conduct transfer activities, at this time.

Information demonstrating that the Boynton Beach facility is in compliance with section 17-730.171 F.A.C., transfer facility requirements, has been submitted. The facility meets the conditions of Hazardous Waste Operating Permit HC 50-195905. In meeting the operating permit conditions the facility has also satisfied 17-730 F.A.C. Transfer Facility requirements.

The Medley facility, to date, has not fulfilled the conditions of Hazardous Waste Construction Permit HC 13- 175466. The permit is currently undergoing modification. Specific Condition number (8) eight of the modified permit will read as follows:

8. The permittee may <u>not</u> commence storage of hazardous waste at the facility until:

(a) The permittee has submitted the engineering certification of construction in compliance with the permit application;

Recycled Paper

(b) The Department has inspected the newly constructed facility and finds it in compliance with the conditions of the permit, and other applicable state regulations;

(c) Personnel training has been completed;

(d) The permittee may, however, as per F.A.C. 17-730.250 (3), operate until final agency action is taken on the operating permit. Storage of hazardous waste may commence only after compliance with Specific Condition 8.(a),(b) and (c), above, has been satisfied.

Prior to conducting transfer facility activities at the Medley facility, Safety-Kleen must be in compliance with Specific Condition (8) eight of the modified permit. The information supplied on DER FORM 17-730.900(6), Transfer Facility Notification Form, will be acceptable once that compliance is achieved and the facility would be granted permission to conduct hazardous waste transfer activities.

If you have any questions please call Mr. Knox McKee in the Southeast District office at (407) 433-2650.

Sincerely,

J. Knox Mckee, Jr.

cc: Satish Kastury/ DER Tallahassee
Allen Farmer/ EPA Atlanta
Zachery Chasten/ DERM
Tim Grey/ File Coordinator

ERM-South, inc.

9501 Princess Palm Avenue, Suite 100 • Tampa, Florida 33619 • (813) 622-8727 • Fax (813) 621-8504
8181 N. W. 36th Street, Suite 20 • Miami, Florida 33166 • (305) 591-3076
777 Yamato Road, Suite 130 • Boca Raton, Florida 33487 • (407) 241-1752

Reply To: Tampa Office

February 5, 1992

Project No. 13113.23

RECEIVED
FEB 7 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

Mr. Robert Kukleski
Supervisor, Hazardous
Waste Section
Florida Department of
Environmental Regulation
Southeast District
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406

RE: Minor Deviations - Construction Permit Application, Medley, Florida

OK

Dear Mr. Kukleski:

As discussed on February 4, 1992, Safety-Kleen has identified some minor discrepancies and/or changes with respect to the Medley return/fill and tank farm. These include slight deviations in tank farm dimensions, use of sumps rather than a trench in the return/fill, and relocation of the tanker connections inside the tank farm containment wall. You indicated that as long as the following were adhered to, Safety-Kleen would not have to file a modification for these changes:

1. Containment capacities were equal to or greater than those in the construction application;
2. No significant structures (i.e., additional tanks, buildings) were involved;
3. The P.E. certification at completion of construction identifies these differences; and
4. The operating permit application reflects the as-built conditions.

We also discussed constructing the ethylene glycol tank prior to the issuance of the modification to the construction permit. You indicated that Safety-Kleen could install the tank prior to issuance of the permit modification; however, they did risk having the agency place additional requirements on the tank installation if the installation does not meet 40 CFR requirements.

An affiliate of The Environmental Resources Management Group with offices throughout North America

If you do not agree with this evaluation of our conversation, please contact me at 813-622-8727 or Victor SanAgustin at 813-682-8094.

Sincerely,

Cynthia H. Norton
Project Manager

bai

c: Victor SanAgustin - Safety-Kleen

The ERM Group

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee
To: _____ Location: _____
To: _____ Location: _____
To: _____ Location: _____
From: _____ Date: _____

RECEIVED
FEB 20 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

Interoffice Memorandum

TO: Saadi Montamedi (Southeast District)

FROM: Terri J. Chasteen
Hazardous Waste Compliance & Enforcement

DATE: 17Feb92

SUBJECT: Transfer Facility Notification
Transporter: Safety Kleen
Location: Medley + Boynton Beach

The transporter named above has submitted a Transfer Facility Notification form (DER Form 17-730.900(6)) to the Department. A copy of the notification form is attached.

If you have any objections to approving this facility as a transfer facility, please send your comments to me within twenty (20) days.

Thank you for your assistance. If you have any questions, please call me at SC 278-0300.

why are They using Illinois ID No. shouldn't This be Florida No.?!

Saadi,
No objections for Boynton Beach, however, Medley facility is not yet constructed, transfer facility operations Could not commence until facility is certified to operate under Construction Permit (modification)
Boy

safety-kleen®

SAFETY KLEEN CORPORATION
ENVIRONMENTAL HEALTH AND SAFETY DEPT.
Facsimile Transmittal

DATE: 2/4/92 **TIME:** 3:05 PM

NO. OF PAGES INCLUDING COVER: 7

FROM: Victor L. San Agustin, P.E.
Regional Environmental Engineer
Tampa Region

tel (813)682-1176 fax (813)682-9793

TO: Robert Kukleski fax (407) 433-2666
Terri Chasteen fax (904) 922-4939

SUBJECT: Transfer Facility Notifications for Medley and Boynton Beach Branches.

COMMENTS: Enclosed are the completed TF forms.
Any questions, please call.

Florida Department of Environmental Regulation
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400
Lawton Chiles, Governor
Carol M. Browner, Secretary

June 25, 1991

Ms. Ellen J. Jurczak
Environmental Permits Manager
Safety Kleen
777 Big Timber Road
Elgin, Illinois 60123

RE: Transfer Facility Status Request
Boynton Beach Facility (FLD 984 167 791)

Dear Ms. Jurczak:

The Department received your May 24 request for Transfer Facility status at the Boynton Beach facility. Your request to operate this facility as a transfer facility (storage of hazardous waste for ten days or less) is denied.

According to Specific Condition 8(c) of the Construction Permit HC 50-151555, "The permittee may not commence storage of hazardous waste at the facility until the Department has issued an Operation Permit to the facility." No wastes may be stored at the facility until the Construction Permit has been modified to allow storage or the Operation Permit has been issued. The Transfer Facility designation will not be granted in lieu of modifying the Construction Permit.

"Transfer facility", as defined in 40 CFR 260.10, and adopted by reference in Florida Administrative Code 17-730, means "any transportation related facility including loading docks, parking areas, storage areas, and other similar areas where shipments of hazardous waste are held during the normal course of transportation". 40 CFR 263.12 allows transporters to store hazardous waste up to ten (10) days. This holding period is provided mainly as a cushion for transporters who may encounter transportation problems due to weather or scheduling. It was never the intent of the regulations to allow transporters to circumvent the requirements imposed on storage facilities during the permitting process.

Recycled Paper

Once the Construction Permit has been modified to allow the storage of hazardous waste at this facility prior to issuance of the Operation Permit, or the Operation Permit has been issued, the facility may notify as a transfer facility. The area used for the temporary storage of wastes must be separate from the permitted storage areas. Unpermitted wastes cannot be managed in areas designated for the storage of permitted wastes. A closure plan must be submitted to address the transfer facility storage area.

If you have any questions please call Mr. Knox McKee in the Southeast District office (407/433-2650).

Sincerely,

Satish Kastury
Environmental Administrator
Hazardous Waste Regulation Section

SK/mh

cc: Alex Pavda, Southeast District
Deborah Green, Safety-Kleen
Cindy Norton, ERM-South

MEETING ATTENDANCE

DATE: 1/14/92

COMPANIES: SAFETY-KLEEN

AGENCIES: FDER

NAME	REPRESENTING	TELEPHONE NO
TIMOTHY GRAY	FDER / HAZ WASTE / COMPL. ENF.	407/433-2650
Victor L. San Agustin	Safety-Kleen	(813) 682-8094
Cynthia Norton	ERM-South / Safety-Kleen	813-622-8727
V. Kamath	FDER / Waste Programs	407/433-265(
Robert Kuklesk1	DER / Hazardous Waste	(407)433-2650
SAADI MOTAMEDI	DER / " "	" " "
KUCK MCKEE	-- --	--

MIAMI TO MEDLEY TRANSITION
Planned Sequence of Action Items and Time Deadlines

a. **Jan. 15, 1992**

Dade County and the City of Medley are expected to issue building permits by this date. We cannot initiate physical construction until these are issued.

b. **Jan. 18, 1992**

This is the 180th day prior to the July 15 expiration date. Remediation Section submits closure permit application.

c. **Feb. 1, 1992**

Victor is to submit a Major Permit Modification request on the Medley Part B construction permit by this date. Purpose of the request is to accomplish the listed items below.

CLASS 1 ADMINISTRATIVE

i. Allow Medley to operate under the construction permit. A current permit condition allows operation only after issuance of the operating permit, which is expected in very late 1992 or early 1993.

We prefer to handle this particular request separately, similar to our recent request to extend Medley's construction permit.

ii. Include construction of a 20,000 gal waste antifreeze tank.

iii. Include TCLP wastes.

iv. Include FRS wastes as a permitted waste stream..

v. Other minor changes. Removing references to container colors, including new dumpster/barrel washers.

An expeditious review and processing of this major modification is requested.

d. **Jan 15 to April 15, 1992**

Branch Construction builds the hazardous waste modules in the facility and completes construction of all facility features listed in items i. to v. below.

i. All hazardous waste management areas; i.e., tank farm, return fill shelter, drum storage areas, high level alarms, and all other safety equipment proposed in the Part B. The side of the warehouse which houses the waste drums should be completed prior to the P.E. inspection.

ii. All features described in the Contingency Plan; i.e., emergency/spill response equipment in all hazardous waste management areas, fire extinguishers, emergency eyewash, etc.

iii. All stormwater control features; i.e., drainage systems, stormwater holding ponds, etc.

iv. All security features; i.e., fences, gates, hazardous waste signs and all other signs specified in the permit.

v. Any other features in the facility which the P.E. deems will ensure protection of S-K personnel and public health and welfare.

Consultant P.E. performs post-installation waste tank system integrity assessment inspection and completes report by this date. Assessment will be conducted before Certificate of Occupancy is issued.

Consultant P.E. performs site inspection. P.E. certifies completion of construction and checks to ensure everything on site is consistent with the Part B permit. Victor submits consultant's certifications to SE-FDER.

Submittal includes request for FDER inspection. Submittal also requests approval to start placing wastes in the drum and tank storage areas.

All of the above should be already complete prior to the P.E.'s site visit.

e. April 15 to June 15, 1992

Branch Construction completes construction of the remainder of the facility and then obtains Certificate of Occupancy.

SE-FDER performs inspection. Assuming no inconsistencies, SE-FDER issues letter allowing us to start placing wastes in the HW management units in Medley.

f. June 15 to July 15, 1992

Jorge Carvajal is notified of the letter in d. above and starts placing wastes in Medley. Jorge initiates transfer of waste operations from Miami to Medley.

Having to truck wastes to Boynton Beach is not expected if the above timelines are strictly met. If we cannot place wastes in Medley by July 15, S-K needs to transfer wastes (truck to truck transfer) somewhere. The receiving truck would then ship the wastes to Boynton Beach branch.

g. July 15, 1992

Last day of operation in Miami. There must be no picked-up hazardous wastes entering or left inside Miami's property beyond this date unless FDER changes its position.

h. July 19, 1992

Victor submits operating permit application for Medley. Medley construction permit expires December 1, 1992. Operating permit application must be submitted by above date as per permit condition.

This closed loop supplies Safety-Kleen with most of its solvent requirements; the resultant stabilized cost benefits are passed on to its customers. Ownership of the solvent remains with Safety-Kleen; the service center managers are accountable for the quantities of clean and used solvents handled by their branch operations. The service center is basically a temporary storage and transfer facility. By FDER definition, however, these centers are considered to be the waste generator.

Safety-Kleen also provides a dry cleaning waste reclamation service where containers of dry cleaning wastes (chlorinated) are collected and stored temporarily at the service centers before shipment to the recycle centers for reclamation and residue disposal.

In addition, Safety-Kleen provides a paint waste reclamation service. Wastes containing various thinners and paints are collected in containers and are stored at the service centers. These wastes are periodically shipped to a reclaimer, and the regenerated solvent is distributed to Safety-Kleen customers for use as a product.

Fluid Recovery Services (FRS) is a program managed by the Safety-Kleen Service Centers. Under this program, waste types similar to the FRS wastes provided by Safety-Kleen are collected by the service center and processed by the recycle centers. The FRS wastes will be managed as transfer wastes. The manifest will not be terminated at the service center. These wastes may or may not have originally been obtained from Safety-Kleen by the industrial customer. Examples of the types of waste that may be received from FRS customers include:

1. Spent hydrocarbon distillates, such as waste fuel, oil, petroleum, naphtha, etc.

2. Lubricating, hydraulic oils, and machine oils.

safety-kleen

VIA OVERNIGHT MAIL

RECEIVED
FEB 4 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

January 31, 1992

Mr. Robert Kukleski
Hazardous Waste Section
Florida Department of
Environmental Regulation
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406

RE: **Modification** to the Construction Permit Application, **Safety-Kleen Corp., Medley,** Florida; Permit No. HC13-175466; FLD #984171694

Dear Mr. Kukleski:

Enclosed is a major permit modification and the $15,000 modification fee for the Medley facility.

The major permit modification includes the following:

- ✓ Inclusion of a discussion of Fluid Recovery Service wastes which will be managed at the service center as transfer wastes;
- ✓ Inclusion of a 20,000-gallon spent ethylene glycol tank;
- ✓ Inclusion of TCLP;
- ✓ Inclusion of the new dumpster/barrel washers;
- ✓ Removal of references to color of containers;
- ✓ Removal of references to container sizes except in the container management section;
- ✓ Replacement of the Sika-Gard coating with Semstone or equivalent; and

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

- Variations in dimensions and capacities between the final engineering drawings and the permit application as noted by Questec Corp., the construction contractor.

As has been previously discussed with FDER, Safety-Kleen has submitted detailed engineering plans to the appropriate building and permitting agencies in Dade County. Safety-Kleen is awaiting approval from the necessary agencies to commence construction.

If you have any questions or comments, please contact me at 813-682-8094.

Sincerely,

Victor L. San Agustin

Victor L. San Agustin, P.E.
Regional Environmental Engineer
Tampa Region

pjh/ksc

c: Cynthia Norton - ERM

bc: Jorge Carvajal
C. McCord - SK Eastern Division Mgr. (letter only)
J. Krevic - SK Construction
F. Stockbarger
Part B File - Elgin

INSTRUCTIONS FOR UPDATING THE CONSTRUCTION PERMIT APPLICATION FOR MEDLEY, FLORIDA

A new document (application) is being provided; however, some items from previous submittals need to be incorporated into this new document.

Sub-Attachment I.B.4-1 is the Surface Water Management Plan submitted November 8, 1990.

SOUTHEAST DISTRICT PERMIT PROCESSING WORKSHEET

LOGGING

NAME OF PROJECT: Safety-Kleen / Medley

PROJECT LOG NO. HC 13-208066 COUNTY Dade

DATE APPLICATION RECEIVED 2/4/92 30-DAY (HW 60-DAY) DATE 3/4/92

AMOUNT OF FEE PAID $ 15,000.00 COPIES OF PLANS _____

COPIES OF APPLICATION _____ COPIES OF SPECIFICATIONS _____

COPIES TO: CORPS__; LOCAL PROGRAM__; TALLAHASSEE__;DNR__;OTHER__

PERMIT REVIEW

PERMIT ASSIGNED TO McKee, Knox AMOUNT OF FEE REQ'D $_____

DISCHARGE TO OR LOCATED IN AQUATIC PRESERVE: Yes__ No __ N/A ___

PERMIT STATUS AND CHRONOLOGY

DATE	REVIEWER'S INITIALS	COMMENTS

(continue on reverse side)

FIELD INSPECTION BY: _____ DATE _____; N/A _____

WATER MANAGEMENT COMMENTS (DATE) _____; N/A _____

LOCAL PROGRAM APPROVAL (DATE) _____; N/A _____

GPSI, APIS, OR PWS UPDATE DRAFTED: Yes _____ ; N/A _____

PUBLIC NOTICE LETTER ISSUED/PUBLISHED (DATES) _____ ; N/A _____

APPLICATION COMPLETION DATE _____ > DEFAULT DATE _____

>> D.A.S. 90+ DAYS INACTIVITY AUTHORIZATION: _____OK ____DENY <<

COMMENTS: _____

PERMIT, EXEMPTION, DENIAL DRAFTED BY: _____ DATE: _____

INTENT: PROGRAM HEAD _____ PROGRAM ADM. _____

FINAL DRAFT REVIEWED BY: _____ DATE: _____

FINAL DRAFT APPROVED BY: _____ DATE: _____

****

FINAL PROCESSING

DISTRIBUTION BY: _____ DATE: _____

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safety-kleen®

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DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

January 3, 1991

Mr. Robert Kukleski
Hazardous Waste Section
Florida Department of Environmental
Regulation - Southeast District
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406

RE: Major Permit Modification
for Medley Facility Permit HC13-175446
EPA ID No. FLD 984 171 694

Dear Mr. Kukleski:

As discussed in a phone conversation with you last December 23, 1991, the purpose of this letter is to inform you regarding when we plan to submit the above referenced permit modification.

In a December 3, 1991 letter, we informed Mr. McKee we would submit the modification by December 31, 1991. The application has been completed but we are still in the process of obtaining the $15,000 permit application fee. We expect to submit the modification with the fee to your office no later than February 21, 1992.

If you have any questions, please call me.

Sincerely,

Victor L. San Agustin

Victor L. San Agustin, P.E.
Regional Environmental Engineer
Tampa Region

cc: Satish Kastury, BWPR
James Kutzman, USEPA IV

129 S. KENTUCKY AVE, SUITE 701 LAKELAND, FL 33801 PHONE 813/682-8094 F

Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406

Lawton Chiles, Governor

Telephone: 407/433-2650
Fax: 407/433-2666

Carol M. Browner, Secretary

DEC - 5 1991

Mr. Scott E. Fore
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60123

Dade County
HW-Safety-Kleen/Medley

Re: Modification of Permit, Permit Number: HC13-175466;
Hazardous Waste Storage Facility Construction Permit

Dear Mr. Fore:

We are in receipt of your request for a modification of your permit expiration date per your letter dated December 3, 1991. Accordingly, the expiration date is changed as follows:

FROM:

March 1, 1992

TO:

December 1, 1992

This letter must be attached to the original permit and becomes part of that permit.

Recycled Paper

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from the receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Regulation at 2600 Blair Stone road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal proceeding pursuant to Section 120.57(1) is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and orders, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for hearing within the fourteen day period described above. Failure to file a request for hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

Sincerely,

J. Scott Benyon
Director of District Management

JSB:km:gml/980.11

cc: Satish Kastury, DER/Tallahassee
James Scarbrough, EPA/Atlanta
DERM
Tim Grey, DER/WPB
File, Report Coordinator

December 3, 1991

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DEC 4 1991
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VIA FACSIMILE AND FEDERAL EXPRESS MAIL

Mr. Knox McKee
Florida Department of
Environmental Regulation
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406

RE: Safety-Kleen Corp., Medley, Florida; Permit No. HC13-175466

Dear Mr. McKee:

This letter is to inform the Florida Department of Environmental Regulation (FDER) of Safety-Kleen Corp.'s intention to submit a major permit modification for the Medley facility to FDER before December 31, 1991.

The major permit modification will include the following:

- Provision to allow operation under the construction permit while the operating permit application is under review; ✓
- Inclusion of industrial solvents (FRS wastes) as a permitted waste stream; ✓
- Inclusion of a 20,000-gallon spent ethylene glycol tank; ✓
- Inclusion of TCLP; ✓
- Inclusion of off-specification perchloroethylene as a waste stream;
- Inclusion of the new dumpster/barrel washers; ✓
- Removal of references to color of containers; ✓

13112.21/TSK10/01/KM120391.LTR/2

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

- Removal of references to container sizes except in the container management section; ✔
- Replacement of the Sika-Gard coating with Semstone or equivalent; and ✓
- Variations in dimensions and capacities between the final engineering drawings and the permit application as noted by Questec Corp., the construction contractor.

As has been previously discussed with FDER, Safety-Kleen has submitted detailed engineering plans to the appropriate building and permitting agencies in Dade County. Safety-Kleen is awaiting approval from the necessary agencies to commence construction.

In light of the fact that Safety-Kleen has been unable to commence construction, it has not been feasible to develop an operating permit application for this facility 90 days prior to the construction permit expiration date of March 1, 1992. Safety-Kleen is hereby requesting a nine-month extension on the expiration date of the construction permit. This will result in a new expiration date of December 1, 1992. The $15,000 permit modification fee will be provided with the major modification package.

Safety-Kleen will submit a complete operating permit application to FDER as soon as the facility is constructed. It is necessary for the facility to be constructed prior to the submittal of the operating permit application, so that all dimensions, physical conditions (coatings, tank integrity, dumpster integrity, etc.) can be verified.

If you have any questions or comments, please contact me at 813-682-8094.

Sincerely,

Victor L. San Agustin

Victor L. San Agustin, P.E.
Regional Environmental Engineer
Tampa Region

VLS/mmm/pjh

c: Cynthia Norton - ERM

bc: J. Krevic - SK Construction
C. McCord - SK Eastern Division Mgr.
SK Eastern Division Permit Writer
Part B File

ERM-South, inc.

9501 Princess Palm Avenue, Suite 100 • Tampa, Florida 33619 • (813) 622-8727 • Fax (813) 621-8504
8181 N. W. 36th Street, Suite 20 • Miami, Florida 33166 • (305) 591-3076
777 Yamato Road, Suite 130 • Boca Raton, Florida 33487 • (407) 241-1752

Reply To: Tampa Office

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WEST PALM BEACH

August 19, 1991

Project No. 13112.21

Mr. Knox McGee
Florida Department of
Environmental Regulation
Southwest District
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406

RE: Construction Permit - Medley, Florida - HC13-175466

Dear Mr. McGee:

Per our discussion on August 8, 1991, Safety-Kleen will use the following procedure to comply with Specific Condition No. 2 of the construction permit HC13-175466.

Safety-Kleen will contract with a professional engineer registered in Florida to do the detailed design of the facility and to inspect the facility during construction. This same engineer, upon completion of construction, will inspect for conformity of the constructed site to the permit application and additional information that has been submitted and will provide a certification letter to FDER addressing the same.

In addition to clarifying Specific Condition No. 2, we also discussed a three- to six-month extension to the expiration date. You indicated that as long as Safety-Kleen was actively pursuing construction of the facility, the Agency would be amenable to a permit extension. As I indicated, Safety-Kleen will most likely pursue a permit extension after the plans are completed and have been submitted to Dade County for issuance of building permits.

An affiliate of The Environmental Resources Management Group with offices throughout North America

I appreciate the attention you have given to these matters and look forward to continuing to work with you.

Sincerely,

Cynthia H. Norton
Project Manager

bai

c: E. Jurczak - Safety-Kleen
M. Hlebasko - Safety-Kleen
J. Krevic - Safety-Kleen
J. Hartline - Safety-Kleen

The ERM Group

Florida Department of Environmental Regulation

Twin Towers Office Bldg. ● 2600 Blair Stone Road ● Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

June 24, 1991

Mr. James H. Scarbrough, P.E., Chief
Waste Management Division
U.S. Environmental Protection Agency
Region IV
345 Courtland Street
Atlanta, Georgia 30365

RE: RCRA Facility Assessment; FLD984171165 Safety Kleen - Sanford,
FLD984171694 Safety Kleen - Medley

Dear Mr. Scarbrough:

In accordance with our Memorandum of Agreement and the Workplan, enclosed are the copies of the RFA's for the Sanford and Medley Safety Kleen facilities. Our recommendation for these two sites is to identify the proposed units as SWMUs with no further action required.

Should you have any questions, please call me or John Griffin of my staff at (904) 488-0300.

Sincerely,

Satish Kastury
Environmental Administrator
Hazardous Waste Regulation

SK/do

cc: Bob Kukleski, DER/West Palm Beach
Bob Snyder, DER/Orlando

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JUN 27 1991
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WEST PALM BEACH

RCRA FACILITY ASSESSMENT

for

SAFETY KLEEN CORPORATION
East of NW 89th Avenue & 95th Street
Medley, Florida 33166

FLD 984 171 694

Prepared by: Florida Department of Environmental Regulation

Site Visit: John E. Griffin

Report Date

March 1991

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I. INTRODUCTION

The 1984 Hazardous and Solid Waste Amendments (HSWA) expanded the regulatory authority under the Resource Conservation and Recovery Act (RCRA) to allow for a RCRA corrective action program to clean up releases of hazardous waste or hazardous constituents from Solid Waste Management Units (SWMUs) or Areas of Concern (AOCs). This corrective action program applies to all facilities that have obtained a RCRA Part B Permit or are in the process of obtaining a RCRA Part B permit.

The RCRA corrective action program consists of three phases. The first phase involves the RCRA Facility Assessment (RFA) to identify releases or potential releases requiring further investigation. During the second phase, the extent of releases, if any, are fully characterized under the RCRA Facility Investigation (RFI). The Corrective Measure Study (CMS) is the final phase to determine the need for and extent of remedial measures. This step includes the selection and implementation of appropriate remedies for all releases identified. This report covers only the RFA portion of the corrective action program.

The RFA is subdivided into three stages and this includes a Preliminary Review (PR) which focuses primarily on evaluating any existing information about a facility. Based on this existing information a preliminary list of SWMUs and AOCs is determined. Following this review is a Visual Site Inspection (VSI) which entails a site visit to collect visual information and to obtain any additional evidences of releases from SWMUs or AOCs. If necessary, a Sampling Visit (SV) will be performed by obtaining sampling and field data to further evaluate any releases of hazardous waste or hazardous constituents to the environment. To summarize, the purpose of these three stages of this report is identify to SWMUs and AOCs and to assess the release potential of any hazardous constituent from these units.

This report summarizes information found during the PR of material from the State of Florida Department of Environmental Regulation (FDER) files and the VSI conducted by FDER staff at the proposed site of the Safety Kleen facility on February 19, 1991. According to the Construction Permit Application, Safety Kleen plans to operate a hazardous waste storage facility at the site. Waste materials would be stored in either tanks or containers for transport to off-site recycling or disposal facilities. There is no planned on-site disposal. There were two Solid Waste Management Units identified at the site during the PR and VSI. The two Solid Waste Management Units listed in this document are for the proposed RCRA storage units. No previous releases were reported in the file data or observed during the VSI.

A. Background

The Florida Department of Environmental Regulation (FDER) was directed under an agreement with the United States Environmental Protection Agency (EPA) to conduct a RCRA Facility Assessment (RFA) at the proposed Safety Kleen Facility in Medley, Florida. The purpose of an RFA is to:

(1) Identify and gather information on Solid Waste Management Units (SWMUs) or Areas of Concern at RCRA facilities;
(2) Evaluate SWMUs and AOCs for releases of hazardous waste or hazardous constituents; and
(3) Make determinations regarding releases of concern and further actions or screen from further investigation those SWMUs or AOCs which do not pose a threat to human health or the environment.

B. Facility History

The proposed site is located in the town of Medley, Florida, east of N.W. 89th Avenue and on 96th Street. Route 826 is the major access to the facility. Florida East Coast Railroad borders the northeast portion of property. The property is undeveloped land and is currently zoned M-1 (light manufacturing/industry).

On January 17, 1990, Safety Kleen submitted an application to FDER for a Hazardous Waste Construction Permit. The FDER issued a first notice of deficiency on March 26, 1990 and July 5, 1990 followed by a compliance schedule submitted September 17, 1990. Safety Kleen again responded on November 8, 1990 with a revised construction permit application. The FDER gave notice of its Intent to Issue the construction permit on December 7, 1990 subsequently issuing the permit on March 1, 1991.

C. File Search and VSI

The file search was performed at the FDER during the first week of February. The file search consisted of a desk top study of the RCRA files and a review of the files prepared by the Florida State Board of Conservation, Division of Geology. The purpose of the file search was to compile a list of SWMUs and AOCs including additional information about the proposed facility and a geology of the site.

The VSI was conducted on February 19, 1991 by John Griffin of the FDER. Two other representatives of the FDER who participated in the VSI were Bob Kukleski and Knox McKee. There were no EPA or facility representatives present. The purpose of the VSI was to verify the findings of the file review, evaluate any releases of hazardous waste or hazardous constituents at SWMUs or AOCs and to collect any information necessary to complete this report.

D. Waste Generation

According to the Construction Permit Application, Safety Kleen plans to operate a hazardous waste storage facility at the proposed site. A site plan of the proposed facility is provided in Figure 1. The facility will have a capacity to store wastes in containers and tanks.

1. Container Storage Facility:
   Safety Kleen would operate the storage facility within a building specifically designed for hazardous waste management. The proposed container storage building would have a drum storage capacity of 6,912 gallons. The dimensions of the building will be 80 feet wide by 50 feet long. All waste materials would be stored and subsequently sent to a reclaimer. The wastes that can not effectively reclaimed will be sent to a licensed facility for disposal. All drummed waste materials will be stored in Department of Transportation (DOT) acceptable containers in such a manner that detrimental co-mingling will be prevented. The containers will store mineral spirit dumpster sediments (D001/D006/D008), immersion cleaner (F002/F004), dry cleaning waste (F002), and paint waste (F003/F005/D001/D006/D007/D008) in various size drums.

2. Tank Storage Facility:
   Safety Kleen proposes to build two tank farms each containing six aboveground tanks. These tank farms will include six 20,000 gallon aboveground steel tanks. One tank is designated to store used mineral spirits (D001/D006/D008), another tank will be used to store mineral spirit product, three tanks will store non-hazardous waste oil, and one tank will be storing perchloroethylene product. All tanks are vented at the top to prevent pressure buildup. All tanks are underlain by a 55 feet wide by 39 feet long, six-inch concrete slab surrounded by a 2 foot concrete dike. The dike will be sealed with a chemical resistant coating.

E. Demographics and Environmental Setting

1. Population:
   The proposed Safety Kleen site is located in Medley, Florida which is in Dade County. It is east of N.W. 89th Avenue and on 96th Street. Route 826 is the major access road to the facility. The population in 1980 for Dade County was 1,625,000. The largest populated city in Dade County is Miami with an population in 1980 of 346,931. Medley has an population in 1980 of 587. (Reference 4).

2. Climate:
   The climate in Dade County is subtropical. Average daily temperatures range from about 82° F in the summer to about 68 °F in the winter. The average precipitation in Southeastern Florida is 59 inches. About 70 percent of the precipitation falls during the months of June through October. (Reference 5).

3. Physiography:

The town of Medley lies on the sandy flatlands situated between the Everglades and the Atlantic Coastal Ridge. Altitudes are around six feet above sea level. The site is located in Flood Zone AH designated by the Federal Emergency Management Agency. Zone AH is a special flood hazard area subject to inundation by the 100-year shallow flooding. The lowest finished floor elevation will be 6.7 feet above sea level which is the cities flood criteria for building in this flood zone. (References 3 and 5).

4. Geology:

A generalized geologic cross-section is shown in Figure 4. The geology of the region is summarized in Reference 5 as follows:

The uppermost portion of the geologic deposits consist of recent organic soils and marls from the Pleistocene and Recent Age. The organic soils consist of peat and muck while the marl consist of white to grey calcereous mud rich with shells.

Underlying these deposits are the Miami Oolite from the Pleistocene Age. The Miami Oolite is typically a white to yellowish massive crossbedded oolitic limestone containing varying amounts of sand, usually in solution holes. Lying below the Miami Oolite is the Fort Thompson formation of the same Pleistocene Age. This formation ranges from sea level to 50 feet below sea level. The Fort Thompson formation is predominantly light grey to cream, fossiliferous, marine, sandy limestone and calcareous sandstone, with a few thin beds of grey and tan fresh water limestone. The entire section has been subjected to solution by groundwater, and the result is a cavity-riddled mass of permeable rock. Below the Fort Thompson formation lies the Tamiami formation from the Miocene age. The Tamiami formation in this area consists of permeable sandstone.

5. Groundwater:

The hydrology of the region is summarized in Reference 5 as follows:

Groundwater in Dade County occurs in the Biscayne aquifer. All the water that recharges the Biscayne aquifers is derived from local rainfall. The Biscayne aquifer is generally unconfined and generally conforms to the topography, being at higher elevations under hills and lower elevations under valleys. Discharge from the Biscayne aquifer occurs by groundwater flow into the canals, Atlantic Ocean, Biscayne Bay, by evapotranspiration or by pumping. Major fluctuations of the water table are caused by recharge and natural or artificial discharge. The magnitude of water-level fluctuation during any one year can vary from 2 to 8 feet, depending upon the amount and distribution of rainfall in the area.

One of the most troublesome mineral constituents in water from the Biscayne aquifer is iron. There is no apparent consistency in the amount of iron present in the groundwater so therefore predictions can not be made as to the localities at which water will have a high content of dissolved iron.

F. Exposure Potential

1. Target Populations: Since this area is currently unpopulated and is planned to be used for industrial purposes, the threat to human health is very low. The health risk on animal populations is unknown, but is also expected to be low.

2. Receptor Information: Since there are no waste operations at this facility, the release potential is nonexistent at this time.

III. SWMU AND AOC DESCRIPTIONS

See Figure 3 for the Solid Waste Management Unit Summary. Appendix II consists of the VSI photo log.

IV. SUMMARY AND RECOMMENDATIONS

Two Solid Waste Management Units exist at this site and these units are the proposed container and tank storage units. No further action should be taken at this time.

V. LIST OF REFERENCES

1. Safety Kleen Corporation - Construction Permit Application dated January 17, 1990.

2. FDER First Notice of Deficiency dated March 26, 1990.

3. Safety Kleen Corporation - Revised Construction Permit Application dated November 8, 1990.

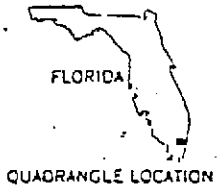
4. 1990 - 1991 Florida Almanac.

5. Florida Geological Survey, Report of Investigations NO. 17 by U.S. Geological Survey.

VI. FIGURES

FIGURE 3

EXHIBIT I.B. 3-1



QUADRANGLE LOCATION

HIALEAH, FLA.

N2545—W8015/7.5

1962

PHOTOREVISED 1969

AMS 4935 IV SE-SERIES V847

SCALE 1:24 000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

CONTOUR INTERVAL 5 FEET

DATUM IS MEAN SEA LEVEL

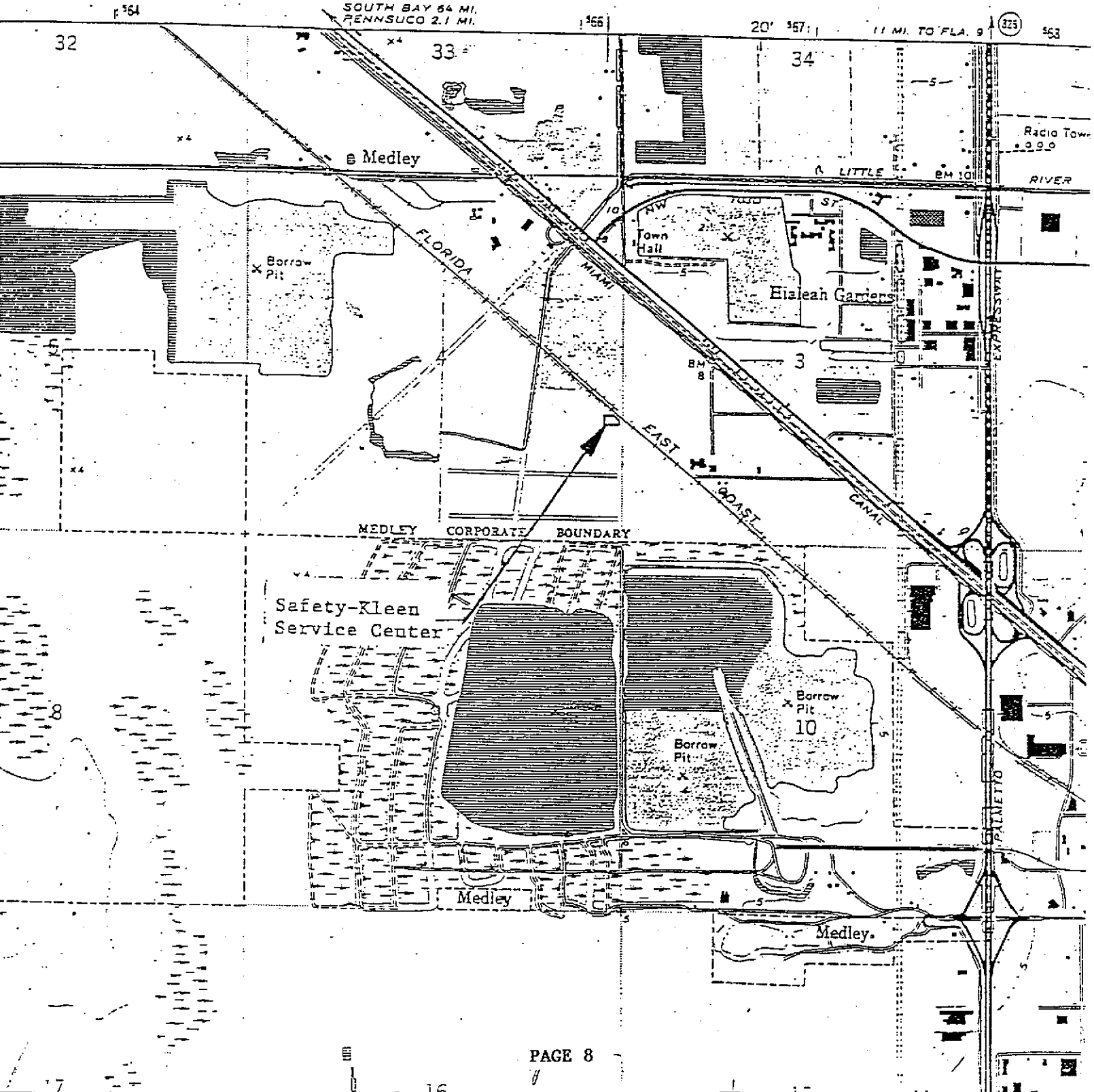
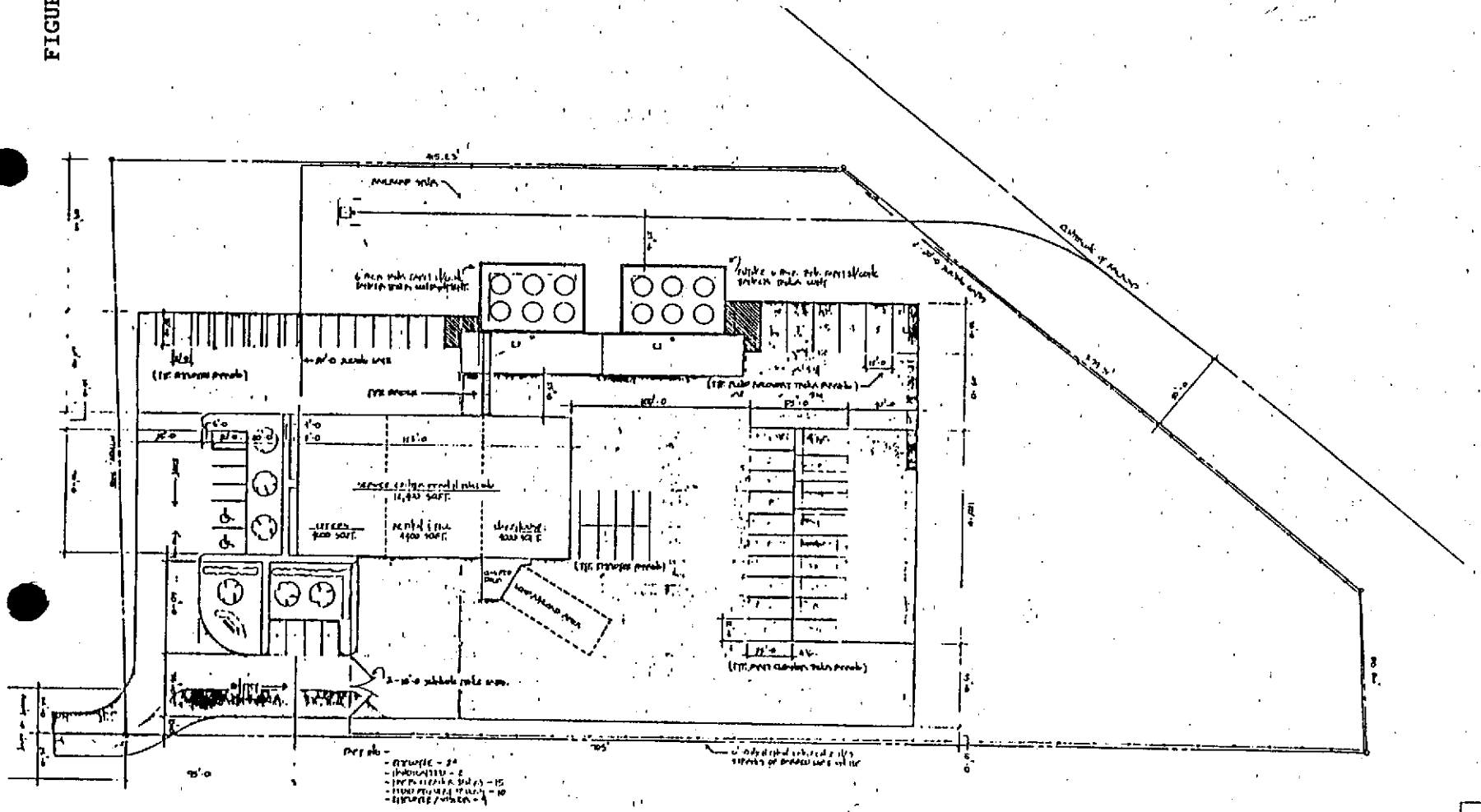


FIGURE 2



SITE PLAN

SITE PLAN

SAFETY-KLEEN CORP.

SAFETY KLEEN CORPORATION
SANFORD FACILITY
FLD 984 171 165

FIGURE 3

SWMU IDENTIFICATION SUMMARY

SWMU No.	Type of Unit	Years Op.	Waste Managed	Pollutant Migration Pathways	Evidence of Release	Exposure Potential	Recommendation				
							Interim Measures Needed	RFI	NFA	Further Assess-ment	
*1	Containers	NONE	NONE	NONE	NONE	NONE			X		
*2	Tank	NONE	NONE	NONE	NONE	NONE			X		

* - RCRA UNITS

FIGURE 4

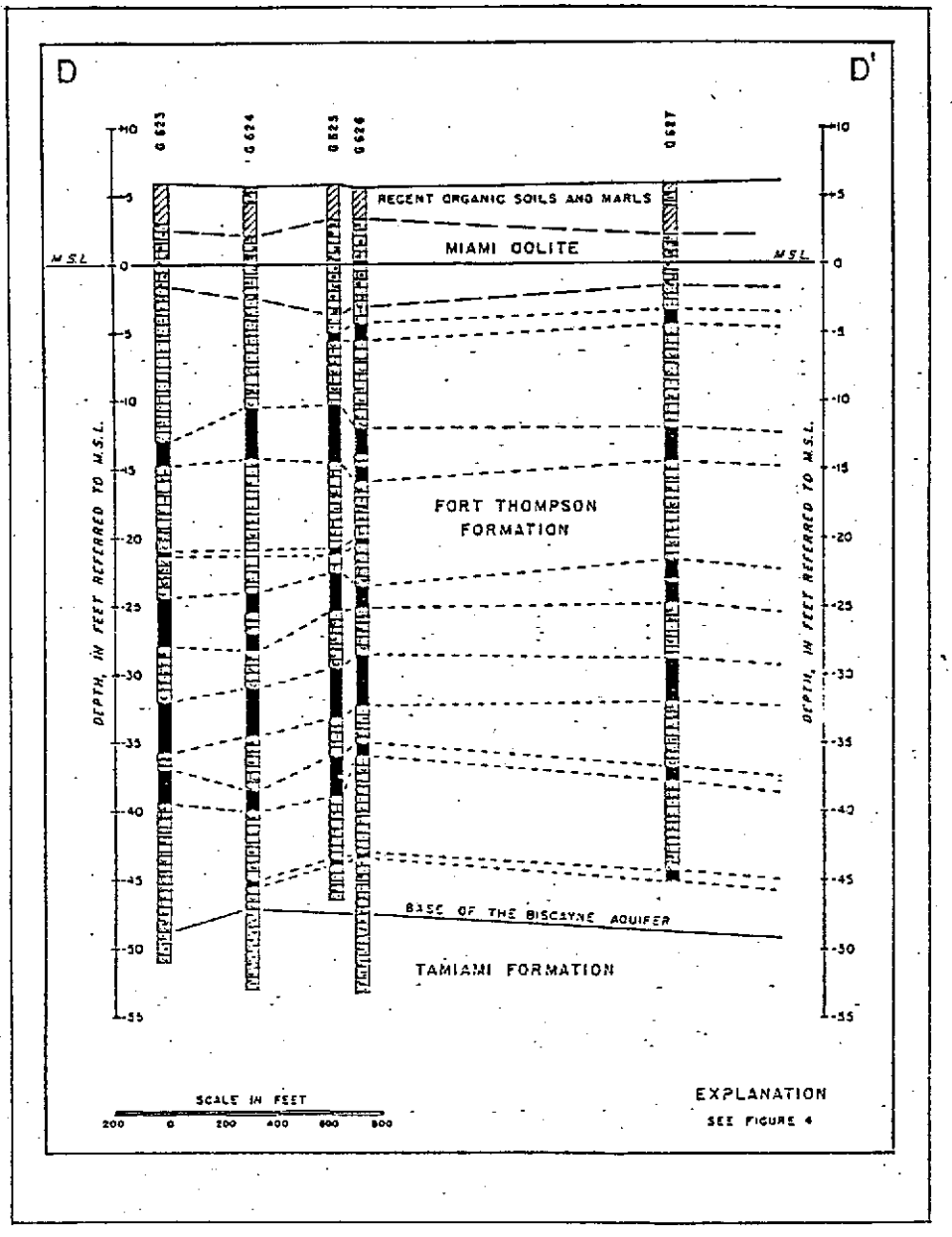


Figure 8. West-east geologic cross section near Krome Avenue at Tamiami Trail.

limestones, at slightly lower elevations, which are probably a continuation of this zone. A similar situation may be true of the wells south of G 653, although these limestones are generally at slightly higher elevations.

LATE CENOZOIC FORMATIONS OF DADE AND BROWARD COUNTIES

Age	*Formation*	*Characteristics*	*Thickness (feet)*
Recent and Pleistocene	Soils	Peat and muck; laterite.	0-12
	Lake Flirt marl	White to gray calcareous mud, rich with shells of *Helisoma* sp., a fresh-water gastropod. In some places casehardened to a dense limestone. Relatively impermeable.	0-6
Pleistocene (Formations are contemporaneous in part)	Pamlico sand	Quartz sand, white to black or red, depending upon nature of staining materials, very fine to coarse, average medium. Mantles large areas underlain by Miami oolite and Anastasia formation.	0-40
	Miami oolite	Limestone, oolitic, soft, white to yellowish, containing streaks or thin layers of calcite, massive to crossbedded and stratified; generally perforated with vertical solution holes. Fair to good aquifer.	0-40
	Anastasia formation	Coquina, sand, calcareous sandstone, sandy limestone, and shell marl. Probably composed of deposits equivalent in age to marine members of Fort Thompson formation. Fair to good aquifer.	0-120
	Key Largo limestone	Coralline reef rock, ranging from hard and dense to soft and cavernous. Probably interfingers with the marine members of the Fort Thompson formation. Crops out along southeastern coast line of Florida from Soldier Key in Biscayne Bay to Bahia Honda. Excellent aquifer.	0-60
	Fort Thompson formation	Alternating marine, brackish-water and fresh-water marls, limestones, and sandstone. A major component of the highly permeable Biscayne aquifer of coastal Dade and Broward counties, which yields copious supplies of ground water.	0-150
Pliocene	Caloosahatchee marl	Sandy marl, clay, silt, sand, and shell beds. Yields ground water less abundantly than most other parts of the Biscayne aquifer.	0-25
Miocene	Tamiami formation	Cream, white, and greenish-gray clayey marl, silty and shelly sands, and shell marl, locally hardened to limestone. Upper part, where permeability is high, forms the lower part of the Biscayne aquifer. Lower and major part of formation is of low permeability and forms the upper beds of the aquiclude that confines water in the Floridan aquifer (Ocala and associated limestones) below.	0-100

VII. APPENDICIES

APPENDIX I

SWMU DATA SHEET

Page 1 of 2

SWMU NUMBER: 1 PHOTO NUMBER:

NAME: Container Storage Area Inside Service Center

TYPE OF UNIT: Containers

PERIOD OF OPERATION: None

PHYSICAL DESCRIPTION AND CONDITION:

Will hold 6,912 gallons of waste inside of the main building (i.e. - service center).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED:

- D001, D006, D007, D008, F002, F003, F004, F005.

RELEASE PATHWAYS: Air ( ) Surface Water ( ) Soil ( )

*NONE Groundwater ( ) Subsurface Gas ( )

HISTORY AND/OR EVIDENCE OF RELEASES(S): NONE

RECOMMENDATIONS:

No Further Action	(X)
RFA Phase II Sampling	( )
RFI Necessary	( )

REFERENCES: See Figures 1 and 3.

COMMENTS: *When fully constructed, this unit will be totally enclosed in a building and surrounded by a berm. Therefore, no release pathways are evident.

Project Name: Safety Kleen Date: February, 1991

SWMU DATA SHEET

SWMU NUMBER: 2 PHOTO NUMBER:

NAME: Tank Storage Area Inside Tank Farm Building

TYPE OF UNIT: Tank

PERIOD OF OPERATION: None - Area under construction during the VSI.

PHYSICAL DESCRIPTION AND CONDITION:

Six - 20,000 gallons steel tanks: Two product tanks, one waste tank and three waste oil tanks within an enclosed bermed area.

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED:

- D001/D006/D008

RELEASE PATHWAYS: Air ( ) Surface Water ( ) Soil ( )

*NONE Groundwater ( ) Subsurface Gas ( )

HISTORY AND/OR EVIDENCE OF RELEASES(S): NONE

RECOMMENDATIONS:
No Further Action (X)
RFA Phase II Sampling ( )
RFI Necessary ( )

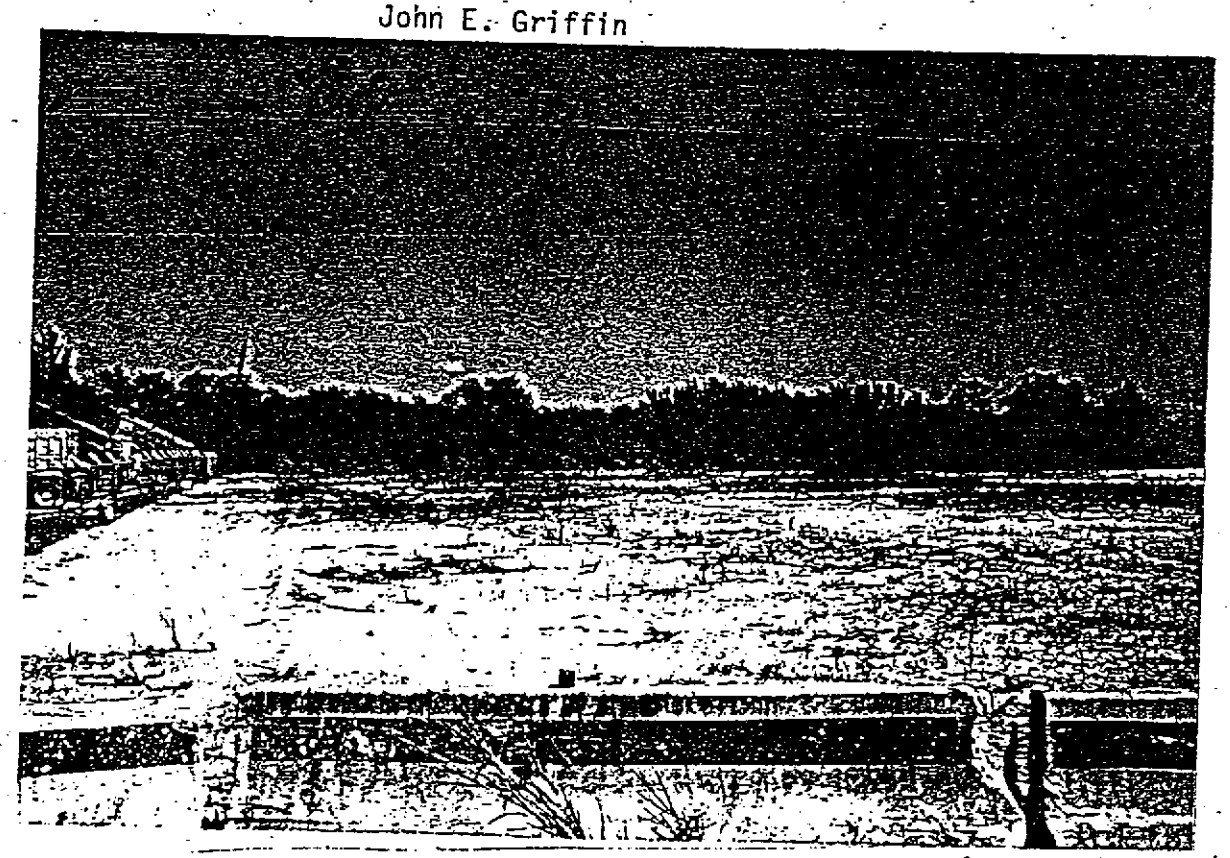
REFERENCES: See Figures 1 and 3.

COMMENTS: *When fully constructed, this unit will have secondary containment . Therefore, no release pathways are evident.

Project Name: Safety Kleen Date: February, 1991

APPENDIX II

1. Facility Site
looking east from the southwest corner
2-19-91
John E. Griffin



2. Facility Site
looking west from the northeast corner
2-19-91
John E. Griffin

3. Facility Site
looking north from the southwest corner
2-19-91
John E. Griffin

ERM-South, inc.

9501 Princess Palm Avenue, Suite 100 • Tampa, Florida 33619 • (813) 622-8727 • Fax (813) 621-8504
8181 N. W. 36th Street, Suite 20 • Miami, Florida 33166 • (305) 591-3076
777 Yamato Road, Suite 130 • Boca Raton, Florida 33487 • (407) 241-1752

Reply To: Tampa Office

May 2, 1991

Project No. 13112.21, Task 10

RECEIVED
MAY 6 1991
Dept. of Environmental Reg.
West Palm Beach

Mr. Knox McKee
Florida Department of
Environmental Regulation
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406

RE: Safety-Kleen Corp.--Medley, Florida Facility, Construction Permit No. HC13-175466

Dear Knox:

At the request of Mr. Bob Schneider, Florida Department of Environmental Regulation (FDER) Orlando, Environmental Resources Management-South, Inc. (ERM) is submitting Part II.P of the Hazardous Waste Facility Permit Application form for the above-referenced facility. This section has been certified by Mr. Scott E. Fore, Vice President of Safety-Kleen Corp., and we are also including certification pages (page 27 of 27) as well. We have provided six copies as requested.

We experienced a delay in obtaining the land owner's certification and I apologize for any inconvenience this may have caused you.

If you have any questions concerning this information, please do not hesitate to contact Ms. Melissa Hlebasko, Safety-Kleen Corp.'s environmental permits writer (1-800-669-5740), Ms. Cynthia Norton at ERM, or me.

Sincerely,

Frederick W. Blickle

Frederick W. Blickle, P.E.
Senior Engineer

pjh

Enclosure(s)

cc: Melissa Hlebasko - S-K, Elgin
Cynthia Norton - ERM

An affiliate of The Environmental Resources Management Group with offices throughout North America

The ERM Group

DER Form # 17-730.900(2)
Form Title Ap. for a Hazardous Waste Facility Permit
Effective Date July 3, 1989
DER Application No. _____ (Filled in by DER)

N. Research, Development and Demonstration

1. The applicant should submit a letter to the Department summarizing the proposed research prior to submitting the formal application so that the Department may, in accordance with 17-730.330(2), determine if any of the requirements of the application can be waived. This letter should contain:
   a) The purpose of the research;
   b) An explanation of why the research is innovative and experimental; and
   c) A summary of the research objectives.
2. As part of the formal application, the applicant should submit the following information:
   a) The purpose of this project.
   b) An explanation as to why the proposed activity is experimental and innovative..
   c) A general description of the proposed activity.
   d) The estimated time of operation for the experimental activities.
   e) Any information on the expected performance of the unit.
   f) A description of performance data that may have been previously generated from the operation of the unit.
3. Monitoring and inspection requirements should be established at a level consistent with the proposed activity in order to assure protection of human health and the environment.
4. Reporting and record keeping should be proposed in a manner which will sufficiently provide the Department with data about the operating efficiency of the RD&D activity. Time frames for the submission of data should be proposed and should be at a frequency adequate to allow proper department oversight of the experimental activity.
5. Personnel qualifications should be given and be consistent with the proposed experimental activity. The personnel responsible for conducting and managing the experimental testing should be technically competent to assure that any situations which arise as a result of the experimental activity will be properly handled.
6. A closure plan should be prepared in accordance with the appropriate sections of Part II of this application.

O. Exposure Information (§270.10(j))

The applicant must provide the following information, if the facility has a surface impoundment, miscellaneous units, or a landfill:

1. Reasonably foreseeable potential releases from both normal operations and accidents at the unit, including releases associated with transportation to or from the unit.
2. The potential pathways of human exposure to hazardous wastes or constituents resulting from the release described under Paragraph One (1).
3. The potential magnitude and nature of the human exposure resulting from such releases.

P. Information Regarding Potential Releases from Solid Waste Management Units

Facility name: Safety-Kleen Corporation, Medley Facility

EPA I.D. number: Applied for (FDER Construction Permit No. HC 13-175466)

Location: City Medley State Florida

1. Are there any of the following solid waste management units (existing or closed) at your facility?
   Note - Do not include hazardous wastes units currently shown in your Part B application

	Yes	No		Yes	No		Yes	No
Landfill	☐	☒	Storage Tank (Above Ground)	☐	☒	Wastewater Treatment Units	☐	☒
Surface Impoundment	☐	☒	Storage Tank (Underground)	☐	☒	Transfer Stations	☐	☒
Land Farm	☐	☒	Container Storage Area	☐	☒	Waste Recycling Operations	☐	☒
Waste Pile	☐	☒	Injection Wells	☐	☒	Land Treatment Facility	☐	☒
Incinerator	☐	☒						

MEDLEY, FLORIDA

2. If there are "Yes" answers to any of the items in Number 1 above, please provide a description of the wastes that were stored, treated or disposed of in each unit. In particular please focus on whether or not the wastes would be considered as hazardous wastes or hazardous constituents under RCRA. Also include any available data on quantities or volumes of wastes disposed of and the dates of disposal. Please also provide a description of each unit and include capacity, dimensions, and location at facility. Provide a site plan if available.

Not Applicable

Note: Hazardous waste are those identified in 40 CFR Part 261. Hazardous constituents are those listed in Appendix VIII of 40 CFR Part 261.

3. For the units noted in Number 1 above and *also* those hazardous waste units in your Part B application, please describe for each unit any data available on any prior or current releases of hazardous wastes or constituents to the environment that may have occurred in the past or still be occurring.

Please provide the following information:

a. Date of release
b. Type of waste released
c. Quantity or volume of waste released
d. Describe nature of release (i.e., spill, overflow, ruptured pipe or tank, etc.)

Facility is under construction and hazardous wastes have not been stored on site.

4. In regard to the prior releases described in Number 3 above, please provide (for each unit) any analytical data that may be available which would describe the nature and extent of environmental contamination that exists as a result of such releases. Please focus on concentrations of hazardous wastes or constituents present in contaminated soil or ground water.

Not Applicable

Signature and Certification

As with reports in RCRA Permit Applications, submittal of this information must contain the following certification and signature by a principal executive officer of at least the level of Vice President or by a duly authorized representative of that person:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature

Scott E. Fore, Vice President
Environment, Health & Safety

Name and Title (Typed)

MEDLEY, FLORIDA

91-204

DER Form # 17-730.900(2)
Form Title Ap. for a Hazardous Waste Facility Permit
Effective Date July 3, 1989
DER Application No. _____ (Filled in by DER)

Application for a Hazardous Waste Facility Permit
Certification

To be completed by all applicants

1. **Operator**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possiblity of fine and imprisonment for knowing violations. Further, I agree to comply with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the Department of Environmental Regulation. It is understood that the permit is only transferable in accordance with Section 17-730, FAC, and, if granted a permit, the Department of Environmental Regtulation will be notified prior to the sale or legal transfer of the permitted facility.

Scott E. Fore
Signature of the Operator or Authorized Representative*

Scott E. Fore, Vice President-Environment, Health & Safety
Name and Title (Please Type or Print)

*Attach a letter of authorization

Date: 4/1/91 Telephone No. (708) 697-8460

2. **Facility Owner**

This is to certify that I understand this application is submitted for the purpose of obtaining a permit to construct, operate, or close a hazardous waste management facility on the property as described. As owner of the facility, I understand fully that the facility operator and I are jointly responsible for compliance with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the Department of Environmental Regulation.

Scott E. Fore
Signature of the Facility Owner or Authorized Representative*

Scott E. Fore, Vice President
Environment, Health & Safety
Name and Title (Please Type or Print)

*Attach a letter of authorization

Date: 4/1/91 Telephone No. (708) 697-8460

3. **Land Owner**

This is to certify that I, as land owner, understand that this application is submitted for the purpose of obtaining a permit to construct, operate, or close a hazardous waste management facility on the property as described. For hazardous waste disposal facilities, I further understand that I am responsible for providing the notice in the deed to the property required by 40 CFR §264.119 and §265.119, as adopted by reference in Chapter 17-730, FAC.

Michael D Craig Genevieve S. Craig
Signature of the Land Owner or Authorized Representative*

MICHAEL D CRAIG Genevieve S. Craig
Name and Title (Please Type or Print)

*Attach a letter of authorization

Date: 4-25-91 Telephone No. (407) 692-3205

4. **Professional Engineer Registered in Florida (Where Required by Chapter 471, F.S.)**

This is to certify that the engineering features of this hazardous waste management facility have been designed/examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, this facility, when properly constructed, maintained and operated, or closed, will comply with all applicable statutes of the State of Florida and rules of the Department of Environmental Regulation.

Frederick W. Blickle III
Signature

Frederick Blickle, III
Name (Please Type)

Florida Registration No.: 39409

Mailing address 9501 Princess Palm Ave., Suite 100
Street or P.O. Box

Tampa City | Florida State | 33619 Zip

(813) 622-8727 Telephone No.

5/2/91 Date

(Please Affix Seal)

STATE OF FLORIDA
REGISTERED ENGINEER

Medley, Florida

91-204

N. Research, Development and Demonstration

1. The applicant should submit a letter to the Department summarizing the proposed research prior to submitting the formal application so that the Department may, in accordance with 17-730.330(2), determine if any of the requirements of the application can be waived. This letter should contain:
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Facility name: Safety-Kleen Corporation, Medley Facility

EPA I.D. number: Applied for (FDER Construction Permit No. HC 13-175466)

Location: City Medley State Florida

1. Are there any of the following solid waste management units (existing or closed) at your facility?
   Note - Do not include hazardous wastes units currently shown in your Part B application

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Waste Pile	☐	☒	Injection Wells	☐	☒	Land Treatment Facility	☐	☒
Incinerator	☐	☒						

MEDLEY, FLORIDA

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Not Applicable

Signature and Certification

As with reports in RCRA Permit Applications, submittal of this information must contain the following certification and signature by a principal executive officer of at least the level of Vice President or by a duly authorized representative of that person:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Scott E. Fore

Signature

Scott E. Fore, Vice President
Environment, Health & Safety

Name and Title (Typed)

MEDLEY, FLORIDA

91-204

DER Form # 17-730.900(2)
Form Title Ap. for a Hazardous Waste Facility Permit
Effective Date July 3, 1989
DER Application No. _____ (Filed in by DER)

Application for a Hazardous Waste Facility Permit
Certification

To be completed by all applicants

1. Operator

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possiblity of fine and imprisonment for knowing violations. Further, I agree to comply with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the Department of Environmental Regulation. It is understood that the permit is only transferable in accordance with Section 17-730, FAC, and, if granted a permit, the Department of Environmental Regtulation will be notified prior to the sale or legal transfer of the permitted facility.

Scott E. Fore
Signature of the Operator or Authorized Representative*

Scott E. Fore, Vice President
Environment, Health & Safety
Name and Title (Please Type or Print)

*Attach a letter of authorization

Date: 4/1/91 Telephone No. (708) 697-8460

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Scott E. Fore
Signature of the Facility Owner or Authorized Representative*

Scott E. Fore, Vice President
Environment, Health & Safety
Name and Title (Please Type or Print)

*Attach a letter of authorization

Date: 4/1/91 Telephone No. (708) 697-8460

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Michael D Craig Genevieve S. Craig
Signature of the ~~Facility~~ Land Owner or Authorized Representative*

MICHAEL D CRAIG Genevieve S. Craig
Name and Title (Please Type or Print)

*Attach a letter of authorization

Date: 4-25-91 Telephone No. (407) 692-3205

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This is to certify that the engineering features of this hazardous waste management facility have been designed/examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, this facility, when properly constructed, maintained and operated, or closed, will comply with all applicable statutes of the State of Florida and rules of the Department of Environmental Regulation.

Frederick W. Blickle, III
Signature

Frederick Blickle, III
Name (Please Type)

Florida Registration No. 39409

Mailing address 9501 Princess Palm Ave., Suite 10
Street or P.O. Box

Tampa City Florida State 33619 Zip

(Please Affix Seal)

(813) 622-8727 Telephone No.

5/2/91 Date

Medley, Florida

91-204

safety-kleen®

RECEIVED
MAY 6 1991
Dept. of Environmental Reg.
West Palm Beach

April 30, 1991

Mr. Knox McKee
Florida Department of Environmental Regulation
1900 S. Congress Avenue
Suite A
West Palm Beach, FL 33406

Dear Knox:

Sikagard 62, from Sika Corporation, has been tested for use in Safety-Kleen's recycle center tank farms and other material-handling areas. According to our testing, described below, **Sikagard 62 is compatible with mineral spirits.** The test, however, does not address how long the material will withstand traffic.

COMPATIBILITY TEST
The Sikagard 62 flooring sample was scratched and immersed in mineral spirits in a jar at ambient temperature for 7 days. At the end of the test, the flooring sample was examined and scratched again to detect failure. Sikagard 62 showed no sign of deterioration.

Other variables can affect a flooring material's durability. These variables include substrate preparation, moisture, cure time and temperature, and ingredient ratios.

If you have any questions, please call John Dingess at (312) 694-2700 (ext. 7375).

John A. Dingess - Chemist
Product Development
Section Leader

cc: F. Blickle, ERM
P. Dittmar
J. Hartline
M. Hlebasko
E. Jurczak
C. Norton, ERM
F. Stockbarger

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

Florida Department of Environmental Regulation

Twin Towers Office Bldg. ● 2600 Blair Stone Road ● Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

April 3, 1991

RECEIVED
APR 10 1991
Dept. of Environmental Reg.
West Palm Beach

Mr. James H. Scarbrough, P.E., Chief
Waste Management Division
U.S. Environmental Protection Agency
Region IV
345 Courtland Street
Atlanta, Georgia 30365

RE: Draft RCRA Facility Assessment; FLD984171165 Safety Kleen - Sanford, FLD984171694 Safety Kleen - Medley

Dear Mr. Scarbrough:

In accordance with our Memorandum of Agreement and the Workplan, enclosed are the draft copies of the RFA's for the Sanford and Medley Safety Kleen facilities. The visual site inspection for these facilities were performed on February 18 and 19, 1991. Our recommendation for these two sites is to identify the proposed units as SWMUs with no further action required.

Should you have any questions, please call me or John Griffin of my staff at (904) 488-0300.

Sincerely,

Satish Kastury
Environmental Administrator
Hazardous Waste Regulation

SK/do

cc: Bob Kukleski, DER/West Palm Beach
Bob Snyder, DER/Orlando

Recycled Paper

RCRA FACILITY ASSESSMENT

for

SAFETY KLEEN CORPORATION
East of NW 89th Avenue & 95th Street
Medley, Florida 33166

FLD 984 171 694

Prepared by: Florida Department of Environmental Regulation

Site Visit: John E. Griffin

Report Date

March 1991

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I. EXECUTIVE SUMMARY

The 1984 Hazardous and Solid Waste Amendments (HSWA) expanded the regulatory authority under the Resource Conservation and Recovery Act (RCRA) to allow for a RCRA corrective action program to clean up releases of hazardous waste or hazardous constituents from Solid Waste Management Units (SWMUs) or Areas of Concern (AOCs). This corrective action program applies to all facilities that have obtained a RCRA Part B Permit or are in the process of obtaining a RCRA Part B permit.

The RCRA corrective action program consists of three phases. The first phase involves the RCRA Facility Assessment (RFA) to identify releases or potential releases requiring further investigation. During the second phase, the extent of releases, if any, are fully characterized under the RCRA Facility Investigation (RFI). The Corrective Measure Study (CMS) is the final phase to determine the need for and extent of remedial measures. This step includes the selection and implementation of appropriate remedies for all releases identified. This report covers only the RFA portion of the corrective action program.

The RFA is subdivided into three stages and this includes a Preliminary Review (PR) which focuses primarily on evaluating any existing information at your facility. Based on this existing information a preliminary list of SWMUs and AOCs is determined. Following this review is a Visual Site Inspection (VSI) which entails a site visit to collect visual information and to obtain any additional evidences of releases from SWMUs or AOCs. If necessary, a Sampling Visit (SV) will be performed by obtaining sampling and field data to further evaluate any releases of hazardous waste or hazardous constituents to the environment. To summarize, the purpose of these three stages of this report is identify SWMUs and AOCs and to assess the release potential of any hazardous constituent from these units.

This report summarizes information found during the PR of material from the State of Florida Department of Environmental Regulation (FDER) files and the VSI conducted by FDER staff at the proposed site of the Safety Kleen facility on February 19, 1991. The proposed site is located in the town of Medley, Florida, east of N.W 89th Avenue and on 96th Street. Route 826 is the major access road to the facility. Florida East Coast Railroad borders the northeast portion of property. The property is undeveloped land and is currently zoned M-1 (light manufacturing/Industry).

On January 17, 1990, Safety Kleen submitted an application to FDER for a Hazardous Waste Construction Permit. The FDER issued a first notice of deficiency on March 26, 1990. Safety Kleen responded to the first notice of deficiency on April 24, 1990 and July 5, 1990 followed by a compliance schedule submitted September 17, 1990. Safety Kleen again responded on November 8, 1990 with a revised construction permit application. The FDER give notice of its Intent to Issue the construction permit on December 7, 1990 subsequently issuing the permit on March 1, 1991.

According to the Construction Permit Application, Safety Kleen plans to operate a hazardous waste storage facility at the site. Safety Kleen proposes to operate the facility within the units specifically designed for hazardous waste management. Waste materials would be stored in either tanks or containers for transport to off-site recycling or disposal facilities. There is no planned on-site disposal. There were two Solid Waste Management Units identified at the site during the PR and VSI. The two Solid Waste Management Units listed in this document are for the proposed RCRA storage units. No previous releases were reported in the file data or observed during the VSI.

I. INTRODUCTION

The 1984 Hazardous and Solid Waste Amendments (HSWA) expanded the regulatory authority under the Resource Conservation and Recovery Act (RCRA) to allow for a RCRA corrective action program to clean up releases of hazardous waste or hazardous constituents from Solid Waste Management Units (SWMUs) or Areas of Concern (AOCs). This corrective action program applies to all facilities that have obtained a RCRA Part B Permit or are in the process of obtaining a RCRA Part B permit.

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A. Background

The Florida Department of Environmental Regulation (FDER) was directed under an agreement with the United States Environmental Protection Agency (EPA) to conduct a RCRA Facility Assessment (RFA) at the proposed Safety Kleen Facility in Medley, Florida. The purpose of an RFA is to:

(1) Identify and gather information on Solid Waste Management Units (SWMUs) or Areas of Concern at RCRA facilities;
(2) Evaluate SWMUs and AOCs for releases of hazardous waste or hazardous constituents; and
(3) Make determinations regarding releases of concern and further actions or screen from further investigation those SWMUs or AOCs which do not pose a threat to human health or the environment.

B. Facility History

The proposed site is located in the town of Medley, Florida, east of N.W. 89th Avenue and on 96th Street. Route 826 is the major access to the facility. Florida East Coast Railroad borders the northeast portion of property. The property is undeveloped land and is currently zoned M-1 (light manufacturing/industry).

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C. File Search and VSI

The file search was performed at the FDER during the first week of February. The file search consisted of a desk top study of the RCRA files and a review of the files prepared by the Florida State Board of Conservation, Division of Geology. The purpose of the file search was to compile a list of SWMUs and AOCs including additional information about the proposed facility and a geology of the site.

The VSI was conducted on February 19, 1991 by John Griffin of the FDER. Two other representatives of the FDER who participated in the VSI were Bob Kukleski and Knox McKee. There were no EPA or facility representatives present. The purpose of the VSI was to verify the findings of the file review, evaluate any releases of hazardous waste or hazardous constituents at SWMUs or AOCs and to collect any information necessary to complete this report.

D. Waste Generation

According to the Construction Permit Application, Safety Kleen plans to operate a hazardous waste storage facility at the proposed site. A site plan of the proposed facility is provided in Figure 1. The facility will have a capacity to store wastes in containers and tanks.

1. Container Storage Facility:
   Safety Kleen would operate the storage facility within a building specifically designed for hazardous waste management. The proposed container storage building would have a drum storage capacity of 6,912 gallons. The dimensions of the building will be 80 feet wide by 50 feet long. All waste materials would be stored and subsequently sent to a reclaimer. The wastes that can not effectively reclaimed will be sent to a licensed facility for disposal. All drummed waste materials will be stored in Department of Transportation (DOT) acceptable containers in such a manner that detrimental co-mingling will be prevented. The containers will store mineral spirit dumpster sediments (D001/D006/D008), immersion cleaner (F002/F004), dry cleaning waste (F002), and paint waste (F003/F005/D001/D006/D007/D008) in various size drums.

2. Tank Storage Facility:
   Safety Kleen proposes to build two tank farms each containing six aboveground tanks. These tank farms will include six 20,000 gallon aboveground steel tanks. One tank is designated to store used mineral spirits (D001/D006/D008), another tank will be used to store mineral spirit product, three tanks will store non-hazardous waste oil, and one tank will be storing perchloroethylene product. All tanks are vented at the top to prevent pressure buildup. All tanks are underlain by a 55 feet wide by 39 feet long, six-inch concrete slab surrounded by a 2 foot concrete dike. The dike will be sealed with a chemical resistant coating.

E. Demographics and Environmental Setting

1. Population:
   The proposed Safety Kleen site is located in Medley, Florida which is in Dade County. It is east of N.W. 89th Avenue and on 96th Street. Route 826 is the major access road to the facility. The population in 1980 for Dade County was 1,625,000. The largest populated city in Dade County is Miami with an population in 1980 of 346,931. Medley has an population in 1980 of 587. (Reference 4).

2. Climate:
   The climate in Dade County is subtropical. Average daily temperatures range from about 82° F in the summer to about 68 °F in the winter. The average precipitation in Southeastern Florida is 59 inches. About 70 percent of the precipitation falls during the months of June through October. (Reference 5).

3. Physiography:

The town of Medley lies on the sandy flatlands situated between the Everglades and the Atlantic Coastal Ridge. Altitudes are around six feet above sea level. The site is located in Flood Zone AH designated by the Federal Emergency Management Agency. Zone AH is a special flood hazard area subject to inundation by the 100-year shallow flooding. The lowest finished floor elevation will be 6.7 feet above see level which is the cities flood criteria for building in this flood zone. (References 3 and 5).

4. Geology:

A generalized geologic cross-section is shown in Figure 4. The geology of the region is summarized in Reference 5 as follows:

The uppermost portion of the geologic deposits consist of recent organic soils and marls from the Pleistocene and Recent Age. The organic soils consist of peat and muck while the marl consist of white to grey calcereous mud rich with shells.

Underlying these deposits are the Miami Oolite from the Pleistocene Age. The Miami Oolite is typically a white to yellowish massive crossbedded oolitic limestone containing varying amounts of sand, usually in solution holes. Lying below the Miami Oolite is the Fort Thompson formation of the same Pleistocene Age. This formation ranges from sea level to 50 feet below sea level. The Fort Thompson formation is predominantly light grey to cream, fossiliferous, marine, sandy limestone and calcareous sandstone, with a few thin beds of grey and tan fresh water limestone. The entire section has been subjected to solution by groundwater, and the result is a cavity-riddled mass of permeable rock. Below the Fort Thompson formation lies the Tamiami formation from the Miocene age. The Tamiami formation in this area consists of permeable sandstone.

5. Groundwater:

The hydrology of the region is summarized in Reference 5 as follows:

Groundwater in Dade County occurs in the Biscayne aquifer. All the water that recharges the Biscayne aquifers is derived from local rainfall. The Biscayne aquifer is generally unconfined and generally conforms to the topography, being at higher elevations under hills and lower elevations under valleys. Discharge from the Biscayne aquifer occurs by groundwater flow into the canals, Atlantic Ocean, Biscayne Bay, by evapotranspiration or by pumping. Major fluctuations of the water table are caused by recharge and natural or artificial discharge. The magnitude of water-level fluctuation during any one year can vary from 2 to 8 feet, depending upon the amount and distribution of rainfall in the area.

One of the most troublesome mineral constituents in water from the Biscayne aquifer is iron. There is no apparent consistency in the amount of iron present in the groundwater so therefore predictions can not be made as to the localities at which water will have a high content of dissolved iron.

F. Exposure Potential

1. Target Populations: Since this area is currently unpopulated and is planned to be used for industrial purposes, the threat to human health is very low. The health risk on animal populations is unknown, but is also expected to be low.

2. Receptor Information: Since there are no waste operations at this facility, the release potential is nonexistent at this time.

III. SWMU AND AOC DESCRIPTIONS

See Figure 3 for the Solid Waste Management Unit Summary. Appendix II consists of the VSI photo log.

IV. SUMMARY AND RECOMMENDATIONS

Two Solid Waste Management Units exist at this site and these units are the proposed container and tank storage units. No further action should be taken at this time.

V. LIST OF REFERENCES

1. Safety Kleen Corporation - Construction Permit Application dated January 17, 1990.

2. FDER First Notice of Deficiency dated March 26, 1990.

3. Safety Kleen Corporation - Revised Construction Permit Application dated November 8, 1990.

4. 1990 - 1991 Florida Almanac.

5. Florida Geological Survey, Report of Investigations NO. 17 by U.S. Geological Survey.

VI. FIGURES

FIGURE 1

QUADRANGLE LOCATION

HIALEAH, FLA.

N2545—W8015/7.5

1962

PHOTOREVISED 1969

AMS 4935 IV SE-SERIES V847

EXHIBIT I.B. 3-1

SCALE 1:24000

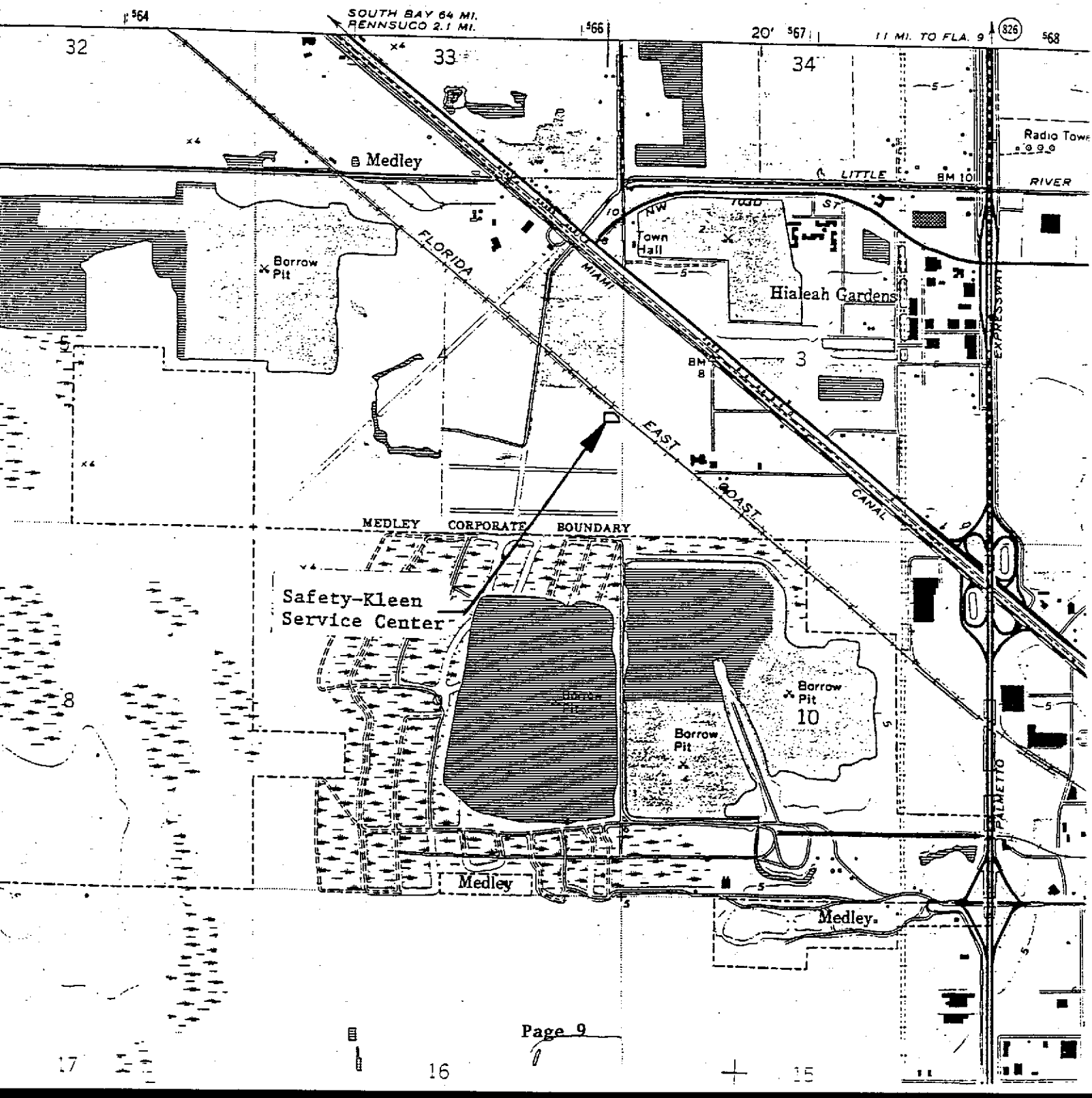
1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

CONTOUR INTERVAL 5 FEET

DATUM IS MEAN SEA LEVEL



17 16 15

FIGURE 2

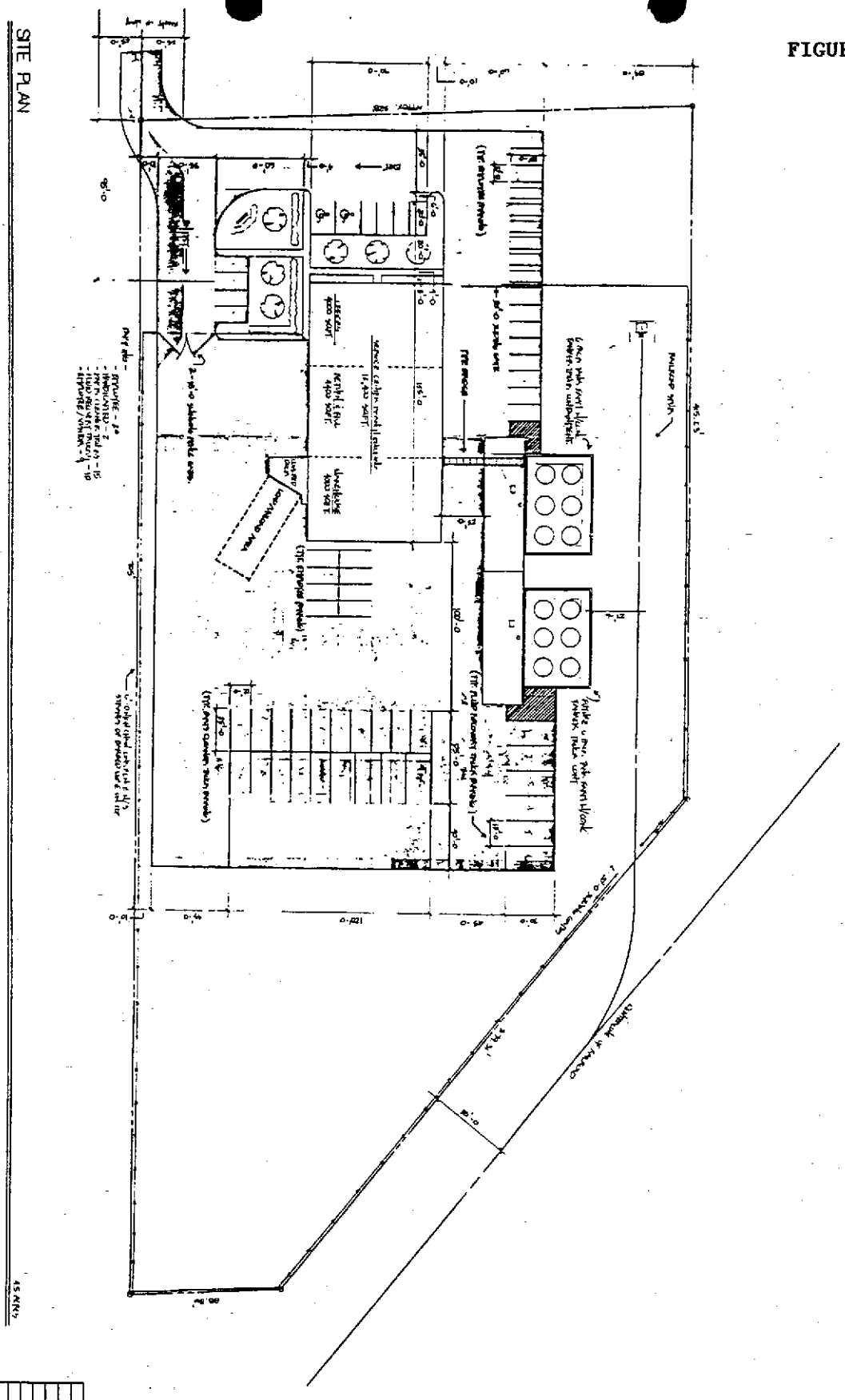


FIGURE 3

SAFETY KLEEN CORPORATION
SANFORD FACILITY
FLD 984 171 165

SWMU IDENTIFICATION SUMMARY

SWMU No.	Type of Unit	Years Op.	Waste Managed	Pollutant Migration Pathways	Evidence of Release	Exposure Potential	Recommendation				
							Interim Measures Needed	RFI	NFA	Further Assess-ment	Re
*1	Containers	NONE	NONE	NONE	NONE	NONE			X		
*2	Tank	NONE	NONE	NONE	NONE	NONE			X		
* -	RCRA UNITS										

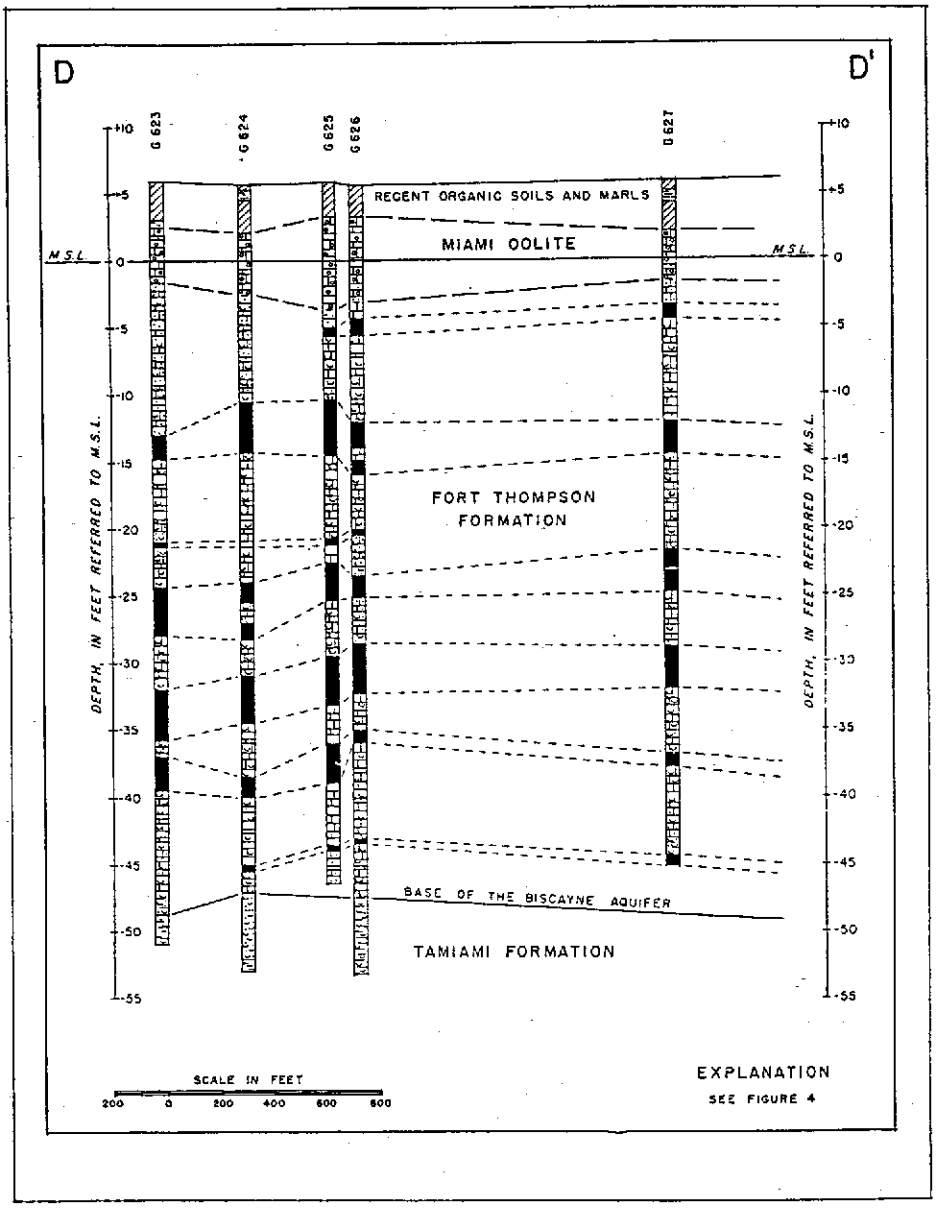


Figure 8. West-east geologic cross section near Krome Avenue at Tamiami Trail.

limestones, at slightly lower elevations, which are probably a continuation of this zone. A similar situation may be true of the wells south of C 653, although these limestones are generally at slightly higher elevations.

LATE CENOZOIC FORMATIONS OF DADE AND BROWARD COUNTIES

Age	*Formation*	*Characteristics*	*Thickness (feet)*
Recent and Pleistocene	Soils	Peat and muck; laterite.	0-12
	Lake Flirt marl	White to gray calcareous mud, rich with shells of *Helisoma* sp., a fresh-water gastropod. In some places casehardened to a dense limestone. Relatively impermeable.	0-6
Pleistocene (Formations are contemporaneous in part)	Pamlico sand	Quartz sand, white to black or red, depending upon nature of staining materials, very fine to coarse, average medium. Mantles large areas underlain by Miami oolite and Anastasia formation.	0-40
	Miami oolite	Limestone, oolitic, soft, white to yellowish, containing streaks or thin layers of calcite, massive to crossbedded and stratified; generally perforated with vertical solution holes. Fair to good aquifer.	0-40
	Anastasia formation	Coquina, sand, calcareous sandstone, sandy limestone, and shell marl. Probably composed of deposits equivalent in age to marine members of Fort Thompson formation. Fair to good aquifer.	0-120
	Key Largo limestone	Coralline reef rock, ranging from hard and dense to soft and cavernous. Probably interfingers with the marine members of the Fort Thompson formation. Crops out along southeastern coast line of Florida from Soldier Key in Biscayne Bay to Bahia Honda. Excellent aquifer.	0-60
	Fort Thompson formation	Alternating marine, brackish-water and fresh-water marls, limestones, and sandstone. A major component of the highly permeable Biscayne aquifer of coastal Dade and Broward counties, which yields copious supplies of ground water.	0-150
Pliocene	Caloosahatchee marl	Sandy marl, clay, silt, sand, and shell beds. Yields ground water less abundantly than most other parts of the Biscayne aquifer.	0-25
Miocene	Tamiami formation	Cream, white, and greenish-gray clayey marl, silty and shelly sands, and shell marl, locally hardened to limestone. Upper part, where permeability is high, forms the lower part of the Biscayne aquifer. Lower and major part of formation is of low permeability and forms the upper beds of the aquiclude that confines water in the Floridan aquifer (Ocala and associated limestones) below.	0-100

VII. APPENDICIES

APPENDIX I

SWMU DATA SHEET

Page 1 of 2

SWMU NUMBER: 1 PHOTO NUMBER:

NAME: Container Storage Area Inside Service Center

TYPE OF UNIT: Containers

PERIOD OF OPERATION: None

PHYSICAL DESCRIPTION AND CONDITION:

Will hold 6,912 gallons of waste inside of the main building (i.e. - service center).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED:

- D001, D006, D007, D008, F002, F003, F004, F005.

RELEASE PATHWAYS: Air ( ) Surface Water ( ) Soil ( )

*NONE Groundwater ( ) Subsurface Gas ( )

HISTORY AND/OR EVIDENCE OF RELEASES(S): NONE

RECOMMENDATIONS:

No Further Action	(X)
RFA Phase II Sampling	( )
RFI Necessary	( )

REFERENCES: See Figures 1 and 3.

COMMENTS: *When fully constructed, this unit will be totally enclosed in a building and surrounded by a berm. Therefore, no release pathways are evident.

Project Name: Safety Kleen Date: February, 1991

SWMU DATA SHEET

Page 2 of 2

SWMU NUMBER: 2 PHOTO NUMBER:

NAME: Tank Storage Area Inside Tank Farm Building

TYPE OF UNIT: Tank

PERIOD OF OPERATION: None - Area under construction during the VSI.

PHYSICAL DESCRIPTION AND CONDITION:

Six - 20,000 gallons steel tanks: Two product tanks, one waste tank and three waste oil tanks within an enclosed bermed area.

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED:

- D001/D006/D008

RELEASE PATHWAYS: Air ( ) Surface Water ( ) Soil ( )

*NONE Groundwater ( ) Subsurface Gas ( )

HISTORY AND/OR EVIDENCE OF RELEASES(S): NONE

RECOMMENDATIONS:

No Further Action	(X)
RFA Phase II Sampling	( )
RFI Necessary	( )

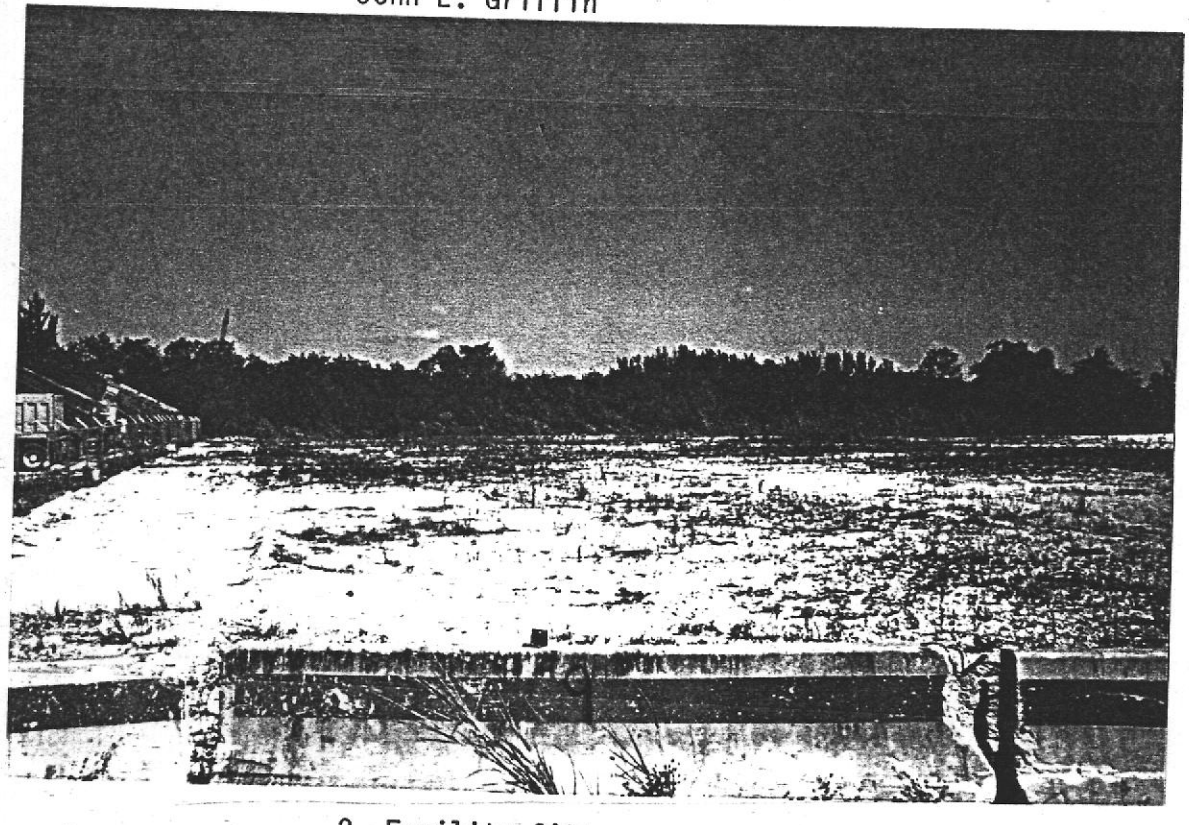
REFERENCES: See Figures 1 and 3.

COMMENTS: *When fully constructed, this unit will have secondary containment . Therefore, no release pathways are evident.

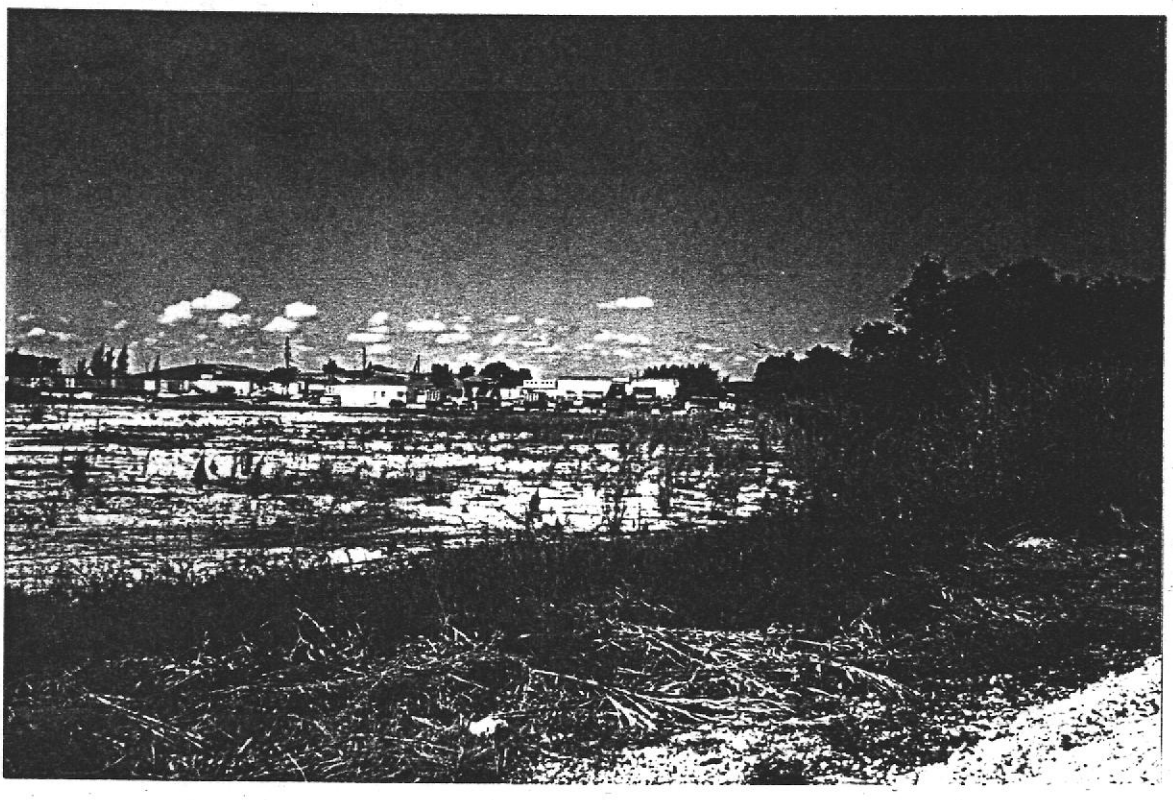
Project Name: Safety Kleen Date: February, 1991

APPENDIX II

1. Facility Site
looking east from the southwest corner
2-19-91
John E. Griffin



2. Facility Site
looking west from the northeast corner
2-19-91
John E. Griffin



3. Facility Site
looking north from the southwest corner
2-19-91
John E. Griffin

Florida Department of Environmental Regulation

Twin Towers Office Bldg. ● 2600 Blair Stone Road ● Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

April 16, 1991

RECEIVED
MAY 2 1991
Dept. of Environmental Reg.
West Palm Beach

Mr. Joe Hartline
Environmental Regional Engineer
Safety Kleen Corporation
777 Big Timber Road
Elgin, Illinois 60123

Dear Mr. Hartline:

Enclosed is a draft Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) Report. This report is a result of a Visual Site Inspection conducted by Mr. John Griffin of the Florida Department of Environmental Regulation on February 19, 1991. The report identifies a total of two (2) solid waste management units (SWMUs) located at your facility. This draft RFA report recommends that the two units require no further action at this time.

Please review the enclosed draft RFA report and provide us with any comments/information you might have. Comments received within twenty (20) days of the receipt of this letter will be considered prior to finalizing the document. Should you have any questions, please contact John Griffin of my staff at 904/488-0300.

Sincerely,

Satish Kastury, Administrator
Hazardous Waste Regulation

SK/JEG/do
enclosure

cc: Jim Scarbrough, EPA/Region IV
Bob Kukleski, DER/West Palm Beach

Recycled Paper

RCRA FACILITY ASSESSMENT

for

SAFETY KLEEN CORPORATION
East of NW 89th Avenue & 95th Street
Medley, Florida 33166

FLD 984 171 694

Prepared by: Florida Department of Environmental Regulation

Site Visit: John E. Griffin

Report Date

March 1991

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I. INTRODUCTION

The 1984 Hazardous and Solid Waste Amendments (HSWA) expanded the regulatory authority under the Resource Conservation and Recovery Act (RCRA) to allow for a RCRA corrective action program to clean up releases of hazardous waste or hazardous constituents from Solid Waste Management Units (SWMUs) or Areas of Concern (AOCs). This corrective action program applies to all facilities that have obtained a RCRA Part B Permit or are in the process of obtaining a RCRA Part B permit.

The RCRA corrective action program consists of three phases. The first phase involves the RCRA Facility Assessment (RFA) to identify releases or potential releases requiring further investigation. During the second phase, the extent of releases, if any, are fully characterized under the RCRA Facility Investigation (RFI). The Corrective Measure Study (CMS) is the final phase to determine the need for and extent of remedial measures. This step includes the selection and implementation of appropriate remedies for all releases identified. This report covers only the RFA portion of the corrective action program.

The RFA is subdivided into three stages and this includes a Preliminary Review (PR) which focuses primarily on evaluating any existing information about a facility. Based on this existing information a preliminary list of SWMUs and AOCs is determined. Following this review is a Visual Site Inspection (VSI) which entails a site visit to collect visual information and to obtain any additional evidences of releases from SWMUs or AOCs. If necessary, a Sampling Visit (SV) will be performed by obtaining sampling and field data to further evaluate any releases of hazardous waste or hazardous constituents to the environment. To summarize, the purpose of these three stages of this report is identify to SWMUs and AOCs and to assess the release potential of any hazardous constituent from these units.

This report summarizes information found during the PR of material from the State of Florida Department of Environmental Regulation (FDER) files and the VSI conducted by FDER staff at the proposed site of the Safety Kleen facility on February 19, 1991. According to the Construction Permit Application, Safety Kleen plans to operate a hazardous waste storage facility at the site. Waste materials would be stored in either tanks or containers for transport to off-site recycling or disposal facilities. There is no planned on-site disposal. There were two Solid Waste Management Units identified at the site during the PR and VSI. The two Solid Waste Management Units listed in this document are for the proposed RCRA storage units. No previous releases were reported in the file data or observed during the VSI.

A. Background

The Florida Department of Environmental Regulation (FDER) was directed under an agreement with the United States Environmental Protection Agency (EPA) to conduct a RCRA Facility Assessment (RFA) at the proposed Safety Kleen Facility in Medley, Florida. The purpose of an RFA is to:

(1) Identify and gather information on Solid Waste Management Units (SWMUs) or Areas of Concern at RCRA facilities;
(2) Evaluate SWMUs and AOCs for releases of hazardous waste or hazardous constituents; and
(3) Make determinations regarding releases of concern and further actions or screen from further investigation those SWMUs or AOCs which do not pose a threat to human health or the environment.

B. Facility History

The proposed site is located in the town of Medley, Florida, east of N.W. 89th Avenue and on 96th Street. Route 826 is the major access to the facility. Florida East Coast Railroad borders the northeast portion of property. The property is undeveloped land and is currently zoned M-1 (light manufacturing/industry).

On January 17, 1990, Safety Kleen submitted an application to FDER for a Hazardous Waste Construction Permit. The FDER issued a first notice of deficiency on March 26, 1990 and July 5, 1990 followed by a compliance schedule submitted September 17, 1990. Safety Kleen again responded on November 8, 1990 with a revised construction permit application. The FDER gave notice of its Intent to Issue the construction permit on December 7, 1990 subsequently issuing the permit on March 1, 1991.

C. File Search and VSI

The file search was performed at the FDER during the first week of February. The file search consisted of a desk top study of the RCRA files and a review of the files prepared by the Florida State Board of Conservation, Division of Geology. The purpose of the file search was to compile a list of SWMUs and AOCs including additional information about the proposed facility and a geology of the site.

The VSI was conducted on February 19, 1991 by John Griffin of the FDER. Two other representatives of the FDER who participated in the VSI were Bob Kukleski and Knox McKee. There were no EPA or facility representatives present. The purpose of the VSI was to verify the findings of the file review, evaluate any releases of hazardous waste or hazardous constituents at SWMUs or AOCs and to collect any information necessary to complete this report.

D. Waste Generation

According to the Construction Permit Application, Safety Kleen plans to operate a hazardous waste storage facility at the proposed site. A site plan of the proposed facility is provided in Figure 1. The facility will have a capacity to store wastes in containers and tanks.

1. Container Storage Facility:
   Safety Kleen would operate the storage facility within a building specifically designed for hazardous waste management. The proposed container storage building would have a drum storage capacity of 6,912 gallons. The dimensions of the building will be 80 feet wide by 50 feet long. All waste materials would be stored and subsequently sent to a reclaimer. The wastes that can not effectively reclaimed will be sent to a licensed facility for disposal. All drummed waste materials will be stored in Department of Transportation (DOT) acceptable containers in such a manner that detrimental co-mingling will be prevented. The containers will store mineral spirit dumpster sediments (D001/D006/D008), immersion cleaner (F002/F004), dry cleaning waste (F002), and paint waste (F003/F005/D001/D006/D007/D008) in various size drums.

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   Safety Kleen proposes to build two tank farms each containing six aboveground tanks. These tank farms will include six 20,000 gallon aboveground steel tanks. One tank is designated to store used mineral spirits (D001/D006/D008), another tank will be used to store mineral spirit product, three tanks will store non-hazardous waste oil, and one tank will be storing perchloroethylene product. All tanks are vented at the top to prevent pressure buildup. All tanks are underlain by a 55 feet wide by 39 feet long, six-inch concrete slab surrounded by a 2 foot concrete dike. The dike will be sealed with a chemical resistant coating.

E. Demographics and Environmental Setting

1. Population:
   The proposed Safety Kleen site is located in Medley, Florida which is in Dade County. It is east of N.W. 89th Avenue and on 96th Street. Route 826 is the major access road to the facility. The population in 1980 for Dade County was 1,625,000. The largest populated city in Dade County is Miami with an population in 1980 of 346,931. Medley has an population in 1980 of 587. (Reference 4).

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The town of Medley lies on the sandy flatlands situated between the Everglades and the Atlantic Coastal Ridge. Altitudes are around six feet above sea level. The site is located in Flood Zone AH designated by the Federal Emergency Management Agency. Zone AH is a special flood hazard area subject to inundation by the 100-year shallow flooding. The lowest finished floor elevation will be 6.7 feet above sea level which is the cities flood criteria for building in this flood zone. (References 3 and 5).

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A generalized geologic cross-section is shown in Figure 4. The geology of the region is summarized in Reference 5 as follows:

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F. Exposure Potential

1. Target Populations: Since this area is currently unpopulated and is planned to be used for industrial purposes, the threat to human health is very low. The health risk on animal populations is unknown, but is also expected to be low.

2. Receptor Information: Since there are no waste operations at this facility, the release potential is nonexistent at this time.

III. SWMU AND AOC DESCRIPTIONS

See Figure 3 for the Solid Waste Management Unit Summary. Appendix II consists of the VSI photo log.

IV. SUMMARY AND RECOMMENDATIONS

Two Solid Waste Management Units exist at this site and these units are the proposed container and tank storage units. No further action should be taken at this time.

V. LIST OF REFERENCES

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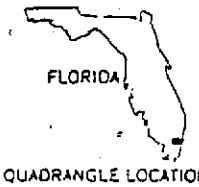
VI. FIGURES



QUADRANGLE LOCATION

HIALEAH, FLA.
N2545—W8015/7.5
1962
PHOTOREVISED 1969
AMS 4935 IV SE—SERIES V847

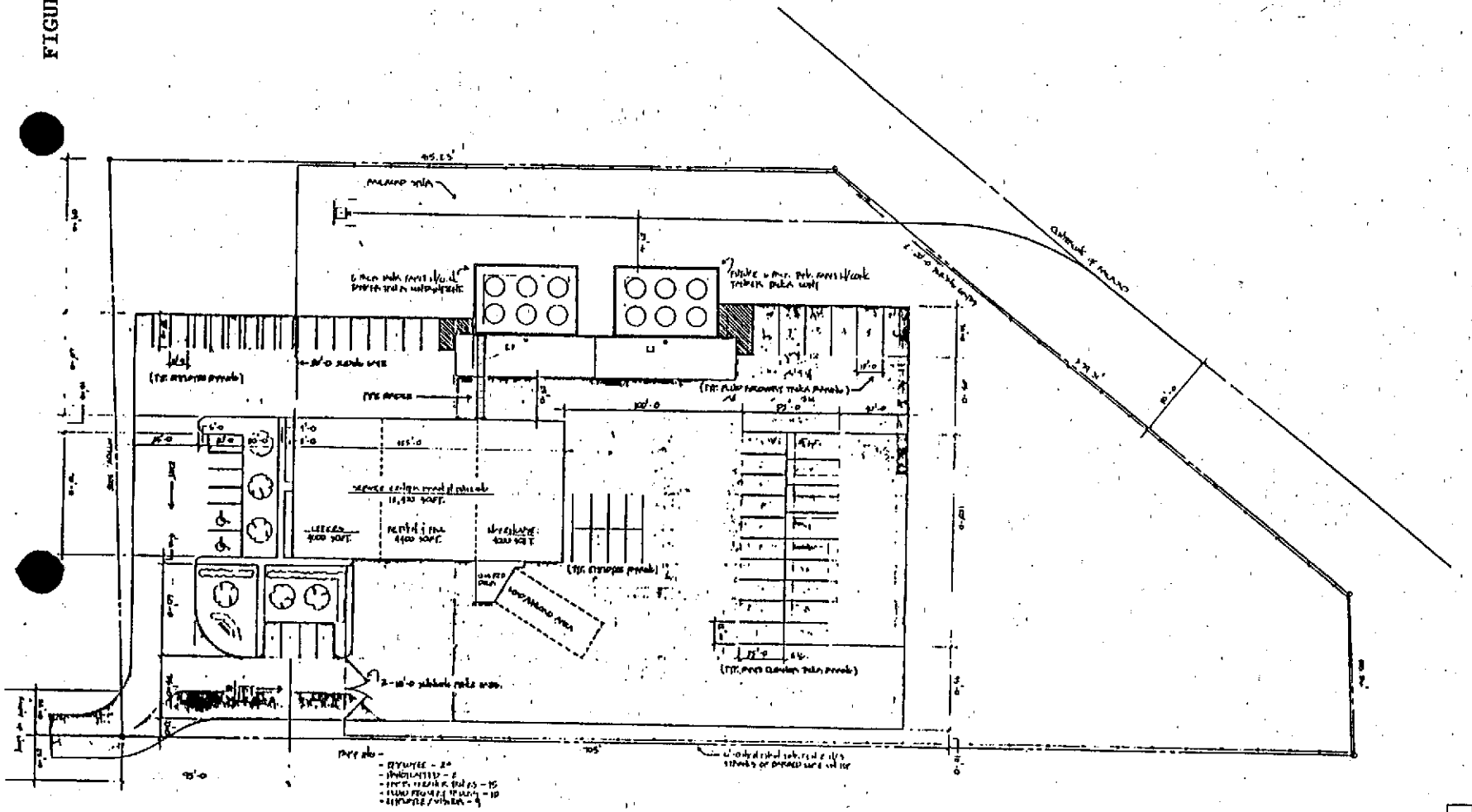
SCALE 1:24000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 5 FEET
DATUM IS MEAN SEA LEVEL

SOUTH BAY 64 MI.
PENNSUCO 2.1 MI.
11 MI. TO FLA. 9
825
32
33
34
3
4
Medley
LITTLE RIVER
BM 10
NW 103D ST
Town Hall
Radio Tow
Borrow Pit
FLORIDA
MIAMI
Hialeah Gardens
EXPRESSWAY
BM 8
EAST COAST CANAL
MEDLEY CORPORATE BOUNDARY
Safety-Kleen
Service Center
Borrow Pit
10
Borrow Pit
PALMETTO
Medley
Medley.

FIGURE 2



SITE PLAN

SITE PLAN

SAFETY-KLEEN CORP.

FIGURE 3

SAFETY KLEEN CORPORATION
SANFORD FACILITY
FLD 984 171 165

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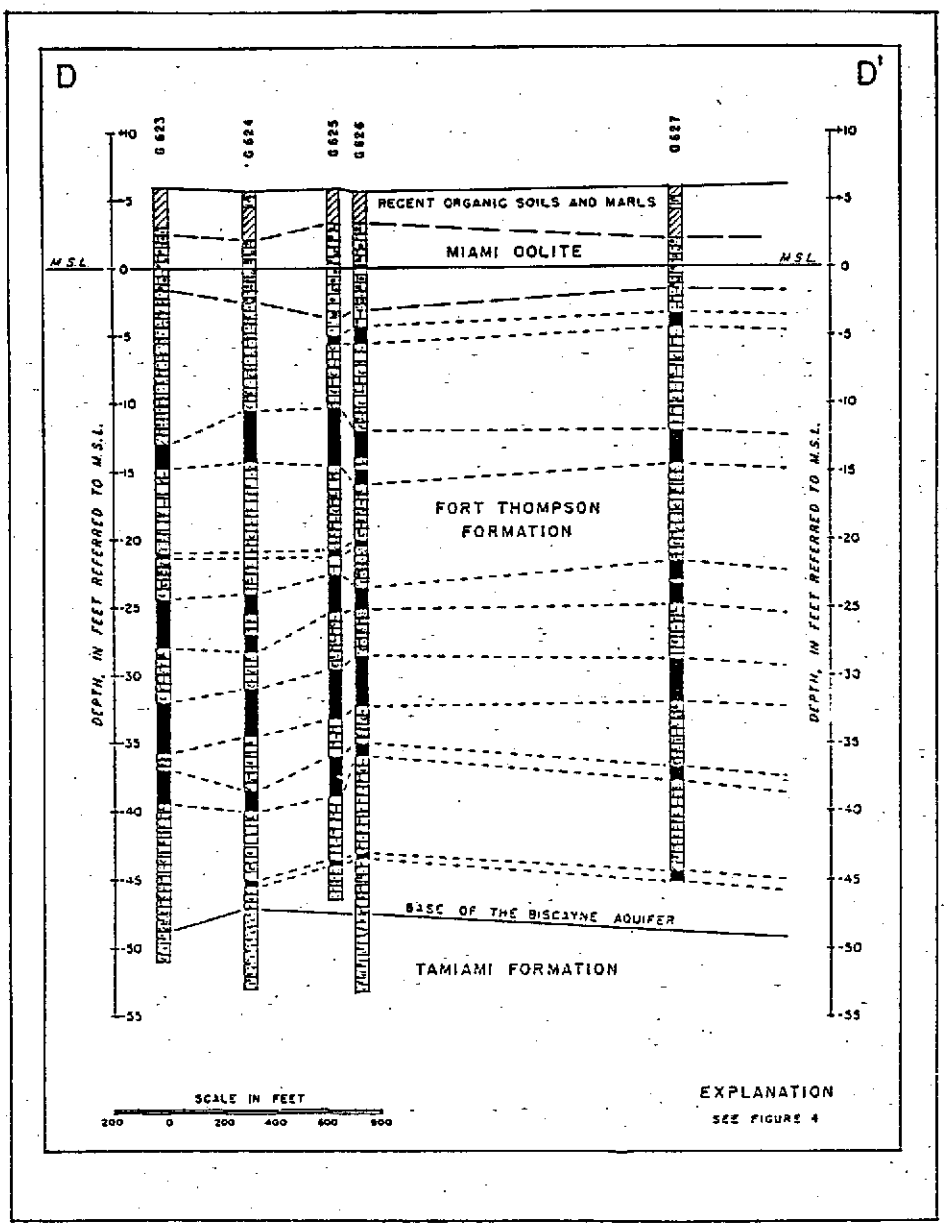
* - RCRA UNITS



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Pleistocene (Formations are contemporaneous in part)	Pamlico sand	Quartz sand, white to black or red, depending upon nature of staining materials, very fine to coarse, average medium. Mantles large areas underlain by Miami oolite and Anastasia formation.	0-40
	Miami oolite	Limestone, oolitic, soft, white to yellowish, containing streaks or thin layers of calcite, massive to crossbedded and stratified; generally perforated with vertical solution holes. Fair to good aquifer.	0-40
	Anastasia formation	Coquina, sand, calcareous sandstone, sandy limestone, and shell marl. Probably composed of deposits equivalent in age to marine members of Fort Thompson formation. Fair to good aquifer.	0-120
	Key Largo limestone	Coralline reef rock, ranging from hard and dense to soft and cavernous. Probably interfingers with the marine members of the Fort Thompson formation. Crops out along southeastern coast line of Florida from Soldier Key in Biscayne Bay to Bahia Honda. Excellent aquifer.	0-60
	Fort Thompson formation	Alternating marine, brackish-water and fresh-water marls, limestones, and sandstone. A major component of the highly permeable Biscayne aquifer of coastal Dade and Broward counties, which yields copious supplies of ground water.	0-150
Pliocene	Caloosahatchee marl	Sandy marl, clay, silt, sand, and shell beds. Yields ground water less abundantly than most other parts of the Biscayne aquifer.	0-25
Miocene	Tamiami formation	Cream, white, and greenish-gray clayey marl, silty and shelly sands, and shell marl, locally hardened to limestone. Upper part, where permeability is high, forms the lower part of the Biscayne aquifer. Lower and major part of formation is of low permeability and forms the upper beds of the aquiclude that confines water in the Floridan aquifer (Ocala and associated limestones) below.	0-100

VII. APPENDICIES

APPENDIX I

SWMU DATA SHEET

Page 1 of 2

SWMU NUMBER: 1 PHOTO NUMBER:

NAME: Container Storage Area Inside Service Center

TYPE OF UNIT: Containers

PERIOD OF OPERATION: None

PHYSICAL DESCRIPTION AND CONDITION:

Will hold 6,912 gallons of waste inside of the main building (i.e. - service center).

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED:

- D001, D006, D007, D008, F002, F003, F004, F005.

RELEASE PATHWAYS: Air ( ) Surface Water ( ) Soil ( )

*NONE Groundwater ( ) Subsurface Gas ( )

HISTORY AND/OR EVIDENCE OF RELEASES(S): NONE

RECOMMENDATIONS:
No Further Action (X)
RFA Phase II Sampling ( )
RFI Necessary ( )

REFERENCES: See Figures 1 and 3.

COMMENTS: *When fully constructed, this unit will be totally enclosed in a building and surrounded by a berm. Therefore, no release pathways are evident.

Project Name: Safety Kleen Date: February, 1991

SWMU DATA SHEET

Page 2 of 2

SWMU NUMBER: 2 PHOTO NUMBER:

NAME: Tank Storage Area Inside Tank Farm Building

TYPE OF UNIT: Tank

PERIOD OF OPERATION: None - Area under construction during the VSI.

PHYSICAL DESCRIPTION AND CONDITION:

Six - 20,000 gallons steel tanks: Two product tanks, one waste tank and three waste oil tanks within an enclosed bermed area.

WASTES AND/OR HAZARDOUS CONSTITUENTS MANAGED:

- D001/D006/D008

RELEASE PATHWAYS: Air ( ) Surface Water ( ) Soil ( )

*NONE Groundwater ( ) Subsurface Gas ( )

HISTORY AND/OR EVIDENCE OF RELEASES(S): NONE

RECOMMENDATIONS:
No Further Action (X)
RFA Phase II Sampling ( )
RFI Necessary ( )

REFERENCES: See Figures 1 and 3.

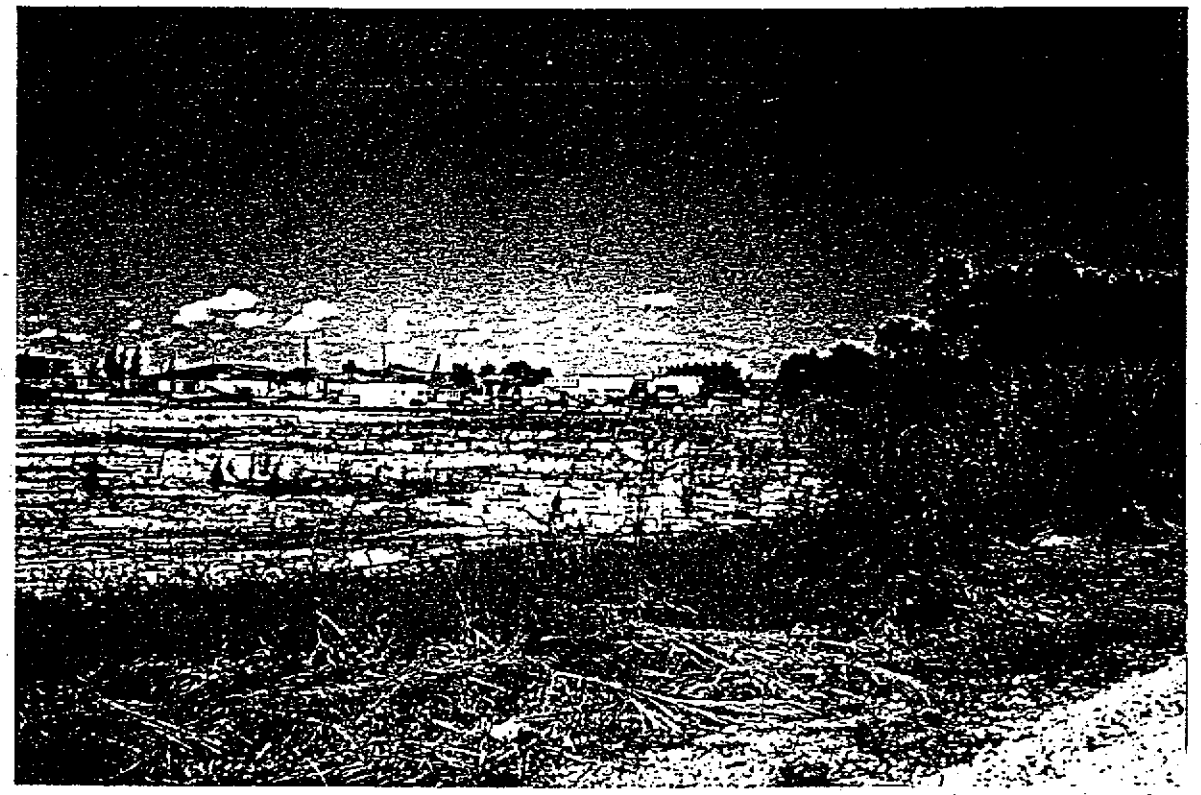
COMMENTS: *When fully constructed, this unit will have secondary containment . Therefore, no release pathways are evident.

Project Name: Safety Kleen Date: February, 1991

APPENDIX II

1. Facility Site
looking east from the southwest corner
2-19-91
John E. Griffin

2. Facility Site
looking west from the northeast corner
2-19-91
John E. Griffin



3. Facility Site
looking north from the southwest corner
2-19-91
John E. Griffin

Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406

Lawton Chiles, Governor — Carol M. Browner, Secretary

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
MAR 0 1 1991

Dade County
HW - Safety-Kleen/Medley

Mr. Scott E. Fore
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60123

Dear Mr. Fore:

Enclosed is Permit Number HC 13-175466, for the Construction of a Hazardous Waste Storage Facility, issued pursuant to Section 403.722, Florida Statutes.

Any party to this permit has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Notice is filed with the Clerk of the Department.

Acceptance of the permit constitutes notice and agreement that the Department will periodically review this permit for compliance, including site inspections where applicable.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

for A. Padrón, Ph.D

J. Scott Benyon
Deputy Assistant Secretary
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406
407/433-2650

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

R. Hilman — Clerk
3-1-91 — Date

JSB:jl:rh/23

Copies furnished to:

cc: Satish Kastury, DER/Tallahassee
DERM
Mayor Stephen P. Clark, Dade County
Rep. Ronald A. Silver
Rep. Elaine Gordon
Rep. Elaine Bloom
Rep. Jefferson Reaves, Sr.
Rep. Willie Logan, Jr.
Rep. Mario Diaz-Balart
Rep. Luis Morse
Rep. Ron Saunders
Rep. Susan Guber
Rep. Miguel DeGrandy
Rep. Daryl Jones
Sen. Lincoln Diaz-Balart
Sen. Carrie P. Meek
Sen. Larry H. Plummer
James Scarbrough/EPA Region IV, Atlanta
Tobie Wilson, Mayor, Town of Medley
Alexander Penelas
Rep. Michael I. Abrams
Rep. Michael Friedman
Rep. Alberto Gutman
Rep. James C. Burke
Rep. Luis E. Rojas
Rep. Carlos L. Valdes
Rep. Bruce Hoffman
Rep. Art Simon
Rep. John Cosgove
Rep. Rodolfo Garcia, Jr.
Sen. Roberto Casas
Sen. Jack D. Gordon
Sen. Gwen Margolis
Sen. Javier Souto

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on MAR 0 1 1991 to the listed persons.

Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE: I.D. NUMBER:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120
Attn: Scott E. Fore,
Vice President

PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: MAR 0 1 1991
EXPIRATION DATE: MAR 0 1 1992
COUNTY: Dade County
LATITUDE/LONGITUDE: N25°51'90"/W80°20'23"
SECTION/TOWNSHIP/RANGE:
PROJECT: Hazardous Waste Storage Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-4, 17-730 and in conformance with all existing regulations of the Florida Department of Environmental Regulation. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TO CONSTRUCT: A Hazardous Waste Storage Facility consisting of a container storage area and an above-ground storage tank.

The container storage area will be equipped with the following features: impervious floors with slopes toward spill containment areas, fire suppression system and controlled access (inside fenced area with locked gate). The capacity of the container storage area will be 6912 gallons (432 16-gallon containers, or the equivalent). The hazardous waste to be stored in the containers is as follows:

Dumpster Sediment	D001, D006, D007, D008
Spent Immersion Cleaner	F002, F004
Dry Cleaning Wastes	F002 or D001
Paint Wastes	F003, F005, D001, D006, D007, D008

The capacity of the above-ground storage tank is 20,000 gallons and the waste to be stored in the tank is waste mineral spirits (D001, D006, D008). The tank will be constructed with secondary containment/leak detection system.

IN ACCORDANCE WITH: Application DER Form 17-730.900(2) dated January 26, 1990 and with additional information submitted May 1, 1990, November 12, 1990, and Public Notice dated January 11, 1991.

LOCATED AT: Safety-Kleen Corporation, N.W. 96 St. and N.W. 89th Avenue, Medley, Florida.

SUBJECT TO: General Conditions 1-16 and Specific Conditions 1-10.

Recycled Paper

FILE

Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406

Lawton Chiles, Governor

Carol M. Browner, Secretary

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
MAR 0 1 1991

Dade County
HW - Safety-Kleen/Medley

Mr. Scott E. Fore
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60123

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Executed in West Palm Beach, Florida.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

for A. Padrón, Ph.D

J. Scott Benyon
Deputy Assistant Secretary
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406
407/433-2650

FILING AND ACKNOWLEDGEMENT

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R Hilman — Clerk

3-1-91 — Date

JSB:jl:rh/23

Copies furnished to:

cc: Satish Kastury, DER/Tallahassee
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Rep. Mario Diaz-Balart
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Rep. Luis E. Rojas
Rep. Carlos L. Valdes
Rep. Bruce Hoffman
Rep. Art Simon
Rep. John Cosgove
Rep. Rodolfo Garcia, Jr.
Sen. Roberto Casas
Sen. Jack D. Gordon
Sen. Gwen Margolis
Sen. Javier Souto

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Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE: I.D. NUMBER:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120
Attn: Scott E. Fore,
Vice President

PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: MAR 0 1 1991
EXPIRATION DATE: MAR 0 1 1992
COUNTY: Dade County
LATITUDE/LONGITUDE: N25°51'90"/W80°20'23"
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Paint Wastes	F003, F005, D001, D006, D007, D008

The capacity of the above-ground storage tank is 20,000 gallons and the waste to be stored in the tank is waste mineral spirits (D001, D006, D008). The tank will be constructed with secondary containment/leak detection system.

IN ACCORDANCE WITH: Application DER Form 17-730.900(2) dated January 26, 1990 and with additional information submitted May 1, 1990, November 12, 1990, and Public Notice dated January 11, 1991.

LOCATED AT: Safety-Kleen Corporation, N.W. 96 St. and N.W. 89th Avenue, Medley, Florida.

SUBJECT TO: General Conditions 1-16 and Specific Conditions 1-10.

Recycled Paper

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

I.D. NUMBER:
PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: MAR 0 1 1991
EXPIRATION DATE: MAR 0 1 1992

FILE

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

(a) Have access to and copy any records that must be kept under conditions of the permit;
(b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
(c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

(a) A description of and cause of noncompliance; and
(b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

FILE

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

I.D. NUMBER:
PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE:
EXPIRATION DATE: MAR 0 1 1991
MAR 0 1 1992

GENERAL CONDITIONS Cont'd:

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

(a) Determination of Best Available Control Technology (BACT)

(b) Determination of Prevention of Significant Deterioration (PSD)

(c) Certification of compliance with state Water Quality Standards (Section 401, PL 92-500)

(d) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

(a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
(b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
(c) Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the person responsible for performing the sampling or measurements;
3. the dates analyses were performed;
4. the person responsible for performing the analyses;
5. the analytical techniques or methods used;
6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

16. In the case of an underground injection control permit, the following permit conditions also shall apply:

(a) All reports or information required by the Department shall be certified as being true, accurate and complete.
(b) Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
(c) Notification of any noncompliance which may endanger health or the environment shall be reported verbally to the Department within 24 hours and again within 72 hours, and a final written report provided within two weeks.

1. The verbal reports shall contain any monitoring or other information which indicate that any contaminant may endanger an underground source of drinking water and any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

FILE

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

I.D. NUMBER:
PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: MAR 0 1 1991
EXPIRATION DATE: MAR 0 1 1992

GENERAL CONDITIONS Cont'd:

16. The following conditions also shall apply to a hazardous waste facility permit.

(a) The following reports shall be submitted to the Department:

1. Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.

2. Unmanifested waste report. The permittee shall submit an unmanifested waste report to the Department within 15 days of receipt of unmanifested waste.

3. Annual report. An annual report covering facility activities during the previous calendar year shall be submitted pursuant to Chapter 17-30, F.A.C.

(b) Notification of any noncompliance which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within 24 hours, and a written report shall be provided within 5 days. The verbal report shall include the name, address, I.D. number, and telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards, and the estimated quantity and disposition of recovered material. The written submission shall contain:

1. A description and cause of the noncompliance.

2. If not corrected, the expected time of correction, and the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

(c) Reports of compliance or noncompliance with, or any progress reports on, requirements in any compliance schedule shall be submitted no later than 14 days after each schedule date.

(d) All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

FILE

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

I.D. NUMBER:
PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE: MAR 0 1 1991
EXPIRATION DATE: MAR 0 1 1992

SPECIFIC CONDITIONS:

1. This permit authorizes construction only of the facility described in the application. The Department shall be notified and prior approval shall be obtained of any changes or revisions made during construction.

2. The permittee shall retain the engineer of record for the inspection of the construction of the project. Upon completion, the engineer shall inspect for conformity to the permit application and additional information submitted and shall so certify to the Department. Such certification is to be submitted within 30 days after completion.

3. The permittee, in accordance with 40 CFR 264.192(b), shall provide a professional engineer registered in the State of Florida to monitor and/or visually inspect the tank installation in order to identify the presence of any of the following items:
(a) weld breaks
(b) punctures
(c) scrapes in the protective coatings
(d) cracks
(e) corrosion
(f) other structural damage or inadequate construction/installation

All discrepancies must be remedied before the tank system is placed in use.

4. Upon completion of construction of the tank, the permittee shall perform a tightness test using hydrostatic pressure by preloading the tank with water before hazardous waste storage.

5. At a minimum, the permittee shall equip the facility with the equipment specified in the application, as required by 40 CFR 264.32.

6. The completed construction of the container storage shall be in compliance with 40 CFR 264.175 and 40 CFR 264.176.

7. The completed construction of the above-ground tank system shall be in compliance with 40 CFR 264.193 and 40 CFR 264.198.

8. The permittee may not commence storage of hazardous waste at the facility until:
(a) The permittee has submitted the engineering certification of construction in compliance with the permit application;
(b) The Department has inspected the newly constructed facility and finds it in compliance with the conditions of the permit, and other applicable state regulations;
(c) The Department has issued an Operation Permit to the facility;
(d) Personnel training has been completed.

9. The permittee shall submit an application for an Operation Permit at least 90 days prior to expiration of this permit.

10. The Department may modify the conditions in this permit upon written request of the permittee in accordance with FAC Rule 17-730.290(3).

Issued this 1st day of March 1991

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

for A. Padrón, Ph.D
J. Scott Benyon
Deputy Assistant Secretary

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

ENFORCEMENT TELEPHONE LOG

CASE NAME: SAFETY-KLEEN/MEDLEY DATE: 2/8/91 TIME: 10:27 AM

CONTACT: MELISSA HLEBASKO OF: SAFETY-KLEEN/ELGIN ILL. CALLED / WAS CALLED

PHONE: 708/697-8460 EXT 2228

****

DISCUSSION: MELESSIA WAS CALLED TO INFORM HER OF THE RECEIPT OF THE REQUEST TO INCLUDE ADDITIONAL WASTE CODES WHICH THE DEPARTMENT OVERLOOKED INCLUDING IN THE DRAFT PERMIT. THERE IS NO PROBLEM AND THE ADDITIONAL WASTE CODES WILL BE INCLUDED AS PART OF THE FINAL PERMIT. MELISSA WAS ASKED TO SEND SIKA CORP. DOCUMENTATION ABOUT SEALANT COMPATABILITY WITHIN SIKA(ECO) DAMS. (3/26/90, N.O.D 11.1.b.1)

PREPARED BY: KUCK MCKEE

Florida Department of Environmental Regula
Southeast District • 1900 S. Congress Ave., Suite A • [redacted] Palm Beach, Florida 33406 • 407-5
Bob Martinez, Governor Dale Twachtmann, Secretary John Shearer, Assistant Se
Scott Benyon, Deputy Assistant

FAX TRANSMITTAL LETTER

DATE: 2/8/91 Module #_____

TO:

NAME: MELISSA HLEBASKO

AGENCY: SAFETY-KLEEN / PERMIT WRITER

FAX TELEPHONE NUMBER: 708 / 697-0672

NUMBER OF PAGES (INCLUDING THIS PAGE) 2

FROM: KNOX McKEE

AGENCY: DER / HW

TRANSMITTAL ON A HITACHI HIFAX #35, NUMBER: 407/433-2666

IF ANY OF THE PAGES ARE NOT CLEARLY RECEIVED, PLEASE CALL 407/433-265

SENDERS NAME: KNOX McKEE

COMMENTS: MELISSA - PLEASE FURNISH ME WITH DOCUMENTATION, FROM THE SIKA CORPORATION, WHICH SUPPORTS THE SEALANT'S COMPATABILITY WITH ALL SOLVENTS IT CAN COME INTO CONTACT. THE DOCUMENTATION WILL SATISFY 11.1.b.1 OF THE FIRST NOTICE OF DEFICIENCY ISSUED 3/26/1990. THE INFORMATION SHOULD BE SUPPLIED IN SIXTY (60) DAYS. THANK YOU FOR YOUR COOPERATION.

safety-kleen®

RECEIVED
FEB 6 1991
Dept. of Environmental Reg.
West Palm Beach

FEDERAL EXPRESS

February 5, 1991

Mr. J. Scott Benyon
Deputy Assistant Secretary
Florida Department of Environmental Regulation
1900 S. Congress Avenue, Suite A
West Palm Beach, Florida 33406

Subject: Proposed Medley Service Center
Draft Construction Permit HC 13-175466

Dear Mr. Benyon,

This has been prepared as a commentary on the subject draft permit. Safety-Kleen has one comment - The list of materials to be stored and the corresponding waste codes should be changed to:

"Dumpster Sediment	D001, D006, D007, D008
Spent Immersion Cleaner	F002, F004
Dry Cleaning Waste	F002 or D001
Paint Wastes	F003, F005, D001, D006, D007, D008

The capacity of the above-ground storage tank is 20,000 gallons and the waste to stored in the tank is waste mineral spirits (D001, D006, D008)."

The underlined changes will insure the permit is consistent with the information which was submitted in the application.

You should note that Safety-Kleen will prepare an operating permit which includes the toxic characteristic leaching procedure waste codes for the waste streams in the Construction permit; the Florida DER has not yet adopted these regulation.

Thank you for your time and attention to this comment. I believe these changes are minor and can be incorporated

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

without a major modification to the permit. If you have any questions or require additional information, please contact Ms. Melissa Hlebasko, the permit writer for the Florida facilities, on extension 2228 or me on extension 2246.

Sincerely,

Ellen J. Jarczak
Environmental Permits Manager

cc: F. Stockbarger, Tampa Reg. Mgr.
Br. Mgr. (3-097-02)
J. Hartline
M. Hlebasko
F. Blickle, ERM-South
J. Krivek

Florida Department of Environmental Regulation
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400
Lawton Chiles, Governor
Carol M. Browner, Secretary

January 30, 1991

RECEIVED
FEB 5 1991
Dept. of Environmental Reg.
West Palm Beach

Mr. Pedro Espinal
Safety Kleen - Medley
7875 N.W. 54th Street
Miami, Florida 33166

RE: RCRA Facility Assessments (RFA) for Safety Kleen - Medley Facility. EPA ID Number FLD 984 171 694.

Dear Mr. Espinal:

This is to inform you that John E. Griffin, a representative of Department of Environmental Regulation, will be conducting a site visit on February 19, 1991. The trip has been coordinated with EPA, who may also send a representative. This site visit will be used to develop a Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) pursuant to Section 3004(U) of the 1984 Hazardous and Solid Waste Amendments (HSWA) of RCRA.

The intent of the RFA is to develop a list of Solid Waste Management Units (SWMUs) which may exist at your facilities and to determine any additional data gathering which may be needed. This information will be used to evaluate the potential for releases of hazardous waste or hazardous constituents from any SWMUs which may exist at your facilities.

If you have any questions on this matter, please call John E. Griffin at 904/488-0300.

Sincerely,

William Neimes

for Satish Kastury
Environmental Administrator
Hazardous Waste Regulation

SK/JEG/do

cc: James Scarbrough, EPA/Region IV
Bob Kukleski, DER/West Palm Beach

Recycled Paper

safety-kleen®

FEDERAL EXPRESS

January 22, 1991
91-MH-3

Mr. Knox McKee
Florida Department of
Environmental Regulation
1900 South Congress Avenue
Suite A
West Palm Beach, Florida 33406

RECEIVED
JAN 23 1991
Dept. of Environmental Reg.
West Palm Beach

Subject: Public Notice
Medley, Florida Service Center

Dear Mr. McKee:

This has been prepared as an addendum to the transmittal letter of January 18, 1991. Enclosed, please find one original and four copies of the Affidavit of Broadcast for the subject facility.

If you have any questions, I am available on extension 2228.

Sincerely,

Melissa Hlebasko
Environmental Permit Writer

cc: E. Jurczak, Env. Permit Mgr.
J. Hartline, Reg. Env. Eng.
J. Krivek, Reg. Const. Eng.
F. Stockbarger, Reg. Sales Mgr.
Br. Mgr (3-097-02)
F. Blickle, ERM-South
C. Norton, ERM-South

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

Radio Announcement

PUBLIC NOTICE OF PROPOSED AGENCY ACTION

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHEAST DISTRICT

The Florida Department of Environmental Regulation (DER) gives notice of its Intent To Issue a permit under the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984 (HSWA), Section 403.722, Florida Statutes, and Chapter 17-4 and 17-730 of the Florida Administrative Code (FAC) to Safety-Kleen Corporation for the construction of a hazardous waste storage facility, N.W. 96th Street and N.W. 89th Avenue, Medley, Dade County. The permit, if issued, will constitute the State permit which covers the RCRA program that was in effect prior to the passage of the HSWA. The U.S. Environmental Protection Agency (EPA) may take permitting actions under the provisions of the HSWA. With the State permit, Safety-Kleen Corporation will have a RCRA permit for those portions of the Program that were in effect prior to the passage of the HSWA.

A person who is substantially affected by the Department's proposed permitting decision may request a hearing in accordance with Section 120.57, Florida Statutes. Any person may request a public meeting pursuant to Section 403.722(10), Florida Statutes. If a petition on the Department's permit is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this preliminary statement. Therefore, persons who support the proposed agency action may also wish to intervene in the proceeding.

For more information concerning the applicable requirements of the petitioning process and the necessary time frames for filing, please contact the Southeast District Office at (407) 433-2650. The application and a copy of the State permit is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department's Southeast Florida District Office, 1900 South Congress Avenue, Suite A, West Palm Beach, FL 33406.

The following announcement was broadcast 1 times, as entered in the Station's Program Log. The times this announcement was broadcast were billed to this station's client on our invoice(s) numbered/dated as

7588 12/90 at his earned rate of:

$200.00 each for 1 announcements, for a total of $200.00

$_____ each for _____ announcements, for a total of $_____

$_____ each for _____ announcements, for a total of $_____

Jenna Page
Signature of Station Official

Wendy Harmon
Notarize above

JENNA PAGE, AM CONTINUITY DIRECTOR
Typed Name and Title

WBGZ/AM
Station

** TOTAL PAGE.002 **

REMITTANCE COPY

WINZ-AM

SAFETY KLEEN CORP.

MEMO BILLING

WINZ ZETA 94.9FM MIAMI, FLORIDA

WINZ, INC.
4330 NW 207 DR.
MIAMI, FL 33055

ORDER TYPE	AGENCY ESTIMATE NO.

REPRESENTATIVE	SALESMAN	CONTRACT NUMBER	BROADCAST MONTH
SAFETY KLEEN CORP.	ALICIA COOK	7588	1/91

ADVERTISER	PRODUCT	SCHEDULE DATES	BILLING PERIOD
SAFETY KLEEN CORP.	DADE	1/09/91	MEMO BILLING

INVOICE DOES NOT INCLUDE ANY POSSIBLE FUTURE REBATE, DISCOUNT OR MERCHANDISING BONUS. NET AMOUNT MAY BE SUBJECT TO AGENCY COMMISSION.

SCHEDULE			ACTUAL BROADCAST							RECONCILIATION		
M TU W TH F SA SU	TIME	RATE	NO.	DATES	DAY	TIME	TYPE MIN SEC	M/G FOR	COPY NUMBER	RATE	DEBIT	CREDIT	REMARKS
X	1P - 2P	200.00	1	1/09	WE	1:11P	90			200.00			

RECEIVED
JAN 23 1991
Dept. of Environmental Reg.
West Palm Beach

SCHEDULE COST FOR THIS BILLING PERIOD	ACTUAL GROSS	AGENCY COMMISSION	NET	SALES TAX	NET DUE	SUB-TOTALS	RECONCILIATION
200.00	200.00		200.00		200.00		

AGENCY / ADVERTISER AGREES TO PAY APPLICABLE CITY AND STATE SALE / USE TAXES. WE WARRANT THAT THE ACTUAL BROADCAST INFORMATION SHOWN ON THIS INVOICE WAS TAKEN FROM THE PROGRAM LOG.

safety-kleen®

FEDERAL EXPRESS

January 22, 1991
91-MH-3

RECEIVED
JAN 23 1991
Dept. of Environmental Reg.
West Palm Beach

Mr. Knox McKee
Florida Department of
Environmental Regulation
1900 South Congress Avenue
Suite A
West Palm Beach, Florida 33406

Subject: **Public Notice**
Medley, Florida Service Center

Dear Mr. McKee:

This has been prepared as an addendum to the transmittal letter of January 18, 1991. Enclosed, please find one original and four copies of the Affidavit of Broadcast for the subject facility.

If you have any questions, I am available on extension 2228.

Sincerely,

Melissa Hlebasko
Environmental Permit Writer

cc: E. Jurczak, Env. Permit Mgr.
J. Hartline, Reg. Env. Eng.
J. Krivek, Reg. Const. Eng.
F. Stockbarger, Reg. Sales Mgr.
Br. Mgr (3-097-02)
F. Blickle, ERM-South
C. Norton, ERM-South

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

RECEIVED
JAN 23 1991
Dept. of Environmental Reg.
West Palm Beach

Radio Announcement

PUBLIC NOTICE OF PROPOSED AGENCY ACTION

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHEAST DISTRICT

The Florida Department of Environmental Regulation (DER) gives notice of its Intent To Issue a permit under the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984 (HSWA), Section 403.722, Florida Statutes, and Chapter 17-4 and 17-730 of the Florida Administrative Code (FAC) to Safety-Kleen Corporation for the construction of a hazardous waste storage facility, N.W. 96th Street and N.W. 89th Avenue, Medley, Dade County. The permit, if issued, will constitute the State permit which covers the RCRA program that was in effect prior to the passage of the HSWA. The U.S. Environmental Protection Agency (EPA) may take permitting actions under the provisions of the HSWA. With the State permit, Safety-Kleen Corporation will have a RCRA permit for those portions of the Program that were in effect prior to the passage of the HSWA.

A person who is substantially affected by the Department's proposed permitting decision may request a hearing in accordance with Section 120.57, Florida Statutes. Any person may request a public meeting pursuant to Section 403.722(10), Florida Statutes. If a petition on the Department's permit is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this preliminary statement. Therefore, persons who support the proposed agency action may also wish to intervene in the proceeding.

For more information concerning the applicable requirements of the petitioning process and the necessary time frames for filing, please contact the Southeast District Office at (407) 433-2650. The application and a copy of the State permit is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department's Southeast Florida District Office, 1900 South Congress Avenue, Suite A, West Palm Beach, FL 33406.

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7588 12/90 at his earned rate of:

$200.00 each for 1 announcements, for a total of $200.00

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$_____ each for _____ announcements, for a total of $_____

Jenna Page
Signature of Station Official

Wendy Harman
Notarize above

JENNA PAGE, AM CONTINUITY DIRECTOR WINZ/AM
Typed Name and Title Station

INVOICE / AFFIDAVIT - COPY 3

WINZ-AM

WINZ ZETA 94.9FM MIAMI, FLORIDA

SAFETY KLEEN CORP.

MEMO BILLING

WINZ, INC.
4330 NW 207 DR.
MIAMI, FL 33055

REPRESENTATIVE	SALESMAN
SAFETY KLEEN CORP.	ALICIA COOK
ADVERTISER	**PRODUCT**
SAFETY KLEEN CORP.	DADE

ORDER TYPE	AGENCY ESTIMATE NO.
CONTRACT NUMBER	**BROADCAST MONTH**
7588	1/91
SCHEDULE DATES	**BILLING PERIOD**
1/09/91	MEMO BILLING

INVOICE DOES NOT INCLUDE ANY POSSIBLE FUTURE REBATE, DISCOUNT OR MERCHANDISING BONUS. NET AMOUNT MAY BE SUBJECT TO AGENCY COMMISSION.

SCHEDULE					ACTUAL BROADCAST						RECONCILIATION		
M TU W TH F SA SU	TIME	RATE	NO.	DATES	DAY	TIME	TYPE MIN SEC	M/G FOR	COPY NUMBER	RATE	DEBIT	CREDIT	REMARKS
X	1P - 2P	200.00	1	1/09	WE	1:11P	90			200.00			

SCHEDULE COST FOR THIS BILLING PERIOD	ACTUAL GROSS	AGENCY COMMISSION	NET	SALES TAX	NET DUE	SUB-TOTALS	RECONCILIATION
200.00	200.00		200.00		200.00		

AGENCY / ADVERTISER AGREES TO PAY APPLICABLE CITY AND STATE SALE / USE TAXES. WE WARRANT THAT THE ACTUAL BROADCAST INFORMATION SHOWN ON THIS INVOICE WAS TAKEN FROM THE PROGRAM LOG.

safety-kleen®

FEDERAL EXPRESS

January 18, 1991
91-MH-2

Mr. Knox McKee
Florida Department of
Environmental Regulation
1900 South Congress Avenue
Suite A
West Palm Beach, Florida 33406

Subject: Public Notice
Medley, Florida Service Center

Dear Mr. McKee:

This has been prepared in response to our telephone conversation on January 18, 1991. Enclosed, please find one original and four copies of the Affidavit of Publication for the subject facility. As we discussed, the Affidavit of Broadcast will be forwarded upon Safety-Kleen's receipt.

If you have any questions, I am available on extension 2228.

Sincerely,

Melissa Hlebasko
Environmental Permit Writer

cc: E. Jurczak, Env. Permit Mgr.
J. Hartline, Reg. Env. Eng.
J. Krivek, Reg. Const. Eng.
F. Stockbarger, Reg. Sales Mgr.
Br. Mgr (3-097-02)
F. Blickle, ERM-South
C. Norton, ERM-South

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

The Miami Herald

PUBLISHED DAILY
MIAMI — DADE — FLORIDA

STATE OF FLORIDA
COUNTY OF DADE:

Before the undersigned authority personally appeared

OLGA L. ARCIA

who on oath says that he/she is

CUSTODIAN OF RECORDS

of The Miami Herald, a daily newspaper published at Miami in Dade County, Florida; that the attached copy of advertisement was published in said newspaper in the issues of

January 8, 1991

RECEIVED
JAN 22 1991
Dept. of Environmental Reg.
West Palm Beach

Affiant further says that the said The Miami Herald is a newspaper published at Miami, in the said Dade County, Florida and that the said newspaper has heretofore been continuously published in said Dade County, Florida, each day and has been entered as second class mail matter at the post office in Miami, in said Dade County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Olga L. Arcia

Sworn to and subscribed before me this 11th day of January A.D. 19 91

My commission expires

Elsie Cantu

OF PROPOSED AGENCY ACTION
FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
SOUTHEAST DISTRICT
1900 SOUTH CONGRESS AVENUE, SUITE A
WEST PALM BEACH, FLORIDA 33406
407/433-2650

THE FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION (DER) GIVES NOTICE OF ITS INTENT TO ISSUE A PERMIT UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA), AS AMENDED BY THE HAZARDOUS AND SOLID WASTE AMENDMENTS OF 1984, SECTION 403.733, FLORIDA STATUTES, AND CHAPTER 17-4 AND 17-730 OF THE FLORIDA ADMINISTRATIVE CODE (FAC) TO Safety-Kleen Corporation, N.W. 96th Street and N.W. 82th Avenue, Medley, Dade County. The permit, if issued will be the State permit which covers the Resource Conservation and Recovery Act (RCRA) program that was in effect prior to the passage of the Hazardous and Solid Waste Amendments of 1984 (HSWA). The Environmental Protection Agency (EPA) may take permitting action under the requirements of the HSWA. With the State permit, Safety-Kleen Corporation will have a RCRA permit for those portions of the RCRA program in effect prior to the HSWA.

The State of Florida has been granted authorization for those portions of the RCRA Hazardous Waste Program that were in effect prior to the passage of the Hazardous and Solid Waste Amendments of 1984. The Federal Environmental Protection Agency will administer the applicable portions of the Hazardous and Solid Waste Amendments of 1984 (specifically the waste minimization and prior release sections) until the State receives authorization for these provisions.

A draft permit, prepared in accordance with the provisions of Chapter 17-730 of the Florida Administrative Code (FAC), contains the conditions for the construction of the hazardous waste storage facility. This facility will consist of a container storage area and an above-ground storage tank (both equipped with secondary containment) for the storage of the waste mineral spirits, dumpster sediment, immersion cleaners, dry cleaning wastes, and paint wastes (EPA Waste Codes D001, D006, D007, D008, F002, F003, F004, F005). The completed construction of the facility will be certified by a professional engineer registered in the state of Florida.

The application and a copy of the proposed permit are available for public inspection during normal working hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Florida Department of Environmental Regulation, Southeast District, 1900 South Congress Avenue, Suite A, West Palm Beach, Florida 33406, 407/433-2650.

Any interested person may submit written comments on this proposed State agency action to the Department of Environmental Regulation, Southeast Florida District Office, 1900 South Congress Avenue, Suite A, West Palm Beach, Florida 33406 within forty-five (45) days of publication of this notice. All comments on the facility will be considered by both agencies in formulating a decision on issuing the respective permits.

A person who is substantially affected by the Department's proposed permitting decision may request a hearing in accordance with Section 120.57, Florida Statutes, and Chapters 17-103, and 28-5, Florida Administrative Code. Any person may request a public meeting pursuant to Section 403.722(10), Florida Statutes. The request for a hearing or meeting must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within forty-five (45) days of publication of this notice. Failure to file a request for hearing within this time frame shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes, or a meeting under Section 403.733(10), Florida Statutes.

If a petition on the Department's permit is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Persons whose substantial interests have been affected by any decision of the Department have the right to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207, FAC., at least five (5) days before the final hearing and be filed with the hearing officer. If one has been assigned, at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

01/21/91 FLORIDA DEPARTMENT OF

PATP20 APPLICATION TI

HC PUBLIC NOTICE REPORT FOR WPB

DAYS LEFT	APPLICATION NAME	PROJECT NAME
109	SAFETY KLEEN CORP.	SAFETY KLEEN CORP.

TOTAL 1

1/22/91

BARBARA - JUST RECEIVED PUBLIC NOTICE DOCUMENT. PUBLISH DATE WAS 1/8/91 WHICH STARTS 45 DAY COUNT.

APPLICATION TRACKING SYSTEM 01/22/91

APPL [redacted]:1754[redacted]
APPL RECVD:01/26/90 TYPE CODE:HC SUBCODE:01 LAST UPDATE:12/14/90
DER OFFICE RECVD:WPB DER OFFICE TRANSFER TO:___ APPLICATION COMPLETE:11/12/90
DER PROCESSOR:MCKEE, KNOX
APPL STATUS:AC DATE:01/26/90 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)
RELIEF:__ (SSAC/EXEMPTIONS/VARIANCE)
(Y/N) N MANUAL TRACKING DISTRICT:50 COUNTY:13
(Y/N) N OGC HEARING REQUESTED LAT/LONG:25.51.90/80.20.23
(Y/N) Y PUBLIC NOTICE REQD? BASIN-SEGMENT:__.___
(Y/N) N GOV BODY LOCAL APPROVAL REQD? COE #:__________
(Y/N) Y LETTER OF INTENT REQD? I (I/ISSUE D/DENY) ALT#:___-__________

PROJECT SOURCE NAME:SAFETY KLEEN CORP.
STREET:E.OF NW 89 AVE.& NW 96TH ST. CITY:MEDLEY
STATE:FL ZIP:33166 PHONE:708-697-8460
APPLICATION NAME:SAFETY KLEEN CORP.
STREET:777 BIG TIMBER RD. CITY:ELGIN
STATE:IL ZIP:60123 PHONE:708-697-8460
AGENT NAME:HAROLD FARCHMIN
STREET:345 NORTH 95TH STREET CITY:MILWAUKEE
STATE:FL ZIP:53226 PHONE:___-___-____
FEE #1 DATE PAID:01/26/90 AMOUNT PAID:05000 RECEIPT NUMBER:00148911

B DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE - - - __/__/__
C DATE DER SENT DNR APPLICATION/SENT DNR INTENT - - - - - __/__/__--__/__/__
D DATE DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP. -. __/__/__
E DATE #1 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - 03/26/90--04/25/90
E DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - 03/26/90--11/12/90
E DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #6 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
F DATE LAST 45 DAY LETTER WAS SENT - - - - - - - - - - - __/__/__
G DATE FIELD REPORT WAS REQ--REC - - - - - - - - - - - - __/__/__--__/__/__
H DATE DNR REVIEW WAS COMPLETED - - - - - - - - - - - - __/__/__

I DATE APPLICATION WAS COMPLETE - - - - - - - - - - - - 11/12/90
J DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS - - __/__/__
K DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT - - - - 12/07/90--__/__/__
L DATE PUBLIC NOTICE WAS SENT TO APPLICANT - - - - - - - 12/07/90
M DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED - - [redacted]
N WAIVER DATE BEGIN--END (DAY 90) - - - - - - - - - - - __/__/__--__/__/__

COMMENTS:FACILITY HAS DEFERRED PARTIAL RESPONSE TO FIRST NOD TO WATER MANAGE-
MENT PLAN, DUE 6/15/90
08-27-90 FACILITY IS PROVVIDING A SCHEDULE WITH DATE WHEN INFORMATION
REQUESTED BY FIRST NOD WILL BE SUBMITTED.

APPLICATION TRACKING SYSTEM 12/14/90

APPL NO:175466
APPL RECVD:01/26/90 TYPE CODE:HC SUBCODE:01 LAST UPDATE:12/14/90
DER OFFICE RECVD:WPB DER OFFICE TRANSFER TO:___ APPLICATION COMPLETE:11/12/90
DER PROCESSOR:MCKEE, KNOX
APPL STATUS:AC DATE:01/26/90 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)
RELIEF:__ (SSAC/EXEMPTIONS/VARIANCE)
(Y/N) N MANUAL TRACKING DISTRICT:50 COUNTY:13
(Y/N) N OGC HEARING REQUESTED LAT/LONG:25.51.90/80.20.23
(Y/N) Y PUBLIC NOTICE REQD? BASIN-SEGMENT:__.___
(Y/N) N GOV BODY LOCAL APPROVAL REQD? COE #:_____
(Y/N) Y LETTER OF INTENT REQD? I (I/ISSUE D/DENY) ALT#:___-_____

PROJECT SOURCE NAME:SAFETY KLEEN CORP.
STREET:E.OF NW 89 AVE.& NW 96TH ST. CITY:MEDLEY
STATE:FL ZIP:33166 PHONE:708-697-8460
APPLICATION NAME:SAFETY KLEEN CORP.
STREET:777 BIG TIMBER RD. CITY:ELGIN
STATE:IL ZIP:60123 PHONE:708-697-8460
AGENT NAME:HAROLD FARCHMIN
STREET:345 NORTH 95TH STREET CITY:MILWAUKEE
STATE:FL ZIP:53226 PHONE:___-___-____
FEE #1 DATE PAID:01/26/90 AMOUNT PAID:05000 RECEIPT NUMBER:00148911

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C DATE DER SENT DNR APPLICATION/SENT DNR INTENT - - - - - - __/__/__--__/__/__
D DATE DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP. -. __/__/__
E DATE #1 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - 03/26/90--04/25/90
E DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - 03/26/90--**11/12/90**
E DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
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G DATE FIELD REPORT WAS REQ--REC - - - - - - - - - - - - - __/__/__--__/__/__
H DATE DNR REVIEW WAS COMPLETED - - - - - - - - - - - - - __/__/__

I DATE APPLICATION WAS COMPLETE - - - - - - - - - - - - - **11/12/90**
J DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS - - __/__/__
K DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT - - - - **12/07/90**--__/__/__
L DATE PUBLIC NOTICE WAS SENT TO APPLICANT - - - - - - - - **12/07/90**
M DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED - - __/__/__
N WAIVER DATE BEGIN--END (DAY 90) - - - - - - - - - - - - __/__/__--__/__/__

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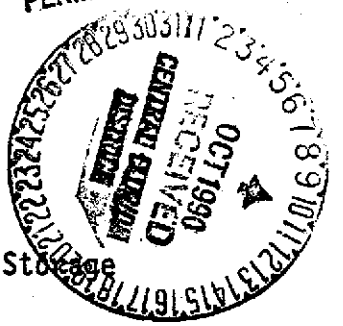
08-27-90 FACILITY IS PROVVIDING A SCHEDULE WITH DATE WHEN INFORMATION REQUESTED BY FIRST NOD WILL BE SUBMITTED.

Safety Kleen
Altamonte

safety-kleen

RECEIVED
SEP 27 1990
HAZARDOUS WASTE
PERMITTING



Certified Mail - Return Receipt Requested

September 24, 1990

Greer Tidwell
Regional Administrator
U.S. EPA Region IV
345 Courtland Street, N.E.
Atlanta, GA 30365

Subject: Addition of TC Waste Codes to Part B Permits for Storage Facilities

Orange Park, FL	FLD 980847214
Tallahassee, FL	FLD 000776773
TAMPA ~~Delray Beach, FL~~	~~FLD 000776757~~ FLD 980 847 271
Miami, FL	FLD 980840086
Altamonte Springs, FL	FLD 097837983
Port Charlotte, FL	FLD 000776716

RECEIVED
DEC 17 1990
Dept. of Environmental Reg.
West Palm Beach

Dear Mr. Tidwell:

This letter is a request for Class I modifications to the subject permits in response to the Toxic Characteristic Leaching Procedure (TCLP) regulations which will take effect on September 25, 1990. This request has been prepared in accordance with 40 CFR 124.5(a) and 270.42(g) and is permitted under 40 CFR 270.41(a)(3).

Safety-Kleen collects spent solvents from automotive, industrial and dry cleaning businesses, reclaims the used solvents and returns the reclaimed product to customers for reuse. The subject facilities are accumulation points for the spent solvents, prior to their shipment to a Safety-Kleen-owned reclamation facility at another location.

The facilities are currently permitted to store:

1) **spent mineral spirits** (D001, D006 and D008) in tanks (one tank per facility) and in containers;
2) **spent immersion cleaner** (F002 and F004) in containers;
3) **dry cleaner wastes** (F002 or D001) in containers and
4) **paint wastes** (F003, F005, D001, D006, D007 and D008) in containers.

Safety-Kleen will add the following TC Waste codes to the EPA waste codes listed above, for each waste stream: D004 through and including D011, D018, D019, D021 through and including D030 and D032 through and including D043. Safety-Kleen believes these contaminants may be present

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

in any of the wastes currently permitted at the low levels stipulated under 40 CFR 261.24.

In addition to the waste streams which are included in the permit, two waste streams are being stored which are not considered hazardous at this time, but will be newly regulated wastes because they contain contaminants in excess of toxic characteristic (TC) levels: a new formula of the previously described immersion cleaner is stored in containers and spent antifreeze (ethylene glycol) is stored in a tank. Analytical results for these wastes are attached. Safety-Kleen believes the TC waste codes listed in the previous paragraph will also apply to these waste streams.

Please provide Safety-Kleen with copies of the mailing lists for the subject permits to enable us to comply with the requirements of 40 CFR 270.42(a)(ii).

In accordance with 40 CFR 270.42(g)(1)(iv), permit modification requests will be submitted within 180 days of the effective date of the regulations (March 23, 1991).

If you have any questions or require further information, please contact me on extension 2246.

Sincerely,

Ellen J. Jurczak, P.E.
Environmental Permits Manager

EJJ/dfh

cc: Florida DER
Florida Branch Managers (3-079-01, 3-079-02, 3-163-02, 3-097-01, 3-097-01, 3-130-01)
Mpls. Reg. Mgr.
J. Hartline

TEI ANALYTICAL, INC.
7177 NORTH AUSTIN • NILES, ILLINOIS • 60648 • 708/647-1345

August 7, 1990

LABORATORY REPORT

5075

CORRECTED REPORT

Safety-Kleen Corporation
O'Hare Technical Center
P.O. Box 29050
Elk Grove Village, IL 60007

P.O. # 76856

Attn: John Dingess/Dennis Brinkman

SAMPLE RECEIVED: 05-30-90 1200

Waste Immersion Cleaner Sample

TEI NO. 74777
SAMPLE IDENTIFICATION: 188-31-1

TEST	RESULT		DATE PERFORMED
TCLP			06-05-90
Arsenic	LT 1	mg/l	06-07-90
Barium	3	mg/l	06-21-90
Cadmium	10	mg/l	06-21-90
Chromium	3	mg/l	06-21-90
Lead	42	mg/l	06-21-90
Mercury	LT 0.05	mg/l	06-12-90
Selenium	LT 1	mg/l	06-12-90
Silver	3	mg/l	06-21-90
Volatiles	See attached		06-12-90
Acid Extractables	See attached		06-13-90
Base Neutrals	See attached		06-13-90

LT = Less Than

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Gayle E. Marks, Ph.D.

Waste Immersion Cleaner Sample

TEI ANALYTICAL, INC.

7177 NORTH AUSTIN • NILES, ILLINOIS • 60648 • 708/647-1345

August 7, 1990

LABORATORY REPORT

CORRECTED REPORT

Safety-Kleen Corporation

TCLP Volatiles, Base/Neutrals, Acid Extractables

All results expressed as ppm unless otherwise indicated.
LT = Less Than
This report may not be reproduced except in its entirety.

	TEI-74777 188-31-1
Benzene	LT 1
Carbon Tetrachloride	LT 1
Chlorobenzene	220
Chloroform	LT 1
o Cresol	LT 50
m Cresol	LT 50
p Cresol	LT 50
Cresol	LT 50
1,4 Dichlorobenzene	1500.
1,2 Dichloroethane	LT 1
1,1 Dichloroethylene	LT 1
2,4 Dinitrotolene	LT 10
Hexachlorobenzene	LT 0.1
Hexachlorobutadiene	LT 10
Hexachloroethane	LT 10
Methyl Ethyl Ketone	LT 10
Nitrobenzene	LT 10
Pentachlorophenol	LT 10
Pyridine	LT 10
Tetrachloroethylene	320
Trichloroethylene	1.5
2,4,5 Trichlorophenol	LT 10
2,4,6 Trichlorophenol	LT 10
Vinyl Chloride	LT 1

Gayle E. Marks, Ph.D.

TEI ANALYTICAL, INC.

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September 5, 1989 **LABORATORY REPORT** #3465

Safety-Kleen
O'Hare Technical Center
P. O. Box 92050
Elk Grove Village, IL 60009
Attn: Essy Kiany

P.O. 73870

SAMPLE
RECEIVED: 08-24-89 1635

TEI NO. 67458
SAMPLE IDENTIFICATION: SK-AF-COMP.

TEST	RESULT	THRESHOLD VALUE		DATE PERFORMED
EP Toxicity				08-28-89
Arsenic	<0.05		mg/l	08-30-89
Barium	<0.5		mg/l	08-30-89
Cadmium	<0.1		mg/l	08-30-89
Chromium	<0.5		mg/l	08-30-89
Lead	1.7		mg/l	08-30-89
Mercury	<0.1		mg/l	09-01-89
Selenium	<1		mg/l	09-01-89
Silver	<0.5		mg/l	08-30-89

Performed on Rush Basis

his report may not be reproduced except in its entirety.

G. E. Marks

Gayle E. Marks, Ph.D.

TEI ANALYTICAL, INC.
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November 29, 1989

LABORATORY REPORT

#3995

Safety-Kleen Corp
O'Hare Technical Center
P.O. Box 92050
Elk Grove Village, IL 60009
Attn: Essy Kiani

SAMPLE RECEIVED: 10-26-89 1220

TEI NO. 70008
SAMPLE IDENTIFICATION: Crude Feed from 2nd Trial at C/R

TEST	RESULT		DATE PERFORMED
Arsenic	<0.05	mg/l	11-20-89
Barium	<2	mg/l	11-28-89
Cadmium	<1	mg/l	11-28-89
Chromium	<2	mg/l	11-28-89
Lead	<2	mg/l	11-28-89
Mercury	<0.002	mg/l	11-21-89
Selenium	<0.05	mg/l	11-21-89
Silver	<2	mg/l	11-28-89
			11-22-89
Base Neutrals (EPA 625)	see attached		11-17-89
Acid Extractables (625)	see attached		11-17-89
TCLP			11-15-89
Volatiles	see attached		11-22-89

NOTE: All tests performed on TCLP extract.

Scent Antifreeze

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Gayle E. Marks Ph.D

EXHIBIT 2, CONT. ANTIFREEZE (SPENT) TCLP RESULTS

TEI ANALYTICAL, INC.

7177 NORTH AUSTIN • NILES, ILLINOIS • 60648 • 312/647-1345

November 29, 1989

LABORATORY REPORT

#3995

Safety-Kleen Corporation

TCLP Organics

All results are expressed as ppm unless otherwise indicated.
LT = Less Than
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	TEI-70008 Crude Feed from 2nd trial at C/R
Acrylonitrile	LT 0.5
Benzene	2.5
Bis 2 Chloroethyl Ether	LT 0.05
Carbon Disulfide	LT 0.05
Carbon Tetrachloride	LT 0.05
Chlorobenzene	LT 0.05
Chloroform	LT 0.05
o-Cresol	LT 0.5
m-Cresol	LT 0.5
p-Cresol	LT 0.5
1,2 Dichlorobenzene	LT 0.5
1,4 Dichlorobenzene	LT 0.5
1,2 Dichloroethane	LT 0.05
1,1 Dichloroethylene	LT 0.05
2,4 Dinitrotoluene	LT 0.5
Hexachlorobenzene	LT 0.5
Hexachlorobutadiene	LT 0.5
Hexachloroethane	LT 0.5
Isobutanol	LT 0.5
Methylene Chloride	LT 0.05
Methyl Ethyl Ketone	LT 0.05
Nitrobenzene	LT 0.5
Pentachlorophenol	LT 0.5
Phenol	LT 0.5
Pyridine	100
1,1,2,2 Tetrachloroethane	LT 0.05
1,1,1,2 Tetrachloroethane	LT 0.05
Tetrachloroethylene PERC	39
2,3,4,6 Tetrachlorophenol	LT 0.5
Toluene	9.5
1,1,1 Trichloroethane	0.15
1,1,2 Trichloroethane	LT 0.05
Trichloroethylene	0.11
2,4,5 Trichlorophenol	LT 0.5
2,4,6 Trichlorophenol	LT 0.5
Vinyl Chloride	LT 0.05

FILE

Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406 • 407-964-9668

Bob Martinez, Governor | Dale Twachtmann, Secretary | John Shearer, Assistant Secretary
Scott Benyon, Deputy Assistant Secretary

DEC 0 7 1990

Dade County
HW - Safety-Kleen/Medley

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Scott E. Fore
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60123

RE: File Number HC 13-175466, Safety-Kleen Corporation/Medley:
Hazardous Waste Construction Permit

Dear Mr. Fore:

The subject application has been evaluated. This Department hereby gives notice of its Intent to Issue and requests the publication of notice for the above referenced permit. Pursuant to Section 403.815, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rule 17-103.150, you are required to provide public notice at your expense.

Please have the enclosed Notice of Proposed Agency Action, designated for newspaper publication, published one time only in the legal advertisement section of a newspaper of general circulation in the county where the activity is proposed. The notice must be published as soon as possible, but no later than thirty (30) days of receipt of this letter.

In addition to publication, the enclosed radio announcement shall be broadcast one time by a radio station that covers the same area. Please have the radio station submit a letter to the Department which verifies the date the notice was announced. Some stations have been providing this service as part of their public service announcement requirement.

In accordance with F.A.C. Rule 17-103.150, you must provide proof of publication to the Department within fourteen (14) days of publication. Please have the newspaper prepare an affidavit of publication and submit it to this office. Further action on your application will be taken following public notice and the waiting period specified in the notice.

If there are any questions regarding this matter contact Mr. Knox McKee at this office, telephone 407/433-2650.

Sincerely,

J. Scott Benyon
Deputy Assistant Secretary

JSB:km:rh/38

Enclosure

cc: Dade County Health Department
Satish Kastury, DER/Tallahassee
James Scarbrough/EPA Region IV, Florida RCRA Activities, Atlanta
Tobie Wilson, Mayor, Town of Medley
Chairperson, Dade County
Senator Roberto Casas
Rep. Rudulfo Garcia

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

In the Matter of an
Application for Permit by:

Safety-Kleen Corporation /
N.W. 96 St. and N.W. 89th Avenue /
Latitude N25° 51' 90" /
Longitude W80° 20' 23" /
Medley, FL 33166 /
/

DER File No. HC 13-175466
Dade County

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its Intent to Issue, and requests the publication and notice for, the above referenced permit. Upon issuance of this permit, the Department will authorize the permittee to construct a hazardous waste storage facility, consisting of a container storage area and an above-ground storage tank. This facility will be used to store waste mineral spirits, dumpster sediment, immersion cleaners, dry cleaning wastes, and paint wastes (EPA Waste Codes D001, D006, D007, D008, F002, F003, F004, F005). The completed construction of the facility will be certified by a professional engineer registered in the state of Florida, as described in the conditions of this permit. Before operation of the facility, Safety-Kleen will have applied for and received a hazardous waste operating permit.

The Department is taking this action under the authority of Section 403.722, Florida Statutes, and Florida Administrative Code Rules 17-4 and 17-730, which provide for issuance of permits to facilities that treat, store, or dispose of hazardous wastes. The issuance of this permit is based on the applicant's demonstration that this facility is in compliance with the technical and procedural requirements established in F.A.C. Chapter 17-730 and the appropriate Sections of 40 CFR Parts 260 through 266, which were adopted by reference in Chapter 17-730. This demonstration was made in the approved application submitted with DER Form 17-730.900(2) on 1/26/90 with additional information submitted on 5/1/90 and 11/12/90.

Pursuant to Section 403.815 and 403.722, F.S., and FAC Rule 17-730.220(6), you are required to publish at your own expense notice for the Department's Intent to Issue a hazardous waste construction permit to Safety-Kleen Corporation to construct a hazardous waste storage facility.

FILE

Pursuant to 17-730.220(6), Florida Administrative Code, the attached notice must be published one time only in the legal advertisement section of a major local newspaper of general circulation and broadcast over a local radio station within thirty (30) days from receipt of this letter. Proof of publication and broadcast must be provided to the Department within fourteen (14) days of publication of the notice.

Failure to publish the notice and provide proof of publication and broadcast within the allotted time may result in denial of the permit.

The Department shall issue the permit with the attached conditions unless an appropriate petition is filed for a hearing pursuant to the provisions of Section 120.57, F.S. At a formal hearing under 120.57(1), F.S., all parties shall have an opportunity to present evidence and argument on all issues involved, to conduct cross-examination and submit rebuttal evidence, to submit proposed findings of fact and orders, and to be represented by counsel. At an informal hearing under 120.57(2), F.S., the Department will provide affected persons or parties an opportunity to present evidence or a written statement in opposition to the agency's action.

Petitions for hearing must comply with the requirements of Florida Administrative Code Rule 28-5.201, (copy enclosed) and be filed with the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the applicant must be filed within forty-five (45) days of receipt of this letter. Petitions filed by other parties, or requests for public meetings by persons, must be filed within forty-five (45) days of publication or broadcast of the public notice. Petitions or requests for meetings which are not filed in accordance with the above provisions are subject to dismissal.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

12/6/90

J. Scott Benyon
Deputy Assistant Secretary
1900 South Congress Ave.,
Suite A
West Palm Beach, FL 33406
(407) 433-2650

This is to certify that this NOTICE OF INTENT TO ISSUE was mailed before the close of business on the date indicated on the return receipt request form.

R. Heilman DEC 07 1990
Signature

Newspaper Announcement

PUBLIC NOTICE OF PROPOSED AGENCY ACTION

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
SOUTHEAST DISTRICT
1900 SOUTH CONGRESS AVENUE, SUITE A
WEST PALM BEACH, FLORIDA 33406
407/433-2650

THE FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION (DER) GIVES NOTICE OF ITS INTENT TO ISSUE A PERMIT UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA), AS AMENDED BY THE HAZARDOUS AND SOLID WASTE AMENDMENTS OF 1984, SECTION 403.722, FLORIDA STATUTES, AND CHAPTER 17-4 AND 17-730 OF THE FLORIDA ADMINISTRATIVE CODE (FAC) TO Safety-Kleen Corporation, N.W. 96th Street and N.W. 89th Avenue, Medley, Dade County. The permit, if issued will be the State permit which covers the Resource Conservation and Recovery Act (RCRA) program that was in effect prior to the passage of the Hazardous and Solid Waste Amendments of 1984 (HSWA). The Environmental Protection Agency (EPA) may take permitting action under the requirements of the HSWA. With the State permit, Safety-Kleen Corporation will have a RCRA permit for those portions of the RCRA program in effect prior to the HSWA.

The State of Florida has been granted authorization for those portions of the RCRA Hazardous Waste Program that were in effect prior to the passage of the Hazardous and Solid Waste Amendments of 1984. The Federal Environmental Protection Agency will administer the applicable portions of the Hazardous and Solid Waste Amendments of 1984 (specifically the waste minimization and prior release sections) until the State receives authorization for these provisions.

A draft permit, prepared in accordance with the provisions of Chapter 17-730 of the Florida Administrative Code (FAC), contains the conditions for the construction of the hazardous waste storage facility. This facility will consist of a container storage area and an above-ground storage tank (both equipped with secondary containment) for the storage of the waste mineral spirits, dumpster sediment, immersion cleaners, dry cleaning wastes, and paint wastes (EPA Waste Codes D001, D006, D007, D008, F002, F003, F004, F005). The completed construction of the facility will be certified by a professional engineer registered in the state of Florida.

The application and a copy of the proposed permit are available for public inspection during normal working hours, 8:00 a.m. to 5:00 p.m, Monday through Friday, except legal holidays, at the Florida Department of Environmental Regulation, Southeast District, 1900 South Congress Avenue, Suite A, West Palm Beach, Florida 33406, 407/433-2650.

Any interested person may submit written comments on this proposed State agency action to the Department of Environmental Regulation, Southeast Florida District Office, 1900 South Congress Avenue, Suite A, West Palm Beach, Florida 33406 within forty-five (45) days of publication of this notice. All comments on the facility will be considered by both agencies in formulating a decision on issuing the respective permits.

A person who is substantially affected by the Department's proposed permitting decision may request a hearing in accordance with Section 120.57, Florida Statutes, and Chapters 17-103, and 28-5, Florida Administrative Code. Any person may request a public meeting pursuant to Section 403.722(10), Florida Statutes. The request for a hearing or meeting must be filed (received) in the Office of General Counsel of the Department at 2600 Blairstone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within forty-five (45) days of publication of this notice. Failure to file a request for hearing within this time frame shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes, or a meeting under Section 403.722(10), Florida Statutes.

If a petition on the Department's permit is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Persons whose substantial interests have been affected by any decision of the Department have the right to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207, FAC, at least five (5) days before the final hearing and be filed with the hearing officer, if one has been assigned, at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blairstone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

FILE

Radio Announcement

PUBLIC NOTICE OF PROPOSED AGENCY ACTION

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHEAST DISTRICT

The Florida Department of Environmental Regulation (DER) gives notice of its Intent To Issue a permit under the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984 (HSWA), Section 403.722, Florida Statutes, and Chapter 17-4 and 17-730 of the Florida Administrative Code (FAC) to Safety-Kleen Corporation for the construction of a hazardous waste storage facility, N.W. 96th Street and N.W. 89th Avenue, Medley, Dade County. The permit, if issued, will constitute the State permit which covers the RCRA program that was in effect prior to the passage of the HSWA. The U.S. Environmental Protection Agency (EPA) may take permitting actions under the provisions of the HSWA. With the State permit, Safety-Kleen Corporation will have a RCRA permit for those portions of the Program that were in effect prior to the passage of the HSWA.

A person who is substantially affected by the Department's proposed permitting decision may request a hearing in accordance with Section 120.57, Florida Statutes. Any person may request a public meeting pursuant to Section 403.722(10), Florida Statutes. If a petition on the Department's permit is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this preliminary statement. Therefore, persons who support the proposed agency action may also wish to intervene in the proceeding.

For more information concerning the applicable requirements of the petitioning process and the necessary time frames for filing, please contact the Southeast District Office at (407) 433-2650. The application and a copy of the State permit is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department's Southeast Florida District Office, 1900 South Congress Avenue, Suite A, West Palm Beach, FL 33406.

DRAFT

Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406 • 407-964-9668

Bob Martinez, Governor Dale Twachtmann, Secretary John Shearer, Assistant Secretary
Scott Benyon, Deputy Assistant Secretary

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120
Attn: Scott E. Fore,
Vice President

I.D. NUMBER:
PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE:
EXPIRATION DATE:
COUNTY: Dade County
LATITUDE/LONGITUDE: N25°51'90"/W80°20'23"
SECTION/TOWNSHIP/RANGE:
PROJECT: Hazardous Waste Storage Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-4, 17-730 and in conformance with all existing regulations of the Florida Department of Environmental Regulation. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TO CONSTRUCT: A Hazardous Waste Storage Facility consisting of a container storage area and an above-ground storage tank.

The container storage area will be equipped with the following features: impervious floors with slopes toward spill containment areas, fire suppression system and controlled access (inside fenced area with locked gate). The capacity of the container storage area will be 6912 gallons (432 16-gallon containers, or the equivalent). The hazardous waste to be stored in the containers is as follows:

Dumpster Sediment	D001, D006, D007, D008
Spent Immersion Cleaner	F002, F004
Dry Cleaning Wastes	F002
Paint Wastes	F003, F005

The capacity of the above-ground storage tank is 20,000 gallons and the waste to be stored in the tank is waste mineral spirits (D001, D008). The tank will be constructed with secondary containment/leak detection system.

IN ACCORDANCE WITH: Application DER Form 17-730.900(2) dated January 26, 1990 and with additional information submitted May 1, 1990, November 12, 1990, and Public Notice dated _____.

LOCATED AT: Safety-Kleen Corporation, N.W. 96 St. and N.W. 89th Avenue, Medley, Florida.

SUBJECT TO: General Conditions 1-16 and Specific Conditions 1-10.

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

I.D. NUMBER:
PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE:
EXPIRATION DATE:

FILE

DRAFT

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

(a) Have access to and copy any records that must be kept under conditions of the permit;
(b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
(c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

(a) A description of and cause of noncompliance; and
(b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

I.D. NUMBER:
PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE:
EXPIRATION DATE:

GENERAL CONDITIONS Cont'd:

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

(a) Determination of Best Available Control Technology (BACT)

(b) Determination of Prevention of Significant Deterioration (PSD)

(c) Certification of compliance with state Water Quality Standards (Section 401, PL 92-500)

(d) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

(a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
(b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
(c) Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the person responsible for performing the sampling or measurements;
3. the dates analyses were performed;
4. the person responsible for performing the analyses;
5. the analytical techniques or methods used;
6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

16. In the case of an underground injection control permit, the following permit conditions also shall apply:

(a) All reports or information required by the Department shall be certified as being true, accurate and complete.
(b) Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
(c) Notification of any noncompliance which may endanger health or the environment shall be reported verbally to the Department within 24 hours and again within 72 hours, and a final written report provided within two weeks.

1. The verbal reports shall contain any monitoring or other information which indicate that any contaminant may endanger an underground source of drinking water and any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

I.D. NUMBER:
PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE:
EXPIRATION DATE:

FILE

GENERAL CONDITIONS Cont'd:

16. The following conditions also shall apply to a hazardous waste facility permit.

(a) The following reports shall be submitted to the Department:

1. Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.

2. Unmanifested waste report. The permittee shall submit an unmanifested waste report to the Department within 15 days of receipt of unmanifested waste.

3. Annual report. An annual report covering facility activities during the previous calendar year shall be submitted pursuant to Chapter 17-30, F.A.C.

(b) Notification of any noncompliance which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within 24 hours, and a written report shall be provided within 5 days. The verbal report shall include the name, address, I.D. number, and telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards, and the estimated quantity and disposition of recovered material. The written submission shall contain:

1. A description and cause of the noncompliance.

2. If not corrected, the expected time of correction, and the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

(c) Reports of compliance or noncompliance with, or any progress reports on, requirements in any compliance schedule shall be submitted no later than 14 days after each schedule date.

(d) All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

PERMITTEE:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60120

I.D. NUMBER:
PERMIT/CERTIFICATION NUMBER: HC 13-175466
DATE OF ISSUE:
EXPIRATION DATE:

DRAFT

FILE

SPECIFIC CONDITIONS:

1. This permit authorizes construction only of the facility described in the application. The Department shall be notified and prior approval shall be obtained of any changes or revisions made during construction.

2. The permittee shall retain the engineer of record for the inspection of the construction of the project. Upon completion, the engineer shall inspect for conformity to the permit application and additional information submitted and shall so certify to the Department. Such certification is to be submitted within 30 days after completion.

3. The permittee, in accordance with 40 CFR 264.192(b), shall provide a professional engineer registered in the State of Florida to monitor and/or visually inspect the tank installation in order to identify the presence of any of the following items:
(a) weld breaks
(b) punctures
(c) scrapes in the protective coatings
(d) cracks
(e) corrosion
(f) other structural damage or inadequate construction/installation

All discrepancies must be remedied before the tank system is placed in use.

4. Upon completion of construction of the tank, the permittee shall perform a tightness test using hydrostatic pressure by preloading the tank with water before hazardous waste storage.

5. At a minimum, the permittee shall equip the facility with the equipment specified in the application, as required by 40 CFR 264.32.

6. The completed construction of the container storage shall be in compliance with 40 CFR 264.175 and 40 CFR 264.176.

7. The completed construction of the above-ground tank system shall be in compliance with 40 CFR 264.193 and 40 CFR 264.198.

8. The permittee may not commence storage of hazardous waste at the facility until:
(a) The permittee has submitted the engineering certification of construction in compliance with the permit application;
(b) The Department has inspected the newly constructed facility and finds it in compliance with the conditions of the permit, and other applicable state regulations;
(c) The Department has issued an Operation Permit to the facility;
(d) Personnel training has been completed.

9. The permittee shall submit an application for an Operation Permit at least 90 days prior to expiration of this permit.

10. The Department may modify the conditions in this permit upon written request of the permittee in accordance with FAC Rule 17-730.290(3).

Issued this ____ day of_____1990

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

_____
J. Scott Benyon
Deputy Assistant Secretary

HC ADDITIONAL INFORMATION REQUIRED REPORT FOR WPB

DAYS SINCE	APPLICATION NAME	PROJECT NAME	COUNTY	FILE #	REQUESTED	#REQ	PROCESSOR NAME
235	SAFETY KLEEN CORP.	SAFETY KLEEN CORP.	13	175466	03/26/90	2	MCKEE, KNOX

TOTAL 1

HC ADDITIONAL INFORMATION REQUIRED REPORT FOR WPB

DAYS SINCE	APPLICATION NAME	PROJECT NAME	COUNTY	FILE #	REQUESTED	#REQ	PROCESSOR NAME
228	SAFETY KLEEN CORP.	SAFETY KLEEN CORP.	13	175466	03/26/90	2	MCKEE, KNOX

TOTAL 1

TO: ALEX PADVA

FROM: KNOX MCKEE

SUBJ: STATUS OF CONSTRUCTION PERMIT APPLICATION. FILE NUMBER HC 13 - 175466, SAFETY-KLEEN CORPORATION/ MEDLEY.

DATE: NOVEMBER 5, 1990.

- SEPTEMBER 18, 1990 FRED BUCKLE OF THE ERM GROUP SUBMITTED A COMPLIANCE SCHEDULE FOR SUPPLYING ADDITIONAL INFORMATION IN RESPONSE TO THE FIRST NOTICE OF DEFICIENCY. (N.O.D. ISSUED MARCH 26, 1990)

- THE ERM GROUP HAS AGREED TO PROVIDE THE ADDITIONAL INFORMATION ON NOVEMBER 12, 1990 WHICH IS TO INCLUDE THE FOLLOWING:
  1.) A DRAINAGE MANAGEMENT PLAN CERTIFIED BY THE DESIGN ENGINEER;
  2.) REVISED PORTIONS OF THE CONSTRUCTION PERMIT APPLICATION (IF APPROPRIATE); AND
  3.) AN ENGINEER'S CERTIFICATION FOR THE CONSTRUCTION PERMIT APPLICATION.

- TALLAHASSEE/HAZARDOUS WASTE SECTION HAS BEEN APPRISED OF THE COMPLIANCE SCHEDULE APPROACH TO THE CONSTRUCTION PERMIT APPLICATION COMPLETION AND CONCURS WITH THE STRATEGY.

- SEPTEMBER 27, 1990 DEPARTMENT SENT MR. FRED BUCKLE, OF THE ERM GROUP, A LETTER REITERATING THE IMPORTANCE OF A TIMELY FULFILLMENT OF THE OUTSTANDING DEFICIENCIES (NOVEMBER 12, 1990) AND THE DEPARTMENT'S INTENTION OF ISSUING A PERMIT DENIAL SHOULD ERM DEFAULT ON THAT FULFILLMENT.

AN INTENT TO DENY CONSTRUCTION HAS BEEN DRAFTED AND AWAITS SIGNING SHOULD THAT LESS DESIRABLE ALTERNATIVE BECOME NECESSARY.

CC: BOB KOCIESKI

NICK KAMETH

FILE

Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406 • 407-964-9668

Bob Martinez, Governor Dale Twachtmann, Secretary John Shearer, Assistant Secretary
Scott Benyon, Deputy Assistant Secretary

September 27, 1990

Dade County
HW - Safety-Kleen Corporation

Mr. Fred Blickle
ERM-South, Inc.
9501 Princess Palm Ave
Suite 100
Tampa, FL 33619

RE: Compliance schedule for Completion of Construction Permit Application. File Number HC 13-175466, Safety-Kleen Corporation/ Medley

Dear Mr. Blickle:

The Department acknowledges receipt of the compliance schedule with dates for supplying additional information, as requested in the First Notice of Deficiencies, March 26, 1990.

Many of the items of the First Notice of Deficiencies have been satisfied through submittals received April 25, 1990 and July 5, 1990. Items requiring further attention follow:

1. Provide a site specific surface water management plan, certified by the design engineer.

2. Provide manufacturer's specifications which support that the containment area coating (Sikagard 62 or Concressive 1305) material is compatible with all solvents with which it may contact (Exhibit I.E. 3-10).

3. Provide manufacturer's specifications which support that the sump liner (SK Part No. 5280) is compatible with all solvents with which it may contact (Exhibit I.E. 3-10).

4. Drawing D 11150, solvent pump piping installation details have not, to date, been supplied to the Department. The drawing should show the location of the tank's drain line connection, vent line connection, fill line connection and the connection of the high level alarm transmitter.

5. Revised portions of the construction permit application (if appropriate).

6. An engineer's certification for the construction permit application.

Recycled Paper

FILE

The Department looks forward to the correction of these deficiencies no later than November 12, 1990. If a complete response to each item is not submitted in compliance with this time frame the Department will deny the permit. If you have any questions or would like any clarification of the above items contact Knox McKee at (407) 433-2650.

Sincerely,

J. Knox McKee, Jr.
Engineer, Hazardous Waste Permitting

JKM:rh/19

cc: Satish Kastury, DER/Tallahassee
James Scarbrough/EPA Region IV, Florida RCRA Activities, Atlanta
Ms. Ellen Jurczak, Safety-Kleen
File, Report Coordinator
File, DER/WPB

K. McKee
FDER-WPB

ERM-South, inc.

9501 Princess Palm Avenue, Suite 100 • Tampa, Florida 33619 • (813) 622-8727
2858 N. W. 79th Avenue • Miami, Florida 33122 • (305) 591-3076

Reply To: Tampa Office

RECEIVED
SEP 21 1990
Dept. of Environmental Reg.
West Palm Beach

Submitted Via FAX: (407) 433-2666

September 18, 1990

Project No. 13112.21, Task 1

Mr. Robert Kukleski
Florida Department of Environmental
Regulation
1900 S. Congress Avenue
Suite A
West Palm Beach, FL 33406

RE: Safety-Kleen Corp, Medley, Florida Facility

Dear Mr. Kukleski:

As I discussed with Knox McKee, Environmental Resources Management-South, Inc. (ERM) is in the process of reviewing the Construction Permit Application for the above-referenced facility. Mr. McKee and I discussed a schedule for completion of outstanding issues which I will provide in this transmittal, but I would first like to summarize these issues.

The primary outstanding issue concerns a site drainage management plan, which is being prepared by another consultant for Safety-Kleen. Although we have reviewed the preliminary version, the final version will not be available until later this week. ERM will review the final plan and arrange for any necessary revisions. In conjunction with this review, we will check rainfall calculations and other stormwater management issues. We will also review the application in its entirety. Following completion of necessary revisions and finalization of the drainage management plan, we will certify the application.

Because another consultant is involved in this process I would like to allow ample time for review and revision of the drainage management plan. It is quite possible that we can have those issues resolved within four weeks, but I would like to allow eight weeks in case we run into complications. Therefore, the submission date requested is November 12, 1990. Please

An affiliate of The Environmental Resources Management Group with offices throughout North America

The ERM Group

let me know as soon as possible if there are any problems with this date. In summary, on November 12, 1990 we will submit to you:

1. A drainage management plan certified by the design engineer;

2. Revised portions of the construction permit application (if appropriate); and

3. An engineer's certification for the construction permit application.

If you have any comments or questions concerning this matter, please do not hesitate to contact me. We appreciate the assistance that you and Mr. McKee have provided in this matter and look forward to successfully completing the application.

Sincerely,

Fred W. Blickle

Fred W. Blickle, P.E.
Project Manager

cms:mmm

cc: Matt Heppner - SK Elgin
Ellen Jurczak - SK Elgin
Gary Long - SK Elgin
Knox McKee - FDER West Palm Beach
Cindy Norton - ERM

The ERM Group

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)	Initial / Date
SATISH KASTURY	
2. HAZARDOUS WASTE PERMITTING	Initial / Date
3. DER / TALLAHASSEE	Initial / Date
4.	Initial / Date

REMARKS:

SATISH -

ERM SOUTH'S, AUGUST 31, 1990, LETTER (ATTACHED) DETAILS THE APPROACH TO BE TAKEN ON THE SAFETY-KLEEN CONSTRUCTION PERMIT.

INFORMATION	
	Review & Return
	Review & File
	Initial & Forward

DISPOSITION	
	Review & Respond
	Prepare Response
	For My Signature
	For Your Signature
	Let's Discuss
	Set Up Meeting
	Investigate & Report
	Initial & Forward
	Distribute
	Concurrence
	For Processing
	Initial & Return

FROM:

KNOX MCKEE

DATE 9/4/90

PHONE

SC: 232-2650

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)	Initial / Date
MIKE GRAHAM	
2. DERM	Initial / Date
3.	Initial / Date
4.	Initial / Date

REMARKS:

MIKE :

SAFETY-KLEEN/MEDLEY STORM WATER MANAGEMENT PLAN. ANY COMMENTS ON THE PLAN'S ADEQUACY WOULD BE APPRECIATED. THANK YOU FOR YOUR PROMPT ATTENTION.

INFORMATION

- [ ] Review & Return
- [ ] Review & File
- [ ] Initial & Forward
- [ ]

DISPOSITION

- [ ] Review & Respond
- [ ] Prepare Response
- [ ] For My Signature
- [ ] For Your Signature
- [ ] Let's Discuss
- [ ] Set Up Meeting
- [ ] Investigate & Report
- [ ] Initial & Forward
- [ ] Distribute
- [ ] Concurrence
- [ ] For Processing
- [ ] Initial & Return

FROM:

KNOX McKEE
HW PERMITTING

DATE 8/21/90

PHONE SC: 232-2650

safety-kleen®

FEDERAL EXPRESS

August 1, 1990
RO 90-241

Mr. Knox McKee
Florida Department of Environmental Regulation
1900 S. Congress Ave.
West Palm Beach, FL 33406

Subject: Proposed Medley Service Center

Dear Mr. McKee,

This has been prepared in response to our phone conversation on July 20, 1990. Please find enclosed revised pages for text, the revised drawing for the 6-Pack Concrete Details and Sections (Exhibit I.E. 3-6), the information regarding demonstration of compatability of the coatings and the solvents used at this facility and an explanation of how the drawings are associated with the used solvent tank system. In addition, the storm water management plan has been completed by the consulting firm and is enclosed.

If you have any questions or require further information, please contact me on extension 2550.

Sincerely,

Rob Omiecinski
Environmental Permit Writer

RO/dfh

cc: F. Stockbarger, Tampa Reg. Mgr.
Br. Mgr. (3-097-02)
J. Hartline
G. Garneau

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)	Initial / Date
MR. FRED BLICKLE	
2. ERM SOUTH	Initial / Date
3. SUITE 100	Initial / Date
4. 9501 PRINCESS PALM AVE	Initial / Date

REMARKS:

TAMPA, FLA. 33619

FRED -

A COPY OF THE (5/17/90) TELECON. W/ SAFETY-KLEEN, AS REQUESTED.

INFORMATION	
	Review & Return
	Review & File
	Initial & Forward

DISPOSITION	
	Review & Respond
	Prepare Response
	For My Signature
	For Your Signature
	Let's Discuss
	Set Up Meeting
	Investigate & Report
	Initial & Forward
	Distribute
	Concurrence
	For Processing
	Initial & Return

FROM:

KNOX McKEE

DATE 8/23/90

PHONE

407/433-2650

Item Subject: ELECTRONIC MAIL

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

In the Matter of an
Application for Permit by:

Mr. Bob Omiecinski /
Environmental Permit Writer /
Safety-Kleen Corporation /
777 Big Timber Road /
Elgin, IL 60120 /
_____/

DER File No. HC 13-175466
Palm Beach County
Safety-Kleen Corp.

INTENT TO DENY

The Department of Environmental Regulation hereby gives notice of its Inte Deny a permit for the proposed project as detailed in the application specified The Department is issuing this Intent to Deny for the reasons stated below.

The applicant, Safety-Kleen Corp., applied on January 26, 1990 to the Depa of Environmental Regulation for a permit to construct a hazardous waste storage at the Delray Beach facility.

The Department of Environmental Regulation on March 26, 1990 issued a Noti Deficiencies requesting additional information pursuant to Florida Administrativ (FAC) Rule 17-730.220 and Chapter 403.0876 Florida Statutes (FS). Safety-Kleen provided with thirty (30) days to correct the noted deficiencies. The Notice of Deficiencies stated that if the facility could not submit the requested informat within thirty (30) days the facility had to provide a schedule with dates when t information would be submitted.

The facility provided a schedule with dates when outstanding information w

submitted. The scheduled submission dates were not met and repeated requests fo additional information have not been satisfied.

Pursuant to Sections 403.815, F.S., and F.A.C. Rule 17-30.220, you (the ap are required to publish at your expense the enclosed Notice of Proposed Agency A permit application. The notice must be published one time only in a section of newspaper of general circulation in the county in which the project is located, broadcast over a local radio station within thirty (30) days from receipt of thi intent. Proof of publication and broadcast must be provided to the department w fourteen (14) days of publication of the notice.

Failure to publish the notice and provide proof of publication within the time may result in the denial of the permit without any further notice or opport for hearing.

The Department will deny the permit in accordance with the grounds herein petition for an administrative proceeding (hearing) is filed pursuant to the pro

Mr. Bob Omiecinski / DER File No. HC 13-175466
Environmental Permit Writer / Palm Beach County
Safety-Kleen Corporation / Safety-Kleen Corp.

of Section 120.57, F.S. A person whose substantial interests are affected by th Departments proposed permitting decision may petition for an administrative proc (hearing) in accordance with Section 120.57(1), F.S. Petitions must comply with requirements of F.A.C. Rules 17-103.155 and 28.5.201 (copies enclosed) and be fi the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallah Florida 32399-2400. Petitions filed by the permit applicant must be filed withi fourteen (14) days of receipt of this intent. Petitions filed by other persons filed within fourteen (14) days of receipt of this intent, whichever first occur Failure to file a petition within this time period shall constitute a waiver of right such person may have to request an administrative proceeding (hearing) und Section 120.57, F.S., concerning the subject application. Petitions which are n in accordance with the above provisions will be dismissed.

DONE AND ENTERED this _____ day of _____, ____ in West Pa Beach, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

_____
J. Scott Benyon
Deputy Assistant Secretary

1900 South Congress Ave.,
Suite A
West Palm Beach, FL 33406

JSB:rk:rh/37

Copies furnished to:

cc: Satish Kastury, DER/Tallahassee
James Scarbrough/EPA Region IV, Florida RCRA Activities,
Atlanta
Mike Graham, DERM

This is to certify that this NOTICE OF INTENT TO DENY was mailed before th
of business on the date indicated on the return receipt request form.

_____
Signature

Enclosures:
F.A.C. 17-103.155
F.A.C. 28-5.201

Dade County
HW - Safety-Kleen Corporation

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Rob Omiecinski, Environmental Permit Writer
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60123

Dear Mr. Omiecinski:

RE: File Number HC 13-175466, Safety-Kleen Corporation/Medley
Intent to Deny Construction Permit Application #HC 13-175466
Dade County

The subject application has been evaluated. This Department hereby gives notice Intent to Deny and requests the publication of notice for the above referenced p Pursuant to Section 403.815, Florida Statutes (F.S.), and Florida Administrative (F.A.C.) Rule 17-730.220(6), you are required to provide public notice at your e the attached Notice of Proposed Agency Action. Also, attached are the Intent to and language for the newspaper and radio announcements.

Pursuant to Rule 17-103.150, the Notice must be published one time only in the l advertisement section of a major local newspaper of general circulation in Dade within thirty (30) days of receipt of this letter. Proof of publication and bro must be provided to the Department within fourteen (14) days of publication of t notice.

Failure to publish this notice and provide proof of publication and broadcast wi allotted time may result in denial of the permit without any further notice or opportunity for hearing.

Sincerely,

J. Scott Benyon
Deputy Assistant Secretary

JSB:rk:rh/18

Enclosure

cc: James Scarbrough, EPA Region IV, Florida RCRA Activities/Atlanta
Satish Kastury, DER/Tallahassee
Mike Graham, DERM
Hazardous Waste Enforcement, DER/WPB

RADIO ANNOUNCEMENT

State of Florida

Department of Environmental Regulation

Notice of Proposed Agency Action on Permit Application

The Department gives notice of its Intent To Deny a permit to Safety-Kleen Corporation, East of NW 89th Avenue and 96th Street, Florida to operate a hazard waste storage facility.

Persons whose substantial interests are affected by the Department's propo permitting decision may petition for an administrative hearing in accordance wit section 120.57, Florida Statutes. If a petition is filed, the administrative he process is designed to formulate agency action. Accordingly, the Department's f action may be different from the position taken by it in this preliminary statem

Therefore, persons who support the proposed agency action may also wish to inter the proceeding.

For more information concerning the applicable requirements of the petitio process and the necessary time frames for filing, please contact the Southeast F District Office at (407)433-2650. The application is available for public inspe during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, exc legal holidays, at the Department's Southeast Florida District Office, 1900 Sout Congress Avenue, Suite A, West Palm Beach, FL 33406

Newspaper Announcement

State of Florida

Department of Environmental Regulation

Notice of Proposed Agency Action on Permit Application

The Department gives notice of its Intent to Deny a permit to Safety-Kleen Corporation to construct a hazardous waste storage facility East of NW 89th Aven 96th Street, Medley, Florida. Safety-Kleen Corp. has failed to provide the Depa with additional permit application information as requested. Thereby the Depart issuing an Intent to Deny due to the incompleteness of the permit application.

Persons whose substantial interests are affected by the Department's propo permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must conf the requirements of Florida Administrative Code (F.A.C.), Chapters 17-103 and 28

must be filed (received) in the Office of General Counsel of the Department at 2 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a request for hearing within this t period constitutes a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be diff from the position taken by it in this preliminary statement. Therefore, persons not object to the proposed agency action may wish to intervene in the proceeding petition for intervention must be filed pursuant to Model Rule 28-5.207, F.A.C., least five (5) days before the final hearing and may be filed with the hearing o if one has been assigned at the Division of Administrative Hearings, Department Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32399. If no heari officer has been assigned, the petition is to be filed with the Department's Off General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399. Failure to to intervene within the allowed time frame constitutes a waiver of any right suc has to request a hearing under Section 120.57, F.S.

The application is available for public inspection during normal business 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department's Southeast Florida District Office, 1900 South Congress Ave., West P Beach, Florida 33406.

safety-kleen®

FEDERAL EXPRESS

August 1, 1990
RO 90-241

Mr. Knox McKee
Florida Department of Environmental Regulation
1900 S. Congress Ave.
West Palm Beach, FL 33406

Subject: Proposed Medley Service Center

Dear Mr. McKee,

This has been prepared in response to our phone conversation on July 20, 1990. Please find enclosed revised pages for text, the revised drawing for the 6-Pack Concrete Details and Sections (Exhibit I.E. 3-6), the information regarding demonstration of compatability of the coatings and the solvents used at this facility and an explanation of how the drawings are associated with the used solvent tank system. In addition, the storm water management plan has been completed by the consulting firm and is enclosed.

If you have any questions or require further information, please contact me on extension 2550.

Sincerely,

Rob Omiecinski

Rob Omiecinski
Environmental Permit Writer

RO/dfh

cc: F. Stockbarger, Tampa Reg. Mgr.
Br. Mgr. (3-097-02)
J. Hartline
G. Garneau

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

Memo From: Rob Omiecinski

KNOX,

S-K handles 4-A and 6-B wastes. As per 40 CFR 264, App. V, these wastes are not incompatible with one another. Containers and tanks are mild steel and liners are epoxy/urethane or polyethylene. (The concrete is also sealed with an epoxy/urethane coating.) The solvents listed in S-K's part B app. are only incompatible with strong oxidizers and reactive metals.

RECEIVED
AUG 2
Dept. of Environmental Reg.
West Palm Beach

safety-kleen corp.
777 BIG TIMBER ROAD • ELGIN, ILLINOIS 60123 PHONE 708/697-8460

This list is not intended to be exhaustive. An owner or operator must, as the regulations require, adequately analyze his wastes so that he can avoid creating uncontrolled substances or reactions of the type listed below, whether they are listed below or not.

It is possible for potentially incompatible wastes to be mixed in a way that precludes a reaction (e.g., adding acid to water rather than water to acid) or that neutralizes them (e.g., a strong acid mixed with a strong base), or that controls substances produced (e.g., by generating flammable gases in a closed tank equipped so that ignition cannot occur, and burning the gases in an incinerator).

In the lists below, the mixing of a Group A material with a Group B material may have the potential consequence as noted.

GROUP 1-A

Acetylene sludge
Alkaline caustic liquids
Alkaline cleaner
Alkaline corrosive liquids
Alkaline corrosive battery fluid
Caustic wastewater
Lime sludge and other corrosive alkalies
Lime wastewater
Lime and water
Spent caustic

GROUP 1-B

Acid sludge
Acid and water
Battery acid
Chemical cleaners
Electrolyte, acid
Etching acid liquid or solvent
Pickling liquor and other corrosive acids
Spent acid
Spent mixed acid
Spent sulfuric acid

Potential consequences: Heat generation; violent reaction.

GROUP 2-A

Aluminum
Beryllium
Calcium
Lithium
Magnesium
Potassium
Sodium
Zinc powder
Other reactive metals and meta. hydrides

GROUP 2-B

Any waste in Group 1-A or 1-B

Potential consequences: Fire or explosion; generation of flammable hydrogen gas.

GROUP 3-A

Water

GROUP 3-B

Any concentrated waste in Groups 1-A or 1-B
Calcium
Lithium
Metal hydrides
Potassium
SO_2Cl_2, $SOCl_2$, PCl_3, CH_3SiCl_3
Other water-reactive waste

Potential consequences: Fire, explosion, or heat generation; generation of flammable or toxic gases.

GROUP 4-A

Alcohols
Aldehydes
Halogenated hydrocarbons
Nitrated hydrocarbons
Unsaturated hydrocarbons
Other reactive organic compounds and solvents

GROUP 4-B

Concentrated Group 1-A or 1-B wastes
Group 2-A wastes

Potential consequences: Fire, explosion, or violent reaction.

GROUP 5-A

Spent cyanide and sulfide solutions

GROUP 5-B

Group 1-B wastes

Potential consequences: Generation of toxic hydrogen cyanide or hydrogen sulfide gas.

GROUP 6-A

Chlorates
Chlorine
Chlorites
Chromic acid
Hypochlorites
Nitrates
Nitric acid, fuming
Perchlorates
Permanganates
Peroxides
Other strong oxidizers

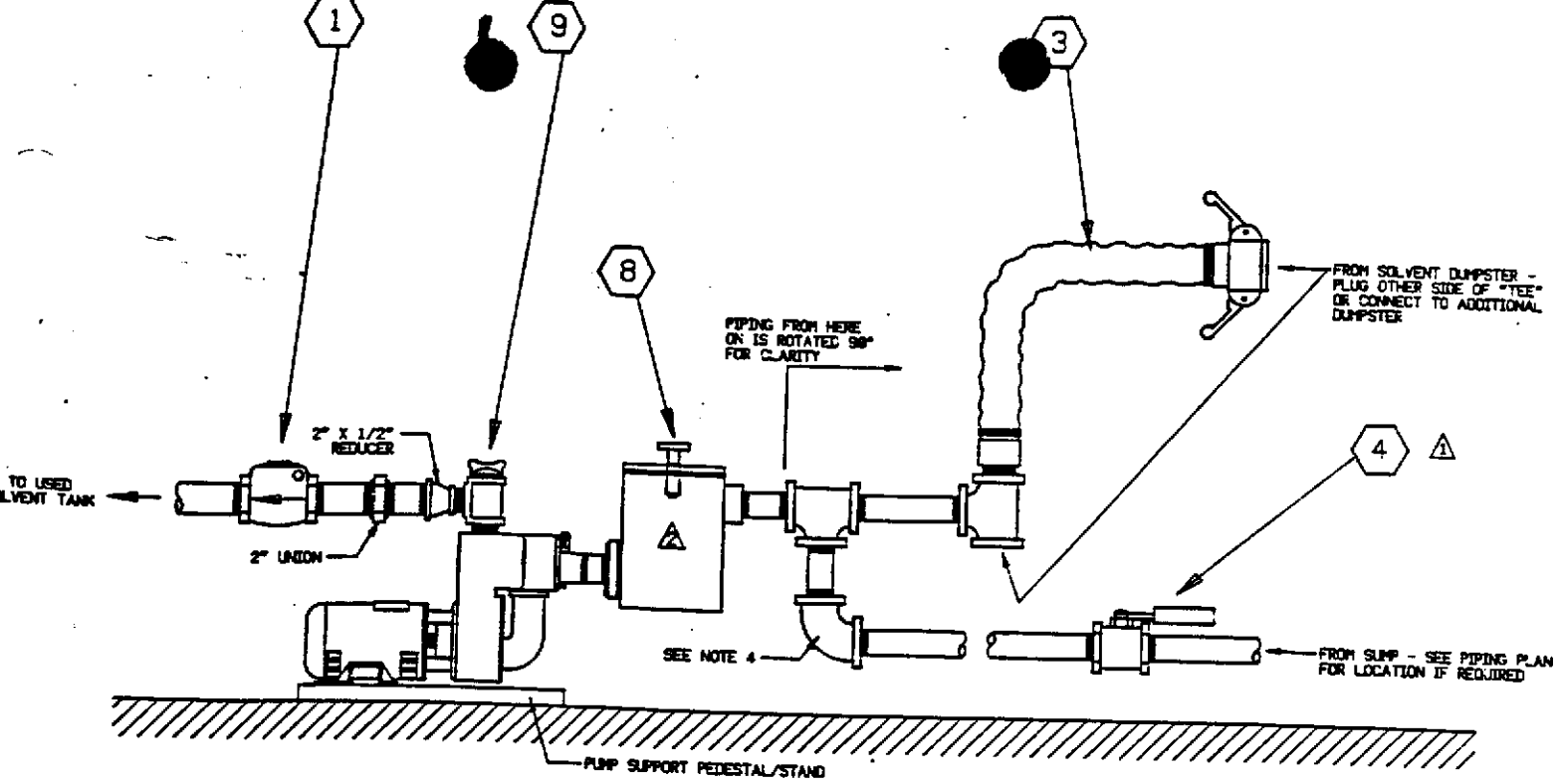
GROUP 6-B

Acetic acid and other organic acids
Concentrated mineral acids
Group 2-A wastes
Group 4-A wastes
Other flammable and combustible wastes

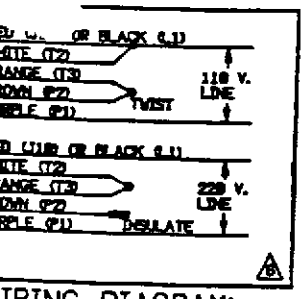
Potential consequences: Fire, explosion, or violent reaction.

Source: "Law, Regulations, and Guidelines for Handling of Hazardous Wastes" California Department of Health, February 1972.

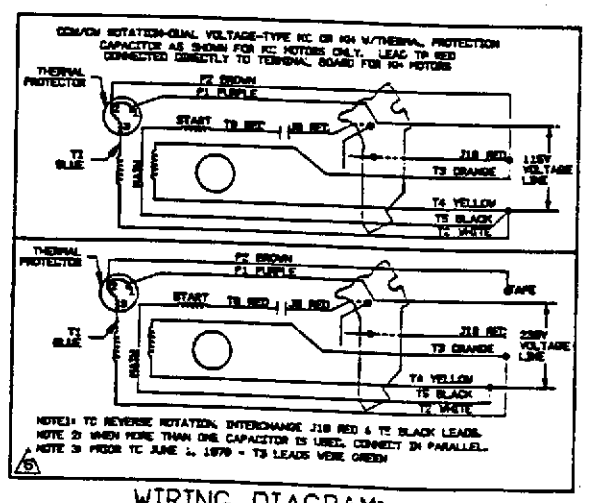
RECEIVED
AUG 2 1979
Dept. of Environmental Reg.
West Palm Beach



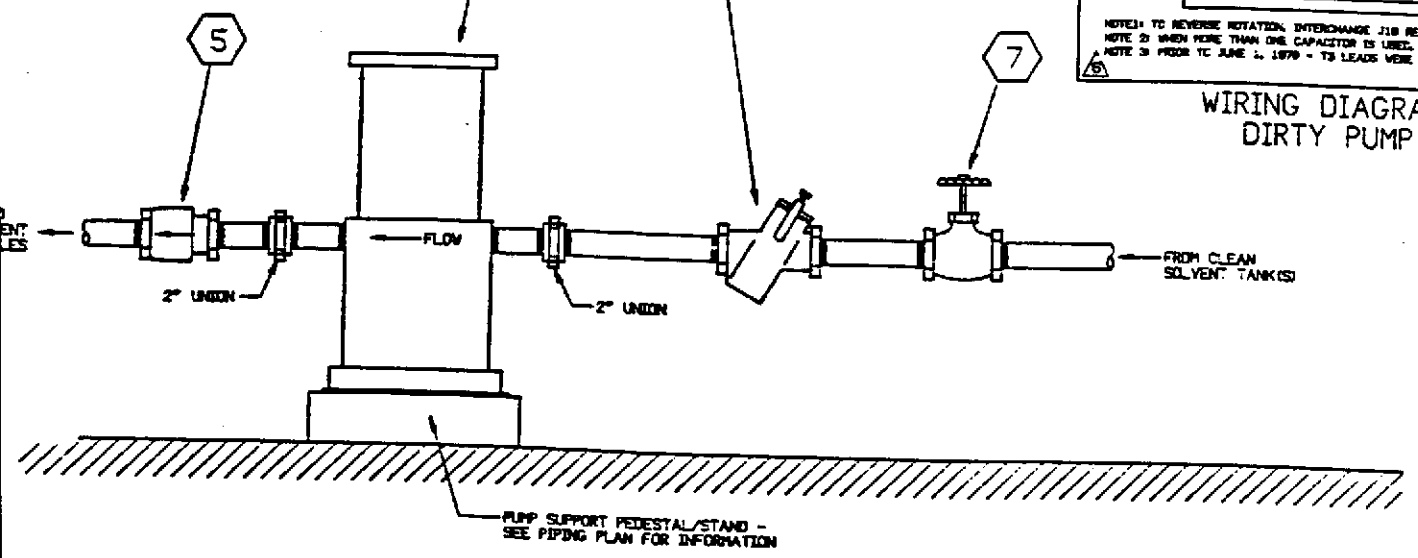
USED SOLVENT PUMP INSTALLATION



WIRING DIAGRAM:
CLEAN PUMP



WIRING DIAGRAM:
DIRTY PUMP



CLEAN SOLVENT PUMP INSTALLATION

EQUIPMENT / FIXTURE SCHEDULE

MARK	SIZE	DESCRIPTION	SK PART NO.	REMARKS
1	2"	2" BRONZE CHECK VALVE - MORRISON BROS. FIG. 246-A	5288	
2	2"	2" MARLOW PUMP - 28 EVP 18A 1 HP EXPLOSION PROOF MOTOR W/JUNCTION BOX - VITON FITTED	5240	SEE SPECIFICATION DETAILS ON SAFETY-KLEEN DWG. A11118 BELOW
3	2"	2" DUMPSTER HOSE ASSEMBLY	5234	SEE SAFETY-KLEEN DWG. D18452 FOR DETAILED INFORMATION
⚠1 4	2"	2" APOLLO BALL VALVE, BRONZE BODY W/STAINLESS STEEL BALL & TRIM, TEFLON SEALS & CONBRACO SPRING LOADED SELF CLOSING DEADMAN HANDLE	5272	
5	2"	2" BACK PRESSURE VALVE VERTICAL TYPE WITH 6 PSI SPRING SETTING - MORRISON BROS. FIG. 158-B/PR (15 P.S.I. OPEN)	5288	FOR ABOVEGROUND TANK INSTALLATION ONLY
6	2"	2" LINE STRAINER W/TOP CLEAN-OUT W/#28 MESH MORRISON BROS. FIG. 286	5289	
7	2"	2" BRONZE GATE VALVE MORRISON BROS. FIG. 235	5236	
⚠2 8	2"	2" MARLOW SUCTION STRAINER ASSEMBLY MODEL 2818X W/STAINLESS STEEL BASKET W/#18 PERFORATIONS	5313	FLANGED DISCHARGE PORT OF STRAINER SERVES AS UNION ON SUCTION SIDE OF PUMP
9	1 1/2"	1 1/2" MARLOW PUMP - 1 1/2HR49EC. SINGLE PHASE, EXPLOSION PROOF, BUNA FITTED, SELF PRIMING CENTRIFUGAL	5338	SEE DETAIL BELOW LEFT

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AUG 2 1990
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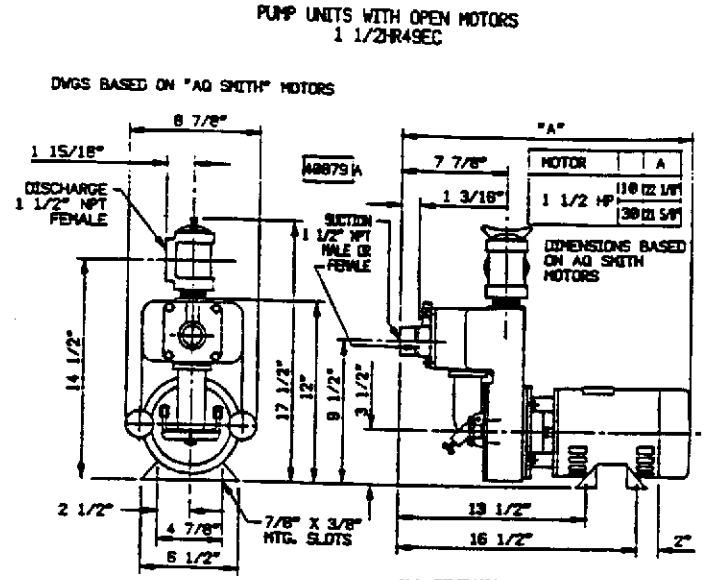
West Palm Beach

PUMP UNITS WITH OPEN MOTORS
1 1/2HR49EC

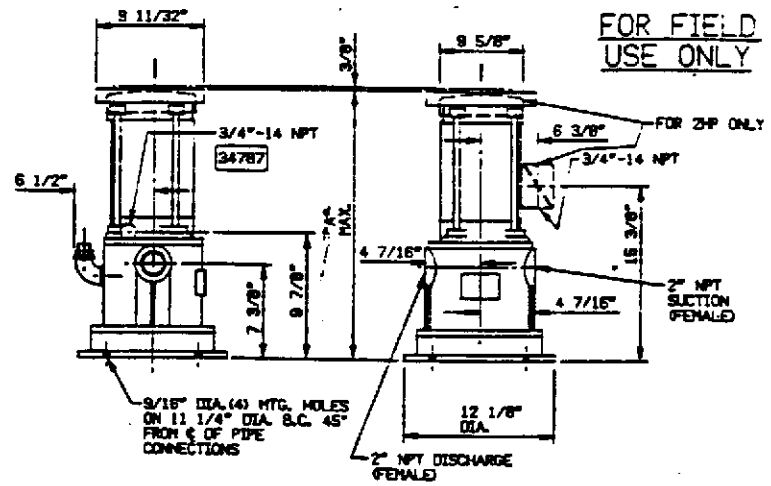
DWGS BASED ON "AO SMITH" MOTORS



ALL DIMENSIONS SHOWN IN INCHES

THESE DIMENSIONS NOT TO BE USED FOR CONSTRUCTION PURPOSES WITHOUT FORMAL FACTORY APPROVAL.

FOR FIELD USE ONLY



GENERAL NOTES

1. MODEL TO BE USED BY SAFETY-KLEEN CORP. - MODEL 28 EVP-18A, 1 HP - 2" WITH EXPLOSION PROOF MOTOR W/JUNCTION BOX & VITON FITTED, SINGLE PHASE 60 CYCLE 115/230V.
2. SEE INDIVIDUAL SERVICE CENTER SITE PLANS FOR LOCATION OF THE INSTALLATION.

S-K PART NO.	G.E. EXPL. PROOF MOTORS				
	HP	PHASE	CYCLE	A	
5240	1	1	60	28 13/32"	115/230

GENERAL NOTES

1. THIS DRAWING SUPERCEDES SAFTY-KLEEN CORP. DRAWING A1118
2. SEE INDIVIDUAL SERVICE CENTER SITE & PIPING PLANS FOR LOCATIONS & ARRANGEMENT OF THESE DETAILS.
3. FOR UNDERGROUND TANK INSTALLATIONS, A 90° CHECK VALVE MORRISON BROS. FIG. 137 OR APPROVED EQUAL SHOULD BE INSTALLED AT TOP OF TANK ON CLEAN PUMP SUCTION LINE (CLEAN TANKS ONLY).
- ⚠4. ALL PIPING TO BE 2" SCHEDULE 40 GALVANIZED UNLESS OTHERWISE SPECIFIED. ALL CHANGES OF DIRECTION IN DIRTY SOLVENT PIPING TO BE ACCOMPLISHED USING EITHER (2)-45° ELBOWS OR (1)-LONG RADIUS 90° ELBOW.
5. THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN CORP. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.
- ⚠6. ALL ITEMS WITH SAFETY-KLEEN PART NO. REFERENCES WILL BE SUPPLIED TO CONTRACTOR.

EXHIBIT III-3

⚠6	ADDED W.O.'S FOR CLEAN & USED PUMPS	RD	
⚠5	ADDED NEW PUMP FOR DIRTY SOLVENT TO VIEW & TABLE & ADDED PUMP SPEC.'S	RD	
⚠4	ADDED NOTE 6	WJ	
⚠3	ADDED PUMP SPEC - DWG A11118	WJ	
⚠2	ADDED ITEM 8 & ADDED TO NOTE 4	WJ	
⚠1	CHANGED ITEM 4 TO NEW TYPE VALVE	WJ	
NO.	DESCRIPTION	BY	DATE

TITLE
SOLVENT PUMP PIPING INSTALLATION DETAILS

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 312/697-8460

PROJ. ENGR. APPR.	OPERATIONS APPR.	SCALE	DRAWN
		NTS	WJC-1/87

DRAWING NO. 5240-1 SHEET NO. 1 OF 1

safety-kleen®

FEDERAL EXPRESS

July 5, 1990
RO 90-225

Mr. Knox McKee
Florida Department of Environmental Regulation
1900 S. Congress Ave., Suite A
West Palm Beach, FL 33406

Subject: Medley Service Center

Dear Mr. McKee,

Please find enclosed the additional information you requested during our phone conversation. As stated earlier, the Water Management Plan is currently being prepared by Mr. Matt Heppner of Safety-Kleen's Technical Services Department. Safety-Kleen anticipates submittal of this information by July 27, 1990. Safety-Kleen apologizes for the delay and hopes that this does not inconvenience you in any way.

If you have any questions or require further information, please contact me on extension 2550.

Sincerely,

Rob Omiecinski

Rob Omiecinski
Environmental Permit Writer

RO/dfh

cc: F. Stockbarger, Tampa Reg. Mgr.
Br. Mgr. (3-097-02)
J. Hartline
G. Garneau
D. Dowling
M. Heppner

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

MAY 18 1990

SIKA CORPORATION
products/systems/services...worldwide

Executive Offices
201 Polito Avenue
Lyndhurst, NJ 07071

April 26, 1990

Wishmeier & Assoc.
119 N. Taylor Street
South Bend, IN 46601

"BASED ON THE INFORMATION PROVIDED, ..." - WHAT INFORMATION DID SAFETY KLEEN SUPPLY TO SIKA CORPORATION? INFO PERTAINING TO SOLVENTS FOOZ, FOOS FOO4, FOO5?

Attn: Martin Kleiman

Re: Sikaflex sealants, Sikagard 62
Safety - Kleen Tank Farm

Dear Sir;

11. 1.b.1

Based on the information provided, it is [illegible] Sikaflex sealants will offer a degree of [illegible], based on a spillage or intermittent contact, when exposed to solvents. A prolonged working life of the sealants is dependent upon proper application procedures, good maintenance, and expeditious clean-up which will not let any aggressive materials puddle over the sealant, thus causing an accellerated degradation as to a softening of the material.

Our Sikagard 62 will offer a better degree of chemical resistance, but with the nature of the chemicals present at this site, the same limitation recommendations as previously stated will be made. In addition, all other application/limitation guidelines, as stated in the current Technical Data Sheet issued for these products should be followed accordingly.

The opinions given are offered strictly on Sika's working knowledge of the product and are based on the given application parameters. The final responsibility for the success of the application rests on actual field conditions and proper application procedures.

Any further questions should be directed to Sika's Technical Service at 800-631-7270.

Regards,

Edwin Diaz
Technical Service Dept.

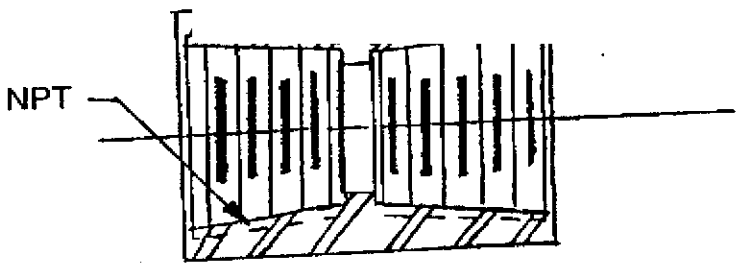
STANDARD MERCHANT COUPLINGS

COUPLING DRAWING SUPPLIED BY CRECO, INC. DOES NOT ADEQUATELY ADDRESS 16. 4. .

A.I.S.I. SPECIFICATION

American Iron and Steel Institute specifications require 1/2" to 2" standard couplings to be straight tapped- 2½" and larger to be tapered 1/8" per foot on the diameter.

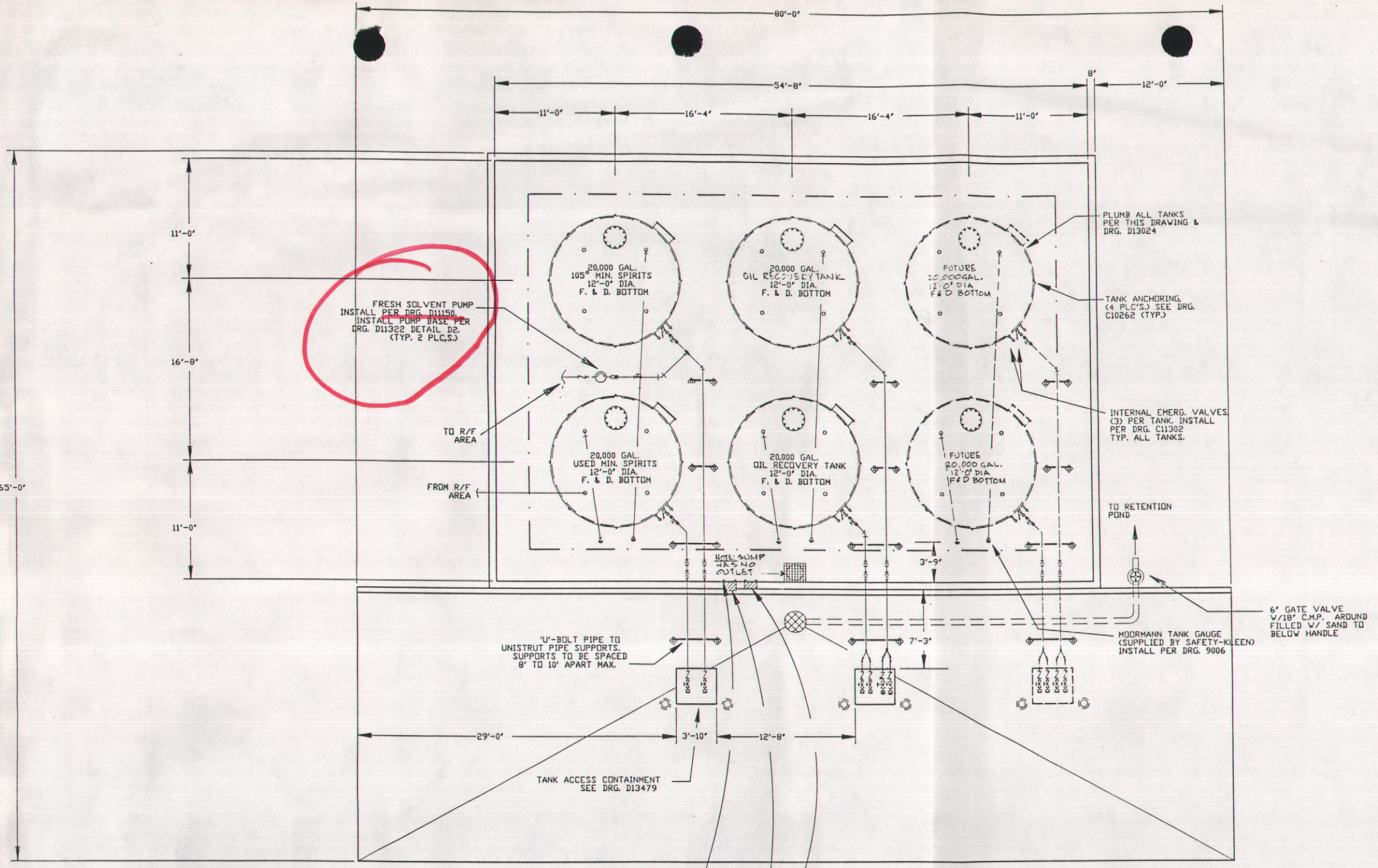
Half couplings are chamfered on one end with the other end sqare.



Size	O.D.	Full Length	Half Length	Threads Per inch
4"	5.00"	3½"	1-11/16"	8

CRECO, Inc.
TANKS · FABS · REPAIRS
16521 Van Dam Road
South Holland, IL 60473
(708) 333-3090
FAX 708-333-TANK

MAY 31 '90 13:45 CRECO 708 333 8265 PAGE.02



NOTES:

1) HIGH LEVEL ALARM TO BE INSTALLED PER S-K DRAWING'S D11539,D11630,D11631,D11632,D13102,D13120 & D13150.

2) ALL DRAWINGS SUPPLIED TO CONTRACTOR CONTAINING S-K PART NO.'S -----. THESE ITEMS WILL BE SUPPLIED BY SAFETY-KLEEN CORP. AND INSTALLED BY CONTRACTOR.

3) ALL PIPE JOINTS OUTSIDE OF SECONDARY CONTAINMENT AREA'S TO BE WELDED NOT SCREWED.

4) S-K = SAFETY-KLEEN CORP.

RECEIVED
JUL 6 1990
Dept. of Environmental Reg.
West Palm Beach

?
6

NO.	DESCRIPTION	BY	CHKD	APPR	DATE
03	REVISED SECT. ORIENTATION	RD			12/5/89
02	REV'D. SECT & CALC.S.	RD			10/1/89
01	MOVED TANKER ACCESS POINTS	RD			8/24/89

REVISIONS

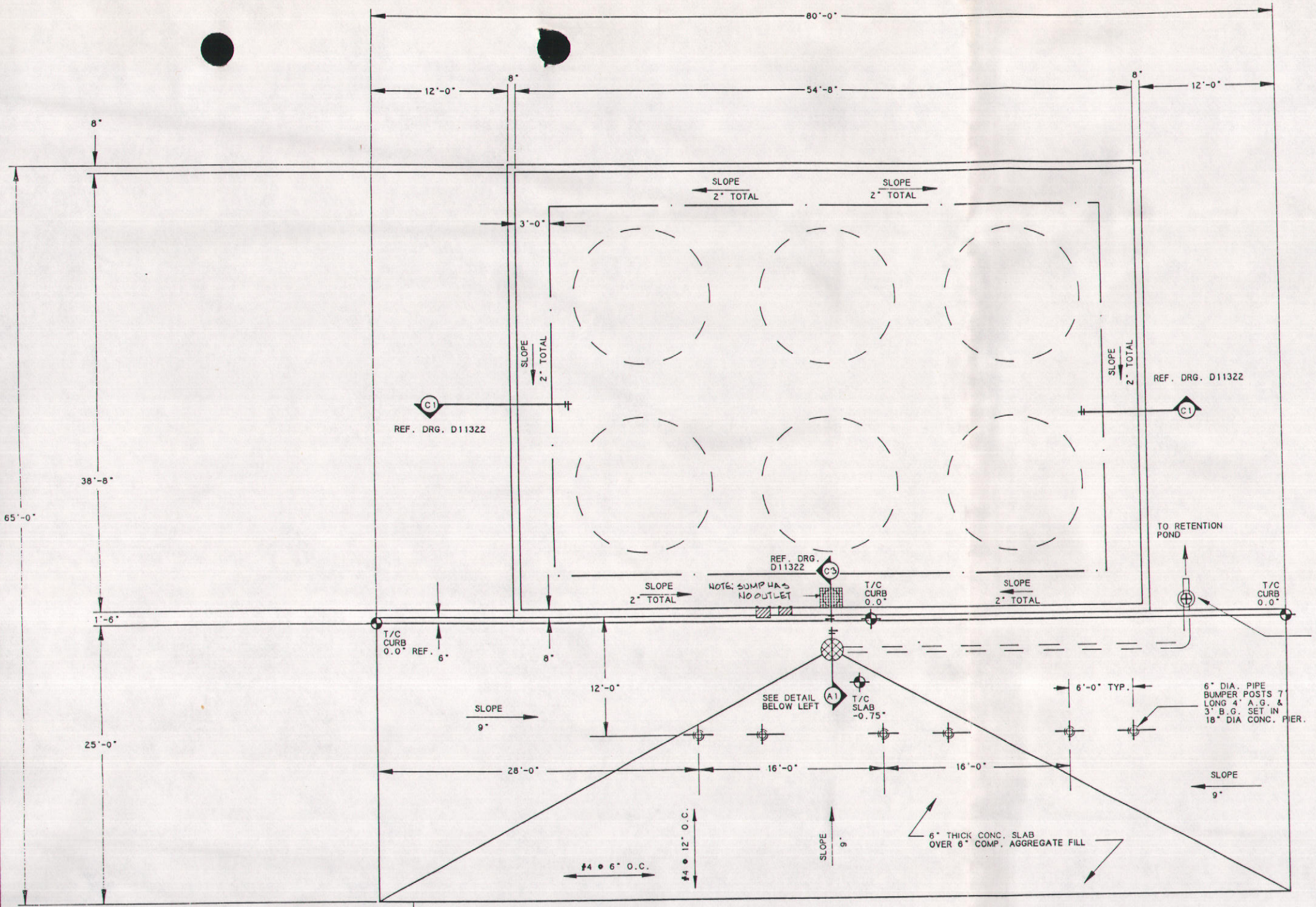
TITLE: 6-PACK TANKFARM

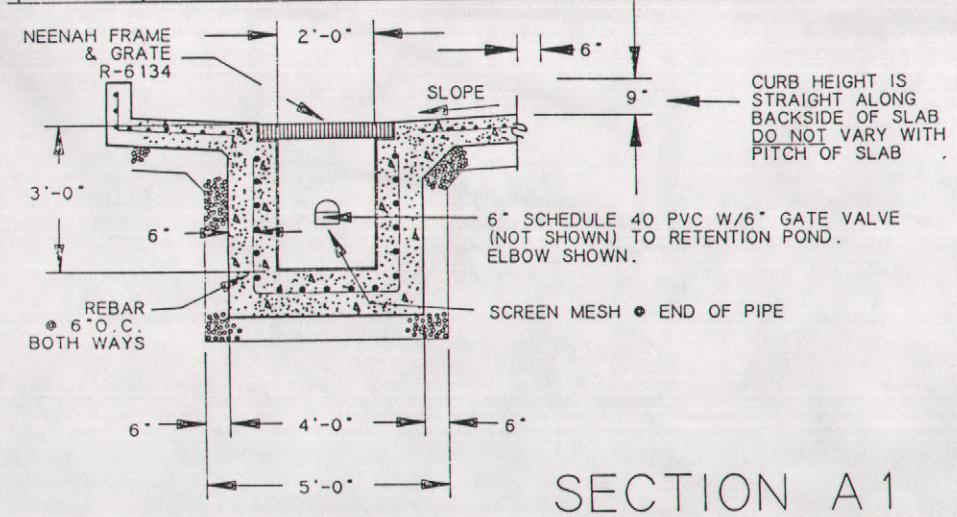
SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60120 PHONE 312/697-8460

PROJ. ENG. APPR. | OPERATIONS APPR. | SCALE 3/16"=1'-0" | DRAWN RD

BRANCH MIAMI, FL | DRAWING NO. 209702/2000

THIS DRAWING CONTAINS INFORMATION PROPRIETRY TO SAFETY-KLEEN CORP. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.





SECTION A1

SCALE: 1/2" = 1'-0"

CALC4

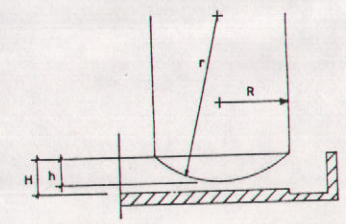
DIKE VOLUME CALCULATION - 20,000 GAL. STORAGE TANK (DISH BOTTOM) DIKE HEIGHT 2'-6"

FORMULAE USED:

$(1/3\ \pi\ h^2\ (3r-h)\ (7.48\ GAL/CU.\ FT.)$ = TANK DISPLACEMENT VOLUME (GAL'S.)

(LWH)(7.48 GAL./CU. FT.)=TANK DISPLACEMENT VOLUME (GAL.)

R (TANK RADIUS) = 6.0 FT. = (6'-0")
L (DIKE LENGTH) = 54.67 FT. = (54'-8")
W (DIKE WIDTH) = 38.67 FT. = 38'-8"
H (DIKE HEIGHT) = 2.5 FT. = (2'-6")
r (DISH RADIUS) = 12.0 FT. = (12'-0")
h (DISH HEIGHT) = 1.85 FT. = (1'-10 3/16")



DIKE VOLUME:
(54.67 FT.)(38.67 FT.)(2.5 FT.)(7.48 GAL./CU. FT.) = 39,533 GAL. (+)

VOLUME OF LARGEST TANK WITHIN DIKED AREA: = 20,000 GAL. (-)

19533 GAL

TANK DISPLACEMENT VOLUME:
$(1/3\ \pi\ (1.85)^2(3(12.0)-1.85)(7.48\ GALS./CU.\ FT.)(5\ TANKS)$ = 4,534 GAL. (-) — TANK DISPLACE.

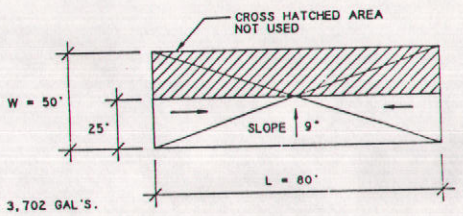
RAINFALL ALLOWANCE:
25 YR./24 HR. = 9.0" = (9") = 11,860 GAL. (-) — RAIN VOLUME

TOTAL (EXCESS) = 3139 GAL. (+)

CALC5

TANKER CONTAINMENT PAD CALCULATION - (3,500 GAL'S. MIN.)

FORMULA USED:
1/3 LWH (7.48 GAL'S./C. FT.) /2
L = (LENGTH) = 80.0 FT. = (80'-0")
W = (WIDTH) = 25.0 FT. = (25'-0")
H = (HEIGHT) = .75 FT. = (0'-9")



TANKER CONTAINMENT VOLUME:
(.33)(80 FT.)(50 FT.)(.75 FT.)(7.48 GAL'S./CU. FT.) /2 = 3,702 GAL'S.

NOTES:

1) HIGH LEVEL ALARM TO BE INSTALLED PER S-K DRAWING'S D11539, D11630, D11631, D11632, D13102, D13120 & D13150.

2) ALL DRAWINGS SUPPLIED TO CONTRACTOR CONTAINING S-K PART --- REFERENCES, THESE ITEMS WILL BE SUPPLIED BY SAFETY-KLEEN CORP. AND INSTALLED BY CONTRACTOR.

3) S-K = SAFETY-KLEEN CORP.

RECEIVED
JUL 6 1990
Dept. of Environmental Reg.
West Palm Beach

RAINFALL ALLOWANCE 9.7. THIS WAS ALREADY SUPPLIED TO US. WE WANT TO KNOW WHERE 25YR./24HR.= 9.0" CAME FROM.

THIS DRAWING CONTAINS INFORMATION PROPRIETRY TO SAFETY-KLEEN CORP. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.

NO.	DESCRIPTION	BY	CHKD	APPR	DATE
	REVISIONS				

TITLE: 6-PACK CONCRETE DETAILS AND SECTIONS

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD; ELGIN, ILLINOIS 60120 PHONE 708/697

PROJ. ENG. APPR.	OPERATIONS APPR.	SCALE	DRAWN
		AS NOTED	
BRANCH: MIAMI, FL		DRAWING NO. 309702/5C	

safety-kleen ®

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Dept. of Environmental Reg.
West Palm Beach

FEDERAL EXPRESS

July 5, 1990
RO 90-225

Mr. Knox McKee
Florida Department of Environmental Regulation
1900 S. Congress Ave., Suite A
West Palm Beach, FL 33406

Subject: Medley Service Center

Dear Mr. McKee,

Please find enclosed the additional information you requested during our phone conversation. As stated earlier, the Water Management Plan is currently being prepared by Mr. Matt Heppner of Safety-Kleen's Technical Services Department. Safety-Kleen anticipates submittal of this information by July 27, 1990. Safety-Kleen apologizes for the delay and hopes that this does not inconvenience you in any way.

If you have any questions or require further information, please contact me on extension 2550.

Sincerely,

Rob Omiecinski

Rob Omiecinski
Environmental Permit Writer

RO/dfh

cc: F. Stockbarger, Tampa Reg. Mgr.
Br. Mgr. (3-097-02)
J. Hartline
G. Garneau
D. Dowling
M. Heppner

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

MAY 18 1990

SIKA CORPORATION
products/systems/services...worldwide

Executive Offices
201 Polito Avenue
Lyndhurst, NJ 07071

April 26, 1990

Wishmeier & Assoc.
119 N. Taylor Street
South Bend, IN 46601

Attn: Martin Kleiman

Re: Sikaflex sealants, Sikagard 62
Safety - Kleen Tank Farm

Dear Sir;

Based on the information provided, it is of our opinion that our Sikaflex sealants will offer a degree of chemical resistance, based on a spillage or intermittent contact, when exposed to solvents. A prolonged working life of the sealants is dependent upon proper application procedures, good maintenance, and expeditious clean-up which will not let any aggressive materials puddle over the sealant, thus causing an accellerated degradation as to a softening of the material.

Our Sikagard 62 will offer a better degree of chemical resistance, but with the nature of the chemicals present at this site, the same limitation recommendations as previously stated will be made. In addition, all other application/limitation guidelines, as stated in the current Technical Data Sheet issued for these products should be followed accordingly.

The opinions given are offered strictly on Sika's working knowledge of the product and are based on the given application parameters. The final responsibility for the success of the application rests on actual field conditions and proper application procedures.

Any further questions should be directed to Sika's Technical Service at 800-631-7270.

Regards,

Edwin Diaz
Technical Service Dept.

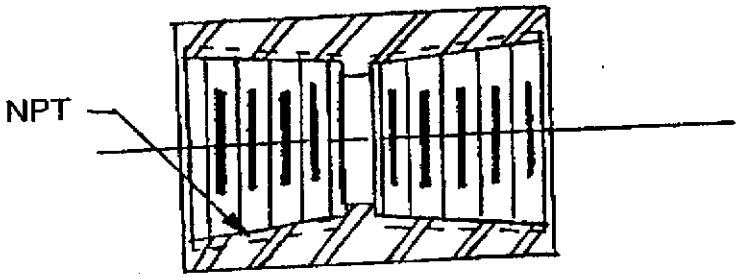
STANDARD MERCHANT COUPLINGS

MAY 31 '90 13:45 CRECO 708 333 8265 PAGE.02

A.I.S.I. SPECIFICATION

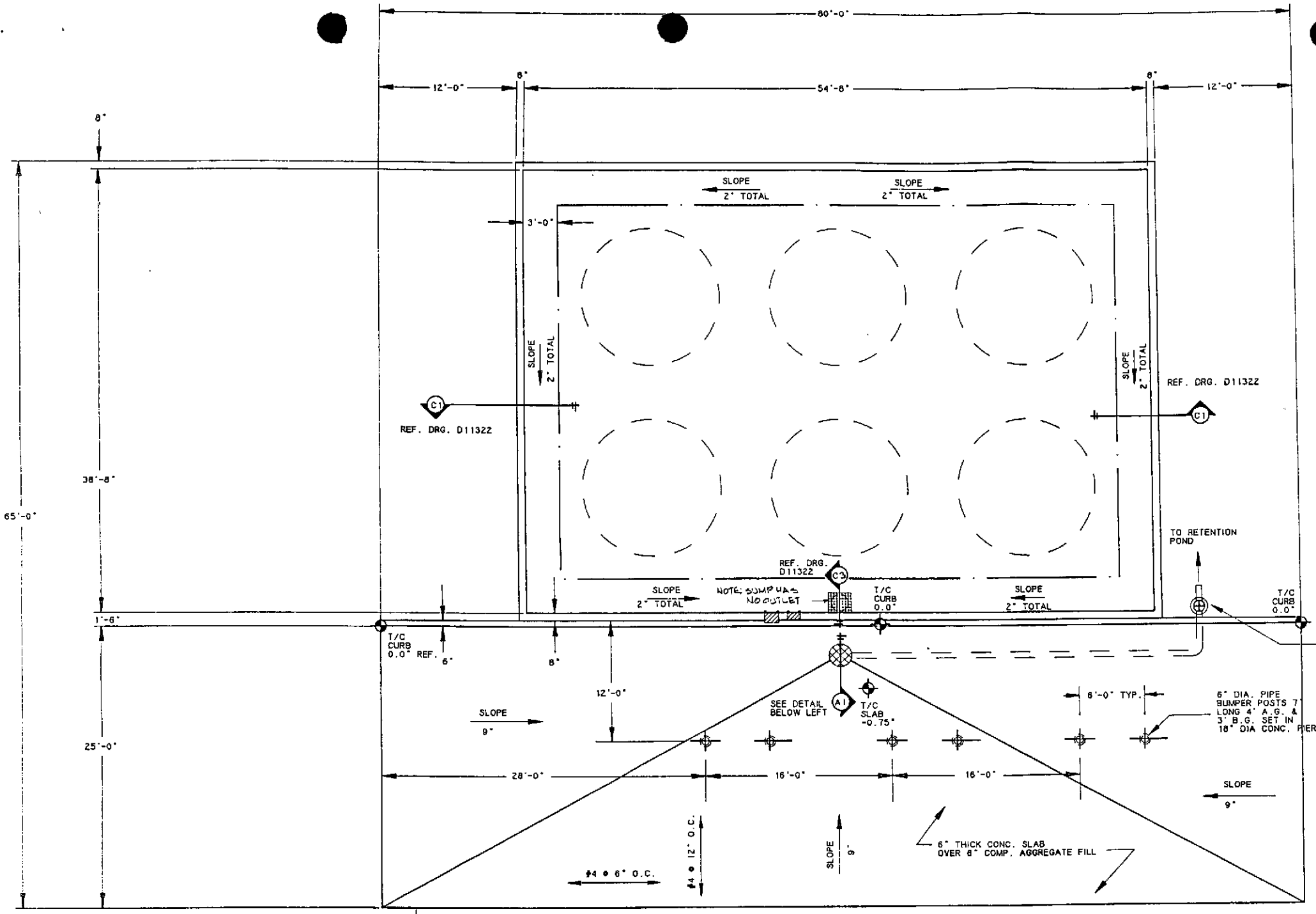
American Iron and Steel Institute specifications require 1/2" to 2" standard couplings to be straight tapped- 2½" and larger to be tapered 3/8" per foot on the diameter.

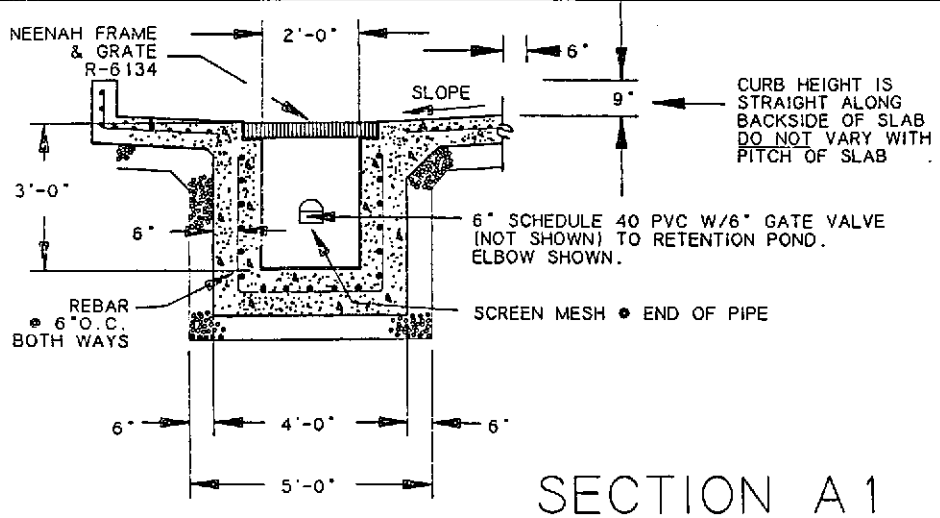
Half couplings are chamfered on one end with the other end sqare.



Size	O.D.	Full Length	Half Length	Threads Per inch
4"	5.00"	3½"	1-11/16"	8

CRECO, Inc.
TANKS · FABS · REPAIRS
16521 Van Dam Road
South Holland, IL 60473
(708) 333-3090
FAX 708-333-TANK





SECTION A1

SCALE: 1/2" = 1'-0"

CALC4

DIKE VOLUME CALCULATION - 20,000 GAL. STORAGE TANK (DISH BOTTOM) DIKE HEIGHT 2'-0"

FORMULAE USED:

$(1/3\ \pi\ h^2\ (3r-h))(7.48\ GAL/CU.\ FT.)$ = TANK DISPLACEMENT VOLUME (GAL'S.)

(LWH)(7.48 GAL./CU. FT.)=TANK DISPLACEMENT VOLUME (GAL.)

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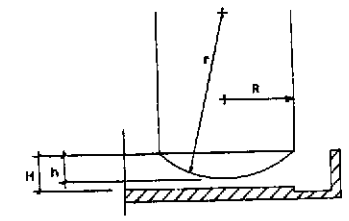

DIKE VOLUME:
(54.67 FT.)(38.67 FT.)(2.5 FT.)(7.48 GAL./CU. FT.) = 39,535 GAL. (+)

VOLUME OF LARGEST TANK WITHIN DIKED AREA: = 20,000 GAL. (-)

TANK DISPLACEMENT VOLUME:
$(1/3\ \pi\ (1.85)^2(3(12.0)-1.85)(7.48\ GALS./CU.\ FT.)(5\ TANKS)$ = 4,534 GAL. (-)

RAINFALL ALLOWANCE:
25 YR./24 HR. = 9.0" = (9") = 11,862 GAL. (-)

TOTAL (EXCESS) = 3139 GAL. (+)

CALC5

TANKER CONTAINMENT PAD CALCULATION - (3,500 GAL'S. MIN.)

FORMULA USED:
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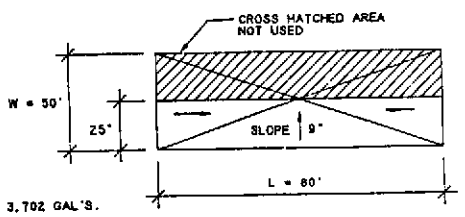


TANKER CONTAINMENT VOLUME:
(.33)(80 FT.)(50 FT.)(.75 FT.)(7.48 GAL'S./CU. FT.) /2 = 3,702 GAL'S.

NOTES:

1) HIGH LEVEL ALARM TO BE INSTALLED PER S-K DRAWING'S D11530, D11630, D11631, D11632, D13102, D13120 & D13150.

2) ALL DRAWINGS SUPPLIED TO CONTRACTOR CONTAINING S-K PART --- REFERENCES, THESE ITEMS WILL BE SUPPLIED BY SAFETY-KLEEN CORP. AND INSTALLED BY CONTRACTOR.

3) S-K = SAFETY-KLEEN CORP.

THIS DRAWING CONTAINS INFORMATION PROPRIETRY TO SAFETY-KLEEN CORP. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.

NO.	DESCRIPTION	BY	CHKD	APPR	DATE
	REVISIONS				

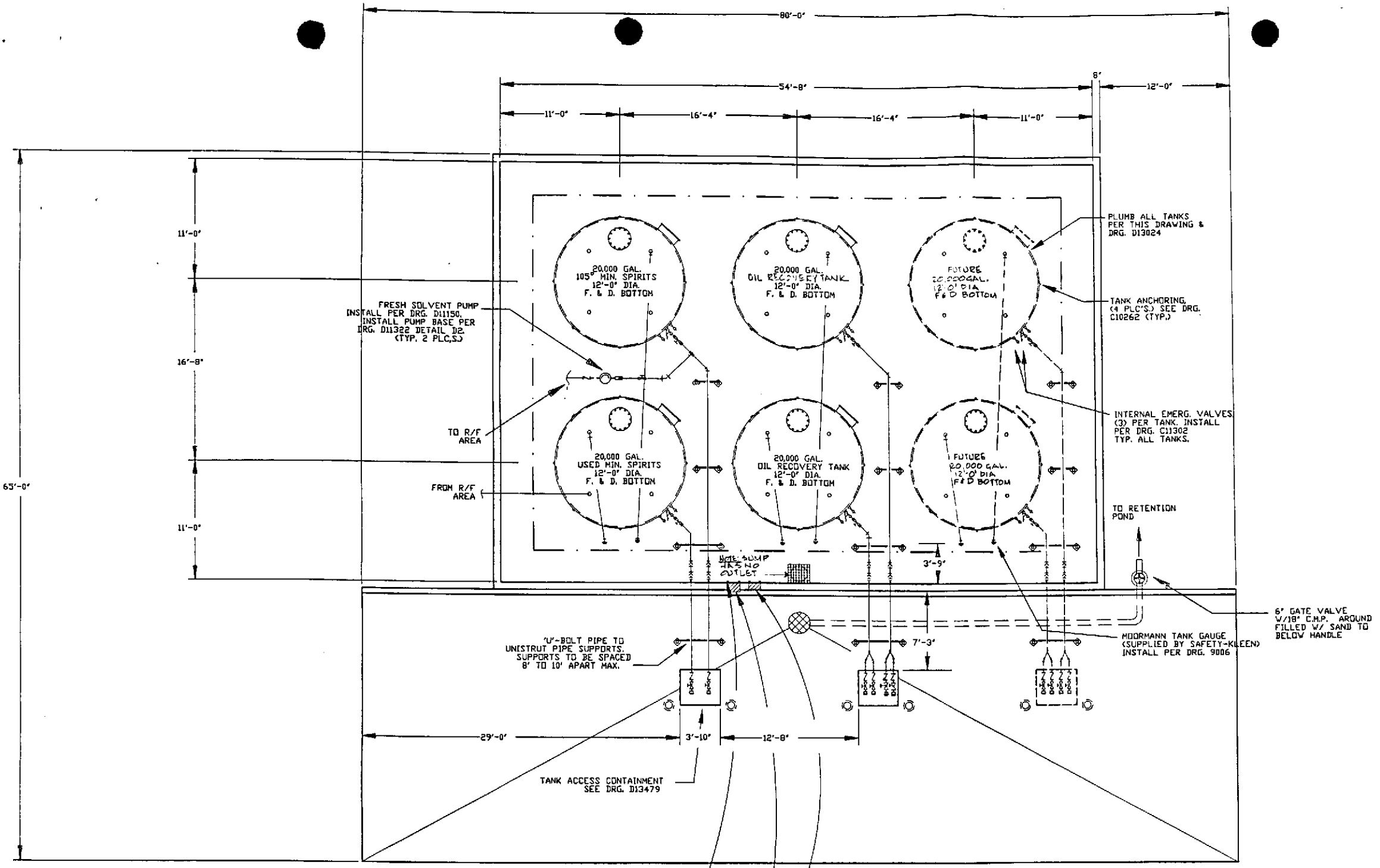
TITLE: 6-PACK CONCRETE DETAILS AND SECTIONS

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD, ELGIN, ILLINOIS 60120 PHONE 708/883-8460

PROJ. ENG. APPR.	OPERATIONS APPR.	SCALE	DRAWN	DATE
		AS NOTED		5/7/

BRANCH: MIAMI, FL

DRAWING NO.: 309702/5000



NOTES:

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3) ALL PIPE JOINTS OUTSIDE OF SECONDARY CONTAINMENT AREA'S TO BE WELDED NOT SCREWED.

4) S-K = SAFETY-KLEEN CORP.

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NO.	DESCRIPTION	BY	CHKD	APPR	DATE
	REVISIONS				
03	REVISED SECT. ORIENTATION	RD			12/5/89
02	REV'D. SECT & CALC.S.	RD			10/1/89
01	MOVED TANKER ACCESS POINTS	RD			8/24/89

TITLE: 6-PACK TANKFARM

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60120 PHONE 312/697-8460

PROJ. ENG. APPR.	OPERATIONS APPR.	SCALE	DRAWN
		3/16"=1'-0"	RD

BRANCH: MIAMI, FL

DRAWING NO. 29772/2000

safety-kleen®

FEDERAL EXPRESS

July 5, 1990
RO 90-225

Mr. Knox McKee
Florida Department of Environmental Regulation
1900 S. Congress Ave., Suite A
West Palm Beach, FL 33406

Subject: Medley Service Center

Dear Mr. McKee,

Please find enclosed the additional information you requested during our phone conversation. As stated earlier, the Water Management Plan is currently being prepared by Mr. Matt Heppner of Safety-Kleen's Technical Services Department. Safety-Kleen anticipates submittal of this information by July 27, 1990. Safety-Kleen apologizes for the delay and hopes that this does not inconvenience you in any way.

If you have any questions or require further information, please contact me on extension 2550.

Sincerely,

Rob Omiecinski

Rob Omiecinski
Environmental Permit Writer

RO/dfh

cc: F. Stockbarger, Tampa Reg. Mgr.
Br. Mgr. (3-097-02)
J. Hartline
G. Garneau
D. Dowling
M. Heppner

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

MAY 18 1990

SIKA CORPORATION
products/systems/services...worldwide

Executive Offices
201 Polito Avenue
Lyndhurst, NJ 07071

April 26, 1990

Wishmeier & Assoc.
119 N. Taylor Street
South Bend, IN 46601

Attn: Martin Kleiman

Re: Sikaflex sealants, Sikagard 62
Safety - Kleen Tank Farm

Dear Sir;

Based on the information provided, it is of our opinion that our Sikaflex sealants will offer a degree of chemical resistance, based on a spillage or intermittent contact, when exposed to solvents. A prolonged working life of the sealants is dependent upon proper application procedures, good maintenance, and expeditious clean-up which will not let any aggressive materials puddle over the sealant, thus causing an accellerated degradation as to a softening of the material.

Our Sikagard 62 will offer a better degree of chemical resistance, but with the nature of the chemicals present at this site, the same limitation recommendations as previously stated will be made. In addition, all other application/limitation guidelines, as stated in the current Technical Data Sheet issued for these products should be followed accordingly.

The opinions given are offered strictly on Sika's working knowledge of the product and are based on the given application parameters. The final responsibility for the success of the application rests on actual field conditions and proper application procedures.

Any further questions should be directed to Sika's Technical Service at 800-631-7270.

Regards,

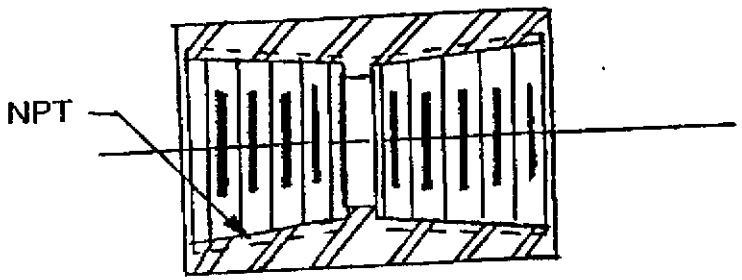
Edwin Diaz
Technical Service Dept.

STANDARD MERCHANT COUPLINGS

A.I.S.I. SPECIFICATION

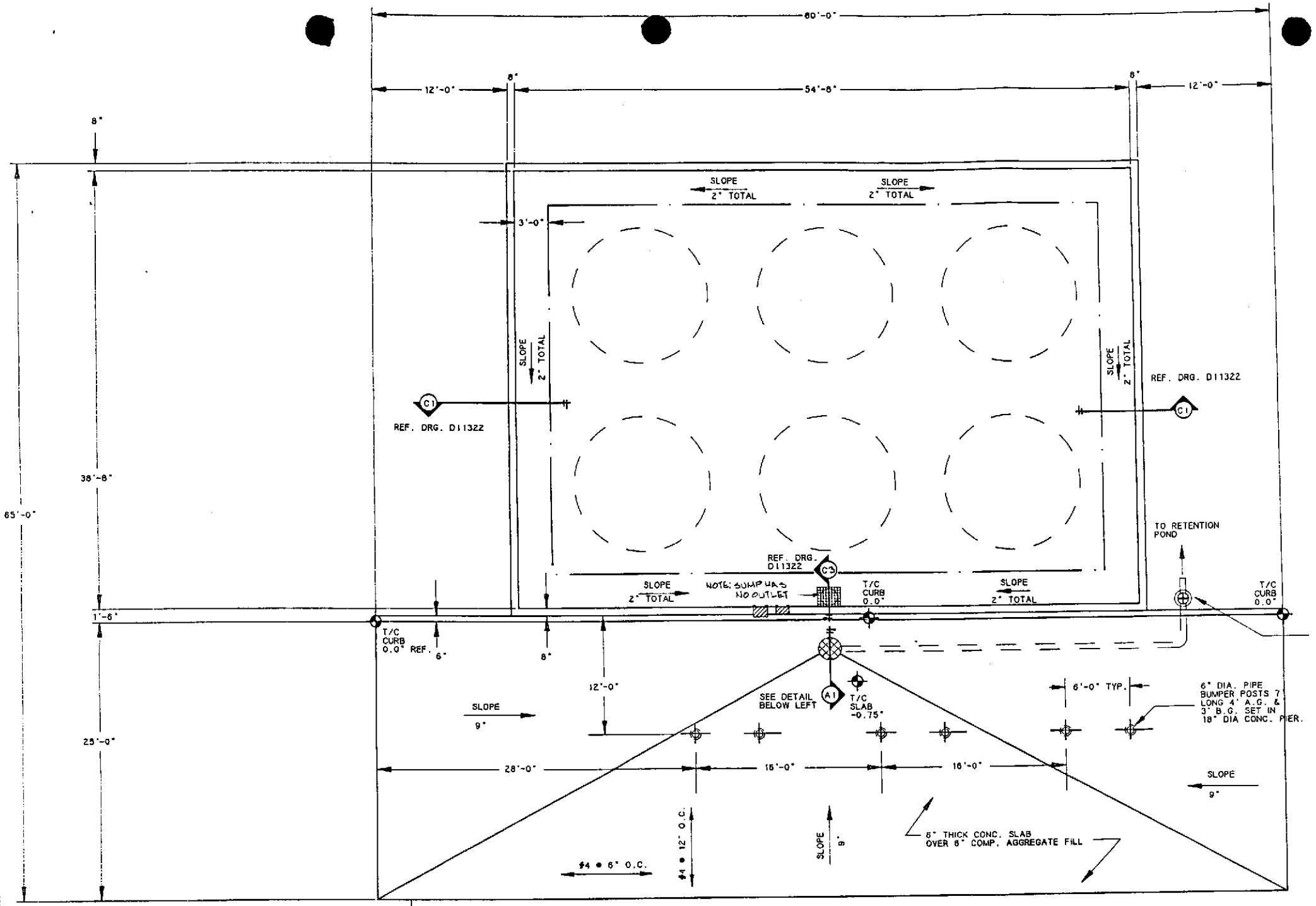
American Iron and Steel Institute specifications require 1/2" to 2" standard couplings to be straight tapped- 2½" and larger to be tapered 3/8" per foot on the diameter.

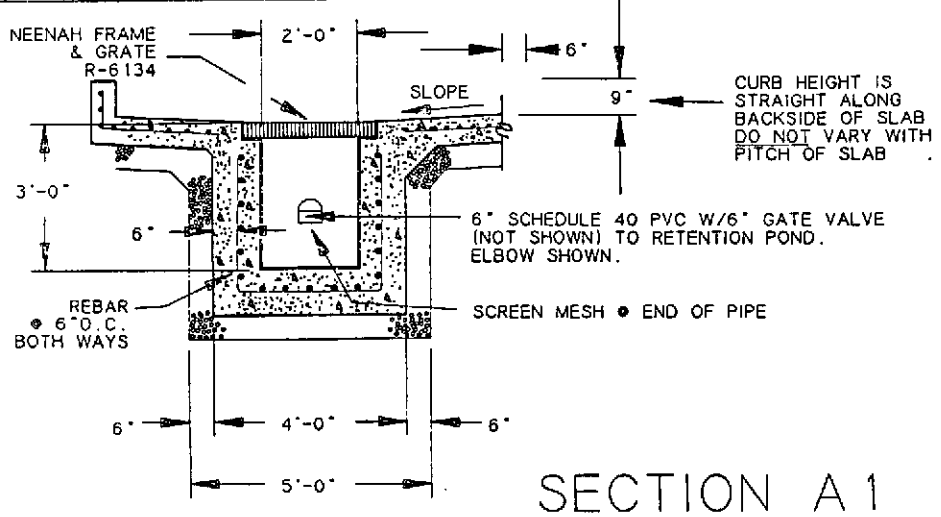
Half couplings are chamfered on one end with the other end sqare.



Size	O.D.	Full Length	Half Length	Threads Per inch
4"	5.00"	3½"	1-11/16"	8

CRECO, Inc.
TANKS · FABS · REPAIRS
16521 Van Dam Road
South Holland, IL 60473
(708) 333-3090
FAX 708-333-TANK





SECTION A1

SCALE: 1/2" = 1'-0"

CALC4

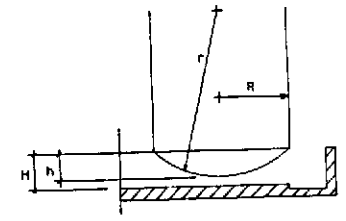
DIKE VOLUME CALCULATION - 20,000 GAL. STORAGE TANK (DISH BOTTOM) DIKE HEIGHT 2'-0"

FORMULAE USED:

$(1/3\ \pi\ h^2\ (3r-h)\ )(7.48\ GAL/CU.\ FT.)$ = TANK DISPLACEMENT VOLUME (GAL'S.)

(LWH)(7.48 GAL./CU. FT.)=TANK DISPLACEMENT VOLUME (GAL.)

R (TANK RADIUS) = 6.0 FT. = (6'-0")
L (DIKE LENGTH) = 54.67 FT. = (54'-8")
W (DIKE WIDTH) = 38.67 FT. = 38'-8"
H (DIKE HEIGHT) = 2.5 FT. = (2'-6")
r (DISH RADIUS) = 12.0 FT. = (12'-0")
h (DISH HEIGHT) = 1.65 FT. = (1'-10 3/16")



DIKE VOLUME:
(54.67 FT.)(38.67 FT.)(2.5 FT.)(7.48 GAL./CU. FT.) = 39,535 GAL. (+)

VOLUME OF LARGEST TANK WITHIN DIKED AREA: = 20,000 GAL. (-)

TANK DISPLACEMENT VOLUME:
$(1/3\ \pi\ (1.85)^2(3(12.0)-1.85)(7.48\ GALS./CU.\ FT.)(5\ TANKS)$ = 4,534 GAL. (-)

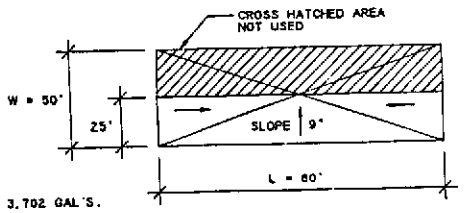
RAINFALL ALLOWANCE:
25 YR.\24 HR. = 9.0" = 19" = 11,866 GAL. (-)

TOTAL (EXCESS) = 3139 GAL. (+)

CALC5

TANKER CONTAINMENT PAD CALCULATION - (3,500 GAL'S. MIN.)

FORMULA USED:
1/3 LWH (7.48 GAL'S./C. FT.) /2
L = (LENGTH) = 80.0 FT. = (80'-0")
W = (WIDTH) = 25.0 FT. = (25'-0")
H = (HEIGHT) = .75 FT. = (0'-9")



TANKER CONTAINMENT VOLUME:
(.33)(80 FT.)(50 FT.)(.75 FT.)(7.48 GAL'S./CU. FT.) /2 = 3,702 GAL'S.

NOTES:

1) HIGH LEVEL ALARM TO BE INSTALLED PER S-K DRAWING'S D11539,D11630,D11631,D11632,D13102,D13120 & D13150.

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3) S-K = SAFETY-KLEEN CORP.

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NO.	DESCRIPTION	BY	CHKD	APPR	DATE

REVISIONS

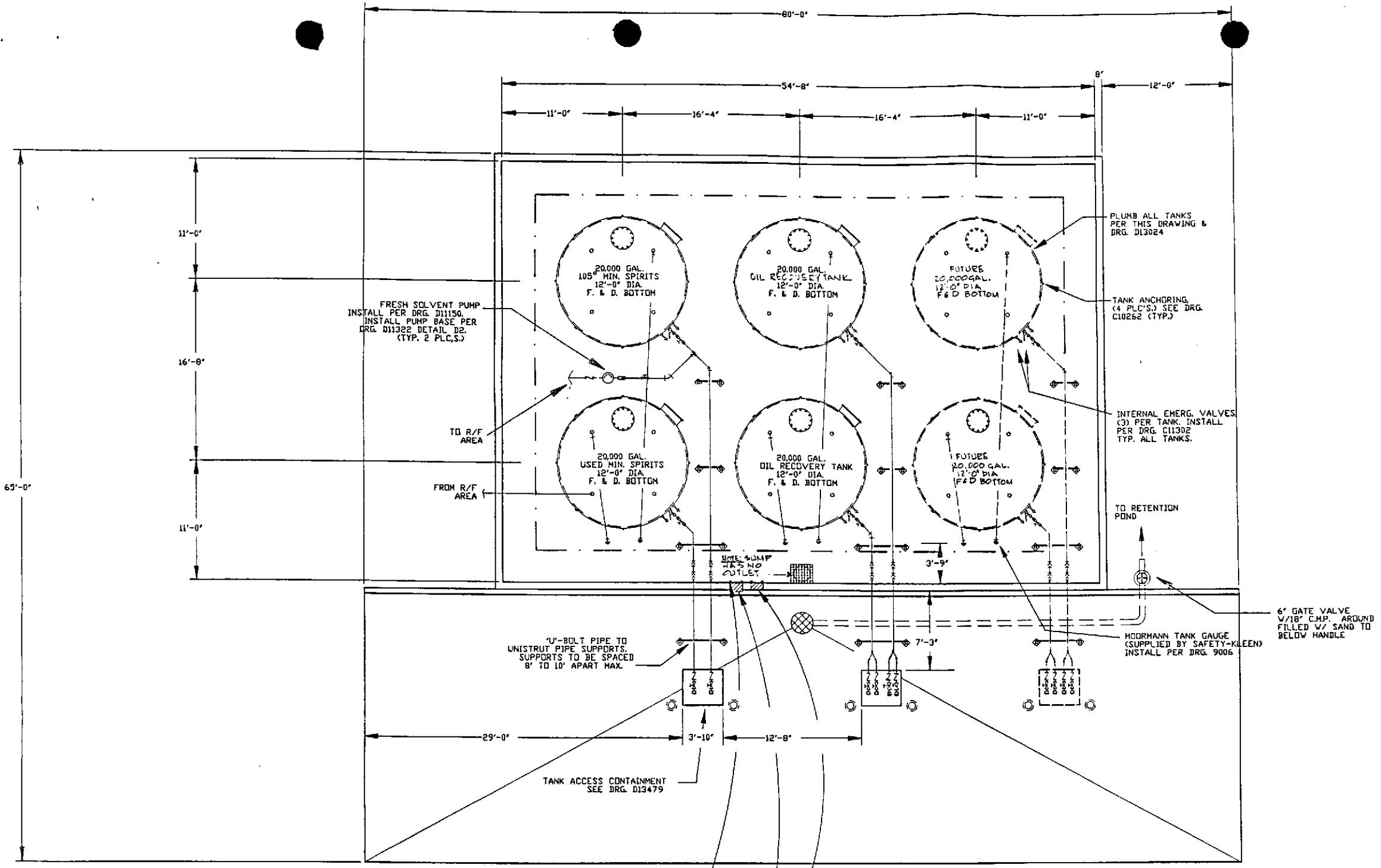
TITLE: 6-PACK CONCRETE DETAILS AND SECTIONS

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD, ELGIN, ILLINOIS 60120 PHONE 708/697-8460

PROJ. ENG. APPR.	OPERATIONS APPR.	SCALE	DRAWN	DATE
		AS NOTED		5/11

BRANCH: MIAMI, FL

DRAWING NO. 309702/5000



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02	REV'D. SECT & CALC.S.	RD			10/1/89
01	MOVED TANKER ACCESS POINTS	RD			8/24/89

REVISIONS

TITLE: 6-PACK TANKFARM

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60120 PHONE 312/697-846

PROJ. ENG. APPR.	OPERATIONS APPR.	SCALE	DRAWN
		3/16"=1'-0"	RD

BRANCH: MIAMI, FL

DRAWING NO. 309772/2000

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safety-kleen®

FEDERAL EXPRESS

July 5, 1990
RO 90-225

Mr. Knox McKee
Florida Department of Environmental Regulation
1900 S. Congress Ave., Suite A
West Palm Beach, FL 33406

Subject: Medley Service Center

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Sincerely,

Rob Omiecinski

Rob Omiecinski
Environmental Permit Writer

RO/dfh

cc: F. Stockbarger, Tampa Reg. Mgr.
Br. Mgr. (3-097-02)
J. Hartline
G. Garneau
D. Dowling
M. Heppner

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

MAY 18 1990

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products/systems/services...worldwide

Executive Offices
201 Polito Avenue
Lyndhurst, NJ 07071

April 26, 1990

Wishmeier & Assoc.
119 N. Taylor Street
South Bend, IN 46601

Attn: Martin Kleiman

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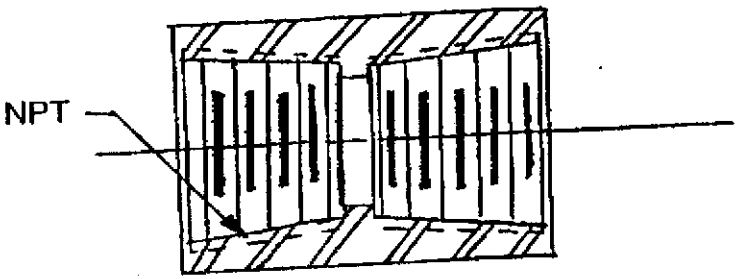

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CRECO, Inc.
TANKS · FABS · REPAIRS
16521 Van Dam Road
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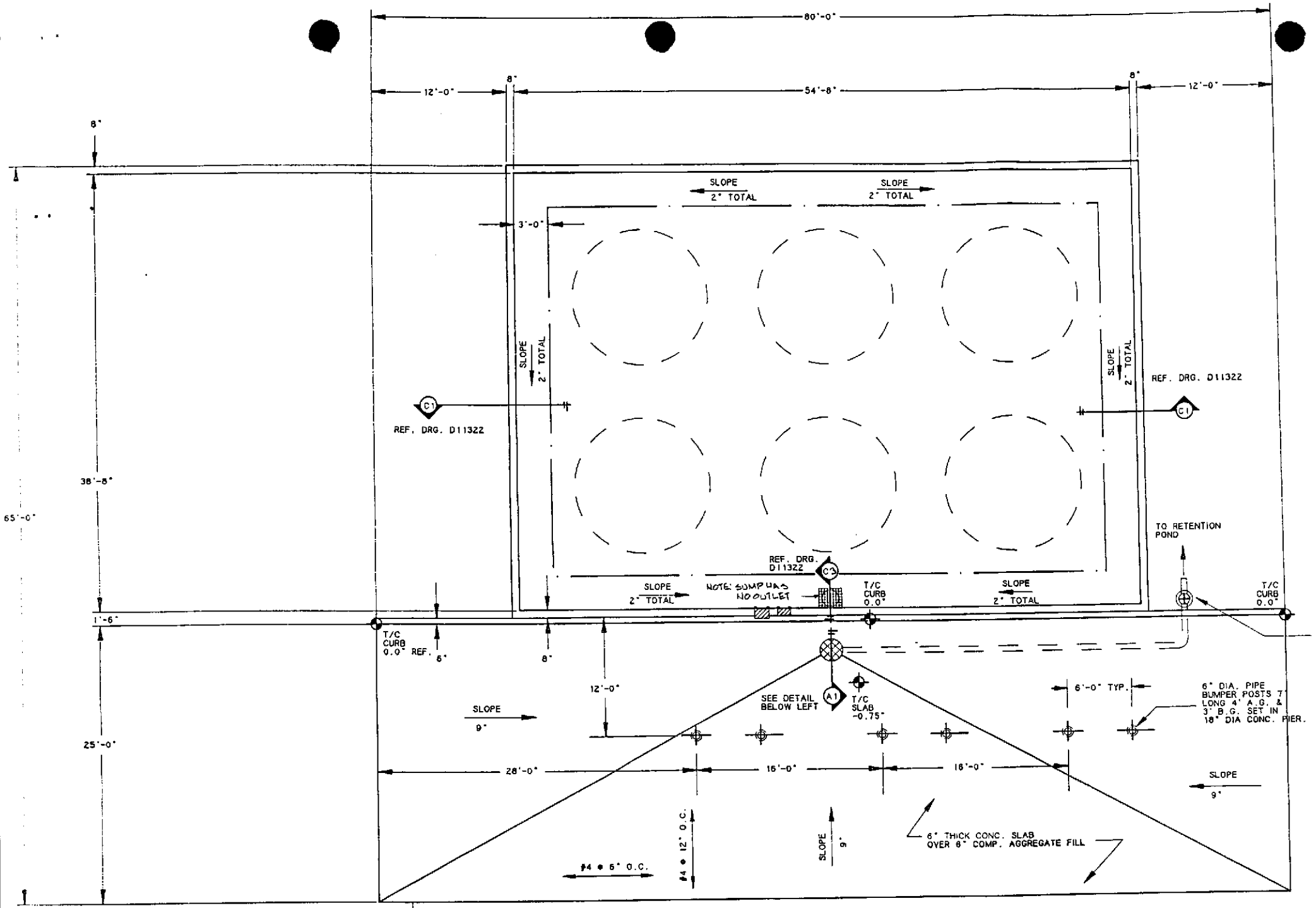
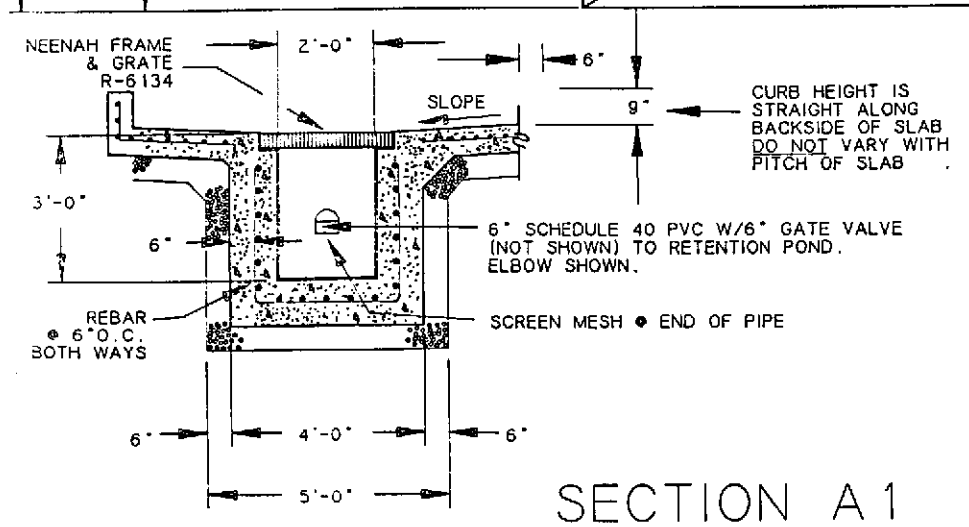
(708) 333-3090
FAX 708-333-TANK

MAY 31 '90 13:45 CRECO 708 333 8265 PAGE.02





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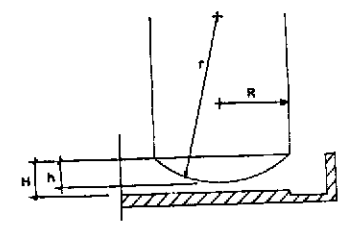

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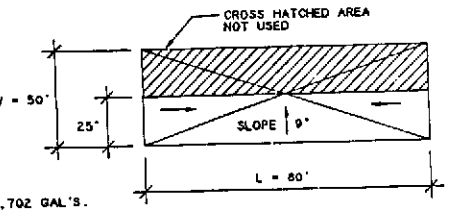

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NO.	DESCRIPTION	BY	CHKD	APPR	DATE
	REVISIONS				

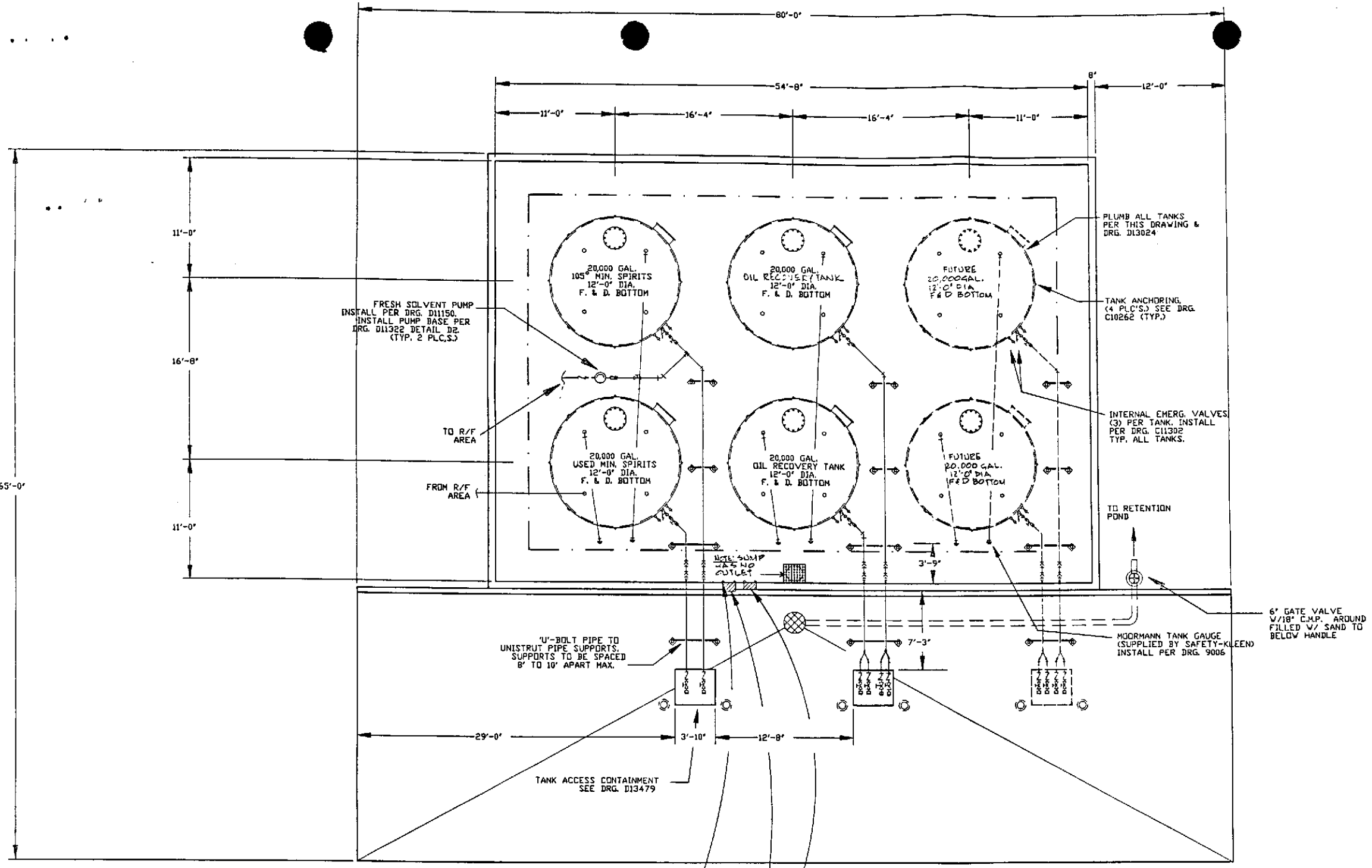
TITLE: 6-PACK CONCRETE DETAILS AND SECTIONS

SAFETY-KLEEN CORP.
777 E/O TIMBER ROAD, ELGIN, ILLINOIS 60120 PHONE 708/697-8460

PROJ. ENG. APPR.	OPERATIONS APPR.	SCALE	DRAWN	DATE
		AS NOTED		5/7/

BRANCH: MIAMI, FL

DRAWING NO. 309702/5000



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NO.	DESCRIPTION	BY	CHKD	APPR	DATE
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02	REV'D. SECT & CALC.S.	RD			10/1/89
01	MOVED TANKER ACCESS POINTS	RD			8/24/89

REVISIONS

TITLE: 6-PACK TANKFARM

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60120 PHONE 312/697-8460

PROJ. ENG. APPR.	OPERATIONS APPR.	SCALE	DRAWN
		3/16"=1'-0"	RS

BRANCH: MIAMI, FL

DRAWING NO. 309702/2000

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DEC COMMENTS ON SAFETY-KLEEN, CORP. RESPONSE (4/25/90) TO FIRST N.O.D. (# WN90-0018-HW135ED) OF 3/26/90

5/17/90

3. 4.2 SUBMIT A LEGIBLE MAP INDICATING THE FACILITY'S LOCATION WITHIN THE 100-YEAR FLOODPLAIN AREA. 270.14 (b)(11)(iii). - WATER MGMT. PLAN MAY INCLUDE THIS. PROMISED TO BE SENT 6/15/90. ~~IF IT DOES~~ MUST ~~NOT~~ PROVIDE INFORMATION NEEDED, ~~CALL AND GET IT.~~ Surveyor res. ST. Elg. ↑ 6.0' to Finish floor TANK & FACility.

4. 1A. SITE SURVEY DRAWING W/ SPOT ELEVATIONS DOES NOT RESOLVE ISSUE OF RAISING ELEVATION ABOVE 6' SHOWN TO BE AH (EL 6'). SITE SURVEY SHOWS MAX. EL. 5.2' (BM 10.07). HOW DOES THIS CORRELATE WITH 6' ON FLOOD MAP (EX. I.B. 5-1).

5. 1A. WATER MGMT. PLAN TO BE SUBMITTED TO DEC 6/15/90 ACCORDING TO SAFETY-KLEEN RESPONSE.

6. 1B. WIND ROSE OK.

7. 3. - SAFETY-KLEEN HAS DEFERRED RESPONSE TO THIS COMMENT TO FORTHCOMING (6/15/90) WATER MANAGEMENT PLAN.

8. 4.b REVISION O.K.

9. 4.b REVISION OK

10. 4.b REVISION OK

✓ 11. 1.b.1 MANUFACTURER's SPECIFICATIONS FOR COATING MATERIAL DOES NOT SUPPORT COMPATIBILITY WITH ALL SOLVENTS WHICH IT MAY CONTACT. WHILE THE MATERIAL SUPPLIED PROVIDES INFORMATION ON GASOLINE, TOLUOL ETC. IT DOES NOT PROVIDE SPECIFIC INFORMATION PERTAINING TO SOLVENTS (i.e. F002, F003, F004, F005) TO WHICH IT HAS THE POTENTIAL OF BEING EXPOSED. ~~EG.~~

12. 1.b.1 NO DOCUMENTATION SUPPORTING THAT THE SUMP LINER (SK PART NO. 5280) IS COMPATIBLE WITH ALL SOLVENTS WITH WHICH IT MAY COME INTO CONTACT. WAS SUPPLIED. SUPPLY SK DWG. NO. C11321 SHOWING SUMP LINER FABRICATION DETAILS ALONG WITH THE DOCUMENTATION SUBSTANTIATING COMPATIBILITY OF THE LINER WITH SOLVENTS (i.e. F002, F003, F004, F005).

13. 6. REVISION OK

14. 2. REVISION OK

15. 2. REVISION OK

✓ 16. 4. DRAWING D11150 SOLVENT PUMP PIPING INSTALLATION DETAILS NOT PROVIDED AS SUGGESTED BY SAFETY-KLEEN. DETAILS PROVIDED SHOULD SHOW DRAIN LINE CONNECTION, VENT LINE CONNECTIO FILL LINE CONNECTION, AND HIGH LEVEL ALARM TRANSMI

17. 6. REVISION OK

18. 7. "SUMP WILL BE SEALED CLOSED"

√ 19. 7. PROVIDE THE REFERENCE SOURCE AND ANY CALCULATIONS USED TO DERIVE THE RAINFALL ALLOWANCE AMOUNT (EXHIBIT I.E. 3-6).

20. 11. REVISION OK

21. 12. REVISION OK

22. 12. REVISION OK

23. 12. REVISION OK -

24. 12. REVISION OK.

25. 12. REVISION OK

26. 12. IF 1-5 3. a. (7) SHOULD BE CORRECTED TO READ, "rinsate from the tank".

27. 12. REVISION OK

28. 12. OK

29. 12. REVISION OK

30. 12. REVISION OK.

safety-kleen®

FEDERAL EXPRESS

April 25, 1990

RECEIVED
MAY 1 1990
Dept. of Environmental Reg.
West Palm Beach

Mr. J. Scott Benyon
Florida Department of Environmental Regulation
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406

Subject: Proposed Medley Service Center
Construction Permit #HC 13-175466

Dear Mr. Benyon:

This has been prepared in response to your letter dated March 26, 1990. Please find enclosed responses to comments, revised pages for the text and revised exhibits for the subject facility.

If you have any questions or require further information, please contact me on extension 2550.

Sincerely,

Rob Omiecinski

Rob Omiecinski
Environmental Permit Writer

RO/dmg

cc: F. Stockbarger, Tampa Regional Manager
Branch Manager (3-097-02)
J. Hartline
H. Farchmin

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

SAFETY-KLEEN CORP.
MEDLEY SERVICE CENTER
RESPONSES TO COMMENTS DATED MARCH 26, 1990

GENERAL COMMENTS

COMMENT:

17-730.900(2) Part I.A. General Information

1. 20. Please submit EPA/DER I.D. Number, upon completion of pending issuance.

RESPONSE:

Safety-Kleen has not received its EPA I.D. Number. Once received, it will be forwarded to your office.

COMMENT:

17-730.900(2) Part I.B. Site Information

2. 3. Provide photographs of the proposed facility site showing the location of future areas.

RESPONSE:

Photographs of the proposed site are enclosed. Future storage locations can be found on the Site Plan.

COMMENT:

3. 4.2 Submit a legible map indicating the facility's location within the 100-year floodplain area.

RESPONSE:

The entire industrial park has been regraded to an elevation that is above the 100-year floodplain. Further information will be included in the Water Management Plan.

COMMENT:

17-930.900(2) Part II.A. General

4. 1A. The maps provided in the application do not adequately depict the area of 100-year floodplain (illegible), orientation of the topographic map, contours sufficient to show surface water flow, drainage or flood control and runoff control system. Submit a map or series of maps (legible quality) which clearly detail the inadequately depicted site characteristics.

RESPONSE:

Please see response to comment #3. In addition, a site survey drawing with spot elevations indicating the direction of surface water flow is enclosed.

COMMENT:

5. 1A. Provide a site specific surface water management plan.

RESPONSE:

A water management plan has been requested of Mr. Matt Heppner, Safety-Kleen's regional engineer. It will be forwarded to your office by June 15, 1990.

COMMENT:

6. 1B. Submit a wind rose of legible quality which includes the indication of legend and date.

RESPONSE:

A wind rose map is enclosed.

COMMENT:

7. 3. The proposed Safety-Kleen Service Center is shown (Exhibit I.B.5-1) to be located in Zone AH (EL.6). Zone AH is a special flood hazard area (SFHA) subject to inundation by the 100-year shallow flooding (usually areas of ponding) where average depths are between (1) one and (3) three feet. Identify the 100-year flood level and any other special flooding factors (e.g. wave action) which must be considered in designing, constructing, operating or maintaining the facility to withstand washout from a 100-year flood. Additionally, provide the following information:

   a. Engineering analysis to indicate the various hydrodynamic and hydrostatic forces expected to result at the site as a consequence of a 100-year flood.

   b. Structural or other engineering studies showing the design of operational units (i.e., tanks, incinerators) and flood protection devices (i.e., floodwalls, dikes) at the facility and how these will prevent washout.

   c. If applicable, and in lieu of (a) and (b) above, a detailed description of procedures to be followed to remove hazardous waste to safety before the facility is flooded, including:

      (1) Timing of such movement relative to flood levels, including the estimated time to move the waste to show

that such movement can be completed before floodwaters reach the facility;

(2) A description of the location(s) to which the waste will be moved and a demonstration that those facilities will be eligible to receive hazardous waste in accordance with the regulations under 40 CFR Parts 264 and 265;

(3) The planned procedures, equipment, and personnel to be used and the means to ensure that such resources will be available in time for use; and

(4) The potential for accidental discharges of the waste during movement.

RESPONSE:

Please see response to comment #3 and #5.

COMMENT:

8. 4.b The contingency plan which has been submitted states, "If the emergency coordinator determines that the facility has had a release...that could threaten human health or the environment outside the facility..." (I.E. 2-6), should be modified to state, "inside and outside the facility".

RESPONSE:

This information has been revised as requested. The revised page is enclosed.

COMMENT:

9. 4.b The contingency plan, "Spill Control Procedures", (I.E. 2-14) must establish the provision for submitting reports of emergency incidents within (15) fifteen days of occurrence. A statement clarifying this timeframe requirement must be incorporated in the language.

RESPONSE:

This information has been added to p.I.E.2-14.

COMMENT:

10. 4.b The contingency plan, "Procedures For Recordkeeping", (I.D. 6), must be expanded to include annual reports, land band notification/certification forms, waste minimization statement and transporter liability certification.

RESPONSE:

The above information has been revised as requested.

COMMENT:

17-730.900(2) Part II.B. Containers

11. 1.b.1 Provide manufacturer's specifications which support that the containment area coating (Sikagard 62 or Concresive 1305) material is compatible with all solvents with which it may contact. (Exhibit I.E. 3-10)

RESPONSE:

This information is enclosed.

COMMENT:

12. 1.b.1 Provide manufacturer's specifications which support that the sump liner (SK Part No. 5280) is compatible with all solvents with which it may contact. (Exhibit I.E. 3-10).

RESPONSE:

This information in enclosed.

COMMENT:

13. 6. The conceptual closure information provided appears adequate. When an actual Closure Permit Application is submitted for review the Department will require a more detailed closure plan.

RESPONSE:

Actual closure plans will be submitted by Safety-Kleen's remediation manager, Mr. Gary Long.

COMMENT:

17-730.900(2) Part II.C. Tanks

14. 2. Specify the nominal capacity (U.S. Gallons) and maximum capacity (U.S. Gallons) of the aboveground storage tanks.

RESPONSE:

The maximum capacity of the tank is 20,000 U.S. gallons. The high level alarm system will be activated when the tank is 95% full or 19,000 U.S. gallons. This information has been added to Section III.B.1.

COMMENT:

15. 2. Exhibit I.E. 3-9 provides (2) two storage tank configurations (vertical installation and horizontal installation). Specify which configuration is to be used at the facility.

RESPONSE:

A revised Exhibit I.E. 3-9 is enclosed.

COMMENT:

16. 4. Exhibit I.E. 3-7 does not detail which couplings will be used for drain line connection, vent line connection, fill line connection and high level alarm transmitter. Provide a drawing which supplies this information.

RESPONSE:

Drawing D11150 Solvent Pump Piping Installation Details is enclosed.

COMMENT:

17. 6. Specify if the proposed aboveground storage tanks are to be newly constructed or used. If used tanks are proposed, submit the ages of all the used tanks.

RESPONSE:

The aboveground tanks will be installed new. This information has been added to Section III.A.1.

COMMENT:

18. 7. Following the timely cleanup of an unsuspected release into the facility's containment area the facility must ensure that residual contaminants are not transported out of the containment system via the sump (Exhibit I.E. 3-6, section A-1) and discharged to a retention pond. It is recommended that the facility investigate installing an oil/water separator following the 6" gate valve and preceding discharge to the retention pond.

RESPONSE:

The sump within the tank farm will be sealed closed.

COMMENT:

19. 7. Supply information on the actual tank configuration (vertical

installation or horizontal installation) to be used and make all necessary adjustments in the tank displacement volume calculations. Provide the reference source and any calculations used to derive the rainfall allowance amount (Exhibit I.E. 3-6).

RESPONSE:

The tanks will be installed vertically. The tank displacement calculations on Exhibit I.E. 3-6 are accurate.

COMMENT:

20. 11. Daily inspection of the aboveground storage tank system (I.E. 4-1) must include a visual inspection of tank bottoms (40 CFR 264.193(c)(3)). Modify and submit daily inspection log (I.E. 4-1) to include a visual inspection of the aboveground storage tank bottoms.

RESPONSE:

This information has been added to Section I.E.4.g.

COMMENT:

21. 12. The conceptual closure information provided would appear adequate with the inclusion of the information requested in comments #24-32. When an actual closure permit application is submitted for review the Department will require a more detailed closure plan.

RESPONSE:

This issue was previously addressed.

COMMENT:

22. 12. In the tank closure the final rinsate must be sampled and analyzed for mineral spirits, volatile organic compounds, lead and cadmium. (Pg. I.F. 1-3, 1.e. and Pg. I.F. 1-4, 2f).

RESPONSE:

This information has been added to Sections I.F.1.1.e. and I.F.1.2.f.

COMMENT:

23. 12. Surface soil samples (from beneath each dumpster) must be collected an analyzed for mineral spirits, volatile organic compounds and E.P. Toxic Metals (Pb, Cd, Cr)(Pg. I.F. 1-4, 2h).

RESPONSE:

This information has been added to Section I.F.1.2.h.

COMMENT:

24. 12. Contaminated soil must either be removed and properly disposed, the contamination eliminated using an alternate method (e.g. soil venting) or closed as a landfill (40 CFR 264.197(b)). (Pg. I.F. 1-4, 2i).

RESPONSE:

This information has been added to Section I.F.1.2.i.

COMMENT:

25. 12. Provisions must be made to prevent backfilling any excavated area with contaminated soil. It must be determined that excavated soil is clean prior to using it as backfill material. (Pg. I.F. 1-5, 3e (1)).

RESPONSE:

This information has been added to Section I.F.1.3.e.(1).

COMMENT:

26. 12. Provisions must be made to contain and properly dispose all rinsate from tank interiors. (Pg. I.F. 1-5, 3a (3)).

RESPONSE:

This information has been added to Section I.F.1.3.a.(7).

COMMENT:

27. 12. The final rinsate must be analyzed for mineral spirits, volatile organic compounds and metals associated with the waste stored in the tanks. (Pg. I.F. 1-5, 3c (8)).

RESPONSE:

This information has been added to Section I.F.1.3.c.(8).

COMMENT:

28. 12. Provisions must be made to disconnect and decontaminate all appurtenant piping and pumping equipment, analyzing the final

rinsate for mineral spirits, volatile organic compounds and metals associated with the waste stored in the tanks. (Pg. I.F. 1-5, 3d (1 & 2)).

RESPONSE:

The rinsing fluids are discharged through the appurtenant piping and pumping system into the storage tank. The final rinsate will be analyzed for mineral spirits, volatile organic compounds, lead, cadmium and chromium. This information is included in Section I.F. 1 & 2.e and f.

COMMENT:

29. 12. Testing for metals should be added to the soil sample analysis (Pg. I.F. 1-5, 3.d.(4)).

RESPONSE:

This information has been added to section I.F.1.3.d.(4).

COMMENT:

30. 12. Include language which state that if it is not possible to eliminate contamination the tank farm area must be closed as a landfill (40 CFR 264.197(b)). (Pg. I.F. 1-5, 3d (5)).

RESPONSE:

This information has been added to Section I.F.1.3.d.(5).

I.D.6 PROCEDURE FOR RECORDKEEPING

Shipments of the product and used solvents are handled by invoices. In addition, the quantities of used solvents shipped to the recycle center and those shipped from regulated generators to the service center are manifested. Manifest copies are kept at the service center and the recycle center for three years. In addition, annual reports, land ban notification/certification forms, waste minimization statement and transporter liability certification are to be kept on file at the service center.

In accordance with 40 CFR 264.76. unmanifested waste reports will be submitted to the DER's office in West Palm Beach should a shipment be received without a manifest.

ultimately be a populated area, public water supply source, a private well or an environmentally sensitive area.

f. Additional steps shall then be taken to mitigate the potential impact on the environment and human health, in accordance with recommendations given.

If the emergency coordinator determines that the facility has had a release, fire, or explosion that could threaten human health or the environment inside or outside the facility, the coordinator must report those findings as follows:

a. If the assessment indicates that evacuation of local areas may be advisable, the coordinator must immediately notify appropriate authorities. The coordinator must be available to help appropriate officials decide whether local areas should be evacuated; and

b. The coordinator must immediately notify the FDER--Southeast District, 1900 S. Congress Ave., Suite A, West Palm Beach, FL 33406, 407/964-9668, and the National Response Center 800/424-8802, by telephone.

The report must include:

(1) name and telephone number of notifier;
(2) name and address of facility;
(3) time and type of incident (e.g., release, fire);

Every spill must be recorded on the spill report telephone log and reviewed with facility personnel to prevent similar spills in the future. A copy of this report is sent to the Environment, Health and Safety Department.

Reports of emergency incidents will be reported within 15 days of occurence to the FDER--Southeast District, 1900 S. Congress Ave., West Palm Beach, FL 33406, 407/964-9668. The report shall include:

(a) name, address, and telephone number of the owner of operator;

(b) name, address, and telephone number of the facility;

(c) date, time, and type of incident (for example, fire or explosion);

(d) name and quantity of materials involved;

(e) the extent of injuries, if any;

(f) an assessment of actual or potential hazards to human health or the environment, where this is applicable; and

(g) estimated quantity and disposition of recovered material that resulted from the incident.

FIRE CONTROL PROCEDURES

The building is sprinklered to extinguish fires. In case of a fire, immediately call the Fire Department. Immersion cleaner and dry cleaning wastes are not ignitable, but produce toxic gases

Daily inspections of aboveground tank system consist of the following:

a. Check the automatic high level alarm. In addition, using the gauge, measure the liquid level of the solvent in the aboveground tanks in inches to double check the proper functioning of the automatic alarm system and to determine any unexpected deviation in data or a sudden drop in the liquid level.
b. Inspect solvent dispensing hoses, connections and valves for any leaks, damage or wear that could cause a leak to develop.
c. The hose and unloading pipe should be drained so that all of the solvent is returned to storage.
d. Valves should be inspected for proper seat. Stem leaks from worn glands and warped valve bodies should be repaired. If the valve cannot be repaired, replace the unit.
e. Pumps should be inspected for packing leaks and cool, quiet operation.
f. The inspection of solvent return receptacle (wet dumpster) consists of the inspection for leaks and excess dumpster mud build-up.
g. Visually inspect the bottom and outside the of tank for corrosion and wear.

The tanks will be periodically inspected and tested. This inspection and testing will involve withdrawal of contents, a squeegie cleaning, visual inspection, and performance of a leak detection test. Frequency and method of future inspection and testing will be determined based upon results of prior evaluations.

b. At closure all the drums will be removed and shipped to a reclaimer, implementing proper packaging, labeling and manifesting procedures. The used solvents will be reclaimed and the drums will be cleaned for reuse.

c. The concrete floor and spill containment areas will be cleaned with detergent solution.

d. The wash water and all other wastes generated in the closure process, after testing whether it is hazardous, will be properly disposed of.

e. The final rinsate must be sampled and analyzed for mineral spirits, volatile organic compounds, lead and cadmium to determine the effectiveness of the cleaning.

2. Solvent Return and Fill Shelter Area

a. This area is used to return the used mineral spirits to the storage tank.

b. Closure of the solvent return receptacle (wet dumpster) will be made prior to the cleaning and removal of the storage tank.

c. At closure, the sediment in the dumpster ("dumpster mud") will be cleaned out and drummed, labeled, and manifested for proper disposal at permitted facilities.

d. The dumpster and the dock area will be thoroughly rinsed with clean mineral spirits followed by detergent solution.

e. The rinsing fluids are discharged through the appurtenant piping system into the storage tank, which will be subjected to a separate closure procedure as described below.

f. The final rinsate must be analyzed for mineral spirits and volatile organic compounds, lead, cadmium and chromium to determine the effectiveness of the cleaning.

g. The cleansed dumpster and dock structure will be reused by Safety-Kleen, or scrapped.

h. Three surface soil samples (one from beneath each dumpster) must be collected and analyzed for mineral spirits, volatile organic compounds and E.P. Toxic Metals (lead, cadmium and chromium).

i. Any contaminated soil must either be removed and properly disposed of or the contamination eliminated using an alternate method (e.g., soil venting) or closed as an landfill.

3. Aboveground Tank and Associated Piping

a. OUTLINE - To safely clean and decommission aboveground storage tank:

(1) Expose doorways or cut openings to provide access to each tank.

(2) Remove remaining material from tanks and ship the materials to a reclaimer.

(3) Rinse, scrape and squeegee tank interiors.

(4) Disconnect and cap all appurtenant piping.

(5) Disconnect and cap all appurtenant pumping equipment.

(6) Remove tanks and appurtenant equipment for final disposition.

(7) Transport and dispose of all other waste material, including unsate from the tank interior generated during the project.

b. PHASE I - OPEN THE TANK

(1) Access to aboveground tanks is obtained by opening manways.

(2) Prior to opening the tanks the personnel should have full face respiratory protection and protective clothing. Once the tanks have been opened they will be provided with positive ventilation. The tanks will then be inspected to determine the approximate quantity and physical conditions of the remaining material.

(c) After being instructed in his responsibilities, the standby observer will sign an instruction form indicating his understanding.

(7) Welding and Burning Within a Tank

(a) All welding and burning equipment must be provided with a shutoff under control of the standby observer; and the watcher must be shown how to shut off the equipment if it becomes necessary.

(b) Welding and burning equipment will only be taken into a tank immediately prior to its use and must be removed from the tank immediately after the job is finished.

(c) For all "hot work" inside a tank, a properly executed flame permit, if needed, must be displayed at the job site.

(d) Standard welding and burning safety precautions will always be followed.

(8) The final rinsate must be analyzed for mineral spirits, volatile organic compounds, lead cadmium and chromium to determine the effectiveness of the cleaning.

d. PHASE III - REMOVE TANK

(1) Disconnect and cap all appurtenant piping.

(2) Disconnect and decontaminate all appurtenant pumping equipment.

(3) The vessels shall be removed and reused by Safety-Kleen or cut up and sold as scrap.

(4) Six surface soil samples (one from beneath each tank) must be collected and analyzed for mineral spirits, volatile organic compounds, lead cadmium and chromium.

(5) Contaminated soil surrounding the tank, when it exists, shall be removed and properly disposed of or an alternate means (e.g., soil venting) used to eliminate contamination. If it is not possible to eliminate contamination, the tank farm area will be closed as a landfill.

e. PHASE IV - BACKFILLING AND REGRADING

(1) Backfill any excavation with previously excavated material using proper compaction. The previously excavated material will be tested clean prior to using it as backfill material.

It may be necessary to add additional backfill with proper compaction if necessary. The material must be of clean materials and easily compacted in place.

III.A.1 MATERIAL COMPATIBILITY

The facility includes two tank farms each containing six new aboveground steel tanks. Used mineral spirits in drums is transferred into one designated 20,000-gallon tank via the wet dumpster. The used solvent is transported, by bulk shipment, to the recycle center. Another 20,000-gallon tank is used to store mineral spirits product and three 20,000-gallon tanks are used to store non-hazardous waste oil. One 20,000-gallon tank is used to store perchloroethylene product. The second tank farm is for future use to store mineral spirits product, non-hazardous waste oil and perchloroethylene product.

Mineral spirits solvent is compatible with the mild steel tank structure; in fact, mineral spirits is often used as a light hydrocarbon coating to prevent rusting of metal parts. Mineral spirits has a specific gravity less than water (0.8) and any water will accumulate in the bottom of the tank. There is the potential for corrosion of the tank at the mineral spirits/water interface; however, the material is pumped from the bottom of the tank so corrosion is minimized.

The tanks are vented (at the top, to the atmosphere) to prevent pressure buildup. There are no flammable vapors and this design will prevent accidental ignition of any vapors (see Exhibit I.E.3-9).

III.A.2 **TREATMENT PROCESSES**

There are no treatment processes at this facility.

III.B.1 **TANK DESIGN AND OPERATION PROCEDURES**

The tanks are designed and constructed to be compatible with the materials stored in them. Typical construction and installation standards for the aboveground tank systems are shown in Exhibits I.E.3-6 through I.E.3-10. All tanks are vented in accordance with N.F.P.A. Standards, and the tanks are equipped with high level alarms. "No Smoking" signs are posted on the entrances to the tank farm and return and fill station. The design and installation of the tank alarm system are shown in Exhibit I.E.3-8.

All tanks are aboveground and are underlain by a 54'-8" x 38'-8" x 6" concrete slab, surrounded by a 24" concrete dike. Secondary containment calculations are on Exhibit I.E.3-6. The dike has been sealed with a chemical resistant coating. Therefore, no surface runon or precipitation would be in contact with the wastes stored at the site and no runoff collection and management system is deemed necessary. The maximum capacity of the tank is 20,000 U.S. gallons. The high level alarm wil be activated when the tank is 95% full (19,000 U.S. gallons). Gauges are used to measure liquid levels in tanks and a float switch-activated automatic high level alarm (which consist of a stobe light and siren) will signal the tank's being 95% full. This alarm allows an operator more than two minutes to stop operations and avoid overfilling the tank. A

INSPECTION LOG SHEET FOR: Daily Inspection of STORAGE TANK SYSTEM

INSPECTOR'S NAME/TITLE: _____

I.E.4-1

INSPECTOR'S SIGNATURE: _____

	MON	TUES	WED	THURS	FRI
DATE:(M/D/Y)					
TIME:					

STORAGE TANKS:
(TANKS MUST NEVER BE MORE THAN 95% FULL!)

Volume in Product Tank (in./gal.)					
Volume in Second Product Tank (in./gal.)					
Volume in Waste Tank (in./gal.)					
Volume in Second Waste Tank (in./gal.)					
Tank Exterior and bottom	A* N	A N	A N	A N	A N

If 'N', circle appropriate problem: rusty or loose anchoring, lack of grounding, wet spots, discoloration, leaks, distortion, other: _____

High Level Alarms	A N	A N	A N	A N	A N

If 'N', circle appropriate problem: malfunctioning "Power On" light, malfunctioning siren/strobe light, other: _____

Volume Gauges	A N	A N	A N	A N	A N

If 'N', circle appropriate problem: disconnected, sticking, condensation, other: _____

CONTAINMENT AREA (Tank Dike):

Bottom and Walls	A N	A N	A N	A N	A N

If 'N', circle appropriate problem: cracks, debris in dike, open drums in dike, ponding/wet spots/stains, deterioration, displacement, leaks, other: _____

Self-closing Drain Valve	A N	A N	A N	A N	A N

If 'N', circle appropriate problem: open, leaks, other: _____

Rigid Piping and Supports	A N	A N	A N	A N	A N

If 'N', circle appropriate problem: distortion, corrosion, paint failure, leaks, other: _____

OBSERVATIONS, COMMENTS, DATE AND NATURE OF ANY REPAIRS: _____

*A = ACCEPTABLE

N = NOT ACCEPTABLE

(IF AN ITEM IS NOT APPLICABLE, ENTER 'N/A' AFTER IT AND DRAW A LINE THROUGH THE 'ACCEPTABLE/NOT ACCEPTABLE' ROW)

INSPECTION LOG SHEET FOR Daily Inspection of STORAGE TANK SYSTEM

I.E.4-1

INSPECTOR'S NAME/TITLE: _____

INSPECTOR'S SIGNATURE: _____

	MON	TUES	WED	THURS	FRI
TRANSFER PUMPS AND HOSES					
Pump Seals	A* N	A N	A N	A N	A N
If 'N', circle appropriate problem: leaks, other: _____					
Motors	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: overheating, other: _____					
Fittings	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: leaks, other: _____					
Valves	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: leaks, sticking, other: _____					
Hose Connections and Fittings	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: cracked, loose, leaks, other: _____					
Hose Body	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: crushed, cracked, thin spots, leaks, other: _____					
RETURN AND FILL STATION					
Wet Dumpster	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: excess sediment buildup, leaks, rust, split seams, distortion, deterioration, excess debris, other: _____					
Secondary Containment	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: excess sediment/liquid, leaks, deterioration, distortion, excess debris, other: _____					
Loading/Unloading Area	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: cracks, ponding/wet spots, deterioration, other: _____					

OBSERVATIONS, COMMENTS, DATE AND NATURE OF ANY REPAIRS: _____

*A = ACCEPTABLE

N = NOT ACCEPTABLE

(IF AN ITEM IS NOT APPLICABLE, ENTER 'N/A' AFTER IT AND DRAW A LINE THROUGH THE 'ACCEPTABLE/NOT ACCEPTABLE' ROW)

Sikagard® 62

High-Build Protective Coating

Technical Data

Description:	Sikagard 62 is a 2-component, solvent-free, high-solids, moisture-insensitive, epoxy resin. It produces a high-build protective, dampproofing and waterproofing vapor-barrier system.
Where To Use:	Use as a high-build, corrosion-resistant, protective coating, or as a seamless flooring system on dry and can't-dry substrates.
Advantages:	• Protects dry and can't-dry substrates. • Exceptional tensile strength. • Good chemical resistance for long-term protection. • Convenient B:A = 1:1 mixing ratio. • Easy, paint-like viscosity. • Durable, smooth finish permits wipe-off graffiti-removal. • Available in 3 standard colors; gray, red, and tan. Special color matches available upon request. • Excellent bonding to all common structural substrates. • Super abrasion resistance for long-term wear. • Sikagard 62, Gray, after cure, is approved for contact with potable water. • All colors are USDA-approved for use in food plants.
Coverage:	225-400 sq ft/gal (4-7 mils)
Packaging:	4-gal units; 1-qt units, 12/case.

Typical Data for Sikagard 62:
(Material and curing conditions @ 73F and 50% R.H.)

Shelf Life:	2 years in original, unopened containers.
Storage Conditions:	Store dry at 40-95F. Condition material to 65-85F before using.
Color:	Gray, red, tan.
Mixing Ratio:	Component 'A' : Component 'B' = 1:1 by volume.
Viscosity:	Approximately 2,700 cps.
Pot Life:	Approximately 35 minutes.
Application Life:	20-25 minutes.
Tack-Free Time:	Approximately 4 hours.
Open Time:	Light foot traffic - 5-7 hours. Rubber-wheel traffic - 8-10 hours.
Immersion and chemical exposure:	3 days

Tensile Properties (ASTM D-638):

14 day	Tensile Strength	6,400 psi
	Elongation at Break	2.7 %

Abrasion (Taber Abrader):

7 day	Weight loss, 1,000 cycles (H-22 wheel, 1,000-gm weight)	0.61 gm

Abrasion Resistance (ASTM D-638):

14 day	Abrasion Coefficient	51 liters/mil

Adhesion (ASTM 3359):

1 day	Adhesion Classification	4A

Water Absorption (ASTM D-570):

7 day	Total Water Absorption (2-hour boil)	0.9%

Chemical Resistance:

Specimen: Two coats- 10 mils
Cured 10 days
Substrate: asbestos cement

CHEMICAL	TEST TEMP.	STORAGE TIME AND EVALUATION				
		1 Day	1 Month	2 Months	6 Months	12 Months
Water	75F	A	A	A	A	A
	100F	A	A	A	A	A
	140F	A	A	A	A,D	A,D
Sodium Chloride Solution (Saturated)	75F	A	A	A	A	A
	100F	A	A	A	A	A
Sodium Hydroxide 30%	75F	A	A	A	A	A
Cement Water (Saturated)	75F	A	A	A	A	A
Detergent Solution (5% Ajax)	75F	A	A	A	A	A
	140F	A	A	A	A,D	A,D
Hydrochloric Acid 10%	75F	A	A	A	A	A
Sulfuric Acid 10%	75F	A	A	A	B	B
Oxalic Acid 10%	75F	A	A,D	A,D	A,D	A,D
Citric Acid 10%	75F	A	A,D	A,D	A,D	A,D
Fuel Oil (Home Heating)	75F	A	A	A	A	A,D
Gasoline (Unleaded)	75F	A	A	A	A	A,D
Iso-Octane	75F	A	A	A	A	A,D
Toluol	75F	A	A	A	A	A,D
Silage	75F	A	A	A,D	A,D	B,D
Synthetic Silage	75F	A	A	B,D	B,D	B,D
Liquid Manure	75F	A	A	A	A	A,D
Ethyl Alcohol	75F	A	C	—	—	—

A: Resistant in permanent contact
B: Temporary resistance
C: Destroyed
D: Discolored

How To Use

Surface Preparation: Surface must be clean and sound. It may be dry or damp, but free of standing water. Remove dust, laitance, grease, curing compounds, impregnations, waxes, foreign particles and disintegrated materials.

Preparation Work: Concrete - Sandblast or use other approved mechanical means.
Steel - Sandblast to white-metal finish.

Mixing: Pre-mix each component. Proportion equal parts by volume of Component 'A' and Component 'B' into a clean mixing container. Mix with a low-speed (400- 600-rpm) drill and Sika paddle for 3 minutes, until uniform in color.
Mix only that quantity that can be used within its application life.

Application: Apply the coating using high-quality rollers or brushes, or spray. Two coats are recommended. The second coat can be applied as soon as the first coat is tack-free and the traffic of application will not damage the first coat. The second coat, however, **must** be applied within 48 hours, since a longer delay will require additional surface preparation.
For slip-resistance, add approximately ½ lb/gal of Sikagard 62 Granules to the mixed material and apply as the first coat. Saturate roller or brush with the material and apply first to a disposable cardboard or other surface to distribute the granules evenly on the equipment.
Do not spray with Sikagard 62 Granules in the coating. When spraying, use the following or similar equipment: Binks Model #18 Air Atomized Spray Gun (#68 fluid nozzle, #68 PB air nozzle, #68 fluid needle, #83-5661, 2-gal pressure fluid tank).
For Sikagard 62 Flooring System information, consult the Technical Data Sheet or call Technical Service.

Limitations:

- Minimum substrate temperature for application 50F.
- Do not apply over wet, glistening surface.
- Material is a vapor barrier after cure.
- Do not apply to surfaces where vapor can condense and freeze.
- Do not encapsulate saturated concrete in areas of freezing and thawing.
- Do not apply to porous surfaces exhibiting moisture-vapor transmission during application. Consult Technical Service.
- Minimum age of concrete prior to application is 21-28 days, depending on curing and drying conditions.
- Do not apply to exterior substrate on-grade. . .epoxy resin coatings will weather and chalk upon exposure to sunlight.
- For spray applications only, thin with Sika Epoxy Thinner at 5% by volume. Thin only when required.

Caution:

Component 'A'-Irritant - Prolonged contact with skin may cause irritation. Avoid eye contact.
Component 'B'-Irritant - Contact with skin may cause severe burns. Avoid eye contact.
Product is a strong sensitizer. Use of safety goggles and chemical-resistant gloves recommended. Remove contaminated clothing. Avoid breathing vapors. Use adequate ventilation. Use of a NIOSH/MSA organic vapor respirator recommended.

First Aid:

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes; contact physician immediately. For respiratory problems, remove person to fresh air. Wash clothing before re-use.

Clean Up:

Collect with absorbent material, flush area with water. Dispose of in accordance with local disposal regulations. Uncured material can be removed with approved solvent. Cured material can only be removed mechanically.

KEEP CONTAINER TIGHTLY CLOSED **KEEP OUT OF REACH OF CHILDREN**
NOT FOR INTERNAL CONSUMPTION **FOR INDUSTRIAL USE ONLY**
CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

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Sikadur 51 NS/SL
Flexible Epoxy Jointing Compound

Convenient 1:2 ratio
Moisture-insensitive, flexible epoxy resin

Technical Data

Description:

Sikadur 51 is a 2-component, solvent-free moisture-insensitive epoxy resin system available in 2 consistencies — NS (non-sagging) and SL (self-leveling).

It has been developed specifically for use as a flexible adhesive and jointing compound. Cures to form a tough, but resilient, material for patching and sealing.

Where To Use:

To fill horizontal, vertical, and overhead cracks and non-moving construction or control joints.

Advantages:

Two consistencies
Moisture-insensitive
Pre-batched for easy mixing
Easy to apply
Excellent adhesion
Permanent flexibility
No priming
Resists wheels and heavy loads
Shock-absorbent
Allows for stress relaxation
Excellent wetting properties
Multi-purpose use
Reinforces concrete joints

Coverage:

One gal will yield 231 cu in. One gallon will fill 51 ft of joint ¼ in. wide × 1½ in. deep.

Packaging:

3-gal units and 12-fl-oz units, 12/carton.

Typical Properties of Sikadur 51 @ 73F 50% RH:

Ratio:	1 part by volume Component 'B' to 2 parts by volume 'A'	
Color:	Component 'A' is white; 'B' is gray; mixed material is a concrete gray.	
Shelf life:	2 years in original container	
Storage Conditions:	Store in cool, dry area. For best results, precondition each component to between 65 and 85F before using.	
Application life:	**Sikadur 51 NS**	**Sikadur 51 SL**
Ambient Temp. 40F	2½ hr	3 hr
73F	2¼ hr	2 hr
90F	1½ hr	1½ hr
Consistency:	Non-Sagging	Self-Leveling
Tensile strength ASTM D-638 Type IV 14 days	600 psi	550 psi
Tensile stress at % elongation 10%	60 psi	100 psi
ASTM D-638 25%	240 psi	230 psi
Type IV, 14 days 50%	480 psi	430 psi
Elongation at break, ASTM D-638 Type IV, 14 days	100%	100%
Modulus of elasticity, ASTM D-638 Type IV, 14 days	1.3×10^3	8.9×10^2
Tensile set at % elongation, ASTM D-638 Type IV, 14 days 10%	0 psi	0 psi
25%	0 psi	0 psi
Tensile set after break ASTM D-638 Type IV, 14 days	<1%	<1%
Tear resistance ASTM D-624 (Die C), 14 days	110 lb/in.	110 lb/in.
Shear strength ASTM D-732, 14 days	800 psi	700 psi

Hardness, shore A **ASTM D-2240, 28 days**	75-80	75-80
Bond strength **ASTM C-882**		
2 days (dry cure)	800 psi	700 psi
14 days (moist cure)	450 psi	400 psi
Tack-free time **ASTM C-679**		
Ambient Temp. 40F	40-48 hr	40-48 hr
73F	7-8 hr	8-9 hr
90F	4½-5 hr	5-5½ hr

HOW TO USE

Surface Preparation: Concrete must be clean and sound. Cracks may be dry or saturated surface dry. Remove laitance, grease, curing compounds, impregnations, waxes, and foreign materials by mechanical means.

Proportioning/ Mixing: Stir both components prior to batching. Into a clean, dry pail add one volume of Component 'B' and two volumes of Component 'A' and mix with a low-speed drill for 3-5 minutes until a uniform gray color is achieved.

Application: *To fill vertical and overhead cracks and non-moving joints,* inject Sikadur 51 NS with standard caulking gun, pressure extruder, or other suitable methods maintaining steady pressure.

To fill horizontal cracks and non-moving joints, pour or inject Sikadur 51 SL with standard caulking gun, pressure extruder, or other suitable methods maintaining steady pressure.

Strike off surface to make level. For use as flexible adhesive or patching compound, allow material to cure fully before applying loads (3-7 days depending on temperature). Consult SikaService.

Clean Up: Clean equipment with Sika Equipment Cleaner, toluene, or other approved solvents.

Limitations:

- Do not thin Sikadur 51 NS/SL. Solvents may prevent proper cure.
- Substrate temperature should be 40F minimum and rising.
- For best results, materials should be maintained between 65F and 85F.
- Maximum relative humidity 95%.
- Do not apply through standing water.
- Minimum age of concrete 28 days.
- Materials are vapor barrier after cure.
- Concrete or masonry must be tested for water vapor transmission prior to application.
- Not designed for use under constant immersion.
- Do not use in expansion joints.

- For applications other than the sealing of control or construction joints, consult SikaService.
- For application in basically non-moving joints only.

Caution:

A COMPONENT — For Industrial Use Only! Warning! May cause skin sensitization or other allergic responses. Avoid inhalation of vapor. Use good ventilation particularly if material is heated or sprayed. Prevent all contact with skin or eyes. If contact with skin occurs, wash immediately with soap and water. In case of contact with eyes, flush immediately with water and contact a physician.

B COMPONENT — DANGER! CAUSES (SEVERE) BURNS. Contains alkaline amines: strong sensitizer. Do not get in eyes, on skin, on clothing. Avoid breathing vapor. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

First Aid:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician. Wash clothing before reuse. Discard contaminated shoes.

WEAR PROTECTIVE CLOTHING, GOGGLES, GLOVES, AND/OR BARRIER CREAMS.

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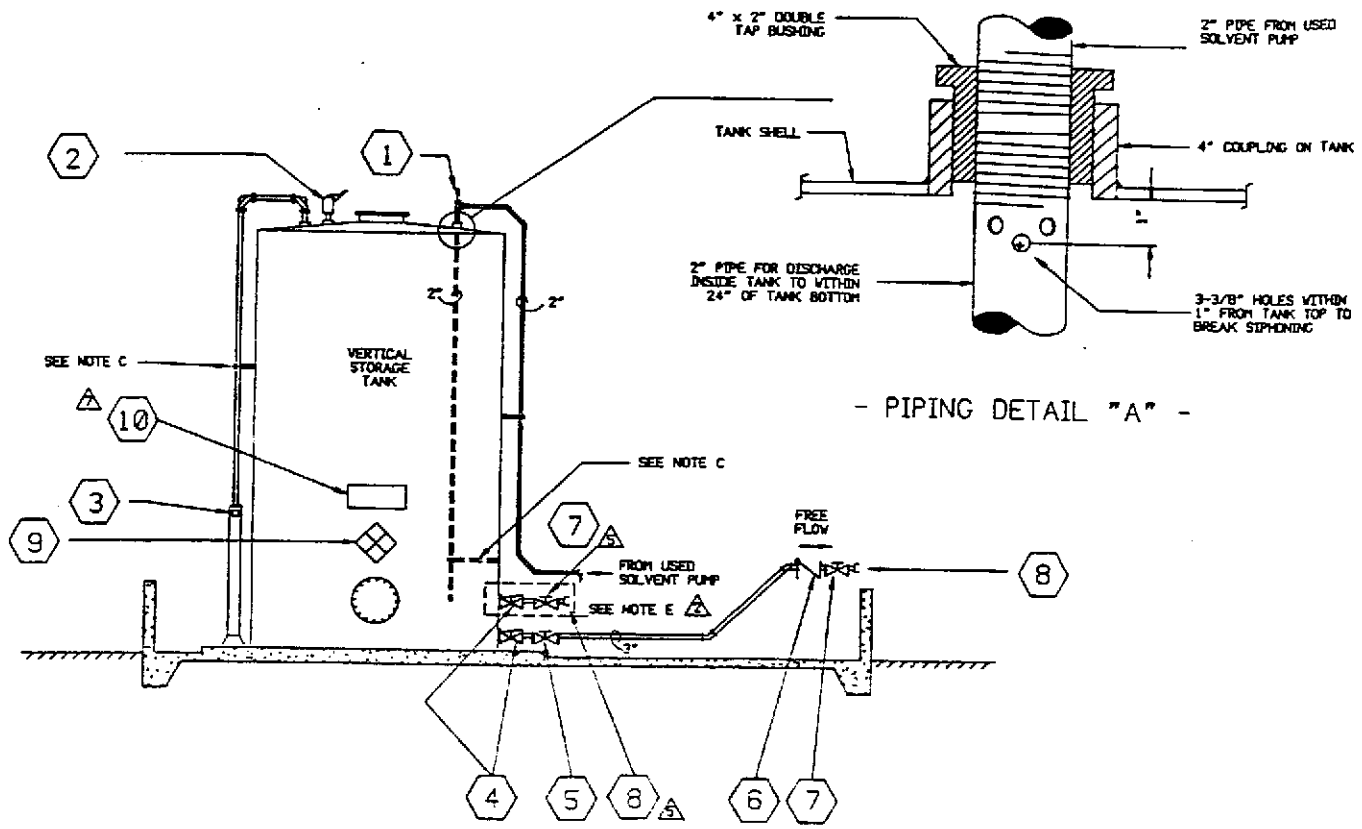
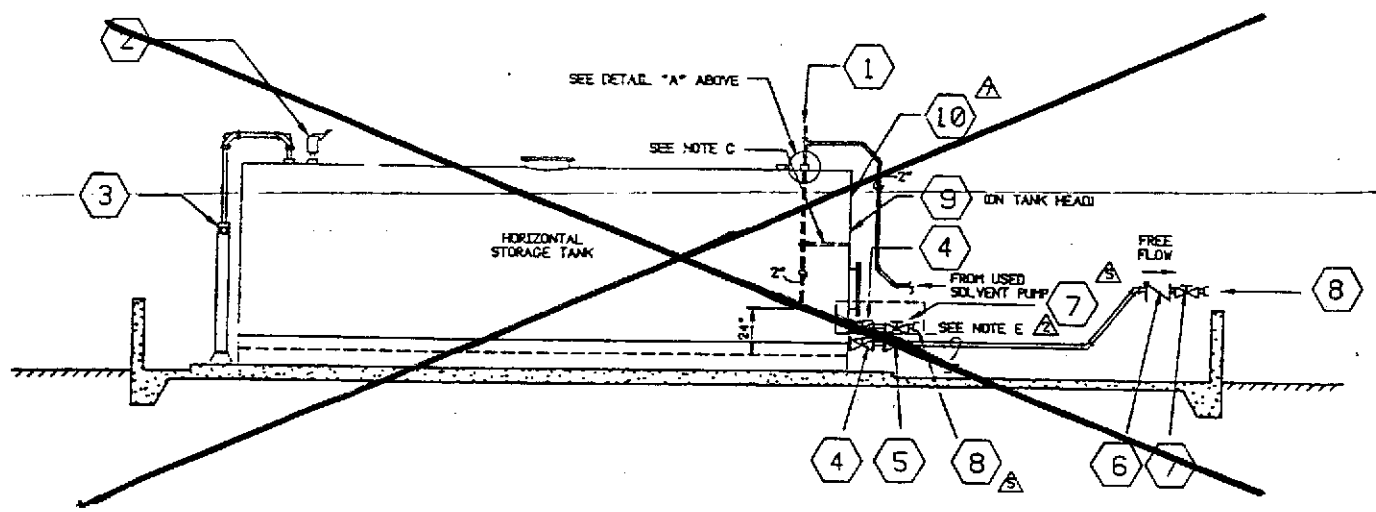


- PIPING DETAIL "A" -

VERTICAL INSTALLATION



- HORIZONTAL INSTALLATION -

⚠5 NOTE: WHEN HORIZONTAL TANKS ARE USED A 3" NIPPLE IS REQUIRED BETWEEN THE INTERNAL EMERGENCY & GATE VALVE

- EQUIPMENT/FIXTURE SCHEDULE -

MARK	SIZE	DESCRIPTION	SK PART NO.	REMARKS
1	3/8"	3/8" AUTOMATIC VACUUM BREAKERS MORRISON BROS. FIG. 134-A	5274	—
2	3"	3" SCREWED PRESSURE/VACUUM VENT MORRISON BROS. FIG. 548 (2 OZ. PRESSURE - 1 OZ. VACUUM)	5339	—
3		TANK GAUGE - MOORMAN BROS. MODEL NO. 7-S	5277	SEE INSTALLATION DETAILS ON SAFETY-KLEEN DWG. A1@243
4	3"	3" INTERNAL EMERGENCY VALVE MORRISON BROS. FIG. 272-HD w/212°F FUSIBLE LINK	5287	SEE INSTALLATION DETAILS ON SAFETY-KLEEN DWG. C11302 ⚠5
5	3"	3" DUCTILE IRON GATE VALVE w/ROUND FLANGED ENDS - MORRISON BROS. FIG. 234-01	5276	SEE INSTALLATION DETAILS ON SAFETY-KLEEN DWG. C11302 ⚠5
6	3"	3" BRONZE CHECK VALVE - MORRISON BROS. FIG. 246-A	5268	—
7	3"	3" BRONZE GATE VALVE - MORRISON BROS. FIG. 235-B LOCKING TYPE	5285	—
8	3"	3" ALUMINUM CAMLOCK QUICK COUPLING - MORRISON BROS. MALE ADAPTOR PART F w/DUST CAP & CHAIN	5284	COUPLING TO BE INSTALLED SIX (6) INCHES ABOVE DIKE WALL
⚠4 9	—	NFPA MATERIAL IDENTIFICATION PLACARD	2452	DISPLAY IN PLAIN SIGHT ABOVE DIKE WALL
⚠4 10	—	"COMBUSTIBLE-KEEP FIRE AWAY" SIGN	81287	DISPLAY IN PLAIN SIGHT ABOVE DIKE WALL

- GENERAL NOTES -

(A) THIS DRAWING SUPERCEDES SAFETY-KLEEN CORP. DRAWINGS C10235 & C10236.

(B) SEE INDIVIDUAL SERVICE CENTER SITE PLANS FOR SITE DIMENSIONS AND RELATED INFORMATION AND ALSO LOCATION AND ARRANGEMENT OF THESE PIPING DETAILS.

(C) ALL PIPING TO BE SCHEDULE 40 GALVANIZED AND BE SUPPORTED EVERY (8) RUNNING FEET - CONTRACTOR TO SUPPLY ALL BRACKETS, CLAMPS, ETC. AS REQUIRED FOR SUPPORTING PIPE - ALL EXPOSED THREADS AT JOINTS TO BE PAINTED WITH A RUST RESISTANT EXTERIOR GRADE PAINT. PIPING SUPPORT HARDWARE TO BE UNISTRUT BRAND OR APPROVED EQUIVALENT.

(D) ALL DIRECTION CHANGES IN DIRTY SOLVENT LINES TO BE MADE USING A COMBINATION OF 45° ELBOWS OR LONG SWEEP 90° ELBOWS.

⚠3 ⚠1 (E) THIS INSTALLATION TO BE MADE WHERE NEW TANKS ARE TO BE INSTALLED AT ANY LOCATIONS PRONE TO FREEZING. SEE INSTALLATION DETAILS ON SAFETY-KLEEN DWG. C11302.

⚠4 (F) ALL ITEMS WITH SAFETY-KLEEN PART NO. REFERENCES WILL BE SUPPLIED TO CONTRACTOR.

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
⚠6	ADDED NOTE	C.S.			6/13/96
⚠5	CHANGED PART NO. 5277 TO 5339	J.S.K.			5/1/96
⚠4	ADDED "COMBUSTIBLE" SIGN	R.D.			1/27/96
⚠3	REV. GEN. NOTES NO. SYSTEM TO LETTERS	C.S.			3/28/95
⚠2	REMOVED 3" PLUG-ADDED VALVE/CAPLOCK	M.J.J.			3/28/95
⚠1	ADDED ITEM 9 TO SCHEDULE & DWG.	M.J.J.			11/5/94
⚠1	ADDED NOTE F	M.J.J.			10/21/94
⚠1	REVISED DETAIL IN NOTE E SHOWN ON DWG.	M.J.J.			12/5/93

EXHIBIT I.E. 3-9 8-24-89

TITLE: USED SOLVENT STORAGE TANK INSTALLATION DETAILS

SAFETY-KLEEN CORP.

PROCESS APPR. | DRAWING APPR. | SCALE: NTS | DRAWN: R.E. | DATE: 8/22/89

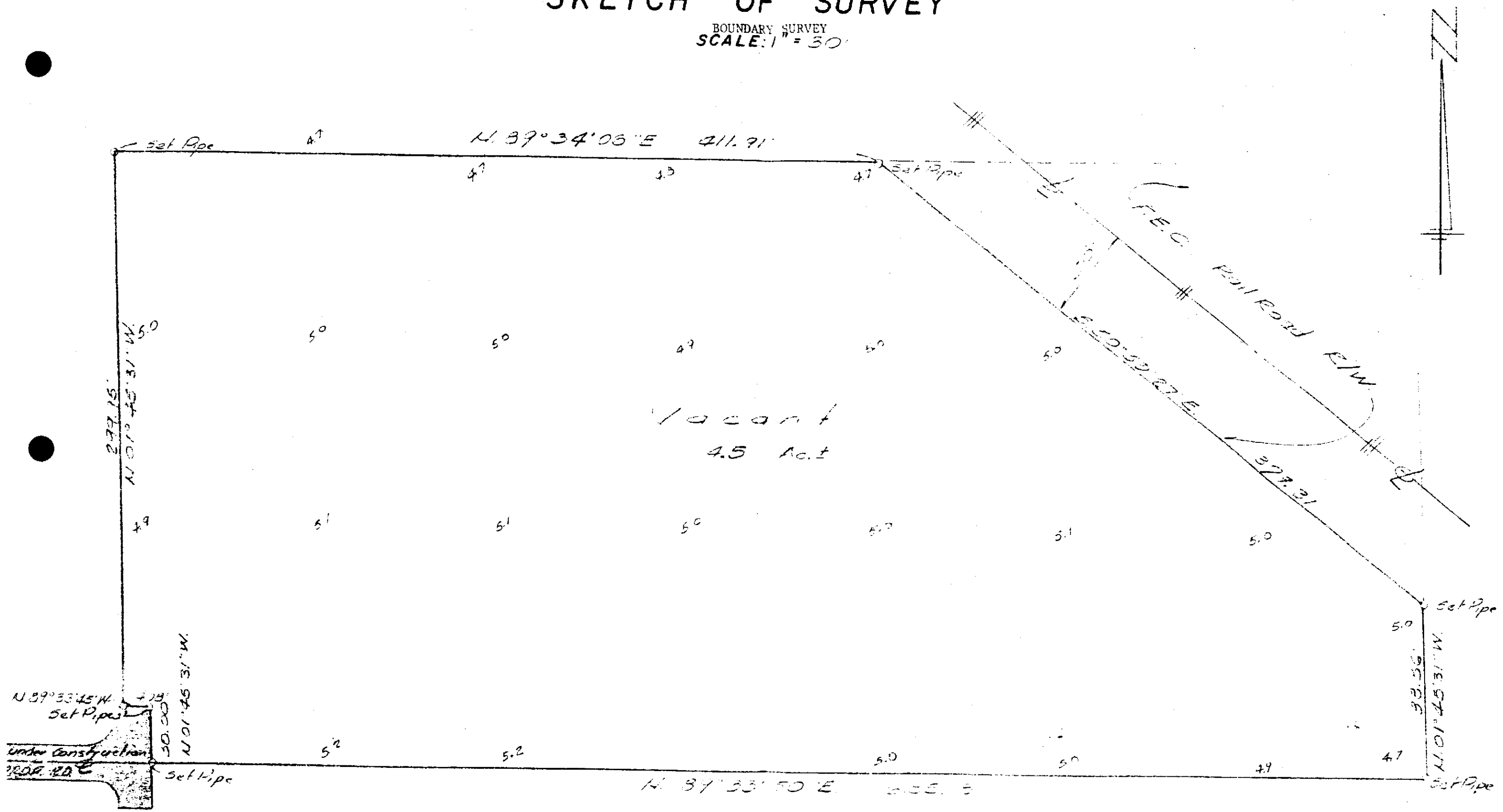
FOR BRANCH SERVICE CENTER

DRAWING NO. D11124

SAFETY-KLEEN'S PROPOSED SERVICE CENTER IN MEDLEY, FLORIDA

SKETCH OF SURVEY

BOUNDARY SURVEY
SCALE: 1" = 30'



Elevations are referred to NGV Datum based upon Dade County Bench Mark No. N-519 located at N.W. 103 Street Extension and U.S. Highway No. 27, Elevation 10.07 feet.

Bearings are based on the State Plane Coordinate System Florida East Zone.

safety-kleen®

FEDERAL EXPRESS

April 25, 1990

Mr. J. Scott Benyon
Florida Department of Environmental Regulation
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406

Subject: Proposed Medley Service Center
Construction Permit #HC 13-175466

Dear Mr. Benyon:

This has been prepared in response to your letter dated March 26, 1990. Please find enclosed responses to comments, revised pages for the text and revised exhibits for the subject facility.

If you have any questions or require further information, please contact me on extension 2550.

Sincerely,

Rob Omiecinski

Rob Omiecinski
Environmental Permit Writer

RO/dmg

cc: F. Stockbarger, Tampa Regional Manager
Branch Manager (3-097-02)
J. Hartline
H. Farchmin

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

SAFETY-KLEEN CORP.
MEDLEY SERVICE CENTER
RESPONSES TO COMMENTS DATED MARCH 26, 1990

GENERAL COMMENTS

COMMENT:

17-730.900(2) Part I.A. General Information

1. 20. Please submit EPA/DER I.D. Number, upon completion of pending issuance.

OK

RESPONSE:

Safety-Kleen has not received its EPA I.D. Number. Once received, it will be forwarded to your office.

COMMENT:

17-730.900(2) Part I.B. Site Information

2. 3. Provide photographs of the proposed facility site showing the location of future areas.

OK

RESPONSE:

Photographs of the proposed site are enclosed. Future storage locations can be found on the Site Plan.

COMMENT:

3. 4.2 Submit a legible map indicating the facility's location within the 100-year floodplain area.

RESPONSE:

The entire industrial park has been regraded to an elevation that is above the 100-year floodplain. Further information will be included in the Water Management Plan.

COMMENT:

17-930.900(2) Part II.A. General

4. 1A. The maps provided in the application do not adequately depict the area of 100-year floodplain (illegible), orientation of the topographic map, contours sufficient to show surface water flow, drainage or flood control and runoff control system. Submit a map or series of maps (legible quality) which clearly detail the inadequately depicted site characteristics.

RESPONSE:

Please see response to comment #3. In addition, a site survey drawing with spot elevations indicating the direction of surface water flow is enclosed.

COMMENT:

5. 1A. Provide a site specific surface water management plan.

RESPONSE:

A water management plan has been requested of Mr. Matt Heppner, Safety-Kleen's regional engineer. It will be forwarded to your office by June 15, 1990.

COMMENT:

6. 1B. Submit a wind rose of legible quality which includes the indication of legend and date.

RESPONSE:

A wind rose map is enclosed.

COMMENT:

7. 3. The proposed Safety-Kleen Service Center is shown (Exhibit I.B.5-1) to be located in Zone AH (EL.6). Zone AH is a special flood hazard area (SFHA) subject to inundation by the 100-year shallow flooding (usually areas of ponding) where average depths are between (1) one and (3) three feet. Identify the 100-year flood level and any other special flooding factors (e.g. wave action) which must be considered in designing, constructing, operating or maintaining the facility to withstand washout from a 100-year flood. Additionally, provide the following information:

   a. Engineering analysis to indicate the various hydrodynamic and hydrostatic forces expected to result at the site as a consequence of a 100-year flood.

   b. Structural or other engineering studies showing the design of operational units (i.e., tanks, incinerators) and flood protection devices (i.e., floodwalls, dikes) at the facility and how these will prevent washout.

   c. If applicable, and in lieu of (a) and (b) above, a detailed description of procedures to be followed to remove hazardous waste to safety before the facility is flooded, including:

      (1) Timing of such movement relative to flood levels, including the estimated time to move the waste to show

that such movement can be completed before floodwaters reach the facility;

(2) A description of the location(s) to which the waste will be moved and a demonstration that those facilities will be eligible to receive hazardous waste in accordance with the regulations under 40 CFR Parts 264 and 265;

(3) The planned procedures, equipment, and personnel to be used and the means to ensure that such resources will be available in time for use; and

(4) The potential for accidental discharges of the waste during movement.

RESPONSE:

Please see response to comment #3 and #5.

COMMENT:

8. 4.b The contingency plan which has been submitted states, "If the emergency coordinator determines that the facility has had a release...that could threaten human health or the environment outside the facility..." (I.E. 2-6), should be modified to state, "inside and outside the facility".

RESPONSE:

This information has been revised as requested. The revised page is enclosed.

COMMENT:

9. 4.b The contingency plan, "Spill Control Procedures", (I.E. 2-14) must establish the provision for submitting reports of emergency incidents within (15) fifteen days of occurrence. A statement clarifying this timeframe requirement must be incorporated in the language.

RESPONSE:

This information has been added to p.I.E.2-14.

COMMENT:

10. 4.b The contingency plan, "Procedures For Recordkeeping", (I.D. 6), must be expanded to include annual reports, land band notification/certification forms, waste minimization statement and transporter liability certification.

RESPONSE:

The above information has been revised as requested.

COMMENT:

17-730.900(2) Part II.B. Containers

11. 1.b.1 Provide manufacturer's specifications which support that the containment area coating (Sikagard 62 or Concresive 1305) material is compatible with all solvents with which it may contact. (Exhibit I.E. 3-10)

RESPONSE:

This information is enclosed.

COMMENT:

12. 1.b.1 Provide manufacturer's specifications which support that the sump liner (SK Part No. 5280) is compatible with all solvents with which it may contact. (Exhibit I.E. 3-10).

RESPONSE:

This information in enclosed.

COMMENT:

13. 6. The conceptual closure information provided appears adequate. When an actual Closure Permit Application is submitted for review the Department will require a more detailed closure plan.

RESPONSE:

Actual closure plans will be submitted by Safety-Kleen's remediation manager, Mr. Gary Long.

COMMENT:

17-730.900(2) Part II.C. Tanks

14. 2. Specify the nominal capacity (U.S. Gallons) and maximum capacity (U.S. Gallons) of the aboveground storage tanks.

RESPONSE:

The maximum capacity of the tank is 20,000 U.S. gallons. The high level alarm system will be activated when the tank is 95% full or 19,000 U.S. gallons. This information has been added to Section III.B.1.

COMMENT:

15. 2. Exhibit I.E. 3-9 provides (2) two storage tank configurations (vertical installation and horizontal installation). Specify which configuration is to be used at the facility.

RESPONSE:

A revised Exhibit I.E. 3-9 is enclosed.

COMMENT:

16. 4. Exhibit I.E. 3-7 does not detail which couplings will be used for drain line connection, vent line connection, fill line connection and high level alarm transmitter. Provide a drawing which supplies this information.

RESPONSE:

Drawing D11150 Solvent Pump Piping Installation Details is enclosed.

COMMENT:

17. 6. Specify if the proposed aboveground storage tanks are to be newly constructed or used. If used tanks are proposed, submit the ages of all the used tanks.

RESPONSE:

The aboveground tanks will be installed new. This information has been added to Section III.A.1.

COMMENT:

18. 7. Following the timely cleanup of an unsuspected release into the facility's containment area the facility must ensure that residual contaminants are not transported out of the containment system via the sump (Exhibit I.E. 3-6, section A-1) and discharged to a retention pond. It is recommended that the facility investigate installing an oil/water separator following the 6" gate valve and preceding discharge to the retention pond.

RESPONSE:

The sump within the tank farm will be sealed closed.

COMMENT:

19. 7. Supply information on the actual tank configuration (vertical

installation or horizontal installation) to be used and make all necessary adjustments in the tank displacement volume calculations. Provide the reference source and any calculations used to derive the rainfall allowance amount (Exhibit I.E. 3-6).

RESPONSE:

The tanks will be installed vertically. The tank displacement calculations on Exhibit I.E. 3-6 are accurate.

COMMENT:

20. 11. Daily inspection of the aboveground storage tank system (I.E. 4-1) must include a visual inspection of tank bottoms (40 CFR 264.193(c)(3)). Modify and submit daily inspection log (I.E. 4-1) to include a visual inspection of the aboveground storage tank bottoms.

RESPONSE:

This information has been added to Section I.E.4.g.

COMMENT:

21. 12. The conceptual closure information provided would appear adequate with the inclusion of the information requested in comments #24-32. When an actual closure permit application is submitted for review the Department will require a more detailed closure plan.

RESPONSE:

This issue was previously addressed.

COMMENT:

22. 12. In the tank closure the final rinsate must be sampled and analyzed for mineral spirits, volatile organic compounds, lead and cadmium. (Pg. I.F. 1-3, 1.e. and Pg. I.F. 1-4, 2f).

RESPONSE:

This information has been added to Sections I.F.1.1.e. and I.F.1.2.f.

COMMENT:

23. 12. Surface soil samples (from beneath each dumpster) must be collected an analyzed for mineral spirits, volatile organic compounds and E.P. Toxic Metals (Pb, Cd, Cr)(Pg. I.F. 1-4, 2h).

RESPONSE:

This information has been added to Section I.F.1.2.h.

COMMENT:

24. 12. Contaminated soil must either be removed and properly disposed, the contamination eliminated using an alternate method (e.g. soil venting) or closed as a landfill (40 CFR 264.197(b)). (Pg. I.F. 1-4, 2i).

RESPONSE:

This information has been added to Section I.F.1.2.i.

COMMENT:

25. 12. Provisions must be made to prevent backfilling any excavated area with contaminated soil. It must be determined that excavated soil is clean prior to using it as backfill material. (Pg. I.F. 1-5, 3e (1)).

RESPONSE:

This information has been added to Section I.F.1.3.e.(1).

COMMENT:

26. 12. Provisions must be made to contain and properly dispose all rinsate from tank interiors. (Pg. I.F. 1-5, 3a (3)).

RESPONSE:

This information has been added to Section I.F.1.3.a.(7).

COMMENT:

27. 12. The final rinsate must be analyzed for mineral spirits, volatile organic compounds and metals associated with the waste stored in the tanks. (Pg. I.F. 1-5, 3c (8)).

RESPONSE:

This information has been added to Section I.F.1.3.c.(8).

COMMENT:

28. 12. Provisions must be made to disconnect and decontaminate all appurtenant piping and pumping equipment, analyzing the final

rinsate for mineral spirits, volatile organic compounds and metals associated with the waste stored in the tanks. (Pg. I.F. 1-5, 3d (1 & 2)).

RESPONSE:

The rinsing fluids are discharged through the appurtenant piping and pumping system into the storage tank. The final rinsate will be analyzed for mineral spirits, volatile organic compounds, lead, cadmium and chromium. This information is included in Section I.F. 1 & 2.e and f.

COMMENT:

29. 12. Testing for metals should be added to the soil sample analysis (Pg. I.F. 1-5, 3.d.(4)).

RESPONSE:

This information has been added to section I.F.1.3.d.(4).

COMMENT:

30. 12. Include language which state that if it is not possible to eliminate contamination the tank farm area must be closed as a landfill (40 CFR 264.197(b)). (Pg. I.F. 1-5, 3d (5)).

RESPONSE:

This information has been added to Section I.F.1.3.d.(5).

I.D.6 PROCEDURE FOR RECORDKEEPING

Shipments of the product and used solvents are handled by invoices. In addition, the quantities of used solvents shipped to the recycle center and those shipped from regulated generators to the service center are manifested. Manifest copies are kept at the service center and the recycle center for three years. In addition, annual reports, land ban notification/certification forms, waste minimization statement and transporter liability certification are to be kept on file at the service center.

In accordance with 40 CFR 264.76. unmanifested waste reports will be submitted to the DER's office in West Palm Beach should a shipment be received without a manifest.

ultimately be a populated area, public water supply source, a private well or an environmentally sensitive area.

f. Additional steps shall then be taken to mitigate the potential impact on the environment and human health, in accordance with recommendations given.

If the emergency coordinator determines that the facility has had a release, fire, or explosion that could threaten human health or the environment inside or outside the facility, the coordinator must report those findings as follows:

a. If the assessment indicates that evacuation of local areas may be advisable, the coordinator must immediately notify appropriate authorities. The coordinator must be available to help appropriate officials decide whether local areas should be evacuated; and

b. The coordinator must immediately notify the FDER--Southeast District, 1900 S. Congress Ave., Suite A, West Palm Beach, FL 33406, 407/964-9668, and the National Response Center 800/424-8802, by telephone.

The report must include:

(1) name and telephone number of notifier;
(2) name and address of facility;
(3) time and type of incident (e.g., release, fire);

Every spill must be recorded on the spill report telephone log and reviewed with facility personnel to prevent similar spills in the future. A copy of this report is sent to the Environment, Health and Safety Department.

Reports of emergency incidents will be reported within 15 days of occurence to the FDER--Southeast District, 1900 S. Congress Ave., West Palm Beach, FL 33406, 407/964-9668. The report shall include:

(a) name, address, and telephone number of the owner of operator;

(b) name, address, and telephone number of the facility;

(c) date, time, and type of incident (for example, fire or explosion);

(d) name and quantity of materials involved;

(e) the extent of injuries, if any;

(f) an assessment of actual or potential hazards to human health or the environment, where this is applicable; and

(g) estimated quantity and disposition of recovered material that resulted from the incident.

FIRE CONTROL PROCEDURES

The building is sprinklered to extinguish fires. In case of a fire, immediately call the Fire Department. Immersion cleaner and dry cleaning wastes are not ignitable, but produce toxic gases

Daily inspections of aboveground tank system consist of the following:

a. Check the automatic high level alarm. In addition, using the gauge, measure the liquid level of the solvent in the aboveground tanks in inches to double check the proper functioning of the automatic alarm system and to determine any unexpected deviation in data or a sudden drop in the liquid level.
b. Inspect solvent dispensing hoses, connections and valves for any leaks, damage or wear that could cause a leak to develop.
c. The hose and unloading pipe should be drained so that all of the solvent is returned to storage.
d. Valves should be inspected for proper seat. Stem leaks from worn glands and warped valve bodies should be repaired. If the valve cannot be repaired, replace the unit.
e. Pumps should be inspected for packing leaks and cool, quiet operation.
f. The inspection of solvent return receptacle (wet dumpster) consists of the inspection for leaks and excess dumpster mud build-up.
g. Visually inspect the bottom and outside the of tank for corrosion and wear.

The tanks will be periodically inspected and tested. This inspection and testing will involve withdrawal of contents, a squeegie cleaning, visual inspection, and performance of a leak detection test. Frequency and method of future inspection and testing will be determined based upon results of prior evaluations.

b. At closure all the drums will be removed and shipped to a reclaimer, implementing proper packaging, labeling and manifesting procedures. The used solvents will be reclaimed and the drums will be cleaned for reuse.

c. The concrete floor and spill containment areas will be cleaned with detergent solution.

d. The wash water and all other wastes generated in the closure process, after testing whether it is hazardous, will be properly disposed of.

e. The final rinsate must be sampled and analyzed for mineral spirits, volatile organic compounds, lead and cadmium to determine the effectiveness of the cleaning.

2. Solvent Return and Fill Shelter Area

a. This area is used to return the used mineral spirits to the storage tank.

b. Closure of the solvent return receptacle (wet dumpster) will be made prior to the cleaning and removal of the storage tank.

c. At closure, the sediment in the dumpster ("dumpster mud") will be cleaned out and drummed, labeled, and manifested for proper disposal at permitted facilities.

d. The dumpster and the dock area will be thoroughly rinsed with clean mineral spirits followed by detergent solution.

e. The rinsing fluids are discharged through the appurtenant piping system into the storage tank, which will be subjected to a separate closure procedure as described below.

f. The final rinsate must be analyzed for mineral spirits and volatile organic compounds, lead, cadmium and chromium to determine the effectiveness of the cleaning.

g. The cleansed dumpster and dock structure will be reused by Safety-Kleen, or scrapped.

h. Three surface soil samples (one from beneath each dumpster) must be collected and analyzed for mineral spirits, volatile organic compounds and E.P. Toxic Metals (lead, cadmium and chromium).

i. Any contaminated soil must either be removed and properly disposed of or the contamination eliminated using an alternate method (e.g., soil venting) or closed as an landfill.

3. Aboveground Tank and Associated Piping

a. OUTLINE - To safely clean and decommission aboveground storage tank:

(1) Expose doorways or cut openings to provide access to each tank.

(2) Remove remaining material from tanks and ship the materials to a reclaimer.

(3) Rinse, scrape and squeegee tank interiors.

(4) Disconnect and cap all appurtenant piping.

(5) Disconnect and cap all appurtenant pumping equipment.

(6) Remove tanks and appurtenant equipment for final disposition.

(7) Transport and dispose of all other waste material, including unsate from the tank interior generated during the project.

b. PHASE I - OPEN THE TANK

(1) Access to aboveground tanks is obtained by opening manways.

(2) Prior to opening the tanks the personnel should have full face respiratory protection and protective clothing. Once the tanks have been opened they will be provided with positive ventilation. The tanks will then be inspected to determine the approximate quantity and physical conditions of the remaining material.

(c) After being instructed in his responsibilities, the standby observer will sign an instruction form indicating his understanding.

(7) Welding and Burning Within a Tank

(a) All welding and burning equipment must be provided with a shutoff under control of the standby observer; and the watcher must be shown how to shut off the equipment if it becomes necessary.

(b) Welding and burning equipment will only be taken into a tank immediately prior to its use and must be removed from the tank immediately after the job is finished.

(c) For all "hot work" inside a tank, a properly executed flame permit, if needed, must be displayed at the job site.

(d) Standard welding and burning safety precautions will always be followed.

(8) The final rinsate must be analyzed for mineral spirits, volatile organic compounds, lead cadmium and chromium to determine the effectiveness of the cleaning.

d. PHASE III - REMOVE TANK

(1) Disconnect and cap all appurtenant piping.

(2) Disconnect and decontaminate all appurtenant pumping equipment.

(3) The vessels shall be removed and reused by Safety-Kleen or cut up and sold as scrap.

(4) Six surface soil samples (one from beneath each tank) must be collected and analyzed for mineral spirits, volatile organic compounds, lead cadmium and chromium.

(5) Contaminated soil surrounding the tank, when it exists, shall be removed and properly disposed of or an alternate means (e.g., soil venting) used to eliminate contamination. If it is not possible to eliminate contamination, the tank farm area will be closed as a landfill.

e. PHASE IV - BACKFILLING AND REGRADING

(1) Backfill any excavation with previously excavated material using proper compaction. The previously excavated material will be tested clean prior to using it as backfill material.

It may be necessary to add additional backfill with proper compaction if necessary. The material must be of clean materials and easily compacted in place.

III.A.1 MATERIAL COMPATIBILITY

The facility includes two tank farms each containing six new aboveground steel tanks. Used mineral spirits in drums is transferred into one designated 20,000-gallon tank via the wet dumpster. The used solvent is transported, by bulk shipment, to the recycle center. Another 20,000-gallon tank is used to store mineral spirits product and three 20,000-gallon tanks are used to store non-hazardous waste oil. One 20,000-gallon tank is used to store perchloroethylene product. The second tank farm is for future use to store mineral spirits product, non-hazardous waste oil and perchloroethylene product.

Mineral spirits solvent is compatible with the mild steel tank structure; in fact, mineral spirits is often used as a light hydrocarbon coating to prevent rusting of metal parts. Mineral spirits has a specific gravity less than water (0.8) and any water will accumulate in the bottom of the tank. There is the potential for corrosion of the tank at the mineral spirits/water interface; however, the material is pumped from the bottom of the tank so corrosion is minimized.

The tanks are vented (at the top, to the atmosphere) to prevent pressure buildup. There are no flammable vapors and this design will prevent accidental ignition of any vapors (see Exhibit I.E.3-9).

III.A.2 TREATMENT PROCESSES

There are no treatment processes at this facility.

III.B.1 TANK DESIGN AND OPERATION PROCEDURES

The tanks are designed and constructed to be compatible with the materials stored in them. Typical construction and installation standards for the aboveground tank systems are shown in Exhibits I.E.3-6 through I.E.3-10. All tanks are vented in accordance with N.F.P.A. Standards, and the tanks are equipped with high level alarms. "No Smoking" signs are posted on the entrances to the tank farm and return and fill station. The design and installation of the tank alarm system are shown in Exhibit I.E.3-8.

All tanks are aboveground and are underlain by a 54'-8" x 38'-8" x 6" concrete slab, surrounded by a 24" concrete dike. Secondary containment calculations are on Exhibit I.E.3-6. The dike has been sealed with a chemical resistant coating. Therefore, no surface runon or precipitation would be in contact with the wastes stored at the site and no runoff collection and management system is deemed necessary. The maximum capacity of the tank is 20,000 U.S. gallons. The high level alarm wil be activated when the tank is 95% full (19,000 U.S. gallons). Gauges are used to measure liquid levels in tanks and a float switch-activated automatic high level alarm (which consist of a stobe light and siren) will signal the tank's being 95% full. This alarm allows an operator more than two minutes to stop operations and avoid overfilling the tank. A

INSPECTION LOG SHEET FOR: Daily Inspection of STORAGE TANK SYSTEM

INSPECTOR'S NAME/TITLE: _____

I.E.4-1

INSPECTOR'S SIGNATURE: _____

	MON	TUES	WED	THURS	FRI
DATE:(M/D/Y)					
TIME:					

STORAGE TANKS:
(TANKS MUST NEVER BE MORE THAN 95% FULL!)

Volume in Product Tank (in./gal.)					
Volume in Second Product Tank (in./gal.)					
Volume in Waste Tank (in./gal.)					
Volume in Second Waste Tank (in./gal.)					
Tank Exterior and bottom	A* N	A N	A N	A N	A N

If 'N', circle appropriate problem: rusty or loose anchoring, lack of grounding, wet spots, discoloration, leaks, distortion, other: _____

High Level Alarms	A N	A N	A N	A N	A N

If 'N', circle appropriate problem: malfunctioning "Power On" light, malfunctioning siren/strobe light, other: _____

Volume Gauges	A N	A N	A N	A N	A N

If 'N', circle appropriate problem: disconnected, sticking, condensation, other: _____

CONTAINMENT AREA (Tank Dike):

Bottom and Walls	A N	A N	A N	A N	A N

If 'N', circle appropriate problem: cracks, debris in dike, open drums in dike, ponding/wet spots/stains, deterioration, displacement, leaks, other: _____

Self-closing Drain Valve	A N	A N	A N	A N	A N

If 'N', circle appropriate problem: open, leaks, other: _____

Rigid Piping and Supports	A N	A N	A N	A N	A N

If 'N', circle appropriate problem: distortion, corrosion, paint failure, leaks, other: _____

OBSERVATIONS, COMMENTS, DATE AND NATURE OF ANY REPAIRS: _____

*A = ACCEPTABLE

N = NOT ACCEPTABLE

(IF AN ITEM IS NOT APPLICABLE, ENTER 'N/A' AFTER IT AND DRAW A LINE THROUGH THE 'ACCEPTABLE/NOT ACCEPTABLE' ROW)

INSPECTION LOG SHEET FOR: Daily Inspection of STORAGE TANK SYSTEM

INSPECTOR'S NAME/TITLE: _____ I.E.4-1

INSPECTOR'S SIGNATURE: _____

	MON	TUES	WED	THURS	FRI
TRANSFER PUMPS AND HOSES					
Pump Seals	A* N	A N	A N	A N	A N
If 'N', circle appropriate problem: leaks, other: _____					
Motors	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: overheating, other: _____					
Fittings	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: leaks, other: _____					
Valves	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: leaks, sticking, other: _____					
Hose Connections and Fittings	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: cracked, loose, leaks, other: _____					
Hose Body	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: crushed, cracked, thin spots, leaks, other: _____					
RETURN AND FILL STATION					
Wet Dumpster	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: excess sediment buildup, leaks, rust, split seams, distortion, deterioration, excess debris, other: _____					
Secondary Containment	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: excess sediment/liquid, leaks, deterioration, distortion, excess debris, other: _____					
Loading/Unloading Area	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: cracks, ponding/wet spots, deterioration, other: _____					

OBSERVATIONS, COMMENTS, DATE AND NATURE OF ANY REPAIRS: _____

*A = ACCEPTABLE

N = NOT ACCEPTABLE

(IF AN ITEM IS NOT APPLICABLE, ENTER 'N/A' AFTER IT AND DRAW A LINE THROUGH THE 'ACCEPTABLE/NOT ACCEPTABLE' ROW)

Sikagard® 62

High-Build Protective Coating

Technical Data

Description:	Sikagard 62 is a 2-component, solvent-free, high-solids, moisture-insensitive, epoxy resin. It produces a high-build protective, dampproofing and waterproofing vapor-barrier system.
Where To Use:	Use as a high-build, corrosion-resistant, protective coating, or as a seamless flooring system on dry and can't-dry substrates.
Advantages:	• Protects dry and can't-dry substrates. • Exceptional tensile strength. • Good chemical resistance for long-term protection. • Convenient B:A = 1:1 mixing ratio. • Easy, paint-like viscosity. • Durable, smooth finish permits wipe-off graffiti-removal. • Available in 3 standard colors; gray, red, and tan. Special color matches available upon request. • Excellent bonding to all common structural substrates. • Super abrasion resistance for long-term wear. • Sikagard 62, Gray, after cure, is approved for contact with potable water. • All colors are USDA-approved for use in food plants.
Coverage:	225-400 sq ft/gal (4-7 mils)
Packaging:	4-gal units; 1-qt units, 12/case.

Typical Data for Sikagard 62:
(Material and curing conditions @ 73F and 50% R.H.)

Shelf Life:	2 years in original, unopened containers.
Storage Conditions:	Store dry at 40-95F. Condition material to 65-85F before using.
Color:	Gray, red, tan.
Mixing Ratio:	Component 'A' : Component 'B' = 1:1 by volume.
Viscosity:	Approximately 2,700 cps.
Pot Life:	Approximately 35 minutes.
Application Life:	20-25 minutes.
Tack-Free Time:	Approximately 4 hours.
Open Time:	Light foot traffic - 5-7 hours. Rubber-wheel traffic - 8-10 hours.
Immersion and chemical exposure:	3 days

Tensile Properties (ASTM D-638):

14 day	Tensile Strength	6,400 psi
	Elongation at Break	2.7 %

Abrasion (Taber Abrader):

7 day	Weight loss, 1,000 cycles (H-22 wheel, 1,000-gm weight)	0.61 gm

Abrasion Resistance (ASTM D-638):

14 day	Abrasion Coefficient	51 liters/mil

Adhesion (ASTM 3359):

1 day	Adhesion Classification	4A

Water Absorption (ASTM D-570):

7 day	Total Water Absorption (2-hour boil)	0.9%

Chemical Resistance:

Specimen: Two coats- 10 mils
Cured 10 days
Substrate: asbestos cement

CHEMICAL	TEST TEMP.	STORAGE TIME AND EVALUATION				
		1 Day	1 Month	2 Months	6 Months	12 Months
Water	75F 100F 140F	A A A	A A A	A A A	A A A,D	A A A,D
Sodium Chloride Solution (Saturated)	75F 100F	A A	A A	A A	A A	A A
Sodium Hydroxide 30%	75F	A	A	A	A	A
Cement Water (Saturated)	75F	A	A	A	A	A
Detergent Solution (5% Ajax)	75F 140F	A A	A A	A A	A A,D	A A,D
Hydrochloric Acid 10%	75F	A	A	A	A	A
Sulfuric Acid 10%	75F	A	A	A	B	B
Oxalic Acid 10%	75F	A	A,D	A,D	A,D	A,D
Citric Acid 10%	75F	A	A,D	A,D	A,D	A,D
Fuel Oil (Home Heating)	75F	A	A	A	A	A,D
Gasoline (Unleaded)	75F	A	A	A	A	A,D
Iso-Octane	75F	A	A	A	A	A,D
Toluol	75F	A	A	A	A	A,D
Silage	75F	A	A	A,D	A,D	B,D
Synthetic Silage	75F	A	A	B,D	B,D	B,D
Liquid Manure	75F	A	A	A	A	A,D
Ethyl Alcohol	75F	A	C	—	—	—

A: Resistant in permanent contact
B: Temporary resistance
C: Destroyed
D: Discolored

How To Use

Surface Preparation:

Surface must be clean and sound. It may be dry or damp, but free of standing water. Remove dust, laitance, grease, curing compounds, impregnations, waxes, foreign particles and disintegrated materials.

Preparation Work: Concrete - Sandblast or use other approved mechanical means.
Steel - Sandblast to white-metal finish.

Mixing:

Pre-mix each component. Proportion equal parts by volume of Component 'A' and Component 'B' into a clean mixing container. Mix with a low-speed (400- 600-rpm) drill and Sika paddle for 3 minutes, until uniform in color.
Mix only that quantity that can be used within its application life.

Application:

Apply the coating using high-quality rollers or brushes, or spray. Two coats are recommended. The second coat can be applied as soon as the first coat is tack-free and the traffic of application will not damage the first coat. The second coat, however, **must** be applied within 48 hours, since a longer delay will require additional surface preparation.
For slip-resistance, add approximately ½ lb/gal of Sikagard 62 Granules to the mixed material and apply as the first coat. Saturate roller or brush with the material and apply first to a disposable cardboard or other surface to distribute the granules evenly on the equipment.
Do not spray with Sikagard 62 Granules in the coating. When spraying, use the following or similar equipment: Binks Model #18 Air Atomized Spray Gun (#68 fluid nozzle, #68 PB air nozzle, #68 fluid needle, #83-5661, 2-gal pressure fluid tank).
For Sikagard 62 Flooring System information, consult the Technical Data Sheet or call Technical Service.

Limitations:

- Minimum substrate temperature for application 50F.
- Do not apply over wet, glistening surface.
- Material is a vapor barrier after cure.
- Do not apply to surfaces where vapor can condense and freeze.
- Do not encapsulate saturated concrete in areas of freezing and thawing.
- Do not apply to porous surfaces exhibiting moisture-vapor transmission during application. Consult Technical Service.
- Minimum age of concrete prior to application is 21-28 days, depending on curing and drying conditions.
- Do not apply to exterior substrate on-grade. . .epoxy resin coatings will weather and chalk upon exposure to sunlight.
- For spray applications only, thin with Sika Epoxy Thinner at 5% by volume. Thin only when required.

Caution:

Component 'A'-Irritant - Prolonged contact with skin may cause irritation. Avoid eye contact.
Component 'B'-Irritant - Contact with skin may cause severe burns. Avoid eye contact.
Product is a strong sensitizer. Use of safety goggles and chemical-resistant gloves recommended. Remove contaminated clothing. Avoid breathing vapors. Use adequate ventilation. Use of a NIOSH/MSA organic vapor respirator recommended.

First Aid:

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes; contact physician immediately. For respiratory problems, remove person to fresh air. Wash clothing before re-use.

Clean Up:

Collect with absorbent material, flush area with water. Dispose of in accordance with local disposal regulations. Uncured material can be removed with approved solvent. Cured material can only be removed mechanically.

KEEP CONTAINER TIGHTLY CLOSED — **KEEP OUT OF REACH OF CHILDREN**
NOT FOR INTERNAL CONSUMPTION — **FOR INDUSTRIAL USE ONLY**
CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

'SIKA WARRANTS ITS PRODUCTS TO BE FREE OF MANUFACTURING DEFECTS AND THAT THEY WILL MEET SIKA'S CURRENT PUBLISHED PHYSICAL PROPERTIES WHEN APPLIED IN ACCORDANCE WITH SIKA'S DIRECTIONS AND TESTED IN ACCORDANCE WITH ASTM AND SIKA STANDARDS. THERE ARE NO OTHER WARRANTIES BY SIKA OF ANY NATURE WHATSOEVER, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IN CONNECTION WITH THIS PRODUCT. SIKA CORPORATION SHALL NOT BE LIABLE FOR DAMAGES OF ANY SORT, INCLUDING REMOTE OR CONSEQUENTIAL DAMAGES, RESULTING FROM ANY CLAIMED BREACH OF ANY WARRANTY, WHETHER EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR FROM ANY OTHER CAUSE WHATSOEVER. SIKA SHALL ALSO NOT BE RESPONSIBLE FOR USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT HELD BY OTHERS.'

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Sika Corporation
products/systems/services...worldwide

Sikadur 51 NS/SL
Flexible Epoxy Jointing Compound

Convenient 1:2 ratio
Moisture-insensitive, flexible epoxy resin

Technical Data

Description:

Sikadur 51 is a 2-component, solvent-free moisture-insensitive epoxy resin system available in 2 consistencies — NS (non-sagging) and SL (self-leveling).

It has been developed specifically for use as a flexible adhesive and jointing compound. Cures to form a tough, but resilient, material for patching and sealing.

Where To Use:

To fill horizontal, vertical, and overhead cracks and non-moving construction or control joints.

Advantages:

Two consistencies
Moisture-insensitive
Pre-batched for easy mixing
Easy to apply
Excellent adhesion
Permanent flexibility
No priming
Resists wheels and heavy loads
Shock-absorbent
Allows for stress relaxation
Excellent wetting properties
Multi-purpose use
Reinforces concrete joints

Coverage:

One gal will yield 231 cu in. One gallon will fill 51 ft of joint ¼ in. wide × 1½ in. deep.

Packaging:

3-gal units and 12-fl-oz units, 12/carton.

Typical Properties of Sikadur 51 @ 73F 50% RH:

Ratio:	1 part by volume Component 'B' to 2 parts by volume 'A'
Color:	Component 'A' is white; 'B' is gray; mixed material is a concrete gray.
Shelf life:	2 years in original container
Storage Conditions:	Store in cool, dry area. For best results, precondition each component to between 65 and 85F before using.

Application life:		**Sikadur 51 NS**	**Sikadur 51 SL**
Ambient Temp.	**40F**	2½ hr	3 hr
	73F	2¼ hr	2 hr
	90F	1½ hr	1½ hr
Consistency:		Non-Sagging	Self-Leveling
Tensile strength ASTM D-638 Type IV 14 days		600 psi	550 psi
Tensile stress at % elongation ASTM D-638 Type IV, 14 days	**10%**	60 psi	100 psi
	25%	240 psi	230 psi
	50%	480 psi	430 psi
Elongation at break, ASTM D-638 Type IV, 14 days		100%	100%
Modulus of elasticity, ASTM D-638 Type IV, 14 days		1.3×10^3	8.9×10^2
Tensile set at % elongation, ASTM D-638 Type IV, 14 days	**10%**	0 psi	0 psi
	25%	0 psi	0 psi
Tensile set after break ASTM D-638 Type IV, 14 days		<1%	<1%
Tear resistance ASTM D-624 (Die C), 14 days		110 lb/in.	110 lb/in.
Shear strength ASTM D-732, 14 days		800 psi	700 psi

Hardness, shore A **ASTM D-2240, 28 days**	75-80	75-80
Bond strength **ASTM C-882**		
2 days (dry cure)	800 psi	700 psi
14 days (moist cure)	450 psi	400 psi
Tack-free time **ASTM C-679**		
Ambient Temp. 40F	40-48 hr	40-48 hr
73F	7-8 hr	8-9 hr
90F	4½-5 hr	5-5½ hr

HOW TO USE

Surface Preparation: Concrete must be clean and sound. Cracks may be dry or saturated surface dry. Remove laitance, grease, curing compounds, impregnations, waxes, and foreign materials by mechanical means.

Proportioning/ Mixing: Stir both components prior to batching. Into a clean, dry pail add one volume of Component 'B' and two volumes of Component 'A' and mix with a low-speed drill for 3-5 minutes until a uniform gray color is achieved.

Application: *To fill vertical and overhead cracks and non-moving joints,* inject Sikadur 51 NS with standard caulking gun, pressure extruder, or other suitable methods maintaining steady pressure.

To fill horizontal cracks and non-moving joints, pour or inject Sikadur 51 SL with standard caulking gun, pressure extruder, or other suitable methods maintaining steady pressure.

Strike off surface to make level. For use as flexible adhesive or patching compound, allow material to cure fully before applying loads (3-7 days depending on temperature). Consult SikaService.

Clean Up: Clean equipment with Sika Equipment Cleaner, toluene, or other approved solvents.

Limitations:

- Do not thin Sikadur 51 NS/SL. Solvents may prevent proper cure.
- Substrate temperature should be 40F minimum and rising.
- For best results, materials should be maintained between 65F and 85F.
- Maximum relative humidity 95%.
- Do not apply through standing water.
- Minimum age of concrete 28 days.
- Materials are vapor barrier after cure.
- Concrete or masonry must be tested for water vapor transmission prior to application.
- Not designed for use under constant immersion.
- Do not use in expansion joints.

- For applications other than the sealing of control or construction joints, consult SikaService.
- For application in basically non-moving joints only.

Caution:

A COMPONENT — For Industrial Use Only! Warning! May cause skin sensitization or other allergic responses. Avoid inhalation of vapor. Use good ventilation particularly if material is heated or sprayed. Prevent all contact with skin or eyes. If contact with skin occurs, wash immediately with soap and water. In case of contact with eyes, flush immediately with water and contact a physician.

B COMPONENT — DANGER! CAUSES (SEVERE) BURNS. Contains alkaline amines: strong sensitizer. Do not get in eyes, on skin, on clothing. Avoid breathing vapor. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

First Aid:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician. Wash clothing before reuse. Discard contaminated shoes.

WEAR PROTECTIVE CLOTHING, GOGGLES, GLOVES, AND/OR BARRIER CREAMS.

THERE ARE NO WARRANTIES BY SIKA CORPORATION OF ANY NATURE WHATSOEVER, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IN CONNECTION WITH THIS PRODUCT. SIKA CORPORATION SHALL NOT BE LIABLE FOR DAMAGES OF ANY SORT, INCLUDING REMOTE OR CONSEQUENTIAL DAMAGES, RESULTING FROM ANY CLAIMED BREACH OF ANY WARRANTY WHETHER EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR FROM ANY OTHER CAUSE WHATSOEVER. SIKA SHALL ALSO NOT BE RESPONSIBLE FOR USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT HELD BY OTHERS.

Distribution

We put it all together for you... proven products, local Distributors, and a national network of Sika-approved Applicators to give you right-the-first-time repairs.

Construction Products Division

District Offices:

CA, Pasadena 213-792-5127	KY, Louisville 502-245-8951	NY, No. Syracuse 315-452-0998
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IL, Des Plaines 312-298-2810	NJ, Hackensack 201-933-8800	WI, Milwaukee 414-272-3100

Executive Office: P.O. 297, Lyndhurst, NJ 07071 • Tel. 201-933-8800 • TWX 710-989-0288

Drawer 32. Sika is a registered trademark. Printed in USA, March '84.

Sika Corporation

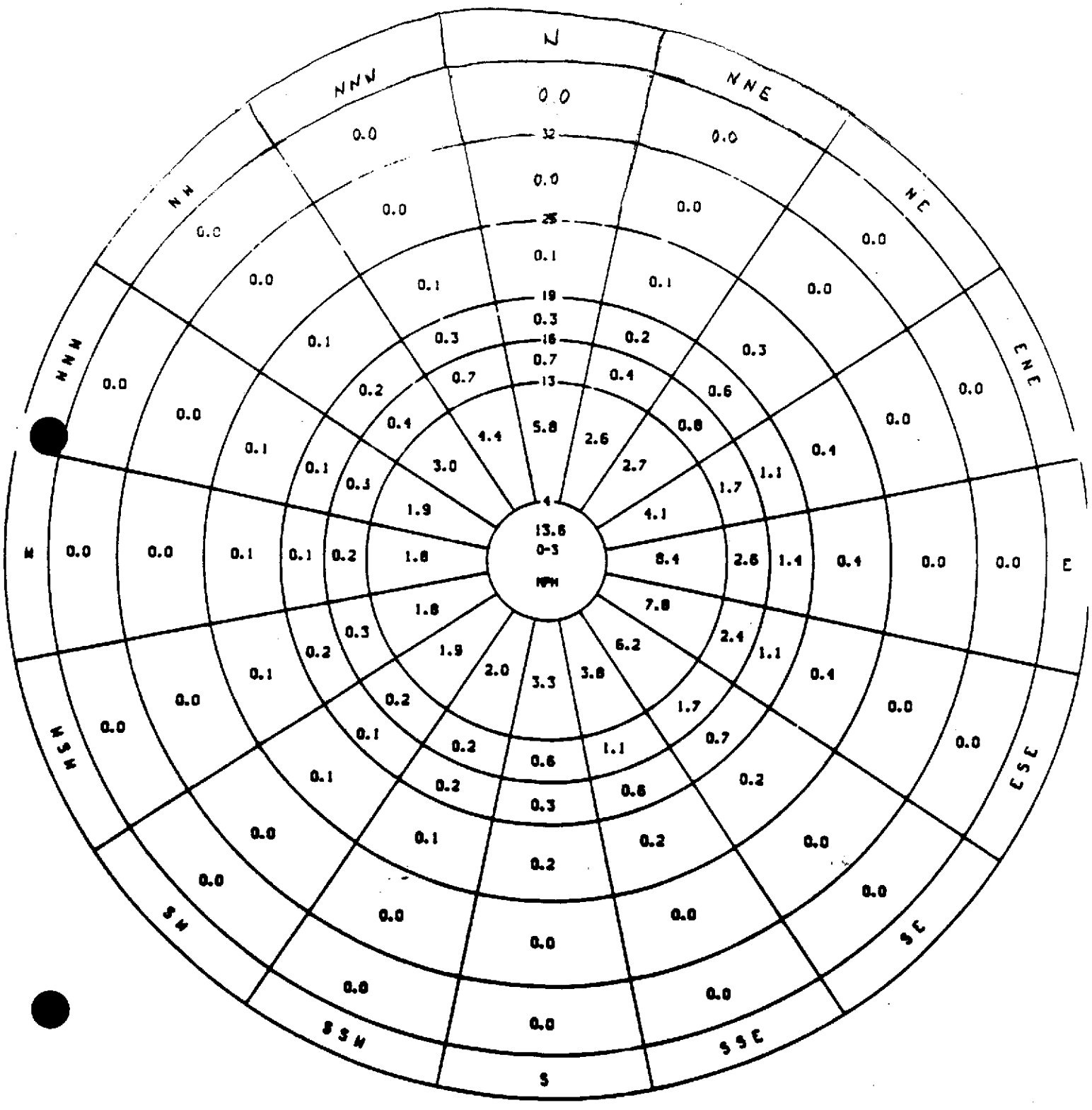
products/systems/services...worldwide

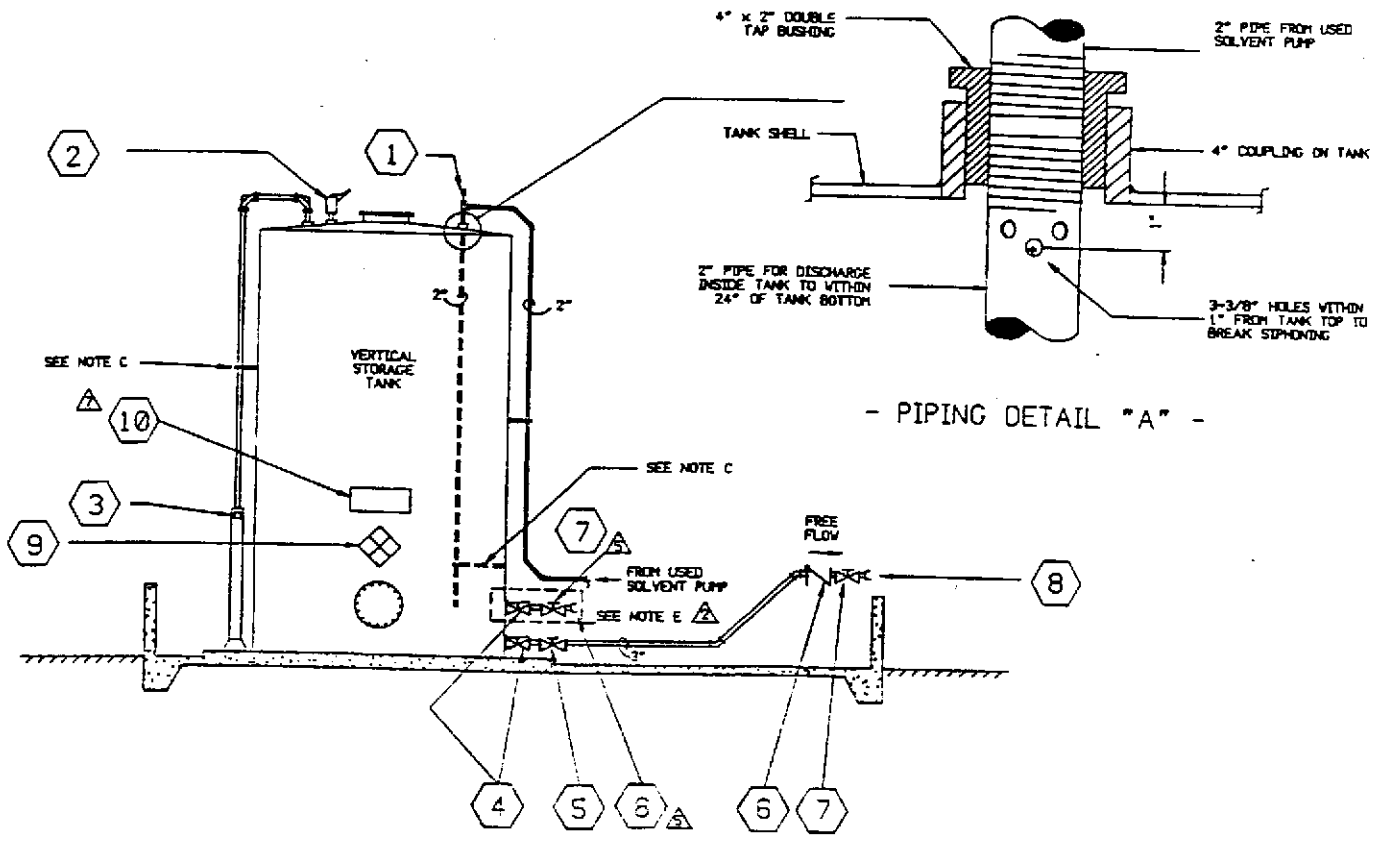
Exhibit I.B.3-4
Wind Rose

MIAMI, FLORIDA

CEILING-VISIBILITY

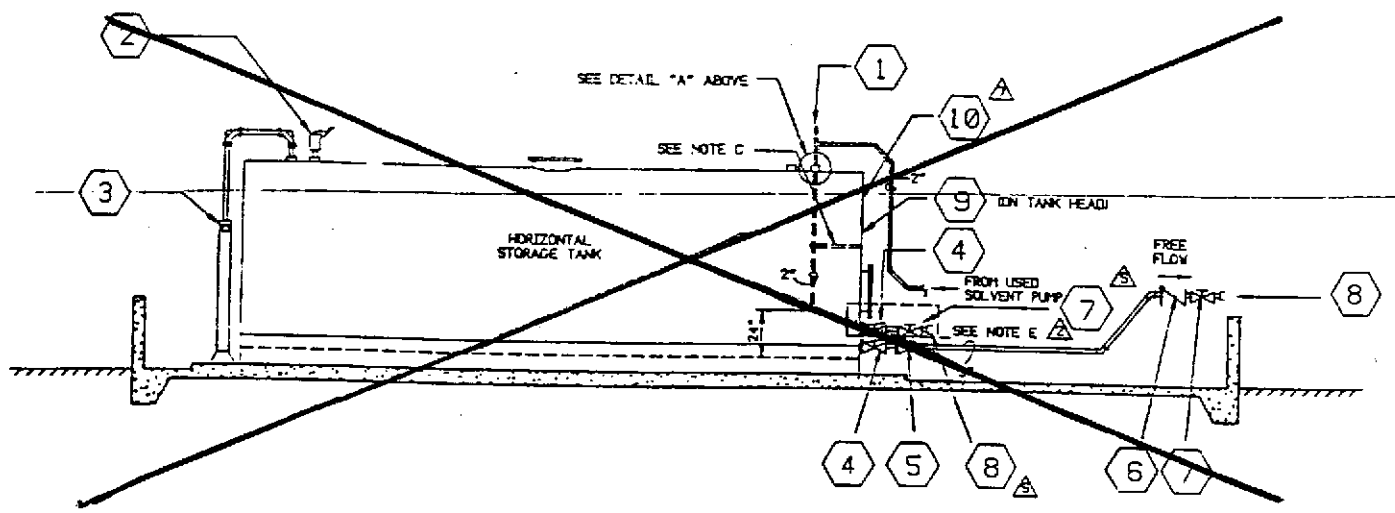
WIND GRAPH





- PIPING DETAIL "A" -

VERTICAL INSTALLATION



- HORIZONTAL INSTALLATION -

⚠ NOTE: WHEN HORIZONTAL TANKS ARE USED A 3" NIPPLE IS REQUIRED BETWEEN THE INTERNAL EMERGENCY & GATE VALVE

- EQUIPMENT/FIXTURE SCHEDULE -

MARK	SIZE	DESCRIPTION	SK PART #	REMARKS
1	3/8"	3/8" AUTOMATIC VACUUM BREAKERS MORRISON BROS. FIG. L34-A	5274	—
2	3"	3" SCREWED PRESSURE/VACUUM VENT MORRISON BROS. FIG. 548 OZ OZ. PRESSURE - 1 OZ. VACUUM	5339	—
3		TANK GAUGE - MOORMAN BROS. MODEL NO. 7-S	5277	SEE INSTALLATION DETAILS ON SAFETY-KLEEN DWG. A1#243
⬡				
4	3"	3" INTERNAL EMERGENCY VALVE MORRISON BROS. FIG. 272-HO w/212°F FUSIBLE LINK	5287	SEE INSTALLATION DETAILS ON SAFETY-KLEEN DWG. C11382 ⚠5
5	3"	3" DUCTILE IRON GATE VALVE w/ROUND FLANGED ENDS - MORRISON BROS. FIG. 234-DI	5276	SEE INSTALLATION DETAILS ON SAFETY-KLEEN DWG. C11382 ⚠5
6	3"	3" BRONZE CHECK VALVE - MORRISON BROS. FIG. 246-A	5286	—
7	3"	3" BRONZE GATE VALVE - MORRISON BROS. FIG. 235-B LOCKING TYPE	5285	—
8	3"	3" ALUMINUM CAMLOCK QUICK COUPLING - MORRISON BROS. MALE ADAPTOR PART F w/DUST CAP & CHAIN	5254	COUPLING TO BE INSTALLED SIX (6) INCHES ABOVE DIKE WALL
⚠4 9	—	NFPA MATERIAL IDENTIFICATION PLACARD	2452	DISPLAY IN PLAIN SIGHT ABOVE DIKE WALL
⚠ 10	—	"COMBUSTIBLE-KEEP FIRE AWAY" SIGN	81287	DISPLAY IN PLAIN SIGHT ABOVE DIKE WALL

- GENERAL NOTES -

(A) THIS DRAWING SUPERCEDES SAFETY-KLEEN CORP. DRAWINGS C18235 & C18236.

(B) SEE INDIVIDUAL SERVICE CENTER SITE PLANS FOR DIKE DIMENSIONS AND RELATED INFORMATION AND ALSO LOCATION AND ARRANGEMENT OF THESE PIPING DETAILS.

(C) ALL PIPING TO BE SCHEDULE 40 GALVANIZED AND BE SUPPORTED EVERY (8) RUNNING FEET - CONTRACTOR TO SUPPLY ALL BRACKETS, CLAMPS, ETC. AS REQUIRED FOR SUPPORTING PIPE - ALL EXPOSED THREADS AT JOINTS TO BE PAINTED WITH A RUST RESISTANT EXTERIOR GRADE PAINT. PIPING SUPPORT HARDWARE TO BE UNISTRUT BRAND OR APPROVED EQUIVALENT.

(D) ALL DIRECTION CHANGES IN DIRTY SOLVENT LINES TO BE MADE USING A COMBINATION OF 45° ELBOWS OR LONG SWEEP 90° ELBOWS.

⚠5 (E) THIS INSTALLATION TO BE MADE WHERE NEW TANKS ARE TO BE INSTALLED AT ANY LOCATIONS PRONE TO FREEZING. SEE INSTALLATION DETAILS ON SAFETY-KLEEN DWG. C11382.

⚠ (F) ALL ITEMS WITH SAFETY-KLEEN PART NO. REFERENCES WILL BE SUPPLIED TO CONTRACTOR.

EXHIBIT I.E. 3-9 8-24-95

	DESCRIPTION	BY	CHKD	APPD	DATE
⚠4	ADDED NOTE	C.S.			8/13/98
⚠3	CHANGED PART NO. 5277 TO 5338	C.S.K.			5/4/98
⚠2	ADDED "COMBUSTIBLE" SIGN	C.S.			1/27/98
⚠5	REV. GEN. NOTES NO. SYSTEM TO LETTERS	C.S.			3/26/97
⚠3	REMOVED 3" PLUG-ADDED VALVE/CAMLOCK	V.L.			3/28/95
⚠1	ADDED ITEM 9 TO SCHEDULE & DWG.	V.L.			11/5/94
⚠1	ADDED NOTE F	V.L.			10/25/94
⚠1	REVISED DETAIL IN NOTE E SHOWN ON 24".	V.L.			11/5/93
NO.	DESCRIPTION	BY	CHKD	APPD	DATE

REVISIONS

TITLE: USED SOLVENT STORAGE TANK INSTALLATION DETAILS

SAFETY-KLEEN CORP.
777 GEORGE TRUMBULL ROAD, ELGIN, ILLINOIS 60120 PHONE 708/697-8460

PROCESS APPR. | DRAWING CHECK APPR. | SCALE: NTS | TOLERANCE: ± .1 | DATE: 2-2-93

FOR BRANCH SERVICE CENTER | DRAWING NO. D11554 | REV. 5

SKETCH OF SURVEY

BOUNDARY SURVEY
SCALE: 1" = 30'

Set Pipe

N. 89°34'06"E 411.91'

Set Pipe

F.E.C. Rail Road R/W

S.50°-22'-27"E.

372.31'

Set Pipe

N.01°45'31"W.

299.75'

Vacant

4.5 Ac. ±

N.01°45'31"W.

93.36'

Set Pipe

N 89°33'15"W. 409'

Set Pipes

Under Construction

PROP. RD.

30.00'

Set Pipe

N. 89°33'50"E. 655.9'

BM = 10.07'

Elevations are referred to NGV Datum based upon Dade County Bench Mark No. N-519 located at N.W. 103 Street Extension and U.S. Highway No. 27, Elevation 10.07 feet.

Bearings are based on the State Plane Coordinate System Florida East Zone.

SAFETY-KLEEN'S PROPOSED SERVICE CENTER IN MEDLEY, FLORIDA

FILE

Florida Department of Environmental Regulation

Southeast District ● 1900 S. Congress Ave., Suite A ● West Palm Beach, Florida 33406 ● 407-964-9668

Bob Martinez, Governor Dale Twachtmann, Secretary John Shearer, Assistant Secretary
Scott Benyon, Deputy Assistant Secretary

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

MAR 2 6 1990

WARNING NOTICE
#WN90-0018-HW13SED
HW - Dade County

Mr. Bob Omiecinski
Environmental Permit Writer
Safety-Kleen Corporation
777 Big Timber Road
Elgin, IL 60123

RE: Safety-Kleen Corporation/Medley
Construction Permit Application #HC 13-175466
Dade County
First Notice of Deficiencies
Class II Hazardous Waste Violations

Dear Mr. Omiecinski:

Your application for a hazardous waste permit has been reviewed and found to be incomplete. The required information and amendments necessary to complete your application are listed in the attached Notice of Deficiencies.

When a permit application is incomplete, all processing of the application is suspended. You are hereby advised to provide us with the requested additional information pursuant to Florida Administrative Code (F.A.C.) Rule 17-730.220 and Chapter 403.0876 Florida Statutes (F.S.)

The deficiencies noted in the enclosed Notice of Deficiencies constitute a violation of Department Rules. Failure to correct the deficiencies within thirty (30) days could subject you to a formal enforcement action including monetary penalties. If you cannot submit this information within thirty (30) days, you must provide a schedule with dates when this information will be submitted. If a complete response to each item is not submitted within the time frame given above, the Department will issue a Notice of Violation, begin the formal process to deny the permit pursuant to Section 120.60, F.S., or take other appropriate actions.

You are encouraged to contact this office to discuss the deficiencies noted by the application review. This exchange of ideas will assist you in developing a complete and adequate response. If you would like to arrange a meeting or if you have any questions, please contact Knox McKee at (407) 964-9668.

Sincerely,

J. Scott Benyon
Deputy Assistant Secretary

JSB:km:rh/12

cc: James Scarbrough/EPA Region IV, Florida RCRA Activities, Atlanta
Satish Kastury, DER/Tallahassee (w/attachment)
Hazardous Waste Enforcement, DER/WPB

FILE

a) Engineering analysis to indicate the various hydrodynamic and hydrostatic forces expected to result at the site as a consequence of a 100-year flood.

b) Structural or other engineering studies showing the design of operational units (i.e., tanks, incinerators) and flood protection devices (i.e., floodwalls, dikes) at the facility and how these will prevent washout.

c) If applicable, and in lieu of (a) and (b) above, a detailed description of procedures to be followed to remove hazardous waste to safety before the facility is flooded, including:

(1) Timing of such movement relative to flood levels, including the estimated time to move the waste to show that such movement can be completed before floodwaters reach the facility;

(2) A description of the locations(s) to which the waste will be moved and a demonstration that those facilities will be eligible to receive hazardous waste in accordance with the regulations under 40 CFR Parts 264 and 265;

(3) The planned procedures, equipment, and personnel to be used and the means to ensure that such resources will be available in time for use; and

(4) The potential for accidental discharges of the waste during movement.

8. 4.b The contingency plan which has been submitted states, "If the emergency coordinator determines that the facility has had a release...that could threaten human health or the environment outside the facility..." (I.E. 2-6), should be modified to state, "inside and outside the facility".

9. 4.b The contingency plan, "Spill Control Procedures", (I.E. 2-14) must establish the provision for submitting reports of emergency incidents within (15) fifteen days of occurrence. A statement clarifying this timeframe requirement must be incorporated in the language.

10. 4.b The contingency plan, "Procedures For Recordkeeping", (I.D. 6), must be expanded to include annual reports, land band notification/certification forms, waste minimization statement and transporter liability certification.

<u>17-730.900(2) Part II.B. Containers</u>

11. 1.b.1 Provide manufacturer's specifications which support that the containment area coating (Sikagard 62 or Concresive 1305) material is compatible with all solvents with which it may contact. (Exhibit I.E. 3-10).

12. 1.b.1 Provide manufacturer's specifications which support that the sump liner (SK Part No. 5280) is compatible with all solvents with which it may contact. (Exhibit I.E. 3-10).

13. 6. The conceptual closure information provided appears adequate. When an actual Closure Permit Application is submitted for review the Department will require a more detailed closure plan.

FILE

26. 12. Provisions must be made to contain and properly dispose all rinsate from tank interiors. (Pg. I.F. 1-5, 3a (3)).

27. 12. The final rinsate must be analyzed for mineral spirits, volatile organic compounds and metals associated with the waste stored in the tanks. (Pg. I.F. 1-5, 3c (8)).

28. 12. Provisions must be made to disconnect and decontaminate all appurtenant piping and pumping equipment, analyzing the final rinsate for mineral spirits, volatile organic compounds and metals associated with the waste stored in the tanks. (Pg. I.F. 1-5, 3d (1&2)).

29. 12. Testing for metals should be added to the soil sample analysis (Pg. I.F. 1-5, 3.d.(4)).

30. 12. Include language which states that if it is not possible to eliminate contamination the tank farm area must be closed as a landfill (40 CFR 264.197(b)). (Pg. I.F. 1-5, 3d (5)).

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee
To: Location:
To: Location:
To: Location:
From: Date:

RECEIVED
FEB 15 1990
Dept. of Environmental Reg.
West Palm Beach

Interoffice Memorandum

TO: Knox McKee - Engineer/Southeast District

THROUGH: Bob Kukleski, Engineer/Southeast District
Satish Kastury, Administrator, Hazardous Waste Regulation

FROM: Bill Neimes, Professional Engineer
Hazardous Waste Regulation

DATE: February 8, 1990

SUBJECT: Safety Kleen - Medley; HC13-175466; Comments on Construction permit application

I have done a cursory review of this application and have generated some comments. These include:

1) Page 1 of 5 of EPA form 3510-3 (Hazardous Waste Permit Application) - The facility has included the container storage capacity of 6,912 gallons and the tank storage capacity of 20,000 gallons (one hazardous waste storage tank). Omitted from this form are the three (3) wet dumpsters with total storage capacity of 1,125 gallons.

(2) Section I.B - In reviewing the flood insurance rate map, the facility is located in a 100 year flood zone; therefore, the facility must comply with section II.A.3 of the permit application (pages 11 and 12 of 27). I talked with the National Flood Insurance Program at 800-638-6620 and the zone that this facility will be locating is Zone AH. They explained that Zone AH has a determined base flood elevation (i.e., in this case six (6) feet). If the ground floor of the facility is elevated above the determined base flood elevation, then the facility may obtain a reduction in flood insurance. The facility must still comply with section II.A.3 of the permit application.

(3) Exhibit I.E.3-6 - Please have the facility explain the formula for calculating the tank displacement volume. In the equation there are six (6) right-sided parenthesis and only five (5) left-sided parenthesis. Also, the formula indicates a total of five (5) tanks where six (6) tanks are shown on the drawing.

(4) Exhibit I.E.3-6 - Please have the facility explain the calculations for rainfall allowance.

(5) The RCRA section should ask the southeast district air permitting section for comments/permit requirements for this storage facility. Since this is a minor source of air emissions (less than 100 tons/year), the air permitting review will be by the district.

(6) The RCRA section should ask the southeast district stormwater permitting section for comments/permit conditions for this storage facility.

(7) The elevation on exhibit II-1 and exhibit I.B.3-6 indicate 2' 7 1/2". This does not coincide with the elevations found on the flood plain map. Please indicate the proper elevations on the drawings.

If you have any questions on these comments, please call me at Suncom 278-0300.

WN/mh

cc: Barry Swihart

Florida Department of Environmental Regulation

Central District ● 3319 Maguire Boulevard, Suite 232 ● Orlando, Florida 32803-3767 ● 407-894-7555

Bob Martinez, Governor Dale Twachtmann, Secretary John Shearer, Assistant Secretary
Alex Alexander, Deputy Assistant Secretary

February 12, 1990

Certified
P 299 901 166

Harold Farchmin
Graef, Anhalt, Schloemer
and Associates, Inc.
345 North 95th Street
Milwaukee, Wisconsin 53226

RECEIVED
FEB 16 1990
HAZARDOUS WASTE
PERMITTING

OCD-HW-90-0036

Seminole County - HW
Safety Kleen /# 3-130-01, Sanford
Construction Permit Application,#171980

Dear Mr. Farchmin:

In review of the above application submitted on 10/31/89 and it's addendum on 12/14/89, comments are as follows:

1. The St. Johns River FDER has been changed to the Central District FDER since 1986 (reference pages IE 2-6, IE 2-11 and IE 2-12).

2. When submittals require multiple copies, each must stand on its own for multi-agency/department review. This requires all plan sheets and photocopies to be legible. Even the original copy requires reference to large scale plans for clarification. Provision of clear legible copies facilitates review.

   Please go over the submitted application and replace all the illegible exhibits, drawings and data. All revised pages must be submitted in one original and 5 copies. We will replace previous pages with the new revised page.

   Since a number of plan sheets needed for review and documentation were not included, it might be advisable to provide drawings as separate sets, noted in the index, rather than folded and included as exhibits. The storm water control plans, stapled in a set, were much better for review purposes.

   Additionally, please address the following discrepancies in the exhibit drawings:

   Please replace drawing D13504 to provide same orientation as other site drawings.

- Verify the discrepancies between the original submittal and the storm water control and treatment plan. including:

  1. Location of proposed and future tank farms.

  2. Location of fence at northeast corner of property near retention area.

- Exhibit I.E. 3-6 (6-Pack Tankfarm for 105, 140 & Waste Oil Tanks)

  1. Verify that section C-1, located on the north side of containment area adjacent to oil recovery tank is correct. Should this section be noted as C-3?

  2. Drawing D13479 (tank access containment) referenced on the plan is not included in the application.

  3. Section C-1 notes "horizontal bars shall continue into grade beam." This reference should be to vertical reinforcing bars.

- Exhibit I.E. 3-9 (Used Solvent Storage Tank Installation Details)

  1. This exhibit is a generic drawing with no indication of installation to be used in this project. From plan views, it is assumed to be a vertical installation.

- Exhibit I.E. 4-3 (Schematic Sprinkler Plan)

  1. Incorporate facility features into this plan.

- Exhibit E.X. II-1 (Warehouse & Return/fill Area Plan)

  1. This appears to be a generic drawing (8 of ?) with no indication it applies to proposed Sanford location. Sheets 6, 7, 16 and 17, containing sections referenced on this sheet are not included with the application.

3. We understand that Scott Eaton has left the company. If this is the case, who has replaced Scott Eaton?

4. Provide an operator's name and address that will be at the Sanford site.

5. The Engineer of Record, Harold Farchmin, must seal the submitted application.

6. Is the well located within a one-mile radius of the facility a drinking well ?

7. If yes, provide the distance of the well to the facility, and well information e.g. surficial, Floridan, depth, diameter etc.

8. Has an environmental assessment been conducted at this facility ? If yes, please provide information e.g. records, samples etc.

9. Shouldn't used immersion cleaner solvent be listed as F002/F004/D006/D007/D008 (reference page ID2-6).

10. Testing parameters in Exhibit I.D.4-1[c] for used immersion cleaner should include cadmium, chromium, and lead.

11. Describe a procedure of transferring dumpster sediment from wet dumpster into containers.

12. Daily inspection of tank farm should include the following:

    - Physically inspect viewports installed in tank skirts for leakage.

    - Inspect concrete surfaces for any cracks or evidence of damage as well as evidenced of releases (reference page I.E. 5-2).

13. What provision has been made to prevent a release or miscellaneous spillage during loading/unloading in the tanker containment pad from reaching the retention pond through the sump (section A-1) ?

14. How will storm water be managed within tank farm diked area? We suggest that accumulated storm water in this area and also the tanker containment be tested prior to discharge.

15. Wash water from container storage area might be considered a hazardous waste. How do you plan to dispose of the wash water ?

16. Contingency Plan should provide additional information regarding numbers, sizes and types of fire extinguishers: amounts, types and capabilities/suitability of absorbents; minimum number and sizes of over pack and spare empty drums kept on-site.

17. Closure plan should include provision for cleaning and/or removal of concrete slab underneath tank. The cost estimate should reflect this activity.

18. What are the testing parameters of closure wash water at container storage area to be considered hazardous ? (reference page IF 1-3).

19. Soil samples should be included in container storage closure plan because the facility must prove a clean closure. Sampling locations will be determined at the time of closure.

20. Three and six soil samples should be deleted and replace them with soil samples. Number of samples will be determined at the time of closure (reference pages IF 1-4 and IF 1-12).

21. Locations of the soil samples taken during closure should include loading/unloading areas but not limited to only beneath wet dumpster and tanks (reference pages IF 1-4 and IF 1-12).

22. There is a typo on page IF 1-15. Phase I tank closure cost, truck driver labor should be $ 421.44 instead of $ 21.44.

23. Develop testing parameters of wash water from closure of tank containment area.

24. Provide a statement that used mineral spirits tank will meet 40 CFR 264.192, Tank Design and Installation Criteria and 40 CFR 264.193(b), Tank Secondary Containment Requirements.

Should you have any questions, please contact Mrs. Laxsamee Levin at 407-894-7555.

Sincerely,

Robert T. Snyder, P.E.
Section Manager
Hazardous Waste Section

LAX.
RS/ll

cc:
Rob Omnizinski, Safety Kleen
Gary Burgess, Safety Kleen
Kent Williams, EPA Region IV
Bill Neimes, FDER Tallahassee

FACILITY SAFETY-KLEEN CORPORATION / MEDLEY
I.D. NUMBER (APPLIED FOR)
PATS NUMBER HC 13-175466
TYPE OF APPLICATION CONSTRUCTION
DATE 2/22/90
REVIEWER KNOX McCEE

SUBMITTALS	REF. NO	DATE	REVIEWER
ORIGINAL APPLICATION	1		
	2		
	3		

REF. NO	PAGE	17-30.401(2) Part I §270.13	COMP.	INCOMP.	COMMENTS
PART I		A. GENERAL INFORMATION A-1 TYPE OF FACILITY §270.13(a)	X		
		A-2 TYPE OF APPLICATION	X		
		A-3 DATE OPERATION BEGAN §270.13(g)	X		
		A-4 FACILITY NAME §270.13(b)	X		
		A-5 EPA/DER I.D. NUMBER		X	APPLIED FOR, PLEASE SUBMIT I.D. NUMBER AFTER PROCESSING IS COMPLETE.
		A-6 FACILITY LOCATION §270.13(b)	X		
		A-7 FACILITY MAILING ADDRESS §270.13(b)	X		
		A-8 FACILITY CONTACT NAME PHONE TITLE ADDRESS	X		
		A-9 OPERATOR'S NAME §270.13(d)	X		
		A-10 OPERATOR'S ADDRESS §270.13(d)	X		

FACILITY _____ FEDERAL I.D. NO. _____ PATS NO. _____

REF. NO	PAGE	17-30.401(2) Part I	COMP.	INCOMP.	COMMENTS
PART I		A-11 FACILITY OWNER'S NAME §270.13(e)	X		
		A-12 FACILITY OWNER'S ADDRESS §270.13(e)	X		
		A-13 LEGAL STRUCTURE A-14 COUNTY-STATE REGISTRATION	X		
		A-15 STATE OF INCORPORATION	X		
		A-16 PARTNERSHIP OWNERS NAMES ADDRESS	N/A		
		A-17 SITE OWNERSHIP STATUS LAND OWNER'S LAND OWNER'S ADDRESS	X		
		A-18 ENGINEER NAME REGISTRATION NUMBER ADDRESS ASSOCIATION	X		
		A-19 INDIAN LAND §270.13(f)	X		
		A-20 EXISTING ENVIRONMENTAL PERMITS §270.13(k)	X		
		B. SITE INFORMATION B-1 FACILITY LOCATION COUNTY §270.13(b) NEAREST COMMUNITY LATITUDE LONGITUDE	X		

FACILITY _____ FEDERAL I.D. NO. _____ PATS NO. _____ PAGE 3 OF 3

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		B-2 AREA OF FACILITY SITE	X		
		B-3 SCALE DRAWING AND PHOTOGRAPHS §270.13(h)	✓	X	PROVIDE PHOTOGRAPHS OF SITE. RECEIVED 5/1/90
		B-4 TOPOGRAPHIC MAP §270.13(1) MAP SCALE AND DATE 100- YEAR FLOODPLAIN AREA ORIENTATION OF THE MAP SURFACE WATER BODIES WITHIN 1/4 MILE OF THE FACILITY PROPERTY BOUNDARY SURROUNDING LAND USES LEGAL BOUNDARIES OF THE FACILITY INJECTION WELLS DRINKING WATER WELLS INTAKE AND DISCHARGE STRUCTURES			
		B-5 FLOOD PLAIN		X	FACILITY IS LOCATED IN A 100-YEAR FLOOD PLAIN. FACILITY MUST COMPLY WITH DER FORM 17-730.900(2), PART II A (3)(a)(b) and (c). PROVIDE A CLEAR COPY OF THE FLOOD INSURANCE RATE MAP (EXHIBIT I.B 5-1)
		C. LAND USE INFORMATION C-1 ZONING	X		
		C-2 ZONING CHANGES	X		
		C-3 PRESENT LAND	X		
		D OPERATING INFORMATION D-1 WASTE GENERATED ON SITE §270.13(c)	X		
I.D.2.a		D-2 DESCRIPTION OF OPERATION §§270.13(i) and (m)	X		
I.D.2.b and c		D-3 PROCESS CODE §270.13(j) DESIGN CAPACITY AND UNITS EPA HAZARDOUS WASTE NUMBER ANNUAL QUANTITY AND UNITS	X		PROVIDE AN ESTIMATE OF QUANTITY OF HAZARDOUS WASTE (40 CFR PART 261) TO BE [illegible] AT THE FACILITY. [illegible] ESTIMATE [illegible] EPA NUMBER AND [illegible] STREAM, [illegible] ANNUAL SALE OF THAT PLAN AND EVAPORATION [illegible] VOLUME OF WATER [illegible] PER ANNUM

FACILITY SAFETY-KLEEN CORPORATION / MEDLEY
I.D. NUMBER (APPLIED FOR)
PATS NUMBER HC13-175466
TYPE OF APPLICATION CONSTRUCTION
DATE 2/24/90
REVIEWER KNOX McKEE

SUBMITTALS	REF. NO	DATE	REVIEWER
ORIGINAL APPLICATION	1		
	2		
	3		

REF. NO	PAGE	17-30.401(2) Part II - A - GENERAL §270.14	COMP.	INCOMP.	COMMENTS
		1 A. TOPAGRAPHIC MAP 1" TO 200' §270.14(b)(19) MAP SCALE AND DATE 100 - YEAR FLOODPLAIN AREA ORIENTATION OF THE MAP ACCESS CONTROL INJECTION AND WITHDRAWAL WELLS BUILDING AND OTHER STRUCTURES CONTOURS LOADING AND UNLOADING AREAS DRAINAGE OR FLOOD CONTROL RUNOFF CONTROL SYSTEM LOCATION OF TSD AREAS PAST, PRESENT, FUTURE LOCATION OF SOLID WASTE MANAGEMENT UNITS		X X X X X	AREA OF 100-YEAR FLOODPLAIN, ORIENTATION OF THE MAP, CONTOURS, DRAINAGE OR FLOOD CONTROL AND RUNOFF CONTROL SYSTEM ARE NOT ADEQUATELY PERICTED AS PER 270.14(b)(19). PROVIDE SITE SPECIFIC SURFACE WATER MANAGEMENT PLAN.
EXHIBIT I.B.3-4		B. WIND POSE WIND SPEED DIRECTION LEGEND DATE		X	WIND ROSE SUBMITTED IS AN UNCLEAR COPY. THE WIND ROSE DOES NOT INCLUDE THE LEGEND OR DATE AS PER 17-730.900(2) PART II, A, 1.B.
EXHIBIT I.B.3-3a EXHIBIT I.B.3-5 I.D.5		C. TRAFFIC PATTERNS §270.14(b)(10) VOLUME PATTERN CONTROL ACCESS ROADS LOAD - BEARING CAPACITY ROAD SURFACES	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		2 FINANCIAL RESPONSIBILITY INFORMATION CALL TALLAHASSEE TO GET INFORMATION ON COMPLETENESS OF FINANCIAL.			
EXHIBIT I.B.5-1		3 FLOOD MAP §270.14(b)(11) DOCUMENTATION OF WHETHER OR NOT THE FACILITY IS LOCATED WITH A 100-YR FLOODPLAIN INCLUDING THE SOURCE OF DATA (FEDERAL INSURANCE ADMINISTRATION MAP OR OTHER MAPS AND CALCULATIONS). IF MAP OTHER THAN FIA MAP IS USED DEMONSTRATION OF EQUIVALENT MAPPING TECHNIQUE SHOULD BE PROVIDED. IF LOCATED IN 100-YR FLOODPLAIN INCLUDE: ° 100-YR FLOODPLAIN LEVEL ° OTHER SPECIAL FLOODING FACTORS (E.G., WAVE ACTION) THAT MUST BE CONSIDERED TO PREVENT WASHOUT.	X		
		DEMONSTRATION OF COMPLIANCE FOR FACILITIES LOCATED WITHIN THE 100-YR FLOODPLAIN, A DESCRIPTION OF HOW THE FACILITY IS DESIGNED, CONSTRUCTED, OPERATED, AND MAINTAINED TO PREVENT WASHOUT OF ANY HAZARDOUS WASTE DURING A FLOOD. EITHER OF THE FOLLOWING MAY BE USED:		X	FACILITY MUST COMPLY WITH DER FORM 17-730.900(2), PART II A (3)(a)(b)(c). EXHIBIT I.B.5-1 SHOWS THE SAFETY-KLEEN SERVICE CENTER LOCATED IN ZONE AH (EL<). ZONE AH IS A SPECIAL FLOOD HAZARD AREA (SFHA) SUBJECT TO INUNDATION BY THE 100-YEAR SHALLOW FLOODING (USUALLY AREAS OF PONDING) WHERE AVERAGE DEPTHS ARE BETWEEN (1) ONE AND (3) THREE FEET. BASE FLOOD ELEVATIONS DERIVED FROM DETAILED HYDRAULIC ANALYSES ARE SHOWN IN THIS ZONE.
		FLOOD PROOFING AND FLOOD PROTECTION A STRUCTURAL OR OTHER ENGINEERING STUDY SHOWING HOW DESIGN OF HAZARDOUS WASTE UNITS AND THE FLOOD PROOFING AND PROTECTION DEVICES AT THE FACILITY WILL PREVENT WASHOUT INCLUDING:		X	

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		° ENGINEERING ANALYSIS OF HYDRODYNAMIC AND HYDROSTATIC FORCES ° STRUCTURAL OR OTHER ENGINEERING STUDIES OF HAZARDOUS WASTE UNITS AND FLOOD PROTECTION DEVICES. FLOOD PLAIN DESCRIPTION OF THE PROCEDURES TO BE FOLLOWED TO REMOVE HAZARDOUS WASTE TO SAFETY BEFORE THE FACILITY IS FLOODED. THE PLAN MUST ADDRESS THE FOLLOWING: ° TIMING RELATED TO FLOOD LEVELS ° ESTIMATED TIME TO MOVE THE WASTE ° DESCRIPTION OF THE LOCATION TO WHICH THE WASTE WILL BE MOVED MOVED AND PROOF OF THE RECEIVING FACILITY'S ELIGIBILITY TO RECEIVE HAZARDOUS WASTE ° PROCEDURES, EQUIPMENT, AND PERSONNEL TO BE USED AND THE MEANS TO ENSURE THAT THESE RESOURCES WILL BE AVAILABLE ° POTENTIAL FOR ACCIDENTAL DISCHARGE OF THE WASTE.		X	
I.E.1		4 FACILITY SECURITY INFORMATION a) DESCRIPTION OF SECURITY §§264.14 and 270.14(b)(4) SECURITY PROCEDURES AND EQUIPMENT UNLESS A WAIVER IS GRANTED, THE FACILITY MUST DEMONSTRATE THE FOLLOWING: 24-HOUR SURVEILLANCE SYSTEM §264.14(b)(1) A 24-HOUR SURVEILLANCE SYSTEM THAT CONTINUOUSLY MONITORS AND CONTROLS ENTRY ONTO THE ACTIVE PORTION OF THE FACILITY (e.g., TELEVISION MONITORING OR SURVEILLANCE BY	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		GUARDS OR FACILITY PERSONNEL); OR BARRIER AND MEANS TO CONTROL ENTRY BARRIER §264.14(b)(2)(i) AN ARTIFICIAL OR NATURAL BARRIER THAT COMPLETELY SURROUNDS THE ACTIVE PORTION OF THE FACILITY; HEIGHT OF FENCE MATERIAL OF CONSTRUCTION AND MEANS TO CONTROL ENTRY §264.14(b)(2)(ii) A MEANS TO CONTROL ENTRY, AT ALL TIMES, THROUGH THE GATES OR OTHER ENTRANCES TO THE ACTIVE PORTION OF THE FACILITY (e.g., AN ATTENDANT, TELEVISION MONITORS, LOCKED ENTRANCE, OR CONTROLLED ROADWAY ACCESS TO THE FACILITY.)			
I.E.1		WARNING SIGNS §264.14(c) THE FACILITY MUST HAVE A SIGN WITH THE LEGEND "DANGER- UNAUTHORIZED PERSONNEL KEEP OUT", WHICH MUST BE POSTED AT EACH ENTRANCE TO THE ACTIVE PORTION OF THE FACILITY AND AT OTHER LOCATIONS, IN SUFFICIENT NUMBERS TO BE SEEN FROM ANY APPROACH TO THIS ACTIVE PORTION. THE LEGEND MUST BE LEGIBLE FROM A DISTANCE OF AT LEAST 25 FT. EXISTING SIGNS WITH A LEGEND OTHER THAN "DANGER- UNAUTHORIZED PERSONNEL KEEP OUT" MAY BE USED IF THE LEGEND ON THE SIGN INDICATES THAT ONLY AUTHORIZED PERSONNEL ARE ALLOWED TO ENTER THE ACTIVE			

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
↓		PORTION AND THAT ENTRY ONTO THE WAIVER ACTIVE PORTION CAN BE DANGEROUS.			
		IF A WAIVER OF THESE REQUIREMENTS IS REQUESTED, THE OWNER OR OPERATOR MUST DEMONSTRATE THE FOLLOWING: INJURY TO INTRUDER §264.14(a)(1) PHYSICAL CONTACT WITH THE WASTE, STRUCTURE, OR EQUIPMENT WITHIN THE ACTIVE PORTION OF THE FACILITY WILL NOT INJURE UNKNOWNING OR UNAUTHORIZED PERSONS OR LIVESTOCK THAT MAY ENTER THE ACTIVE PORTION OF A FACILITY AND VIOLATION CAUSED BY INTRUDER §264.14(a)(2) DISTURBANCE OF THE WASTE OR EQUIPMENT BY THE UNKNOWING OR UNAUTHKORIZED ENTRY OF PERSONS OR LIVESTOCK ONTO THE ACTIVE PORTION OF A FACILITY WILL NOT CAUSE A VIOLATION OF THE REQUIRMENTS OF §264.	N/A		
IE 2-C ↓		b) CONTINGENCY PLAN §§264 SUBPART D AND 270.14(b)(7) A COPY OF THE CONTINGENCY PLAN OR SPILL PREVENTION CONTROL AND COUNTER MEASURES (SPCC) PLAN AMENDED FOR HAZARDOUS WASTE MANAGEMENT TO DESCRIBE THE ACTIONS FACILITY PERSONNEL WILL TAKE IN RESPONSE TO FIRES, EXPLOSIONS, OR ANY UNPLANNED SUDDEN OR NONSUDDEN RELEASE OF HAZARDOUS WASTE OR HAZARDOUS WASTE		X	"IF THE EMERGENCY COORDINATOR DETERMINES THAT THE FACILITY HAS HAD A RELEASE, FIRE, OR EXPLOSION THAT COULD THREATEN HUMAN HEALTH OR THE ENVIRONMENT OUTSIDE THE FACILITY..." SHOULD BE MODIFIED

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		CONSTITUENTS TO AIR, SOIL, SURFACE WATER, OR GROUND WATER AT THE FACILITY.			
		GENERAL INFORMATION §§264.52 AND .53 FACILITY NAME AND LOCATION OWNER OR OPERATOR NAME SITE PLAN DESCRIPTION OF FACILITY OPERATIONS	X		
		EMERGENCY COORDINATORS §§264.52(d) AND .55 NAMES, ADDRESSES, OFFICE AND HOME PHONE NUMBERS, AND DUTIES OF PRIMARY AND ALTERNATE COORDINATES A STATEMENT AUTHORIZING DESIGNATED COORDINATORS TO COMMIT THE NECESARY RESOURCES TO IMPLEMENT THE CONTINGENCY PLAN	X		
		IMPLEMENTATION §§264.52(a) & 264.56(d) CRITERIA FOR IMPLEMENTATION OF CONTINGENCY PLAN FOR ANY POTENTIAL EMERGENCY.	X		
I.E.2-6		EMERGENCY RESPONSE PROCEDURES §§264.56(a)&(d) NOTIFICATION METHODOLOGY FOR IMMEDIATE NOTIFICATION OF FACILITY PERSONNEL AND NECESSARY STATE OR LOCAL AGENCIES.		X	"IF THE EMERGENCY COORDINATOR DETERMINES THAT THE FACILITY HAS HAD A RELEASE, FIRE, OR EXPLOSION THAT COULD THREATEN HUMAN HEALTH OR THE ENVIRONMENT OUTSIDE THE FACILITY, THE COORDINATOR MUST REPORT THOSE FINDINGS..." SHOULD NOT INCLUDE THE LIMITING QUALIFIER PHRASE "OUTSIDE THE FACILITY", ALL INCIDENTS THREATENING HUMAN HEALTH OR THE ENVIRONMENT INSIDE AND OUTSIDE THE FACILITY MUST BE REPORTED.
I.E.2-5		IDENTIFICATION OF HAZARDOUS MATERIALS §264.56(b) AVAILABLE DATA AND/ OR PROCEDURES FOR IDENTIFICATION OF HAZARDOUS MATERIALS INVOLVED IN THE EMERGENCY AND QUANTITY AND AREAL EXTENT OF RELEASE. INCLUDE INFORMATION ON: BIOLOGICAL, PHYSICAL, AND	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		CHEMICAL PROPERTIES OF THE WASTE EXACT SOURCE AMOUNT AREAL EXTENT OF RELEASE			
I.E.2-6		HAZARD ASSESSMENT §264.56(c) &(d) PROCEDURE FOR ASSESSMENT OF POSSIBLE HAZARDS TO THE ENVIRONMENT AND HUMAN HEALTH PROCEDURE FOR DETERMINING THE NEED FOR EVACUATION AND NOTIFICATION OF AUTHORITIES.	X		
I.E.2-11		CONTROL PROCEDURES §264.52(a) SPECIFIC RESPONSES AND CONTROL PROCEDURES TO BE TAKEN IN THE EVENT OF A FIRE, EXPLOSION, OR RELEASE OF HAZARDOUS WASTE TO AIR, LAND, OR WATER, INCLUDING PROCEDURES FOR RAPIDLY STOPPING WASTE FEED.	X		
I.E.2-7		PREVENTION OF RECURRENCE OR SPREAD OF FIRES, EXPLOSIONS, OR RELEASES § 264.56(e) DURING AN EMERGENCY SITUATION, A DESCRIPTION OF THE NECESSARY STEPS TO BE TAKEN TO ENSURE THAT FIRES, EXPLOSIONS, OR RELEASES DO NOT OCCUR, RECUR, OR SPREAD TO OTHER HAZARDOUS WASTE AT THE FACILITY. STEPS SHOULD INCLUDE: SHUT-DOWN OF PROCESSES AND	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		CONTINUED MONITORING OF THEM COLLECTING, CONTAINING AND TREATING RELEASED WASTED REMOVING AND ISOLATING CONTAINERS AND PROPER USE OF FIRE CONTROL STRUCTURES (e.g.FIRE DOORS),SYSTEMS(e.g. SPRINKLER SYSTEMS), AND EQUIPMENT (e.g. EXTINGUISHERS)			
I.E.2-12		STORAGE AND TREATMENT OF RELEASED MATERIAL §264.56(g) PROVISION FOR TREATMENT, STORAGE, OR DISPOSAL OF ANY HAZARDOUS WASTE RESULTING FROM A RELEASE, FIRE, OR EXPLOSION AT THE FACILITY EQUIPMENT AVAILABLE AND LOCATION PROCEDURES FOR DEPLOYMENT OF THESE RESOURCES METHODS TO CONTAIN,TREAT, AND CLEAN UP A HAZARDOUS RELEASE AND DECONTAMINATE THE AFFECTED AREA	X		
I.E.2-8		INCOMPATIBLE WASTE §264.56(h)(1) PROVISIONS FOR PREVENTION OF INCOMPATIBLE WASTE FROM BEING TREATED, STORED, OR LOCATED THE AFFECTED AREAS UNTIL CLEANUP PROCEDURES ARE COMPLETED.	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
I.E.2-8		POST-EMERGENCY EQUIPMENT MAINTENANCE §§264.56(h)(2) and (i) PROCEDURES FOR ENSURING THAT ALL EMERGENCY EQUIPMENT LISTED IN THE CONTINGENCY PLAN IS CLEANED AND FIT FOR ITS INTENDED USE BEFORE OPERATIONS ARE RESUMED.	X		
		SURFACE IMPOUNDMENTS SPILLS AND LEAKAGE	N/A		
I.E.3.C		EMERGENCY EQUIPMENT §264.52(e) LOCATION, DESCRIPTION, AND CAPABILITIES OF EMERGENCY EQUIPMENT. THIS SHOULD INCLUDE: SPILL CONTROL EQUIPMENT FIRE CONTROL EQUIPMENT PERSONNEL PROTECTIVE ITEMS SUCH AS RESPIRATORS AND PROTECTIVE CLOTHING FIRST AID AND MEDICAL SUPPLIES EMERGENCY DECONTAMINATION EQUIPMENT EMERGENCY COMMUNICATION AND ALARM SYSTEMS	X		
EXHIBIT I.E.2-1 AND IE2-16		COORDINATION AGREEMENTS §§264.37 & .52(c) A DESCRIPTION OF COORDINATION AGREEMENTS WITH LOCAL POLICE AND FIRE DEPARTMENTS, HOSPITALS, CONTRACTORS, AND STATE AND LOCAL EMERGENCY RESPONSE TEAMS TO FAMILIARIZE THEM WITH THE FACILITY AND ACTIONS NEEDED IN CASE OF EMERGENCY. A STATEMENT INDICATING THAT A COPY OF THE CONTINGENCY PLAN HAS BEEN	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		SUBMITTED TO THESE ORGANIZATIONS IF APPLICABLE, DOCUMENTATION OF REFUSAL TO ENTER INTO A COORDINATION AGREEMENT			
IE2-17		EVACUATION PLAN §264.52(f) THIS PLAN MUST INCLUDE: CRITERIA FOR EVACUTION A DESCRIPTION OF SIGNAL (S) TO BE USED TO BEGIN EVACUATION WITH PRIMARY AND ALTERNATE EVACUATION ROUTES, RALLY POINTS	X		
I.E.2-19		REQUIRED REPORTS §264.56(u) PROVISIONS FOR SUBMISSION OF REPORTS OF EMERGENCY INCIDENTS WITHIN 15 DAYS OF OCCURANCE NOTATION OF SUCH INCIDENTS IN THE OPERATING RECORD IDENTIFYING THE TIME, DATE, AND DETAILS OF THESE EMERGENCY INCIDENTS		X	THE SECTION "SPILL CONTROL PROCEDURES" INCLUDES PROVISIONS FOR SUBMISSION OF REPORTS BUT DOES NOT ESTABLISH THE TIMEFRAME OF "WITHIN 15 DAYS OF OCCURANCE." A CLAUSE ESTABLISHING THIS CHRONOLOGICAL TIMEFRAME SHOULD BE INCORPORATED.
I.E.3.b I.E.3.d-e		C) DESCRIPTION OF PROCEDURES, STRUCTURES, OR EQUIPMENT §270.14(b)(8) A DESCRIPTION OF PROCEDURES, STRUCTURES OR EQUIPMENT USED AT THE FACILITY FOR THE FOLLOWING: PREVENTION OF HAZARDS IN UNLOADING OPERATIONS (e.g. USE OF RAMPS OR SPECIAL FORKLIFTS) PREVENTION OF RUNOFF FROM HAZARDOUS WASTE HANDLING AREAS TO OTHER AREAS OF THE FACILITY OR ENVIRONMENT, OR PREVENTION OF FLOODING (e.g., BERMS, DIKES, TRENCHES) PREVENTION OF CONTAMINATION OF	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		WATER SUPPLIES MITIGATION OF EFFECTS OF EQUIPMENT FAILURE AND POWER OUTAGES PREVENTION OF UNDUE EXPOSURE OF PERSONNEL TO HAZARDOUS WASTE (e.g., PROTECTIVE CLOTHING)			
E.3.€.		PRECAUTIONS TO PREVENT OR IGNITION OR REACTION OF IGNITABLE FOR REACTIVE WASTE §264.17(a) A DESCRIPTION OF THE PRECAUTIONS TAKEN BY A FACILITY THAT HANDLES IGNITABLE, REACTIVE WASTE TO PREVENT ACTUAL IGNITION, INCLUDING SEPARATION FROM SOURCES OF IGNITION SUCH AS OPEN FLAMES SMOKING, FRICTIONAL HEAT, SPARKS (STATIC, ELECTRICAL OR MECHANICAL), SPONTANEOUS IGNITION (e.g., HEAT PRODUCING CHEMICAL REACTIONS), AND RADIANT HEAT. DEMONSTRATION THAT WHEN IGNITABLE OR REACTIVE WASTE IS BEING HANDLED, THE OWNER OR OPERATOR CONFINES SMOKING AND OPEN FLAMES TO SPECIALLY DESIGNATED LOCATIONS LOCATIONS. "NO SMOKING" SIGNS MUST BE CONSPICUOUSLY PLACED WHEREVER A HAZARD EXISTS FROM IGNITABLE OR REACTIVE WASTE.	X		
		GENERAL PRECAUTIONS FOR HANDLING IGNITABLE OR REACTIVE WASTE AND MIXING OF INCOMPATIBLE WASTE §264.17(b) A DESCRIPTION OF THE PRECAUTIONS TAKEN BY A FACILITY THAT TREATS, STORES, OR DISPOSES OF IGNITABLE OR REACTIVE WASTE AND OTHER MATERIALS,	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		TO PREVENT REACTIONS WHICH: (1) GENERATE EXTREME HEAT OR PRESSURE, FIRE OR EXPLOSIONS OR VIOLENT REACTIONS; (2) PRODUCE UNCONTROLLED FLAMMABLE FUMES, DUSTS, OR GASES IN SUFFICIENT QUANTITIES TO THREATEN HUMAN HEALTH OR THE ENVIRONMENT; (3) PRODUCE UNCONTROLLED FLAMMABLE FUMES OR GASES IN SUFFICIENT QUANTITIES TO POSE A RISK OF FIRE OR EXPLOSIONS; (4) DAMAGE THE STRUCTURAL INTEGRITY OF THE DEVICE OR FACILITY; OR (5) BY SIMILAR MEANS THREATEN HUMAN HEALTH OR THE ENVIRONMENT.			
IE4-5		D) PREPAREDNESS AND PREVENTION PROCEDURES EQUIPMENT REQUIREMENTS §§264.32 & 270.14(b)(6) DEMONSTRATE THAT NONE OF THE HAZARDS POSED BY WASTE HANDLED AT THE FACILITY COULD REQUIRE A PARTICULAR KIND OF EQUIPMENT SPECIFIED BELOW. OR THE FACILITY MUST HAVE THE FOLLOWING EQUIPMENT:			
		INTERNAL COMMUNICATIONS §264.32(a) AN INTERNAL COMMUNICATION OR ALARM SYSTEM CAPABLE OF PROVIDING IMMEDIATE EMERGENCY INSTRUCTION TO FACILITY PERSONNEL.			
		EXTERNAL COMMUNICATIONS §264.32(b)			

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		A DEVICE SUCH AS A TELEPHONE OR A HANDHELD TWO-WAY RADIO, FOR SUMMONING EMERGENCY ASSISTANCE FROM LOCAL POLICE DEPARTMENT OR STATE OR LOCAL EMERGENCY RESPONSE TEAMS.			
I.E.4-2 AND I.E.4-3		EMERGENCY EQUIPMENT §264.32(c) FIRE CONTROL EQUIPMENT (INCLUDING) SPECIAL EXTINGUISHING EQUIPMENT, SUCH AS THAT USING FOAM, INERT GAS, OR DRY CHEMICALS AND PORTABLE FIRE EXTINGUISHERS SPILL CONTROL EQUIPMENT DECONTAMINATION EQUIPMENT	X		
IE2-14		WATER FOR FIRE CONTROL §264.32(d) WATER AT ADEQUATE VOLUME AND PRESSUE TO SUPPLY WATER HOSE STREAMS, OR FOAM-PRODUCING EQUIPMENT, OR AUTOMATIC SPRINKLERS OR WATER SPRAY SYSTEMS	X		
IE2-15		AISLE SPACE REQUIREMENT §264.35 ADEQUATE AISLE SPACE AVAILABLE OR DEMONSTRATION THAT AISLE SPACE IS NOT NEEDED TO ALLOW THE UNOBSTRUCTED MOVEMENT OF PERSONNEL, FIRE PROTECTION EQUIPMENT, OR SPILL CONTROL EQUIPMENT TO ANY AREA OF FACILITY OPERATION IN AN EMERGENCY.	X		
I.E.5		E) PERSONNEL TRAINING §§264.16 & 270.14(b)(12) AN OUTLINE OF BOTH THE INTRODUCTORY AND CONTINUING TRAINING PROGRAMS BY OWNERS	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		AND OPERATORS TO PREPARE THE PERSONNEL TO OPERATE AND MAINTAIN THE FACILITY IN A SAFE MANNER. INCLUDE A BRIEF DECRIPTION OF HOW TRAINING WILL BE DESIGNED TO MEET ACTUAL JOB TASKS. (NOTE: ON-THE-JOB TRAINING MAY BE USED TO COMPLY WITH THESE REQUIREMENTS.)			
I.E. 5		JOB TITLES AND DUTIES §§264.16(d)(1) & (2) FOR EACH EMPLOYEE WHOSE POSITION AT THE FACILITY IS RELATED TO HAZARDOUS WASTE MANAGEMENT INCLUDE: NAME JOB TITLE JOB DUTIES JOB DESCRIPTION	X		
		TRAINING CONTENT, FREQUENCY, AND TECHNIQUES §§264.16(d)(3) & (c) IN BOTH INTRODUCTORY AND CONTINUING TRAINING (INCLUDING AN ANNUAL REVIEW OF THE INITIAL TRAINING) FOR EACH EMPLOYEE DESCRIBE: TRAINING CONTENT FREQUENCY OF TRAINING TECHNIQUE(S) USED IN TRAINING	X		
I.E. 5-3		TRAINING DIRECTOR §264.16(a)(2) DEMONSTRATION THAT THE PROGRAM IS DIRECTED BY A PERSON TRAINED IN HAZARDOUS WASTE MANAGEMENT. CREDENTIALS OF TRAINING DIRECTOR	X		
I.E. 5		RELEVANCE OF TRAINING TO JOB POSITION §264.16(a)(2) A BRIEF DESCRIPTION OF HOW INSTRUCTION OF FACILITY PERSONNEL IN HAZARDOUS WASTE MANAGEMENT PROCEDURES (INCLUDING	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
↓		CONTINGENCY PLAN IMPLETATION) IS RELEVANT TO THEIR POSITIONS.	X		
I.E4-1		TRAINING FOR EMERGENCY RESPONSE §264.16(a)(3) DOCUMENTATION THAT THE TRAINING PROGRAM TRAINS FACILITY PERSONNEL TO RESPOND EFFECTIVELY TO EMERGENCIES AND TRAINS THEM TO BE FAMILIAR WITH EMERGENCY PROCEDURES, AND EMERGENCY EQUIPMENT, AND EMERGENCY SYSTEMS, INCLUDE WHERE APPLICABLE: PROCEDURES FOR USING, INSPECTING, REPAIRING, AND REPLACING FACILITY EMERGENCY AND MONITORING EQUIPMENT KEY PARAMETERS FOR AUTOMATIC WASTE FEED CUTOFF SYSTEMS SOME KEY PARAMETERS INCLUDE: - TYPE OF VALVE (e.g.,DIAPHRAGM, SOLENOID, OR FUSIBLE ELEMENT) AND HOW IT BASICALLY OPERATES - WHETHER THE VALVE FAILS IN AN OPEN OR CLOSED POSITION - WHETHER THE VALVE IS PNEUMATICALLY, HYDRAULICALLY, ELECTRICALLY, OR IN THE CASE OF FUSIBLE ELEMENT, HEAT ACTIVATED - WHETHER OR NOT THERE IS A MANUAL OVERRIDE IN CASE OF VALVE FAILURE AND HOW TO MANUALLY OPERATE THE VALVE - CONDITIONS WHICH ACTIVATE WASTE FEED CUT-OFF	X		
IE2-4		COMMUMICATIONS OR ALARM SYSTEM	X		
IE2-14 IE24,5		RESPONSE TO FIRES	X		
IE2-8		RESPONSE TO GROUNDWATER CONTAMINATION INCIDENTS	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
IE2-8 IE2-7		SHUTDOWN OF OPERATIONS	X		
IE5-8 IE5-9		IMPLEMENTATION OF TRAINING PROGRAM §§264.16(d)(4) & 264.16(b) - INDICATION THAT TRAINING HAS BEEN AND WILL BE SUCCESSFULLY COMPLETED BY FACILITY PERSONNEL WITHIN SIX MONTHS OF THEIR EMPLOYMENT OR ASSIGNMENT TO A FACILITY, OR TRANSFER TO A NEW POSITION AT AT FACILTIY, WHICHEVER IS LATER. (NOTE: EMPLOYEES HIRED AFTER THE EFFECTIVE DATE OF THESE REGULATIONS MUST NOT WORK IN UNSUPERVISED POSITIONS UNTIL THEY HAVE COMPLETED THE TRAINING REQUIREMENTS). - RECORDS DOCUMENTING THAT THE REQUIRED TRAINING HAS BEEN GIVEN TO AND COMPLETED BY FACILITY PERSONNEL MUST BE MAINTAINED	X		
ID4-3		5 CHEMICAL AND PHYSICAL ANALYSIS §§264.13(a)& 270.14(b)(3) FOR EACH HAZARDOUS WASTE TREATED, STORED OR DISPOSED AT THE FACILITY, THE FOLLOWING INFORMATION SHOULD BE PROVIDED: - GENERAL SOURCE AND DESCRIPTION OF THE WASTE - HAZARDOUS CHARACTERISTICS - BASIS FOR HAZARD DESIGNATION - LABORATORY DATA ON ANALYSES RESULTS - EXISTING PUBLISHED OR DOCUMENTED DATA ON HAZARDOUS WASTE OR HAZARDOUS WASTE FROM A SIMILAR PROCESS AT A MINIMUM, THE ANALYSES SHOULD INCLUDE ALL THE INFORMATION WHICH MUST BE KNOWN TO TREAT, STORE OR DISPOSE OF THE WASTE IN ACCORDANCE WITH THE REGULATORY REQUIREMENTS.	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
I.D.4-4		6 WASTE ANALYSIS PLAN §§270.14(b)(2) & 264.13 THE WASTE ANALYSIS PLAN SHOULD DESCRIBE THE PROCEDURES USED TO OBTAIN CHEMICAL AND PHYSICAL INFORMATION AND DATA ON THE WASTES TO INSURE PROPER STORAGE, TREATMENT AND DISPOSAL.	X		
EXHIBIT I.D.4-1		- PARAMETERS AND RATIONALE §264.13 A LIST OF PARAMETERS CHOSEN FOR ANALYSIS AND AN EXPLANATION OF THE RATIONALE FOR THEIR SELECTION.	X		
EXHIBIT I.D.4-2		- TEST METHODS §264.13 A DESCRIPTION OF THE TEST METHODS USED TO TEST FOR PARAMETERS CHOSEN (EPA OR EQUIVALENT METHOD).	X		
EXHIBIT I.D.4-3		- SAMPLING METHODS §264.13 & 261 APPENDIX I A LIST OF THE SAMPLING METHODS USED TO OBTAIN A REPRESENTATIVE SAMPLE OF EACH WASTE TO BE ANALYZED (EPA OR EQUIVALENT METHOD).	X		
EXHIBIT I.D.4-4		- FREQUENCY OF ANALYSIS §264.13(b)(4) A DESCRIPTION OF THE FREQUENCY AT WHICH THE ANALYSES WILL BE REPEATED. FOR AN ON-SITE FACILITY THIS WILL BE WHENEVER THERE IS A PROCESS CHANGE OR AS OFTEN AS REQUIRED TO VERIFY CONSISTENCY OF THE WASTE LOAD.	X		
I.D.4 ↓		- ADDITIONAL REQUIREMENTS FOR WASTES GENERATED OFF-SITE §§264.13(b)(5) & 264.13(c) A DESCRIPTION OF THE PROCEDURES USE TO	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
↓		INSPECT AND/OR ANALYZE WASTES GENERATED OFFSITE THAT INCLUDES PROCEDURES TO DETERMINE THEIR IDENTITY AND SAMPLING METHODS USED. ALSO INFORMATION SUPPLIED BY THE GENERATOR.	X		
II B2 ↓		- ADDITIONAL REQUIREMENTS FOR FACILITIES HANDLING IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTES §§264.13(b)(6) & 264.17 IF THE FACILITY STORES OR TREATS IGNITIBLE, OR INCOMPATIBLE WASTE, A DESCRIPTION OF METHODS WHICH WILL BE USED TO MEET THE ADDITIONAL WASTE ANALYSIS REQUIREMENTS NECESSARY FOR COMPLYING WITH THE REGULATORY REQUIREMENTS FOR THESE TYPES OF HAZARDOUS WASTE.	X		
I D6		7 MANIFEST SYSTEM, RECORD KEEPING, AND REPORTING §264.12; 264.71; §264.72; 264.73; - REQUIRED NOTICES §264.74; 264.75; - MANIFEST SYSTEM §264.76; 264.77; - OPERATING RECORDS - RECORDS RETENTION - ANNUAL REPORTS - UNMANIFESTED WASTE REPORTS - WASTE MINIMIZATION - ADDITIONAL REPORTS		X	EXPAND SECTION I D6 PROCEDURE FOR RECORDKEEPING TO INCLUDE ANNUAL REPORTS, LAND BAN NOTIFICATION/CERTIFICATION FORMS, WASTE MINIMIZATION STATEMENTS, TRANSPORTER LIABILITY CERTIFICATION.

FACILITY SAFETY-KLEEN CORPORATION / MEDLEY
I.D. NUMBER (APPLIED FOR)
PATS NUMBER HC 13-175466
TYPE OF APPLICATION CONSTRUCTION
DATE 2/21/90
REVIEWER KNOX McLEE

SUBMITTALS	REF. NO	DATE	REVIEWER
	1		
	2		
	3		

REF. NO	PAGE	17-30.401(2) Part II (B) - CONTAINERS §270.15	COMP.	INCOMP.	COMMENTS
		1 (a) Containers Without Free Liquids Test for Free Liquids §264.175(c) For areas that store containers of wastes that do not contain free liquids, the test procedures and results or other documentation or information showing that the wastes do not contain free liquids.	N/A		
II B 1 EXHIBIT II-3		Container Storage Area Drainage §264.175(c) (INDOORS) The storage area must be sloped or otherwise designed to drain and remove liquid resulting from precipitation - Design drawing showing location of hazardous waste storage area - Description of stacking practices - Base slope - Drainage design and removal system including calculations - containers protection from liquid	X		
EXHIBIT II-1					
II B 1 ↓		1 (b) Containers With Free Liquids §264.175(b) Secondary Containment System Design and Operation			

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
EXHIBIT II-1 IIB1		A description of the design and operation of the container storage area containment systems, including calculations, showing: - Design drawing of containment system - Capacity of system to hold spills, leaks, precipitation - Dimensions - Location of storage areas - Liquid collection system and location of sump - Description of base grade and slope - Description of curbs, dikes, berms, ditches, and trenches	X		
EXHIBIT IE-3-10		Requirement for the Base to Contain Liquids §264.175(b)(1) The base under the containers must be free of cracks or gaps and sufficiently impervious to contain leaks, spills, and accumulated precipitation until the collected material is detected and removed. The applicant should address: - Construction and characteristics of base materials - Engineering evaluation of base structural integrity - Compatibility of base or liner with types of wastes stored		X	PROVIDE MANUFACTURER SPECIFICATIONS WHICH SUPPORT THAT CONTAINMENT AREA COATING (SIKAGARD 62 OR CONCEIVE 1305) MATERIAL IS COMPATIBLE WITH ALL SOLVENTS LIKELY TO COME IN CONTACT WITH IT DURING NORMAL OPERATIONS PROVIDE SPECIFICATIONS WHICH SUPPORT THAT SUMP LINER SUPPLIED BY SAFETY-KLEEN (SK PART NO. 5280) IS COMPATIBLE WITH ALL SOLVENTS LIKELY TO COME IN CONTACT WITH IT DURING NORMAL OPERATIONS.
IIB1 ↓		- Containment System Drainage §264.175(b)(2) The base must be sloped or the containment system must be otherwise	CONTAINER (DRUMS) X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		designed and operated to drain and remove liquids resulting from leaks, spills, or precipitation, unless the containers are elevated or otherwise protected from contact with accumulated liquids. For this requirement the applicant should address where applicable: - Describe handling and stacking practice (EXHIBIT II-3) - Grading of base - Drainage design and removal system so that standing liquid does not remain on base after a leakage or precipitation event.	X		
		- Containment System Capacity §264.175(b)(3) The containment system must have sufficient capacity to contain 10% of the volume of containers or the volume of the largest container, whichever is greater. Information (with calculations) that should be included to satisfy this requirement is: - Volume of largest container - Total volume of containers - Containment structure capacity - Capacity of run-off collection system - Geographic storm intensity/frequency data.		X	EXHIBIT I.E. 3-9 DETAILS (2) TWO STORAGE TANK CONFIGURATIONS (VERTICAL INSTALLATION AND HORIZONTAL INSTALLATION). SPECIFY WHICH CONFIGURATION IS TO BE USED AT THE FACILITY AND MAKE NECESSARY ADJUSTMENTS IN THE TANK DISPLACEMENT VOLUME CALCULATIONS. PROVIDE THE REFERENCE OF THE SOURCE AND ANY CALCULATIONS USED TO DERIVE RAINFALL ALLOWANCE AMOUNT (EXHIBIT I.E.3-6) [illegible]
		- Control of Run-on §264.175(b)(4) Run-on into the containment system must be prevented, unless the collection system has sufficient excess capacity in addition to that required in the above paragraph to contain any run-on that might enter the system. The applicant should discuss structure used to control run-on such as:		X	PROVIDE THE REFERENCE OF THE SOURCE AND ANY CALCULATIONS USED TO DERIVE RAINFALL ALLOWANCE AMOUNT (EXHIBIT I.E.3-6)

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		- Containment system auxiliary structures (curbs, dikes, etc.) - Engineering grading design - Collection and removal system design capacity with calculation - Potential run-on - Demonstration that system has adequate capacity to handle run-on from precipitation event in addition to 10% of the volume of containers or the largest container, whichever is greater.		X	
EXHIBIT I.E.3-6		- Removal of Liquids from Containment System §264.175(b)(5) Spilled or leaked waste and accumulated precipitation must be removed from the sump of collection area in a timely manner to prevent overflow of the containment system. Information that should be included when describing removal of accumulated liquids is: - How liquids will be analyzed - Removal equipment and methods (sump pump design, piping specifications, location, discharge point and capacity) - Management of accumulated liquid including prevention of overflow.		X	FOLLOWING THE TIMELY CLEANUP OF AN UNSUSPECTED RELEASE INTO THE FACILITY'S CONTAINMENT AREA THE FACILITY SHOULD ENSURE THAT RESIDUAL CONTAMINANTS ARE NOT CARRIED OUT OF THE CONTAINMENT SYSTEM VIA THE SUMP (SECTION A-1, EXHIBIT I.E.3-6) AND DISCHARGE TO RETENTION POND. IT IS RECOMMENDED THAT THE FACILITY INVESTIGATE THE INSTALLATION OF AN OIL/WATER SEPERATOR FOLLOWING 6" GATE VALVE AND PRECEEDING DISCHARGE TO RETENTION POND.
EXHIBIT I.B.3-5		2 - Ignitable or Reactive Wastes in Containers §264.176 Sketches, drawing, or data demonstrating that containers of ignitable or reactive waste are located at least 15 meters (50 feet) from the facility's property line.	X		
		Incompatible Wastes in Containers §264.177	N/A		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		- The procedures used to ensure that incompatible wastes and material are not placed in the same container (unless 264.17(b) is complied with) or in an unwashed container that previously held incompatible waste. - Dikes, berms, walls, or other devices used to separate incompatible wastes in containers.	N/A		
H.E.3.€		3 General Precautions for Handling Ignitable or Reactive Waste and Mixing of Incompatible Waste 264.177(a)&(b) A description of the precautions taken by a facility that treats, stores, or disposes of ignitable or reactive waste, or accidentally mixes incompatible waste or incompatible wastes and other materials, to prevent reactions which: (1) generate extreme heat or pressure, fire or explosions or violent reactions; (2) produce uncontrolled flammable fumes, dusts, or gases in sufficient quantities to threaten human health or the environment; (3) produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions; (4) damage the structural integrity of the device or facility; (5) by similar means threaten human health or the environment.	X		
EXHIBIT) H.E. 3-C H.E.3-1 H.E.3-2 H.E.3-3 H.E.3-5 H.E.3.€		4 Description of Containers §§264.171 & 264.172 A description of the facility's primary containment devices that includes basic design parameters, dimension, material of construction, and compatibility of waste with containers. Information submitted should include:	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		- Type of container(s) and construction material - Dimensions and usable volume - Liner specifications - Condition of containers - Manufacturer specifications - Determination of compatibility of wastes and containers with description of how compatibility is determined such as trial mixing of waste in containers.			
I.E.3.C.		Container Management Practices §264.173 A description of container management practices: - Waste containers are always kept closed during storage, except when adding or removing waste. - Containers must not be stored in a manner that may cause them to rupture or leak. - Adequately separated for inspection - Aisle space - Maximum number, height, volume, and types of containers in storage area - Locations of ignitable, reactive, or incompatible wastes - Machinery, equipment and procedures used to move containers.	X		
I.E.4		5 Inspection Schedule §§264.15 & 264.174 General Inspection Requirements A description of the facility inspection schedule (schedule must be kept at the facility) for the following equipment: - Monitoring equipment - Emergency and safety equipment	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		- Security devices - Operating and structural equipment that are vital to prevent, detect, or respond to environmental or human health hazards.			
I.E.4		Types of Problems §264.15(b)(3) The schedule must identify the types of problems to look for during the inspection (e.g., leaks, deterioration, readings out of specified range, missing items or materials, inoperative equipment, etc.).	X		
		Frequency of Inspection §264.15(b)(4) A descripition of the frequency of inspection for items on the schedule. The frequency of inspection should be based on the rate of possible deterioration of equipment and the probability of an environmental or human health incident if the deterioration, malfunction, or operator error goes undected between inspections. Areas subject to spills, such as loading and unloading areas, must be inspected at least weekly to verify proper operation. All system alarms must also be tested daily.	X		
		Specific Process Inspection Requirements Container Inspection §264.174 A description of the weekly inspection of containers and container storage areas for	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		leaks in containers or deterioration of the containment system.	X		
I.E.4		Remedial Action §264.15(c) Procedures for taking remedial actions when inspections reveal problems. (These may alternately be described in the contingency plan.)			
		Inspection Log §264.15(d) A description of the inspection log or summary including the following: - Dates and times of inspection - Name(s) of inspector(s) - Observations made - Date and nature of repairs or remedial actions.			
I.F.1		6 Closure §§264.178 & 264.112 * Closure Plans A copy of the written closure plan consistent with the following items: Closure Performance Standard §264.111 A description of how closure - Minimizes the need for post-closure maintenance - Minimizes releases of hazardous wastes, leachate, and contaminated rainfall to the	X		THE CONCEPTUAL CLOSURE INFORMATION PROVIDED APPEARS ADEQUATE. WHEN AN ACTUAL CLOSURE PERMIT IS REVIEWED, IT SHOULD BE UNDERSTOOD, THAT, THE DEPARTMENT WILL EXPECT A DETAILED CLOSURE PLAN AS OPPOSED TO THE CONCEPTUALIZATION CURRENTLY UNDER REVIEW.

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		air, groundwater, surface water, and surrounding land.			
		Partial Closure and Final Closure Activities §264.112 If partial closure is anticipated, a description of how and when the facility will be partially closed, including an identification of the maximum extent of operation after partial closure. Also, a description of how and when the facility will be finally closed.	N/A		
IF 1		6 Maximum Waste Inventory §264.112(b)(3) A calculation of the maximum inventory of wastes that could be in storage and treatment at any time.	X		
		Inventory Disposal, Removal or Decontamination of Equipment §264.114 A description of how all facility equipment and structures will be decontaminated or disposed of when closure is completed. - Decontamination procedures - Criteria for determining contamination - List equipment - Disposal of contaminated soil - Decontamination of cleanup materials and residues - Demonstrate decontamination has been effective.			

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
I.F.1		Closure of Containers §264.178 A description of how at closure all hazardous waste residues will be removed from the containment system and how remaining containers, bases, and soil containing or contaminated with hazardous waste or hazardous waste residues will be decontaminated or removed. The description should address the following: - Hazardous waste removal and disposal - Container decontamination and disposal - Site decontamination and disposal including linings, soil, and washes - Verification of decontamination - Maximum inventory	X		
		Schedule for Closure §264.112(b)(6) A schedule for final closure including: - Estimated expected year of closure - Closure schedule with total time to close, time for closure activities, and inspection schedule during closure.	X		
		Time Allowed for Closure §264.113(a)&(b) A schedule for closure which shows - All hazardous wastes will be treated, removed off-site; or disposed of on-site within 90 days from receipt of final volume	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		of waste - All closure activities will be completed within 180 days from receipt of final volume of waste.	X		
		Extensions for Closure Time §§264.113(a) and 264.113(b) A petition made to the Department for a schedule for closure which exceeds the 90 days for treatment, removal, or disposal of wastes and/or the 180 days for completion of closure activities made to the Department. One of the following must be demonstrated: - Closure activities require longer than 180 days. - Facility has capacity to receive additional wastes - A person other than owner or operator will begin operation of the site - Closure would be incompatible with continued operation. Demonstrate that all steps have and will be taken to prevent threats to human health and environment from unclosed but inactive facility.	X		

FACILITY SAFETY-KLEEN CORPORATION / MEDLEY
I.D. NUMBER (APPLIED FOR)
PATS NUMBER HC - 175466
TYPE OF APPLICATION CONSTRUCTION
DATE 2/24/90
REVIEWER KNOX McKEE

SUBMITTALS	REF. NO	DATE	REVIEWER
ORIGINAL APPLICATION	1		
	2		
	3		

REF. NO	PAGE	17-30.401(2) Part II C - Tanks §270.16	COMP.	INCOMP.	COMMENTS
EXHIBIT I.E.3-7 I.E.3-8 I.E.3-9		1. Structural Integrity §§264.191 & 264.192 a) Description of Tanks A review of tank design specifications and engineering calculations to assure that the tanks will not collapse or rupture. The specifications and calculations to be reviewed include shell strength, capacity, pressure controls, foundations structural support, and seams sufficient to demonstrate that tank will not collapse or rupture. Specifically, the applicant should address such items as: - Types and number of tanks - Tank wall thickness - Tank internal pressure and pressure controls - Foundation construction, specifications, and structural supports - Tank design specifications including dimensions, capacity, design, shell thickness, material and method of construction - Tank design standard code and year - Specifications on seams - Operating pressure and temperature - Type of waste contained in tanks - Specific gravity of tank liquids - Maximum height of liquid level		X	4 EXHIBIT I.E.3-7, D 13073, SHOULD INDICATE WHICH COUPLINGS WILL BE USED FOR DRAIN LINE CONNECTION, VENT LINE CONNECTION, FILL LINE CONNECTION, OVERFLOW LINE CONNECTION AND HIGH LEVEL ALARM TRANSMITTER. 3 SPECIFY NOMINAL CAPACITY (U.S. GALLONS) AND MAXIMUM CAPACITY (U.S. GALLONS). 2 EXHIBIT I.E.3-9, D 11124, PROVIDES (3) TWO STORAGE TANK CONFIGURATIONS (VERTICAL INSTALLATION AND HORIZONTAL INSTALLATION). SPECIFY WHICH CONFIGURATION IS TO BE USED AT THE FACILITY.
		b) Hazardous characteristic of the waste	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
↓		Tank construction compatibility with waste and test or documentation to substantiate compatibility.			
III-1		c) Tank Corrosion and Erosion §264.192(a) A review of the pertinent characteristics of the tank construction material and lining materials to determine corrosion or erosion effects with wastes and other materials (i.e., treatment reagents). The applicant should also address: - Description of lining and coating materials - Corrosion allowance and corrosion and erosion rates. Demonstration of how minimum shell thickness will be maintained - Tank construction compatiblity with waste and tests or documentation to substantiate compatibility - Description of treatment reagents.	X		
		d) Age of the tanks		X	SPECIFY IF TANKS ARE NEW. IF USED, SUBMIT AGE.
		e) Tank integrity examination results		X	TO BE SUBMITTED AT CERTIFICATION OF CONSTRUCTION.
I.E.3-7		2. Dimensions and capacity of tanks §264.191 & 192 a) Dimennsions b) Capacity	X		
IE3-2		3. Tank Management Practices §264.192(b) A description of the tank owner's or operator's operating practices and controls: - Description of controls to prevent overfilling and overtopping such as waste feed cut-off system(s), by-pass or standby tank	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		- Demonstration of maintenance of sufficient free-board to prevent overtopping by wave or wind action or precipitation for uncovered tanks			
~~I.E.3-9~~ 3-9 EXHIBIT III-3 III-2		4. Diagram of Piping, Instrumentation, and Process Flows - Tank process flow and piping diagrams and specifications - Description of tank instrumentation such as pressure, temperature, pH level, gauges and monitors - Description of safety devices such as rupture discs and safety vents - Description of pollution control devices such as vapor recovery systems.			
		5. Corrosion Protection §264.191(c)	N/A		ABOVEGROUND TANK FARM
		6. Installed of Tank System §§264.192(b),(c),(d)& (e) §264.192(b) a) certification of proper handling procedures b) type of backfill material §264.192(c) c) tested for tightness §264.192(d) d) supporting and protectionof ancillary equipment §264.192(e)		X	INFORMATION TO BE SUBMITTED AS PART OF CERTIFICATION OF CONSTRUCTION.
		7. Secondary Containment System a) meet requirement for secondary containment §264.193(a) b) 1. Design of system §264.193(b) 2. Detecting and collecting releases c) 1. Compatible with waste in the system §264.193)c) 2. Foundation 3. Leak-detection system		X	INFORMATION ON ACTUAL TANK CONFIGURATION (VERT. OR HORIZ.) NEEDS TO BE SUPPLIED ALONG W/ 25yr./24hr. RAINFALL INFORMATION TO SUPPORT 5" FIGURE USED IN CONTAINMENT CALCULATION (EXHIBIT I.E.3-6)

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		4. Remove of released waste or accumulated precipitation d) A degree for the secondary containment §264.193(d) e) Secondary containment systems requirement 1. External liner system §264.193(e) 2. Vault system 3. Double-walled tank 4. Variance requirement			
		8. Variance Requirement § 264.193(g) a) Plans and engineering reports describing alternate design and operating practices. b) Hydrogeologic reports describing prevent of hazardous constituents into the groundwater or surface water c) Risk assessment	N/A		
EXHIBIT I.E.3-6 I.E.3-7 I.E.3-8 I.E.3-9		9. Controls and Practices to Prevent Spills and Overflow §264.194(b) a) Check valves b) Level sensing devices c) High level alarms d) Automatic feed cutoff e) freeboard A description of operation procedures that ensures at least 60 cm (2 ft) of freeboard, unless the open tank is equipped with a containment structure, a drainage control system, or a diversion structure with a capacity that equals or exceeds the volume of the top 60 cm (2 ft) of the tank.	X		
I.E.3.E	1	10. General Precautions for Handling Ignitable or Reactive Waste and Mixing of Incompatible Waste	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
I.E.3.E		§§264.198 and .199 A description of the precautions taken by a facility that treats, stores, or disposes of ignitable or reactive waste, or accidentally mixes incompatible waste or incompatible wastes and other materials, to prevent reactions which: (1) generate extreme heat or pressure, fire or explosions or violent reactions; (2) produce uncontrolled flammable fumes, dusts, or gases in sufficient quantities to threaten human health or the environment; (3) produce uncontrolled flammable fumes, or gases in sufficient quantities to pose a risk of fire or explosions; (4) damage the structural integrity of the device or facility; (5) by similar means threaten human health or the environment.	X		
		Ignitable or Reactive Wastes in Tanks A description of the operational procedures used for storing such wastes in tanks that includes specific information on: - How the waste is treated, rendered, or mixed before or immediately after placement in the tank so tthat it is no longer considered ignitable and complies with §264.17(b); or the waste is stored or treated in such a way that it is protected from any material or conditions that may cause the waste to react or ignite; or the tank is used solely for emergencies. - How facilities that treat or store ignitable or reactive waste in covered in covered tanks comply with the National Fire Protection Association's code for tanks.	X		
I.E.4		11. Inspection Schedule			

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
EXHIBIT I.E.4-1		§264.15 General Inspection Requirements §264.15(a)&(b) §264.33 A description of the facility inspection schedule (schedule must be kept at the facility) for the following equipment: - Monitoring equipment - Emergency and safety equipment - Security devices - Operating and structural equipment that are vital to prevent, detect, or respond to environmental or human health hazards.	X		
		Types of Problems §264.15(b)(3) The schedule must identify the types of problems to look for during the inspection (e.g., leaks, deterioration, readings out of specified range, missing items or materials, inoperative equipment, etc.).	X		
		Frequency of Inspection §264.15(b)(4) A description of the frequency of inspection for items on the schedule. The frequency of inspection should be based on the rate of possible deterioration of equipment and the probability of an environmental or human health incident if the deterioration, malfunction, or operator error goes undected between inspections Areas subject to spills, such as loading and unloading areas, must be inspected daily when in use. All emergency waste feed cut-off valves must be inspected at least weekly to verify proper operation. All system alarms must also be tested daily.	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
I.E.4-1		Specific Process Inspection Requirement §264.195 Tank Inspection - A description of the daily inspection of overfilling control equipment, monitoring equipment and level of waste in uncovered tanks - A description of the weekly inspection of tank construction materials and the area surrounding the tank - A schedule describing the daily monitoring of monitoring equipment (e.g., pressure and temperature gauges, shutoff valves, vents, piping, etc.) where present to ensure that the tank is operated according to design specifications - A schedule showing the level of waste in uncovered tanks is inspected daily - A schedule and procedure for assessing the condition of the tank - A procedure for emptying a tank to allow entry and inspection when necessary.		X	DAILY INSPECTION OF STORAGE TANK SYSTEM (I.E.4-1) MUST INCLUDE A VISUAL INSPECTION OF TANK BOTTOMS.
I.E.4-1		Remedial Action §264.15(c) §264.195 Procedures for taking remedial actions when inspections reveal problems. (These may alternately be described in the contingency plan.)			
I.E.4-1		Inspection Log §264.73(b)(5) §264.15(d) A description of the inspection log or summary including the following: - Dates and times of inspections	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
↓		- Name(s) of inspector(s) - Observations made - Date and nature of repairs or remedial actions.			
I.F.		12. Closure Closure Plans §122.25(a)(13) §264.112 A copy of the written closure plan consistent with the following items:	X		
		Closure Performance Standard §264.111 A description of how closure - Minimizes the need for post-closure maintenance - Minimizes releases of hazardous wastes, leachate, and contaminated rainfall to the air, groundwater, surface water, and surrounding land.	X		
		Partial Closure and Final Closure Activities §264.112(a)(1) If partial closure is anticipated, a description of how and when the facility will be partially closed, including an identification of the maximum extent of operation after partial closure Also, a description of how and when the facility will be finally closed.	N/A		
I.F.12		Maximum Waste Inventory §264.112(a)(2) A calculation of the maximum inventory of wastes that could be in storage and treatment at any time.	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
I.F.1-3		Inventory Disposal, Removal or Decontamination of Equipment §264.114 A description of how all facility equipment and structures will be decontaminated or disposed of when closure is completed. - Decontamination procedures - Criteria for determining contamination - List equipment - Disposal of contaminated soil - Decontamination of cleanup materials and residues - Demonstrate decontamination has been effective		X	THE FINAL RINSATE MUST BE SAMPLED AND ANALYZED FOR MINERAL SPIRITS, VOLATILE ORGANIC COMPOUNDS, AND LEAD AND CADMIUM AND ~~CHROMIUM~~. (1e., Pg. IF1-3), (2f., Pg. IF1-4). ~~THREE~~ SURFACE SOIL SAMPLES (FROM BENEATH EACH DUMPSTER) MUST BE COLLECTED AND ANALYZED FOR MINER SPIRITS, VOLATILE ORGANIC COMPOUNDS AND EP TOXIC METALS (Pb, Cd, Cr) (2h., Pg. IF1-4). ANY CONTAMINATED SOIL MUST EITHER BE REMOVED AND PROPERLY DISPOSED OF OR THE CONTAMINATION ELIMINATED USING AN ALTERNATE METHOD (e.g. SOIL VENTING) OR CLOSED AS A LANDFILL AS PER 264.197(b) (2i., Pg. IF1-4).
IF 1-5		Closure of Tanks §264.197 A description of how at closure all hazardous waste residues will be removed from tanks, discharge control equipment, and discharge confinement structure, and the facility will be decontaminated. The description should address the following: - Waste removal from tanks and equipment - Decontamination of all components - Verification of decontamination - Disposal of wastes and residues - Maximum inventory		X	PROVISIONS SHOULD BE MADE TO PREVENT BACKFILLING ANY EXCAVATED AREA W/ CONTAMINATED SOIL (3c.(1)). CONTAIN AND PROPERLY DISPOSE OF ALL RINSATE FROM TANK INTERIORS (3a.(3)). ~~DECONTAMINATE ALL PIPING, PUMPS AND APPURTENANT EQUIPMENT, CONTAINING AND PROPERLY DISPOSING OF ALL RINSATE FOLLOWING APPROPRIATE ANALYSIS~~. THE FINAL RINSATE MUST BE ANALYZED FOR MINERAL SPIRITS, VOLATILE ORGANIC COMPOUNDS AND METALS ASSOCIATED WITH THE WASTE STORED IN THE TANKS. (3.c.(3)). DISCONNECT AND DECONTAMINATE ALL APPURTENANT PIPING & PUMPING EQUIPMENT ANALYZING FINAL RINSATE. (3.d.(1+2)). TESTING FOR METALS SHOULD BE ADDED TO THE SOIL SAMPLE ANALYSIS (3.d.(4)). SHOULD IT NOT BE POSSIBLE TO ELIMINATE CONTAMINATION (3.d.(5)) FACILITY MUST COMPLY W/ 40 CFR 264.197(b).
I.F.1-11		Schedule for Closure §264.112(a)(4) A schedule for final closure including: - Estimated expected year of closure - Closure schedule with total time to close, time for closure activities and inspection schedule during closure.	X		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
IF1-15		Time Allowed for Closure §264.113(a)&(b) A schedule for closure which shows - All hazardous wastes will be treated, removed off-site, or disposed of on-site within 90 days from receipt of final volume of waste - All closure activities will be completed within 180 days from receipt of final volume of waste.	X		
		Extensions for Closure Time §264.113(a) §264.113(b) A petition made to the Department for a schedule for closure which exceeds the 90 days for treatment, removal, or disposal of wastes and/or the the 180 days for completion of closure activities to the Department. One of the following must be demonstrated: - Closure activities require longer than 180 days - Facility has capacity to receive additional wastes - A person other than owner or operator will begin operation of the site - Closure would be incompatible with continued operation. Demonstrate that all steps have and will be taken to prevent threats to human health and environment from unclosed but inactive facility.	N/A		

FACILITY SAFETY-KLEEN CORPORATION / MEDLEY
I.D. NUMBER (APPLIED FOR)
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TYPE OF APPLICATION CONSTRUCTION
DATE 2/24/90
REVIEWER KNOX McKEE

SUBMITTALS	REF. NO	DATE	REVIEWER
ORIGINAL APPLICATION	1		
	2		
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REF. NO	PAGE	17-30.401(2) Part II K Closure/Post-closure §270.14(b)(13)	COMP.	INCOMP.	COMMENTS
IF1-2 TO IF1-16		1 Closure performance standard of §264.111 a. A description of how each hazardous waste management unit at the facility will be closed in accordance with §264.111.	X		12 SEE COMMENT ON CLOSURE, PAGE 8 OF 11, IN "CONTAINERS" SECTION.
		b. A description of how final closure will be conducted in accordance with §264.111, including the maximum extent of the operations which will be not be closed during the active life of the facility.	X		
IF1-16		c. An estimate of maximum inventory of wastes ever on site over the active life of the facility of the facility, and a detailed description of the methods to be used during partial and final closures, including, but not limited to: i. Procedures for cleaning equipment ii. Procedures for removing contaminated soils iii. Methods for sampling and testing surrounding soils iv. Criteria for determining the extent of decontamination required to satisfy the closure performanace standard	X		
		e. A detailed description of additional activities necessary during the closure period to ensure that all partial closures and final closure satisfy the closure performance standards, including, but not limited to:	N/A		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		i. Groundwater monitoring ii. Leachate collection iii. Run-on and run-off control			
JF1-15		f. Closure schedules for each hazardous waste unit and for final closure: i. Time required to close each unit ii. Time required for intervening closure	X		
		g. An estimate of the expected year of final closure (for facilities that use trust funds to establish financial assurance under 264.43 or .145 and that are expected to close prior to the expiration of the permit)	N/A		
		2 A Post-closure plan (if required) in accordance with 264.118 and .197 which must contain the following information for each unit at the facility subject to the requirements of 264. This plan must include all information required by part II, sections A through I of this application [270.14(b)(14)]: a. The activities which will be carried on after closure for each disposal unit and the frequencies of these activities	N/A		
		b. A description of the planned monitoring activities and frequencies at which they will be performed to comply with subparts F, J, K, L, M and N of Part 264 during the post-closure care period	N/A		
		c. A description of the planned maintenance activities, and frequencies at which they will be performed to ensure the integrity of the cap and final cover or other containment systems in accordance with the requirements of subparts J, K M and N of Part 264 and to ensure the function of the monitoring equipment in accordance with the requirements of subparts F, J, K, L, M and N	N/A		

REF. NO	PAGE		COMP.	INCOMP.	COMMENTS
		d. The name, address and phone number of the person or office to contact about the hazardous waste disposal unit or facility during post-closure care			
		3 If closure/post-closure plans have been approved by the Department as part of a previous permit application, attach a copy of the plan as required by 264.112 and 264.118, and either: a. Attach a certification that no changes have been made or b. provide an amended plan showing all changes or proposed changes.	N/A		

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)	Initial / Date
SATISH KASTURY	
2. BWP + R - TALLAHASSEE	Initial / Date
3.	Initial / Date
4.	Initial / Date

REMARKS:

FYI - SAFETY-KLEEN CORPORATION STORAGE FACILITY PERMIT APPLICATION.

INFORMATION	
	Review & Return
	Review & File
	Initial & Forward

DISPOSITION	
	Review & Respond
	Prepare Response
	For My Signature
	For Your Signature
	Let's Discuss
	Set Up Meeting
	Investigate & Report
	Initial & Forward
	Distribute
	Concurrence
	For Processing
	Initial & Return

FROM:

KNOX McKEE

DATE 1/26/90

PHONE

SC 221-5005

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)	Initial / Date
MIKE GRAHAM	
2. DERM	Initial / Date
3.	Initial / Date
4.	Initial / Date

REMARKS:

MIKE PLEASE REVIEW AND SUBMIT ANY COMMENTS TO THE DEPARTMENT WITHIN THIRTY (30) DAYS TO ALLOW FOR THE TIMELY PROCESSING OF THIS DOCUMENT.

THANK YOU

INFORMATION	
	Review & Return
	Review & File
	Initial & Forward

DISPOSITION	
	Review & Respond
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	For My Signature
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	Let's Discuss
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	Initial & Forward
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	For Processing
	Initial & Return

FROM:

KNOX MCKEE

DATE 1/26/90

PHONE SC 221-5005

Permit Data Form

Safety Kleen Corp.

Project Source Name Hazardous Waste Construction Permit

Type Code: HC Subcode 01 Check if: ☐ GP ☐ Exempt

Correct Fee $5,000.00

Amount Received $5,000.00

Permit Processor's Initial JKMS

Data Entry Operator's Initial BJ

Amount Refund

Comments:

HC 13-175466

SOUTHEAST DISTRICT PERMIT PROCESSING WORKSHEET

LOGGING

NAME OF PROJECT Safety-Kleen Corp.

PROJECT LOG NO. HC 13-175466 COUNTY Dade

DATE APPLICATION RECEIVED 1/26/90 30-DAY (HW 60-DAY) DATE 2/24/90

AMOUNT OF FEE PAID $5,000.00 (Rec'd) COPIES OF PLANS N/A

COPIES OF APPLICATION 6 COPIES OF SPECIFICATIONS ____

COPIES TO: CORPS __; LOCAL PROGRAM 1; TALLAHASSEE 2; DNR __; OTHER __

PERMIT REVIEW

PERMIT ASSIGNED TO McKee Knox AMOUNT OF FEE REQ'D S ____

DISCHARGE TO OR LOCATED IN AQUATIC PRESERVE: Yes __ No __ N/A ___

PERMIT STATUS AND CHRONOLOGY

DATE	REVIEWER'S INITIALS	COMMENTS

(continue on reverse side)

FIELD INSPECTION BY: _____ DATE _____; N/A _____

WATER MANAGEMENT COMMENTS (DATE) _____; N/A _____

LOCAL PROGRAM APPROVAL (DATE) _____; N/A _____

GPSI, APIS, OR PWS UPDATE DRAFTED: Yes _____ ; N/A _____

PUBLIC NOTICE LETTER ISSUED/PUBLISHED (DATES) _____ ; N/A _____

APPLICATION COMPLETION DATE _____ > DEFAULT DATE _____

COMMENTS: _____

PERMIT, EXEMPTION, DENIAL DRAFTED BY: _____ DATE: _____

INTENT: PROGRAM HEAD _____ PROGRAM ADM. _____

FINAL DRAFT REVIEWED BY: _____ DATE: _____

FINAL DRAFT APPROVED BY: _____ DATE: _____

****

FINAL PROCESSING

DISTRIBUTION BY: _____ DATE: _____

PATS UPDATED BY: _____ DATE: _____

GPSI, APIS OR PWS UPDATED BY: _____ DATE: _____

WORD PROCESSOR: _____

APPLICATION TRACKING SYSTEM 09/04/90

APPL NO:173466
APPL RECVD:01/26/90 TYPE CODE:HC SUBCODE:01 LAST UPDATE:01/26/90
DER OFFICE RECVD:SPB DER OFFICE TRANSFER TO:___ APPLICATION COMPLETE:__/__/__
DER PROCESSOR:MCKEE, KNOX
APPL STATUS:AC DATE:01/26/90 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)
RELIEF:__ (SSAC/EXEMPTIONS/VARIANCE)
(Y/N) N MANUAL TRACKING DISTRICT:50 COUNTY:13
(Y/N) N OGC HEARING REQUESTED LAT/LONG:25.51.90/80.20.23
(Y/N) N PUBLIC NOTICE REQD? BASIN-SEGMENT:__.___
(Y/N) N GOV BODY LOCAL APPROVAL REQD? COE #:_____
(Y/N) Y LETTER OF INTENT REQD? I (I/ISSUE D/DENY) ALT#:___-_____

PROJECT SOURCE NAME:SAFETY KLEEN CORP.
STREET:E.OF NW 89 AVE.& NW 98TH ST. CITY:MEDLEY
STATE:FL ZIP:33166 PHONE:708-697-8460
APPLICATION NAME:SAFETY KLEEN CORP.
STREET:777 BIG TIMBER RD. CITY:ELGIN
STATE:IL ZIP:60123 PHONE:708-697-8460
AGENT NAME:HAROLD FARCHMIN
STREET:345 NORTH 95TH STREET CITY:MILWAUKEE
STATE:FL ZIP:53226 PHONE:___-___-____
FEE #1 DATE PAID:01/26/90 AMOUNT PAID:05000 RECEIPT NUMBER:00148911

B DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE - - - __/__/__
C DATE DER SENT DNR APPLICATION/SENT DNR INTENT - - - - - __/__/__--__/__/__
D DATE DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP. -. __/__/__
E DATE #1 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - 03/26/90--04/25/90
E DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #6 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
F DATE LAST 45 DAY LETTER WAS SENT - - - - - - - - - - - __/__/__
G DATE FIELD REPORT WAS REQ--REC - - - - - - - - - - - - __/__/__--__/__/__
H DATE DNR REVIEW WAS COMPLETED - - - - - - - - - - - - __/__/__

I DATE APPLICATION WAS COMPLETE - - - - - - - - - - - - __/__/__
J DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS - - __/__/__
K DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT - - - - __/__/__--__/__/__
L DATE PUBLIC NOTICE WAS SENT TO APPLICANT - - - - - - - __/__/__
M DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED - - __/__/__
N WAIVER DATE BEGIN--END (DAY 90) - - - - - - - - - - - __/__/__--__/__/__

COMMENTS:FACILITY HAS DEFERRED PARTIAL RESPONSE TO FIRST NOD TO WATER MANAGE-
MENT PLAN, DUE 6/15/90
08-27-90 FACILITY IS PROVVIDING A SCHEDULE WITH DATE WHEN INFORMATION
REQUESTED BY FIRST NOD WILL BE SUBMITTED.

APPLICATION TRACKING SYSTEM 06/01/90

APPL NO:175466
APPL RECVD:01/25/90 TYPE CODE:HC SUBCODE:01 LAST UPDATE:01/26/90
DER OFFICE RECVD:MPB DER OFFICE TRANSFER TO:___ APPLICATION COMPLETE:00/00/00
DER PROCESSOR:MCKEE, KNOX
APPL STATUS:AC DATE:01/26/90 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)
RELIEF:__ (SSAC/EXEMPTIONS/VARIANCE)
(Y/N) N MANUAL TRACKING DISTRICT:50 COUNTY:13
(Y/N) DNR REVIEW REQD? LAT/LONG:25.51.90/80.20.23
(Y/N) N PUBLIC NOTICE REQD? BASIN-SEGMENT:__.___
(Y/N) N GOV BODY LOCAL APPROVAL REQD? COE #:_____
(Y/N) Y LETTER OF INTENT REQD? I (I/ISSUE D/DENY) ALT#:___-_____

PROJECT SOURCE NAME:SAFETY KLEEN CORP.
STREET:E.OF NW 89 AVE.& NW 95TH ST. CITY:MEDLEY
STATE:FL ZIP:33166 PHONE:703-697-8460
APPLICATION NAME:SAFETY KLEEN CORP.
STREET:777 BIG TIMBER RD. CITY:ELGIN
STATE:IL ZIP:60123 PHONE:703-697-8460
AGENT NAME:HAROLD FARCHMIN
STREET:345 NORTH 95TH STREET CITY:MILWAUKEE
STATE:FL ZIP:53226 PHONE:___-___-____
FEE #1 DATE PAID:01/25/90 AMOUNT PAID:C5000 RECEIPT NUMBER:00148911

B DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE - - - __/__/__
C DATE DER SENT DNR APPLICATION/SENT DNR INTENT - - - - - __/__/__--__/__/__
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E DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #6 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
F DATE GOVERNING BODY REQUESTED SURVEY RESULTS/REPORTS - - __/__/__
G DATE FIELD REPORT WAS REQ--REC - - - - - - - - - - - - __/__/__--__/__/__
H DATE DNR REVIEW WAS COMPLETED - - - - - - - - - - - - __/__/__

I DATE APPLICATION WAS COMPLETE - - - - - - - - - - - - 00/00/00
J DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS - - __/__/__
K DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT - - - - __/__/__--__/__/__
L DATE PUBLIC NOTICE WAS SENT TO APPLICANT - - - - - - - __/__/__
M DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED - - __/__/__
N WAIVER DATE BEGIN--END (DAY 90) - - - - - - - - - - - __/__/__--__/__/__

COMMENTS:FACILITY HAS DEFE[redacted]E-
MENT PLAN, DUE 07/15/90

safety-kleen®

Certified Mail - Return Receipt Requested

RECEIVED
JAN 25 1990
Dept. of Environmental Reg.
West Palm Beach

January 19, 1990
RO 90-118

Mr. Charles Ouseph, Supervisor
Hazardous Waste Permitting
Florida Department of Environmental Regulation
1900 South Congress Ave.
West Palm Beach, FL 33406

Subject: Proposed Medley Service Center

Dear Mr. Ouseph,

Pursuant to Chapter 17 of the Florida Administrative Code, Safety-Kleen Corp. is submitting a Part B permit application to store hazardous wastes in a tank and in containers at its proposed facility in Medley. The enclosed contains the text and support documents (including the Part A permit application) necessary to meet the requirements set forth in the hazardous waste regulations. Also enclosed is the check for the application fee.

If you have any questions or require further information, please contact me on extension 2550.

Sincerely,

Rob Omiecinski

Rob Omiecinski
Environmental Permit Writer

RO/dfs

777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708/697-8460 FAX 708/697-4295

FLORIDA
TOYOTA COROLLA