SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN

BASIN OIL COMPANY, INC.
SEATTLE, WASHINGTON

JUNE 2000

EMR
INCORPORATED

ENVIRONMENTAL MANAGEMENT RESOURCES

Lawrence, KS ▼ Redmond, WA ▼ Duluth, MN ▼ Lincln, NE ▼ Ft. Worth, TX ▼ Minneapolis, MN ▼ Chicago, IL

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SPILL PREVENTION, CONTROL, AND COUNTERMEASURES PLAN (SPCC)

General Information

1.0 – 2.0 *Owner / Operator*

1a. Name of Owner Terry Drexler	2a. Name of Operator Shelley Kay Hood
1b. Street Address of Owner 21010 120th Dr. SE	2b. Street Address of Operator 19715 131st Pl NE
1c. City of Owner Snohomish	2c. City of Operator Woodinville
1d. State of Owner 1e. Zip Code Washington 98296	2d. State of Operator 2a. Zip Code Washington 98072

3.0 – 4.0 *Facility*

Facility Name: Basin Oil Company, Inc.	EPA/State ID Number: WAD988477501
3a. Designated Person Responsible for Oil Spill: Terry Drexler	4a. Street Address of Facility 8661 Dallas Avenue South
3b. Office Phone Number (206) 763-2948	4b. City of Facility Seattle
3c. Emergency Phone Number 1-800-439-2948	4c. State of Facility 4d. Zip Code Washington, 98108
3d. Management Approval Terry Drexler/Shelley Hood	4d. Type of Facility Used Oil Recycling

5.0 *Certification*

I hereby certify that I have examined the facility and, being familiar with the provisions of 40 CFR, Part 112 attest that this SPCC Plan has been prepared in accordance with good engineering practices.

5a. Name of Certification Engineer Don Clabaugh	5c. Registration Number 30454
5b. Signature	5d. State in Which Licensed Washington

CHARLES DON CLABAUGH
STATE OF WASHINGTON
030454
REGISTERED
PROFESSIONAL ENGINEER

6/2/00

EXPIRES 11-1-00

6.0 Description of Facility

Basin Oil Company, Inc. is a collector-transporter-processor-marketer of used oil. The company operates an aboveground storage tank farm with capacity exceeding 1,320 gallons. Basin Oil has had no significant or reportable oil spill events during the twelve months prior to May, 2000. The facility has been operating since 1976.

Basin Oil conducts operations at their facility in the South Seattle area adjacent to the Duwamish River. The property is bordered by sections of 17th Avenue South and Donovan Street. Appendix A includes a site vicinity map and a site plan. The Site Plan illustrates the spatial relationship of the tanks and equipment to the property boundaries, adjacent roads, and on-site buildings. Facility equipment is listed in Table 1.

Each storage tank is clearly marked on the plot plan. Tank information is listed in Table 2. Used oils are delivered to the plant by Basin Oil tank trucks, commercial carriers or individuals. Basin Oil currently owns and operates seven tank trucks with capacities ranging from 1,000 to 5,000 gallons. Upon arrival at the site, used oils are transferred into storage tanks, T-2 or T-4 for gravity separation of used oil from associated sediment and water. After gravity separation the used oil is transferred directly into heating tanks C-1 and C-2. Oil recovered during the heating process is then transferred into cooling tanks CD-1 and CD-2 through pipe and hose connections. Cooled oil is transferred into tank trucks for delivery of off site vendors' locations.

7.0 Spill Prevention - Storage Tanks

Appropriate containment structures to prevent discharged oil from reaching a natural water course are present at the Site. A concrete berm surrounds the tank area, which is situated on concrete. Operating procedures that Basin Oil enforces are listed below.

- Inspect tank trucks, pumps, hoses, fittings and emergency equipment prior to initiating oil transfer.
- Replace or repair damaged equipment before initiating oil transfer.

TABLE 1

BASIN OIL COMPANY, INC.
EQUIPMENT LIST

Fire Extinguishers	Quantity
Modular Building	1
Main Office	1
Trucks	1 (in each vehicle)
Recycling Area	3
Sorbent Containment Material	
Sorbent Pads	15 bales
Waste Drums	50 or more
Protective Clothing	
Gloves	a
Safety Goggles	a
Hard Hats	a
Chemical Resistant Aprons	a
Respirators	a
Earplugs	a
First Aid Kit	8
Eye Wash (Portable)	1 (at laboratory sink)
	a
Tank Trucks	
5000 gallons	2
2600 gallons	2
2500 gallons	1
2000 gallons	1
1600 gallons	1
Spill Response Kit	7 (one per vehicle)

a. issued to each employee

TABLE 2

Aboveground Storage Tank Capacity
Basin Oil Company, Inc., Seattle, Washington

TANK	CAPACITY (gallons)	DIAMETER (feet)	CONTENTS
CD-1	4,000	6.37	Cool Down Tank
CD-2	4,000	6.37	Cool Down Tank
C-1	4,000	6.37	Heating Tank
C-2	4,000	6.37	Heating Tank
T-1	10,000	6.37	Non-potable Water
T-2	10,000	8.06	Used Oil
T-3	10,000	8.06	Processed Oil
T-4	10,000	8.06	Used Oil
T-5	6,000	7.96	Non-potable Water
T-6	5,000	6.37	Non-potable Water
F-2	1,500	5.09	Plant Fuel
A-1	6000	8	New Anti Freeze
A-2	6000	8	Used Anti Freeze
B-1	100	1.2	Thermal Oil Heater
B-2	100	2	Thermal Oil Heater
T-7	20000	12	Processed Oil
T-8	20000	12	Processed Oil
T-9	12000	10	Used Oil
T-10	8000	9	Used Oil
T-11	6000	8	Used Oil
K-1	110	1.2	Stove Oil
F-1	4,000	6	Diesel for Refuling Fleet

TOTAL TANK CAPACITY	150,810
TOTAL OIL CAPACITY	117,810
TOTAL WATER CAPACITY	21,000
TOTAL ANITFREEZE CAPACITY	12000

- Review the amount of material to be transferred, the sequence of procedures, and shutdown and emergency procedures prior to initiating oil transfer.
- Position the tank truck close to the receiving holding tank to minimize hose length.
- Inspect the hose and coupling system for adequate support.
- Place five gallon buckets beneath each hose and coupling connection.
- Electrically bond the receiving tank and tank truck using a grounding cable.
- Provide explosion-proof artificial lighting if necessary.
- Monitor receiving tank, hose and tank truck continuously during transfer operation.
- Shutdown operations immediately in the event of an emergency incident.
- Contact the Emergency Coordinator immediately in the event of a spill or leak.

8.0 Prediction of Potential Spills

Based on experience and reasonable deduction, a prediction for potential equipment failure (such as tank overflow, rupture, or leakage), following worst case scenario is shown on Table 3.

appendix A shows an area map giving the spatial relationship of the facility to the nearest water source, which is the Duwamish Waterway. Adequate secondary containment exists at the facility to contain the worst case scenario spills shown on Table 3. No man made features that control drainage exist between the facility and the Duwamish Waterway.

9.0 Emergency Response Plan

9a. All site, service and contracted companies and personnel are provided with a copy of the SPCC plan. Fuel providers, transporters, operators, service personnel and site users, upon occurrence, or discovery

TABLE 3

Prediction of Spill Volume and Fate
Basin Oil Company, Inc., Seattle, Washington

Plot Plan Identifier	Type of Failure	Maximum Volume Released	Direction of Flow	Rate of Flow	Distance to Nearest Water Source
CD-1	Valve Rupture	4000	Contained*	50 gpm	200 feet
CD-2	Valve Rupture	4000	Contained*	50 gpm	200 feet
C-1	Valve Rupture	4000	Contained*	50 gpm	200 feet
C-2	Valve Rupture	4000	Contained*	50 gpm	200 feet
T-1	Valve Rupture	10000	Contained*	50 gpm	200 feet
T-2	Valve Rupture	10000	Contained*	50 gpm	200 feet
T-3	Valve Rupture	10000	Contained*	50 gpm	200 feet
T-4	Valve Rupture	10000	Contained*	50 gpm	200 feet
T-5	Valve Rupture	6000	Contained*	50 gpm	200 feet
T-6	Valve Rupture	5000	Contained*	50 gpm	200 feet
F-2	Valve Rupture	1500	Contained*	50 gpm	200 feet
A-1	Valve Rupture	6000	Contained*	50 gpm	200 feet
A-2	Valve Rupture	6000	Contained*	50 gpm	200 feet
B-1	Valve Rupture	100	Contained*	50 gpm	200 feet
B-2	Valve Rupture	100	Contained*	50 gpm	200 feet
T-7	Valve Rupture	20000	Contained*	50 gpm	200 feet
T-8	Valve Rupture	20000	Contained*	50 gpm	200 feet
T-9	Valve Rupture	12000	Contained*	50 gpm	200 feet
T-10	Valve Rupture	8000	Contained*	50 gpm	200 feet
T-11	Valve Rupture	6000	Contained*	50 gpm	200 feet
K-1	Valve Rupture	110	Contained*	50 gpm	200 feet
F-1	Valve Rupture	4000	Contained*	50 gpm	200 feet

* All tanks are contained on a concrete surface within a concrete berm.

of a spill must immediately notify the persons listed below. Office number for each of the persons listed below is (206) 763-2948 The 24-hour office number is (800) 439-2948. Home phone numbers are listed below.

9b. Terry Drexler, Emergency Coordinator (425)806-0306
9c. Shelley Hood, Emergency Coordinator Alternate (425)483-1376
9d. Tom Wofford, Emergency Coordinator Alternate (425) 481-8432

The following information will be requested: name; location of spill; type of material spilled; potential for release to water body; quantity of material spilled; injuries; other relevant information. The Emergency Coordinator will then:

- Ensure all operations are suspended and personnel are safely removed;
- Determine the nature and extent of the released materials, and assess the hazard;
- Determine whether medical, fire or security assistance from local emergency facilities is necessary and contact if necessary;
- Determine whether assistance is required from spill response contractors;
- Remove all personnel not engaged in emergency activities from the area;
- Establish traffic and pedestrian barriers, if required;
- Provide instruction to contractors and local emergency facilities, if notified; and,
- Initiate containment and control procedures.

If necessary, the Emergency Coordinator will notify local emergency facilities.

Seattle Fire Department (206) 386-1400

Harborview Medical Center (206) 731-3000

Seattle Police Department 911

Washington State Patrol 911

Control and containment procedures will then be initiated by the Emergency Coordinator.

- Inspect for source of spill;
- Disable the source of the spill by closing valves, plugging broken pipes, shutting off pumps or maneuvering ruptured containers so that the bottom of the rupture is above the liquid level.
- Ensure that any materials released from the incident area are isolated from incompatible materials.
- Determine the most appropriate containment method (sorbent material, earthen berms or ditches.
- Use sorbent material to clean up spilled material.

Finally, the Emergency Coordinator will report any spill to the appropriate regulatory agencies:

Emergency Management (800) 258-5990

Washington Department of Ecology (425) 649-7000

US EPA Regional Response Team (800) 424-8802

US Coast Guard (800) 424-8802

9e. Below is a listing of firms/manpower capable of expeditiously mobilizing crew and equipment capable of handling a release using a worst case scenario.

9f. Company or Personnel	9g. Contact	9h. 24 Hr. Emergency Phone #	9i. Address	9j. City	9k. State & Zip Code
EMR	Don Clabaugh	(425) 861-4561	2509 152nd Ave. NE Suite E	Redmond	WA, 98052
Pacific Industrial Resources	Aaron Alderson	(253) 437-0785	PO Box 1420	Kent	WA, 98035

10.0 Security

All structures or procedures that serve to prevent accidental or deliberate malfunction, or destruction of systems having potential for release of petroleum products are listed below. All security features or associated equipment are marked in the Plot Plan Map in Appendix A.

10a. Plot Plan Identifier	10b. Security Feature
Line with x's	The facility is surrounded by an eight-foot high cyclone fence with two strands of barbed wire on the top. Gates are to 17th Avenue South at the north boundary of the site, and on Dallas Avenue South ,at the southeast corner of the site. Gates are locked at the end of each work day.
Heavy Solid Line	Berm that route drainage across the site across concrete pavement toward the oil/water separator.
RAMP	The ramps at the entrance and exit of the site allow trucks into the area within the berms, and all loading and unloading of used or processed oil is conducted within that area.
NA	A security guard is present at the site between the hours of 9 pm and 6 am every day, seven days per week. The guard is fully trained and able to respond to spills.

11.0 Personnel Training

11a. Appendix B shows documentation that each contractor installing or servicing equipment on-site is properly trained and is knowledgeable of all appropriate Federal and State regulations relevant to the equipment. All Contractors have signed a standard Basin Oil Company, Inc. agreement that requires that they meet all Federal, State, and Local regulations, that they adhere to OSHA safety standards, and that their personnel are trained properly to perform their functions in relation to the equipment and site.

11b. Basin Oil Company, Inc. maintains a strict training program on spill prevention and response procedures. Employees complete 40-hour

hazardous waste operations training and conduct 8-hour training updates. Ongoing on the job training, quarterly spill response meetings, and formal monthly hazardous materials meetings include proper operation of company equipment, oil and hazardous waste handling procedures, and a review of the SPCC Plan. Such briefings include a thorough review of each section of the SPCC plan and highlight and describe known spill events or failures, malfunctioning components and recently developed precautionary measures. A record of the briefing content and attendance, signed by the appropriate supervisor or instructor, shall be made a part of the SPCC plan (Appendix C). In addition a record of any training in Environmental Safety and Industrial Hygiene, Hazardous materials handling, spill prevention, or related topics will also be made a part of the SPCC plan (Appendix C).

12.0 INSPECTION PROCEDURES AND RECORDS

12a. The entire site is subject to a minimum of one visual inspection per day by site and contracted service personnel. These inspections include observation of facility drainage, bulk storage tanks, transfer operations and security. Specific items inspected include storage tanks, secondary containment, pumps, valves, flanges, pipes, fences, lighting, locks, and other equipment. Any sign of deterioration or leakage is immediately investigated and corrective action is initiated.

12b. All loading and unloading of used or processed oil is observed by both the operator of the truck and the appropriate supervisor. Incidental spillage is directed to the oil/water separator by rinsing with a steam cleaner over concrete within the bermed area. At least once each calendar year, a record of the inspections, signed by the appropriate supervisor or inspector, shall be made a part of the SPCC plan (Appendix D).

SPCC Plan Owners' Review

As required by 40 CFR 112.5 (b), "a review and evaluation of the SPCC Plan at least once every three years from the date such facility becomes subject to this part, " is required of the owner.

If major changes to the facility have occurred since the last review, the plan must be updated and certified by a registered Professional Engineer.

If no amendment is necessary, you should indicate on the SPCC Plan that a review was conducted on a certain date, along with your signature and title "No amendment is necessary as per 40 CFR 112.5 (b)."

Reviewed on_____, 19_____, Amendment #_____

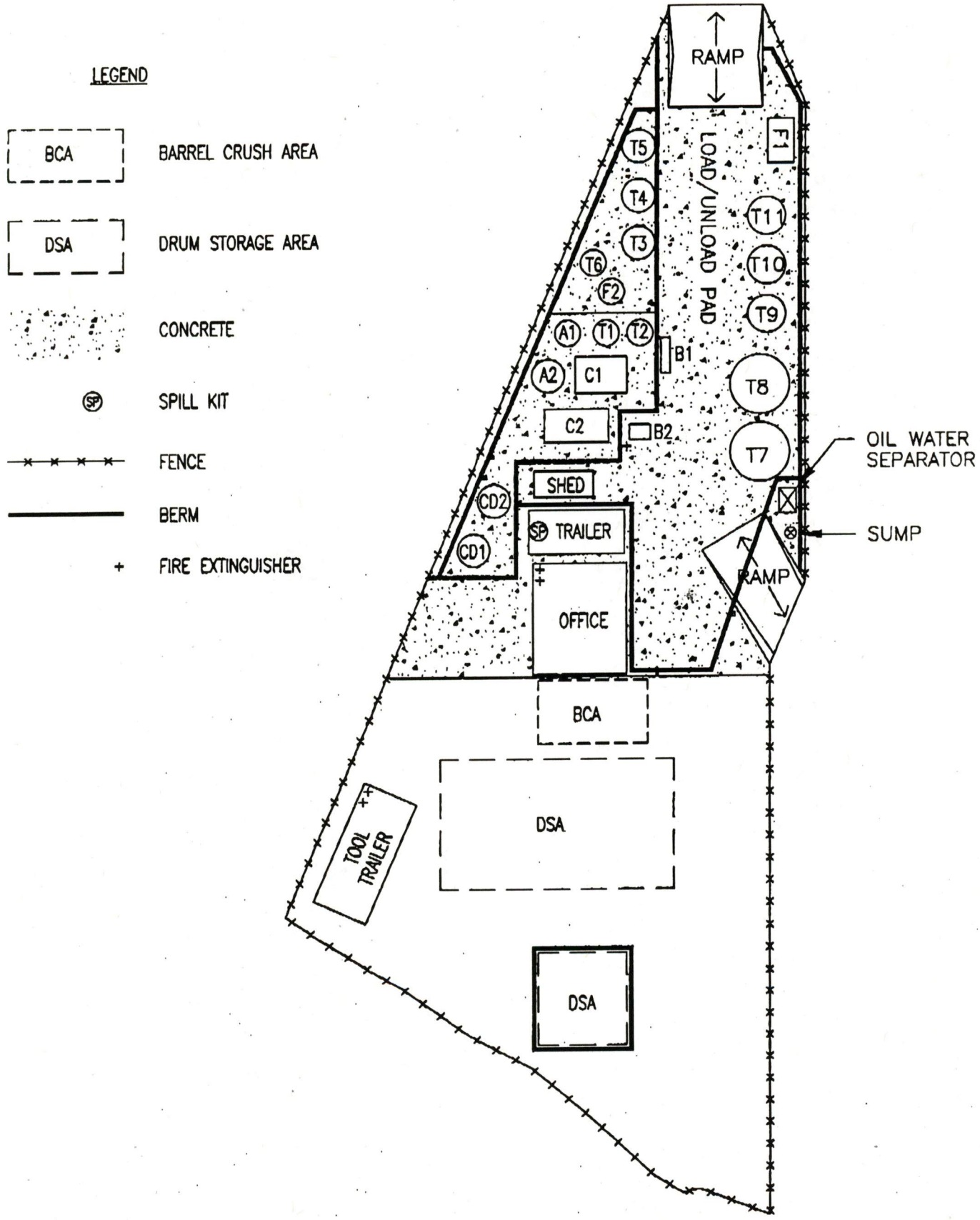
Owner's Title:_____

Signature:_____

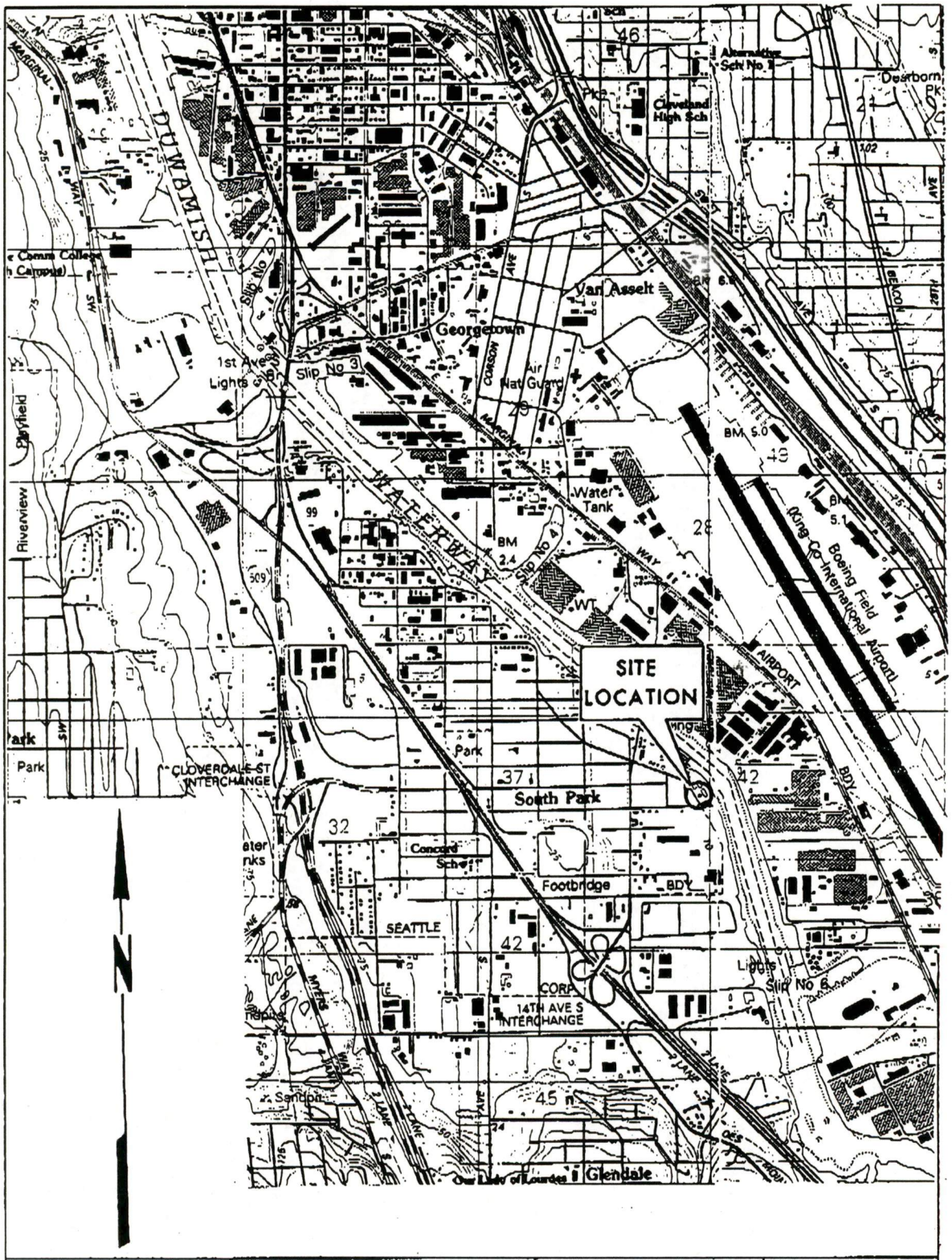
The next review date will be:_____ (3 years later)

APPENDIX A

PLOT PLAN AND AREA MAPS



EMR INCORPORATED	SITE PLAN BASIN OIL CO. INC.		Drawn by: Q.D.D. Checked By: D.C. Project No.: File Name: BASINOIL.DWG Revision No.: Date: 5/25/00 Scale: 1" = 30'	FIGURE 2



EMR INCORPORATED	Vicinity Map *BASIN OIL CO. INC.*	Drawn by: Checked By: Project No.: File Name: Revision No.: Date: Scale: 1:25,000	FIGURE 1

APPENDIX B

CONTRACTOR DOCUMENTATION

APPENDIX C

TRAINING DOCUMENTATION

Basin Oil Company, Inc.
Spill Prevention, Control, And Countermeasures (SPCC) Plan
Spill Briefing Record

Site: _____

Topics Discussed:

_____

_____

_____

_____

_____

_____

_____

_____

Attendees:

Name (Printed)	Date	Signature

_____ _____

Supervisor/Instructor Signature Date

APPENDIX D

INSPECTION DOCUMENTATION

BASIN OIL COMPANY, INC.
Aboveground Storage Tank Facility
Inspection Checklist

Facility: _____ Inspector: _____

Tank #: _____ Contents: _____

Item to Inspect	Acceptable	Unacceptable	Corrective Action
Tank shell and roof not cracked/corroded, no structural damage			
Tank seams or welds not cracked, leaking or corroded			
Tank rivets/bolts not loose, missing or corroded			
Coating not bubbled, cracked or damaged			
Tank foundation not cracked, eroded or settled unevenly			
Tank has not slipped from foundation or support			
Pipe supports not deteriorated/damaged, sagging or loose			
Piping, valves, fittings, couplings not leaking, corroded or damaged			
Cathodic protection system functioning properly			

_____ _____

Inspector Signature Date


X:\duwamish\Marina_052804.mxd June 24, 2004
Rick's Master Marine
Tire Factory
Main Boatyard
South Park Marina
-Boat Storage-
1415
8510
8544
8603
Dallas Ave S.
16th Ave S
S Cloverdale St
ELLIOTT BAY
Lake Washington
Duwamish River
Area of focus
Aerial Photography- 2002
LEGEND
Parcel Boundary
0 100 200 400 600 Feet
0 25 50 100 150 Meters
N
FIGURE 2
South Park Marina
SAIC

Cargill, Dan

From: Smith, Barbara (ECY)
Sent: Monday, February 28, 2005 3:35 PM
To: Cargill, Dan
Subject: Basin Oil Drums

Dan -
During the August 17, 2004 inspection at Basin, Don Clabaugh, Basin's consultant from Secor, was our escort. Mr. Drexler was not present. Mr. Clabaugh stated the 600 drums in the "west yard" were all from Basin Tank and Environmental Services (BTES), a company Terry Drexler operated to decommission home heating oil tanks. He said Basin operated BTES for a period of time and these drums contain wastes from that operation. BTES ceased operations in the mid-1990s. Mr. Clabaugh said the drums contain oil, oil-contaminated soil and tank sludges from clean ups of home heating oil tanks.

A couple of days later on August 19, we were escorted on site by Terry Drexler. Mr. Drexler told us the following about the drums:

- Rows 1 and 2 (northern most rows) are oversized oil filters and will go to the Spokane Waste-to-Energy Facility.
- Rows 3 and 4 are oil soaked absorbent pads and will also go to the Spokane Waste-to-Energy Facility.
- Row 5 (southern most row) is tank cleanings from Basin's own tanks.
- About 45 drums are solid asphalt from the former Malarkey Facility located to the east of Basin Oil.
- Some drums contain dirt from cleaning up oil spills at the Basin site.

I asked him twice if the drums contained any waste related to home heating oil wastes and he said no both times.

I will pass along a copy of the "Waste Characterization Workplan" for the 600 drums dated October 16, 2003 for your information. This document states that the drums are mainly from BTES operations.

Barb

Barb Smith, *Environmental Specialist*
Hazardous Waste & Toxics Reduction Program
Washington State Department of Ecology
Phone (425) 649-7026
Fax (425) 649-7098
Email bsmi461@ecy.wa.gov