

**Attachment # 2: Assessment of Whatcom Creek Incident Emergency Response
Activities - March 22, 2001 letter from Mr. Bobby J. Talley, District Manager - OPL.**

OPL
Bellingham, WA
June 10, 1999
DCA99-MP008





OLYMPIC PIPE LINE COMPANY

2319 LIND AVE. S.W.
P.O. BOX 1800
RENTON, WASHINGTON 98057
(425) 235-7736

March 22, 2001

Tom Lasseigne
National Transportation Safety Board
490 L'Enfant Plaza East, SW
Washington DC 20594-0003

RE: DCA-99-MP-008

Dear Mr. Lasseigne:

In response to the letter from your office dated December 22, 2000 and in an effort to further our cooperation with the National Transportation Safety Board in your investigation of the June 10, 1999 pipeline incident on Olympic's 16" pipeline in the City of Bellingham, Washington.

- (1) Please describe any review or assessment Olympic Pipe Line Company has conducted of its spill emergency response activities and planning since this accident. What worked well in this emergency in regards to solving problems with communications, response, manpower, apparatus, resources? Were there any problems encountered during the emergency response phase?

Please see the attached document entitled "Assessment of Whatcom Creek Incident Emergency Response Activities."

- (2) Please identify any joint training exercises Olympic Pipe Line company held with public response agencies 3 years prior to this accident to test the effectiveness of its spill response contingency plans.

The following lists the tabletop drills that were conducted 3 years prior to the accident on June 10, 1999:

May 7, 1997

Scenario - A landslide on the north side of the Nisqually River stressed the 14" pipeline causing a crack in the weld, which resulting in a release of high sulfur diesel into the Nisqually River. The attached report details the agencies participating in the exercise.

OPL 1131959

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September 9, 1998

Scenario - A rupture in the pipeline under the Nooksack River causing a 5500 bbl diesel release. The attached Evaluation Report details the Drill Design Team and conclusions and recommendations from the participating agencies.

April 7, 1999

Scenario - A mechanical failure of the injection pump causing an 8 bbl transmix release into Springbrook Creek. The Department of Ecology Evaluation Checklist is attached.

- (3) Please identify any change(s) to Olympic Pipe Line Company's spill response plan as a result of this accident.

After the June 10, 1999 accident RSPA re-examined Olympics' plan for adequacy. The examination identified deficiencies and Olympic was given 90 days to amend the plan. The plan was amended as requested by RSPA, and all revisions were accepted. Attached are copies of correspondence pertaining to these revisions.

If you have any further questions, please contact me at (425) 235-7738

Sincerely,


Bobby J. Talley
District Manager

cc: Chris Hoidal, OPS

OPL 1131960

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OLYMPIC PIPE LINE COMPANY

Assessment of Whatcom Creek Incident Emergency Response Activities For Submission to the National Transportation Safety Board

March 21, 2001

The following report is a review of the emergency response activities of Olympic Pipe Line Company following the Whatcom Creek incident of June 10, 1999. This report reviews Olympic's:

- Initial assessment and evaluation of the incident;
- Mobilization of resources to respond;
- Response strategy;
- Response resources;
- Response effectiveness;
- Command structure;
- Measurement of oil spilled or recovered; and
- Governmental relations

1. Assessment/Evaluation.

- *Was the magnitude of the problem assessed correctly at the start?*

The initial reports from the site describing the size of the fire made it evident from the start that this was a major release. The original maximum release volume estimate made at 5:30 p.m. on June 10, 1999 was calculated to be 6,598 BBLs. The final release volume based upon measurement of the remaining product was 5,638 BBLs. Therefore, the original maximum estimate was an overestimate of 17%.

- *What means were used for this assessment?*

Field reports to the Control Center by Rick Kiene, immediate news reports from local news agencies, and overflight communications from Rudy Hilstrom of Hillcrest Aviation provided visual confirmation of the fire and leak location. The maximum release volume estimate was calculated based upon the volume pumped after the rupture, and drain down volumes of the pipe sections upstream and downstream of the release site. A special patrol report prepared by Hillcrest Aviation, and copies of the original and final release volume estimates are contained herein. [See Attachment A].

OPL 1131961

- *Are any guides or aids needed to assist spill evaluation?*

A television in the Command Center that could monitor news reports would have been helpful. News helicopters were transmitting live footage early on, and it would have helped to see the news coverage for whatever additional information it may have provided.

- *What sources of information were available on winds and on water currents?*

Local wind and weather information was obtained through the web site www.wunderground.com. Stream flow information for Whatcom Creek is found in the OPL Geographic Response Plan Section 1.1.3. Information on tides, which affects the outflow from Whatcom Creek into Bellingham Bay, was provided by the Clean Sound Cooperative contact.

- *Was adequate information available on oil properties?*

A copy of the Material Safety Data Sheet (MSDS) for ARCO Unleaded Gasoline, which was the product released are contained herein. [See Attachment B]. A MSDS was on file at OPL, and appears to have been faxed to the Incident Command in Bellingham at 05:59 on the morning of 6/11/99.

- *Was this information useful (and used) for spill trajectory forecasts? Were such forecasts realistic?*

The weather information and the MSDS were not particularly useful in forecasting spill trajectory. The tide information was useful in determining when product would be predicted to flow from the creek into the harbor, but no free product ever made it to that location.

- *Was additional information needed relative to changes of oil properties with time (i.e. as a result of weathering and other processes)?*

No additional information was needed for tracking of the spill. Exposure to Benzene was considered a risk to personnel, and a copy of the applicable section from the Hazardous Substances Data Bank at www.tomescps.com was attached to the MSDS in the Incident Action Plan.

2. Mobilization.

- *What steps were taken to mobilize oil spill countermeasures?*

Key OPL personnel from Renton were flown to the City of Bellingham Incident Command Site by helicopter almost immediately. Equilon Response Team members were able to take a corporate jet directly to the Bellingham airport, and were on site within hours.

Personnel remaining at the Olympic Command Center in Renton dispatched personnel and resources as requested from the field. Olympic field personnel moved trailers with sorbent materials and boom to Bellingham from Renton and Allen Stations. Pockets of product in Whatcom Creek near Iowa St., and in the vaults at the City Water Treatment Plant were removed by vacuum truck the morning of June 11, 1999.

Clean Sound was contacted and was requested to deploy boom at the mouth of Whatcom Creek where the creek enters the harbor and Bellingham Bay. Clean Sound had a response vessel in the harbor and quickly installed the boom. Clean Sound also communicated with Coast Guard officials at the harbor.

- *What resources were used?*

Resources Summary documents for the periods of 17:00 6/10/99 to 24:00 6/10/99, 01:00 6/11/99 to 24:00 6/11/99, 01:00 6/12/99 to 24:00 6/12/99, and 01:00 6/13/99 to 24:00 6/13/99 taken from the 6/13/99 Incident Action Plan (IAP) are included herein. [See Attachment C].

- *Was mobilization prompt?*

Mobilization of management and resources began immediately.

- *Could it have been speeded up or should it have been?*

The fastest methods of transportation (helicopter and corporate jet) available were used to quickly integrate with agency personnel and commence the response.

- *What about mobilization of manpower resources?*

Cleanup manpower was not critical at the beginning of the response, but was readily available through ETI, Western Refinery Services, and Glacier Environmental. Critical manpower resources at the outset of the response were security personnel to prevent entrance into the burn area (provided by local police forces and Whatcom Security), fire fighting personnel (from the City of

Bellingham and forest crews from the Washington Department of Natural Resources), and search and rescue personnel (local government responders).

- *Was the local oil spill cooperative utilized appropriately?*

Clean Sound was used to defend the harbor and Bellingham Bay from product that might make its way down the creek that far. Clean Sound has a 42' spill response vessel, along with boom and other resources stationed at the harbor, therefore the response was immediate.

Clean Sound and MSRC management representatives were also used in the command center to provide expert information on response, clean up and disposal issues.

- *How could this be improved?*

No needs for improvement are known.

- *Was it appropriate to mobilize Olympic resources and was this promptly initiated?*

OPL personnel and response trailers from Renton and Allen Stations were immediately dispatched to the scene, and utilized for cleanup activities.

- *What other corporate resources are available and have they been identified and used adequately?*

Corporate response team members and technical experts on wildlife and remediation from Equilon in Houston, were utilized extensively. A safety representative from the Equilon refinery in Anacortes was also brought in for the duration of the response to help with site safety.

3. Response Strategy.

- *Is there an adequate spill response plan for the location?*

The Olympic OPA-90 spill response plan was used as the basis for response to this incident. The Table of Contents for this plan is contained herein. [See Attachment D]. Olympic also utilized its Northern Washington Geographic Response Plan (GRP), which contains specific response strategies for Whatcom Creek on page 1-44 through 1-46 (also included in Attachment D).

The Northwest Area GRP contains booming strategy B-31, on page 4-18, for booming off Whatcom Creek at the harbor mouth. This strategy was used with success by Clean Sound.

- *Is it flexible enough to cope with unexpected spill events?*

Yes, this plan is based upon a NIIMS- ICS organizational structure that has been adopted by the State of Washington, and is used in many different types of incidents. This ICS structure is used because it does give flexibility to adapt to specifics of the event while standardizing on the command structure.

The Olympic GRP contains 5 booming strategies that can be used depending on the situation. They include strategies for response on the fast flowing creek upstream, a strategy for booming in slow deep water, two strategies in the tidal influenced zone, and the strategy for booming where the creek enters the harbor. This GRP also has a specific discussion on the hazards of response to a Gasoline spill on page 1-45.

- *Does the plan include clear understanding of local environmental sensitivities?*

The GRP has a listing of socioeconomic resources specific to Whatcom Creek on page 1-46, and has local area wildlife protection information available in Section 1.2

- *What was the initial strategy for response to this spill?*

Once the leak was known, the operations controllers began isolating the leak by closing in valves on the system. Notifications to agencies and responders also began immediately.

Since this was a gasoline spill that had ignited, protection of life was the primary concern. Of primary concern was to isolate the site with security resources, then when safe perform search and rescue within the site.

Another focus of the initial response was to track downstream impacts, and secure the mouth of the creek at the harbor with boom.

- *Is this strategy defined within the spill response plan?*

These strategies are found in the Olympic Response Plan Section 6.0 and GRP pages 1-44 through 1-46.

The strategy for securing the creek at the harbor mouth can also be found in Northwest Area GRP B-31

- *How did the strategy evolve throughout the spill and how were these changes implemented?*

Major response activities that followed the initial response included:

- 1) Mop-up of remaining product in the creeks and in vaults at the water treatment plant using sorbents and vacuum trucks.
 - 2) Assess contamination remaining in soils along creek shorelines and at the water treatment plant.
 - 3) Direct excavation of contaminated soils in Hannah Creek and at the water treatment plant.
 - 4) Flushing and sediment washing in Whatcom Creek.
 - 5) Containment and control of contaminated water movement toward Whatcom Creek by installing vertical recovery and monitoring wells, and a horizontal interception well.
 - 6) Vapor extraction and thermal incineration of vapor from remediation system wells.
- *What caused such changes?*

The Unified Command guided the progression of activities, with Olympic acting to implement the work as the Responsible Party (RP).

Experts in the various remediation techniques were hired by Olympic to perform field assessments, prepare plans, secure input from government agencies, and follow implementation.

- *Are there improvements needed? More training?*

The response was very successful, and no improvements or training are recommended as lessons learned from this response. Dick Logan, chairman of the states Natural Resources Damage Assessment Committee, told the Bellingham Herald on July 13, 1999 that cooperation between Olympic and the joint committee of local tribal, state and federal officials was the best he has seen in the 10-year history of the committee. On September 7, 1999 the Herald called for "a standing ovation ... for the team of environmental experts who have, in just a few months, turned a contaminated disaster area back into a recovering wildlife habitat."

4. Response Resources.

- *What resources were mobilized?*

Initial response resources included a helicopter, Spill Trailer with equipment taken from the Olympic Renton and Allen Stations, Clean Sound, the Equilon Regional Response Team, local fire and police responders, and several spill cleanup & consulting contractors. **Attachment C** also contains listings from the Initial Action Plans of resources on-scene for the first 3 days of the response.

- *How were they mobilized?*

Calls were made from the command center in Renton early in the response, then when the Bellingham command center at the County building was set up a logistics team was formed at that location.

- *How did resource utilization change with time? Why?*

The initial response utilized public emergency responders to control the site, contain the fire, and perform search and rescue. Olympic took over security and site control responsibilities when the emergency conditions were abated, and transitioned from an emergency response to a cleanup effort.

- *Were resources used effectively?*

The Unified Command was established very quickly, and direction from the Unified Command on resource use was very effective through use of Incident Action Plans.

➤ *Contractors*

Contractors were used extensively for repairs, clean up activities, health and safety, and security. They were effective in bringing the required expertise to the activity.

➤ *Governmental agencies*

Government agencies were effective in the initial emergency response. The fire fighting, and tree cutting crew provided by Washington State DNR was extremely effective in controlling the fire in the early hours of the response.

➤ *Company resources*

Company resources were effective in organizing the spill response, initial creek cleanup activities, planning, cost control, and engineering of repairs and cleanup systems.

➤ *Cooperatives*

Clean Sound responded quickly to the request to boom the creek at the harbor. Clean Sound and MSRC were very useful to the Planning Group in consulting on cleanup issues.

➤ *Volunteers*

Volunteers were used to help remove debris downstream of the burn area prior to creek flushing, and to weed stream banks allowing native vegetation to better propagate.

➤ *Consultants*

Some of the consultants used effectively during this response and cleanup were:

- Interfluve – Creek restoration and cleanup;
- GeoEngineers – Remediation systems design, including the horizontal interception well;
- Dames & Moore – Waste disposal and quantification
- ESIS – Accounting

• *What changes would have been useful?*

Better accounting and cost control for City government resources. Very little backup documentation was available from the City for everything except Public Works.

• *Do we have adequate knowledge of resource availability?*

All resource needs were met in a timely manner.

5. Response Effectiveness.

- *Was containment effective and prompt?*

Most of the Gasoline was consumed in the fire.

The boom provided by Clean Sound was effective in that by getting it installed immediately, and having no free product reach that site, we are sure that no free product reached the harbor and Bellingham Bay.

The vertical and horizontal interception wells effectively stopped product migration toward the creek.

- *How could it have been improved?*

No improvement needs in this area are known.

- *Should the location or local cooperative have additional resources for containment?*

Clean Sound resources were already stationed in the harbor, and met the needs immediately. Other containment resources were readily available through Clean Sound, MSRC, Contractors in the area, Transmountain Pipeline Co., and in Olympic spill trailers.

- *Was recovery effective and prompt?*

Most of the Gasoline product was consumed in the fire.

Clean up activities and creek flushing occurred quickly and effectively enough to allow normal Salmon migration into Whatcom Creek to take place in the fall.

- *How could it have been improved?*

No improvement needs in this area are known.

- *Should the location or local cooperative have additional resources for recovery of spilled oil?*

. Additional resources would not have improved the response in this case.

6. Command Structure.

- *Who was initially in charge of spill response?*

Frank Hopf, Vice President and Manager of Olympic Pipe Line Company, was the initial incident commander for Olympic. Bruce Johnson of the Equilon Regional Response Team took over when he arrived.

The initial Federal On-scene commander was Thor Cutler of the EPA, and the State On-scene Commander was Paul O'Brian of DOE.

- *What sort of organization was initially set up?*

A command center for Olympic was initially set up at the Olympic Renton office to handle notifications and initial response activities. As soon as a helicopter could be obtained, Frank Hopf and several key Olympic personnel flew by helicopter to the City command center in Bellingham, where they integrated into a Unified Command with Government response agencies.

- *How did this change with time? Why?*

By June 13 the organization was well developed into a clean up response team, organized in a NIIMS ICS format consistent with Olympic's response plan organization. An organization chart for June 13, 1999 taken from the Incident Action Plan is included herein. [See Attachment E].

- *What changes would have been useful?*

The organization was appropriate for the response.

- *Was there adequate surveillance?*

Yes, Section Chiefs were able to control their areas closely, and report conditions back to the Unified Command twice daily at the morning planning meeting, and afternoon operations briefing.

- *Should there be any changes?*

No changes are recommended.

- *Were communications adequate?*

Use of Nextel Unicator radio/phones worked well at this location for field communications. Communications with the command center were difficult because the command center was in the basement of the County building where the Nextel phone signals could not penetrate. The command center had phones, but it was difficult for incoming callers to reach the person they were looking for.

- *What improvements are needed (i.e. hardware, procedures, etc.)?*

Phone system improvements in the control center such as a central telephone operator with intercom paging or immediate message delivery ability.

- *Was support from financial services adequate? Prompt?*

Financial support was slow in getting set up due to lack of personnel with accounting systems knowledge. A contract accounting support firm (ESIS), with expertise in setting up accounting systems for insurance carriers in disaster situations was brought in on June 17, 1999, and provided excellent financial tracking and payment services.

- *Should there be any changes?*

Bring ESIS or a similar company in right away.

More OPL input on invoice coding (to appropriate job accounts) would make financial reports more meaningful.

- *Is more planning needed?*

ESIS' existing system worked well.

- *Should financial procedures be developed to handle such incidents?*

Guidance on account breakdown that is meaningful to, and required by, insurance providers would be helpful in setting up accounts. Example: Property and Casualty losses are paid by different insurers; therefore the accounting system should be set up to track accordingly.

7. Measurement.

- *Was there adequate measurement or estimation of the volume of oil spilled?*

The initial worst-case spill estimate of 6,598 BBLs was made at 5:30 p.m. on June 10, 1999. A copy of this estimate can be found in Attachment A .

The final loss calculation (also in Attachment A), made after measuring the remaining product displaced from the line, showed a total release of 5,638 had occurred.

- *Was there adequate measurement or estimation of the volume of oil recovered?*

Dames and Moore was contracted to provide documentation of all product recovered, both in liquid and in earth excavated from the site. A copy of the Dames and Moore detail tracking spreadsheet is contained herein. [See Attachment F]. This spreadsheet shows that as of October 7, 1999, a total of 16,717 gallons of gasoline were recovered.

- *Should better measurement procedures be developed for either phase of operations?*

Measurements were detailed and thorough. No additional procedures are recommended.

- *If so, what would be appropriate and acceptable?*

Not applicable.

8. Governmental Relations.

- *What are the roles and effects of the various governmental agencies involved?*

- U.S. EPA – Federal On-scene Commander, acting under authority of the National Contingency Plan.
- Washington State Department of Ecology – State On-scene Commander, represents State and Local agencies. Enforces State requirements for spill response and cleanup criteria.
- City of Bellingham Fire Department – Local lead agency for emergency response.

- Whatcom County Emergency Management – County wide emergency planning and preparedness.
- U.S. DOT OPS / NTSB – Agencies performing accident investigations.
- *Was there a single focal point among the governmental agencies for contact?*

A single individual was designated as the FOSC or SOSC at any given time. The extent of this response required that several individuals share the role to allow for relief and other agency work to continue. Transitions between individuals did not cause any undue difficulties.

- *Should there have been better focus of communications to the agencies?*

Communications with the agencies was not a problem. The centralized command center, with all of the Unified Command personnel in one place allowed for good communications.

- *Were governmental agencies adequately informed at all stages?*

Very detailed Incident Action Plans were prepared and approved by each of the government agency representatives daily. Planning meetings, where the Section Chiefs present job status and propose activities for the next day, were held daily with the government agency representatives in attendance.

- *Were too many agencies involved?*

There did not seem to be any unnecessary agency involvement.

- *Are any changes needed in procedures to manage governmental relations?*

Using the NIIMS ICS structure allowed the response to be executed smoothly, with everyone knowing what to expect from each position. No changes are recommended.

- *Was there adequate agreement with the governmental agencies on criteria for cleanup?*

The FOSC declared that the Federal clean up criteria had been met at the appropriated time. The State DOE has mandated a very strict cleanup standard (MOTCA Level A) which Olympic has yet to agree is appropriate for ending Insitu Remediation (Vapor Extraction and Groundwater Treatment) at the water treatment plant. Also, the Groundwater Treatment System, which discharges to the City sewage treatment system, must treat the water to drinking water standards before discharge per the DOE permit.

- *How was this agreement developed?*

The State DOE criteria have not been agreed to. Clean up efforts are ongoing and expected to continue for several years.

- *Should there be advance planning of criteria for cleanup aimed at specific local environmentally sensitive areas?*

State law sets cleanup standards based upon criteria that include proximity to environmentally sensitive areas. Review and potentially a challenge of these State criteria with respect to practical cleanup levels for current technology may be required in order to achieve completion of cleanup.

Attachment 2A. Calculations for Product Loss, OPL-Renton Command

OPL
Bellingham, WA
June 10, 1999
DCA99-MP008

4/10/99 Thursday 1730 Reston Command

Calculations for Product loss Maximum

Product Area - Gasoline (53) Unleaded Regular

- Operations Controller pumped from restart to shutdown
1890 bbls.

- Hill N. of Whatcom Creek to Whatcom Creek

Approx $7,500' \div 5280 = 1.42$ miles $\times 1212$ bbls/mi = 1722 bbls.

- Whatcom Creek to S. Hill

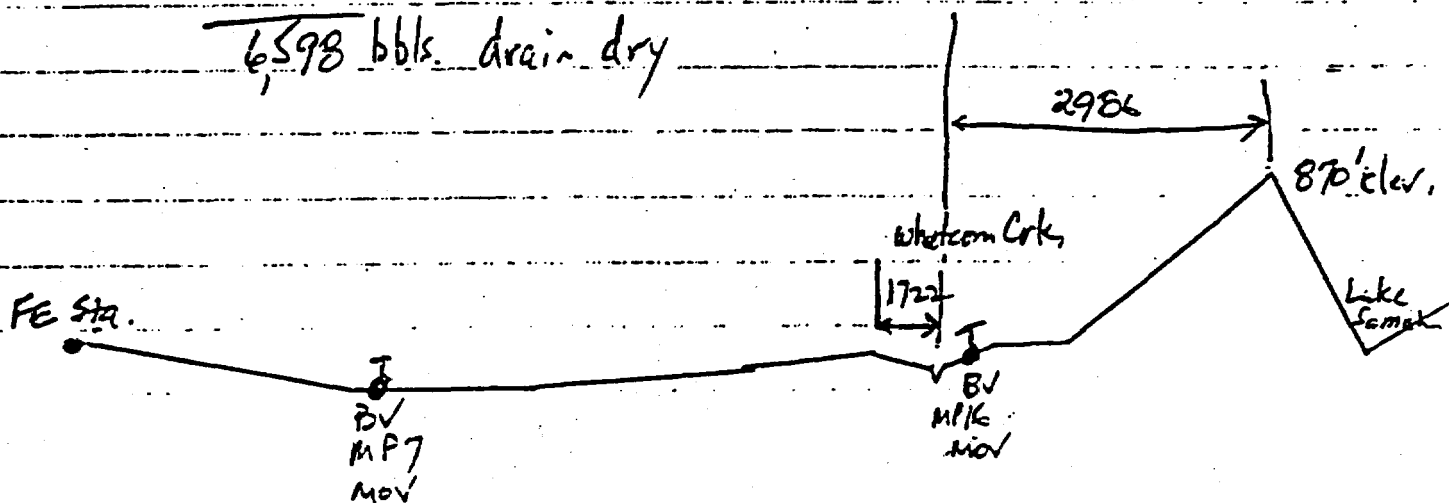
Approx. $13,000' \div 5280 = 2.462$ miles $\times 1212$ bbls/mi = 2986 bbls.

1890 pumped

1722 N. drain

2986 S. drain

6,598 bbls. drain dry



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Attachment 2B. Special Patrol Report, Hillcrest Aviation

OPL
Bellingham, WA
June 10, 1999
DCA99-MP008

SPECIAL PATROL REPORT

Patrol No. # 030-99

Sheet No. 1 of 1

To: OLYMPIC PIPE LINE COMPANY

Date: 6-10-99

Time: Departed BAYVIEW STATION 1713

Nature and location of report items between Stations:

AFTER A REGULAR NORTHERN ROUTE AERIAL PATROL, COMPLETED AT THE BAYVIEW STATION, I TURNED AND SAW A BIG COLUMN OF SMOKE AND FIRE TO THE NORTH. I THEN RADIOED THE BELLINGHAM TOWER AND THE CONTROLLER TOLD ME A PIPELINE HAD EXPLODED NEAR THEM I INFORMED THE TOWER THAT I WAS RETURNING TO CHECK THE OLYMPIC PIPELINE IN THAT AREA.

I ARRIVED TO THE MILE POST 16 AREA AT 1728 FOR INITIAL OBSERVATION AND CONFIRMED THAT IT WAS ON THE OLYMPIC PIPELINE. I CALLED THE OLYMPIC EMERGENCY DISPATCH TO INFORM THEM I WAS AT THE SITE. I REQUESTED THE BELLINGHAM TOWER TO KEEP ALL AIRCRAFT CLEAR OF THE AREA.

I THAN CIRCLED THE AREA FOR 15 TO 20 MINUTES BUT WAS UNABLE TO SEE THE RIGHT-OF-WAY AT THIS TIME DUE TO HEAVY SMOKE IN THAT AREA OF MILE POST 16. THERE WAS EMERGENCY VEHICLES STANDING BY BUT IT LOOKED LIKE THEY WERE UNABLE TO GET CLOSE TO THE RIGHT-OF-WAY DUE TO THE INTENSE FIRE.

AFTER LANDING AT THE BELLINGHAM AIRPORT I CALLED OLYMPIC PIPELINE EMERGENCY DISPATCH AGAIN TO REPORT WHAT I HAD SEEN OVER THE SITE. I THAN DEPARTED THE BELLINGHAM AIRPORT AND RETURNED TO MILE POST 16 FOR A FINAL CHECK OF THE AREA.

I HAD RADIO CONTACT WITH THE HELICOPTER ENROUTE WITH OLYMPIC PIPELINE PERSONNEL ABOARD AND INFORMED THEM I WAS LEAVING THE SITE. TALKED TO BELLINGHAM TOWER CONTROLLER AND TOLD HIM THAT I WAS OUT OF THE AREA AT 1815.


Observer
HILLCREST AVIATION

OPL 1131977

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**Attachment 2C. 23 August 1999 Letter RJ Klassen re: Recap of Displacement
Activities at Ferndale Station to Bayview Product Terminal**

OPL
Bellingham, WA
June 10, 1999
DCA99-MP008



Olympic Pipe Line Company
 2319 Lind Ave. S.W.
 P.O. Box 1800
 Renton, WA. 98057-1800
 (425) 235-7736

INTERNAL USE ONLY

RECEIVED
 AUG 26 1999
 BY:

23 August, 1999

To: R.J. Klasen

**Recap
 Ferndale Station to Bayview Products Terminal
 16" pipeline displacement activities**

Note: All product displaced during below mentioned activities is sub-octane gasoline - ≤8.8 psi RVP

Date	Project	BBLS	Gallons
July 18, 1999	MP 16 to Ferndale - Nitrogen pushback	19217 (Arco CP tank handline gauge)	807114
July 18, 1999	MP 16 to MP 28 nitrogen pushout	11804 - Seattle DF net meter	495768
August 18, 1999	MP 28 to Bayview Products Terminal	13305 - Seattle DF net meter	558810
		Total displaced net bbls with nitrogen - 44326	Total gallons - 1,861,692

June 10, 1999
Linefill from Ferndale to BPT 48072
 July 18, 1999
 Pushout to MP 28
 Pushback FE 31021
 August 18, 1999
 Pushout to BPT 13305
 Total pushout 44326
Attempted re-pressure 1892
 Total loss projection 5638 bbls
 238796 gallons

The preceding barrel calculations are based upon control center records for the activities shown. They are based upon verbal and written documentation to the operations control center by OPL field personnel and refinery personnel.

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 *** TOTAL PAGE 01 ***

Attachment 2D. -- Materials Safety Data Sheet: ARCO Unleaded Gasoline

OPL
Bellingham, WA
June 10, 1999
DCA99-MP008

MATERIAL SAFETY DATA SHEET

Attachment F



ARCO UNLEADED GASOLINE

MSDS No. APPC306 Ver. 5
Rev. Date 06/24/1998

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers, and users of this product.

1. PRODUCT and COMPANY IDENTIFICATION

Material Identity	ARCO Unleaded Gasoline	
Trade Name(s)	ARCO Unleaded Gasoline	
Other Name(s)	ARCO Clear Gasoline, Unleaded Motor Vehicle Gasoline, Unleaded Regular Gasoline, or Petrol	
Chemical Description	Petroleum Hydrocarbons	
Manufacturer's Address	ARCO Products Company Division of Atlantic Richfield Company 333 South Hope Street Los Angeles, California 90071	
Telephone Numbers	Emergency 800-424-9300 CHEMTREC	Customer Service 800-322-2726 Info Only

2. COMPONENTS and EXPOSURE LIMITS

Component ¹	CAS No.	% Composition By Volume ²	ACGIH TLV	OSHA PEL ³	Exposure Limits		Units	Type
					ARCO EL	N/A		
GASOLINE (2)(4)	8006-61-9	EQ 100	500 300	500 300	N/AP N/AP	ppm ppm		STEL TWA
which contains:								
BENZENE (1)(2)(3)	71-43-2	AP 1 to 5	2.5 0.5	5 1	N/AP 1	ppm ppm		STEL TWA
CYCLOHEXANE	110-82-7	LT 2	300	300	N/AP	ppm		TWA
ETHYLBENZENE	100-41-4	AP 1 to 3	125 100	125 100	N/AP N/AP	ppm ppm		STEL TWA
HEXANE (N-HEXANE)	110-54-3	AP 2 to 5	50	50	N/AP	ppm		TWA
TOLUENE	108-88-3	AP 7 to 14	N/AP 50	150 100	N/AP N/AP	ppm ppm		STEL TWA
TRIMETHYL BENZENE (ALL ISOMERS)	25551-13-7	LT 5	25	25	N/AP	ppm		TWA
1,2,4-TRIMETHYLBENZENE	95-63-6	AP 1 to 4	25	25	N/AP	ppm		TWA
2,2,4 TRIMETHYLPENTANE	540-84-1	AP 3 to 10	N/AP	N/AP	N/AP			OPL 1131980
XYLENE	1330-20-7	AP 8 to 15	150 100	150 100	N/AP N/AP	ppm ppm		STEL TWA

25

ARCO UNLEADED GASOLINE

MSDS NO APPC306 Ver. 5

which may contain:

ETHANOL	64-17-5	AP	0 to 10	1000	1000	N/AP	ppm	TWA
METHYL TERTIARY BUTYL ETHER (MTBE)	1634-04-4	AP	0 to 15	40	N/AP	N/AP	ppm	TWA

¹ CAS number displayed after Component Name. Listed by ⁽¹⁾ NTP, ⁽²⁾ IARC, ⁽³⁾ OSHA, ⁽⁴⁾ Other.

² See Abbreviations on last page.

³ The OSHA exposure limits were changed in 1993 due to a federal court ruling. ARCO has chosen to list the 1989 OSHA exposure limits in this document as they are generally more stringent and therefore more protective than the current exposure limits. (Refer to 29 CFR 1910.1000)

3. HAZARD IDENTIFICATION

IMMEDIATE HAZARDS

DANGER

HIGHLY FLAMMABLE! OSHA/NFPA Class IB flammable liquid. Keep away from heat, sparks, and open flame.

Never siphon gas by mouth. Harmful if swallowed. Contains petroleum distillates. If swallowed, do not induce vomiting since aspiration into the lungs may cause chemical pneumonia. Obtain prompt medical attention.

Prolonged or repeated liquid contact may cause irritation. High vapor concentrations (greater than 1000 ppm) may cause irritation to eyes and respiratory system and may cause dizziness and other nervous system effects.

Generally, human exposures to gasoline are considerably lower than levels which have caused adverse health effects in animal studies or human case studies of gasoline misuse or abuse (such as gasoline sniffing). Adverse health effects are not expected to occur at exposure levels typically encountered in the use of gasoline as a motor fuel.

Avoid breathing vapors or mists. Use only with adequate ventilation. Use as a motor fuel only. Do not use as a cleaning solvent, thinner or for other non-motor fuel use.

ACUTE HEALTH HAZARDS

Routes of Exposure

Signs and Symptoms

Inhalation (Primary)	High concentrations (greater than 1000 ppm) of vapors or mists from this material can cause irritation of the nose, throat, and lungs, headache, dizziness, drowsiness, loss of coordination, fatigue, nausea and labored breathing.
Eye Contact	May cause some transitory eye irritation but not expected to cause prolonged or significant eye irritation.
Skin Contact	High concentrations (greater than 1000 ppm) of vapors or mists from this material can cause irritation of the nose, throat, and lungs, headache, dizziness, drowsiness, loss of coordination, fatigue, nausea and labored breathing. (See Summary of Chronic Hazards.)
Ingestion	May cause irritation of the mouth, throat and gastrointestinal tract leading to nausea, vomiting, diarrhea, and restlessness. May cause headache, dizziness, drowsiness, loss of coordination, fatigue, nausea and labored breathing. ASPIRATION HAZARD: This material can enter the lungs during swallowing or vomiting and may cause lung inflammation and damage which in severe cases may be fatal.

Summary of Chronic Hazards and Special Health Effects

Personnel with preexisting central nervous system disease, skin disorders, or chronic respiratory diseases should be evaluated by an appropriate health professional before occupational exposure to this material.

Prolonged/repeated skin exposure, inhalation of high vapor concentrations or ingestion of this material may result in adverse dermal or systemic effects. Avoid prolonged or repeated exposure or high vapor concentrations.

Contains benzene, a chemical known to cause cancer in humans. Repeated and prolonged exposure to benzene vapors may cause leukemia, aplastic anemia, or other blood disorders, immunotoxicity, reproductive harm or fetal toxicity.

Generally, human exposures to gasoline are considerably lower than levels which have caused adverse health effects in animal studies or human case studies of gasoline misuse or abuse (such as gasoline sniffing). Adverse health effects are not expected to occur at exposure levels typically encountered in the use of gasoline as a motor fuel.

See Section 11 for Additional Toxicological Information

4. EMERGENCY and FIRST AID

Inhalation	Immediately move personnel to area with fresh air. For respiratory distress, give oxygen, rescue breathing or administer CPR (cardiopulmonary resuscitation). Obtain prompt medical attention.
Eye Contact	Flush clean low-pressure water for at least 15 minutes, occasionally lifting the eyelids. If pain or redness is present after flushing, obtain medical attention.
Skin Contact	Immediately remove contaminated clothing. Wash affected skin thoroughly with soap and water. If irritation persists, obtain medical attention.
Ingestion	Do not induce vomiting. Obtain prompt medical attention. ASPIRATION HAZARD: This material can enter the lungs during swallowing or vomiting and may cause lung inflammation and damage.

Emergency Medical Treatment Procedures See above procedures.

5. FIRE and EXPLOSION

Flash Point (Method)*	AP -45°F (D-56)	NFPA Hazard Rating: Health: 1 = Slight Fire: 3 = High Reactivity: 0 = Insignificant Special: = —
Autoignition Temperature (Method)*	GT 600°F (E-659)	
Flammable Limits (% Vol. in Air)*	Lower AP 1.4	
	Upper AP 7.6	

*At Normal Atmospheric Temperature and Pressure

Fire and Explosion Hazards HIGHLY FLAMMABLE! Vaporizes easily at normal and below normal temperatures. When mixed with air in certain proportions and exposed to an ignition source, these vapors can burn in the open or explode in confined spaces. Being heavier than air, flammable vapors may travel long distances along the ground before reaching a point of ignition and flashing back.

May accumulate static electricity.

Liquid floats on water and may travel to a source of ignition and spread fire.

"Empty" containers retain liquid and vapor residues and, if exposed to source of ignition, may explode.

For determining National Electrical Code (NEC) Hazardous (classified) location requirements for electrical installations, consider this material Class 1, Group D.

Extinguishing Media Foam, Water fog, CO₂, Dry chemical
Consult foam manufacturer for appropriate media, application rates and water/foam ratios. Water and water spray may cool the fire but may not extinguish the fire.

Special Firefighting Procedures For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies. If firefighters cannot work upwind to the fire, respiratory protective equipment must be worn. Cool tanks and containers exposed to fire with water.

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6. ACCIDENTAL RELEASE MEASURES

Precautions if Material is Spilled or Released

Eliminate all potential sources of ignition. Handling equipment and tools should be grounded to prevent sparking. Contain spill, evacuate non-essential personnel, and safely stop flow. Blanket spill with foam or use water fog to reduce vapor cloud. On hard surfaces, spilled material may create a slipping hazard. Equip cleanup crews with proper protective equipment (as specified in Section 8) and advise of hazards. Clean up by recovering as much spilled or contaminated materials as possible and placing into closed containers. Consult with an environmental professional for the federal, state and local cleanup and reporting requirements for spills and releases.

7. HANDLING and STORAGE

Handling, Storage and Decontamination Procedures

Store and transport in accordance with all applicable laws. **KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME!** Store separate from oxidizing materials. Keep containers closed, plainly labeled, and out of closed vehicles. Containers should be able to withstand pressures expected from warming or cooling in storage. Store in cool (80°F or below) well-ventilated location. All electrical equipment in storage and/or handling areas should be installed in accordance with applicable requirements of the National Electrical Code (NEC).

Avoid contact with skin. Avoid inhalation of vapors or mists. Use in a well-ventilated area away from all ignition sources.

Ground and bond containers when pouring/conveying/transferring material.

"Empty" containers retain liquid and vapor residues and can be dangerous. Do not pressurize, cut, weld, drill, grind or expose to heat, flame, sparks, static electricity, or other sources of ignition, containers with ANY residue; they may explode and cause injury or death.

KEEP OUT OF REACH OF CHILDREN!

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Where possible, use adequate ventilation to keep vapor and mist concentrations of this material below the occupational exposure limits shown in Section 2. Use explosion proof ventilation equipment. Electrical equipment should comply with National Electrical Code (NEC) standards (see Section 5, Fire and Explosion).

Respiratory

A NIOSH/MSHA-approved air-purifying respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations may exceed the exposure limits in Section 2.

NOTE: The protection provided by air-purifying respirators is limited. Use a positive pressure air-supplied respirator if there is any potential for an uncontrolled release, if exposure levels are not known, or if concentrations exceed the protection limits of the air-purifying respirator. Consult a health and safety professional for guidance in respirator selection. Respirator use should comply with OSHA 29 CFR 1910.134.

Eyes

Eye protection should be worn. If there is potential for splashing or spraying, chemical protective goggles and/or a face shield should be worn. If contact lenses are worn, consult an eye specialist or a safety professional for additional precautions. Suitable eye wash water should be available in case of eye contact with this material.

Skin

Avoid prolonged and/or repeated skin contact. If conditions or frequency of use make significant contact likely, clean and impervious clothing such as gloves, apron, boots and facial protection should be worn.

Nitrile or Viton protective clothing material is recommended.

Non-impervious clothing which accidentally becomes contaminated with this material should be removed promptly and not reworn until the clothing is washed thoroughly and the contamination is effectively removed. Discard soaked leather goods.

Other Hygienic and Work Practices

Use good personal hygiene practices. In case of skin contact, wash with mild soap and water or a waterless hand cleaner. Wash hands and other exposed areas thoroughly before eating, drinking, smoking, or using toilet facilities.

9. PHYSICAL and CHEMICAL PROPERTIES

Boiling Point:	AP 35° to 437°F
Viscosity Units, Temp. (Method):	N/AP
Dry Point:	AP 430°F
Freezing Point:	N/AP
Vapor Pressure, Temp. (Method):	AP 5 to 15 at 100°F (REID-PSIA)
Volatile Characteristics:	Appreciable
Specific Gravity (H₂O = 1 @ 39.2°F):	AP 0.7 to 0.8
Vapor Sp. Gr. (Air = 1.0 @ 60°F - 90°F):	AP 4
Solubility in Water:	Slight
PH:	N/AP
Appearance and Odor:	Colorless to straw-colored liquid; petroleum naphtha odor.
Other Physical and Chemical Properties:	Water in contact with oxygenated gasoline can contain up to 80% oxygenate and hydrocarbon materials. Vapor pressure will vary seasonally in compliance with industry standards and federal and state regulations.

10. STABILITY and REACTIVITY

Stability	Stable
Hazardous Polymerization	Not expected to occur.
Other Chemical Reactivity	Reacts with oxidizing materials.

Conditions to Avoid	Heat, sparks, and open flame, and build up of static electricity.
Materials to Avoid	Halogens, strong acids, alkalis and oxidizers.
Hazardous or Decomposition Products	Burning or excessive heating may produce carbon monoxide and other harmful gases/vapors including oxides and/or other compounds of sulfur. The inhalation of components of exhaust from combusted fuel can be fatal in high concentrations in an enclosed area. Exposure to exhaust from this fuel should be minimized.

11. TOXICOLOGICAL INFORMATION

Toxicological Information	The information found in this section is written for medical, toxicology, occupational health and safety professionals. This section provides technical information on the toxicity testing of this or similar materials or its components. If clarification of the technical content is needed, consult a professional in the areas of expertise listed above.
Inhalation	Toxicity studies on this material resulted in LC50 values greater than 5.2 mg/l indicating a low potency.

Eye Contact	Minimal to no irritation in animal studies.
Skin Contact	Animal studies resulted in moderate skin irritation following short term or prolonged/repeated exposure. The acute dermal toxicity tests indicate LD50 values greater than 2.0 g/kg indicating a low potency. Exposure to sunlight does not increase skin irritation. This material appears to be non-sensitizing.
Ingestion	The acute oral toxicity tests produced LD50 values greater than 5 g/kg indicating a low potency. There were signs of gastrointestinal tract irritation and central nervous system depression.

**Prolonged/
Repeated
Exposures**

Twenty eight day dermal toxicity studies resulted in moderate skin irritation, increased liver weights and increased SGOT but no significant systemic tissue changes characteristic of disease. Ninety day dermal toxicity studies resulted in moderate skin irritation and no other significant observations or systemic tissue changes characteristic of disease. Twenty eight day inhalation toxicity study resulted in kidney damage in male rats.

A two-year inhalation study with a generic unleaded gasoline formulated by the American Petroleum Institute caused kidney damage and kidney tumors in male rats and liver tumors in female mice. These effects are considered specific to these laboratory animals and not applicable to humans.

Contains benzene, a chemical known to cause cancer in humans. Repeated and prolonged exposure to benzene vapors may cause adverse effects on the central nervous system, diseases of the blood forming organs, such as leukemia, and adverse effects on the immune system. In animal studies and in workers with chronic benzene poisoning, alterations in structure of chromosomes in bone marrow and white blood cells have been observed. Studies with laboratory animals indicate that exposure to high levels of benzene vapor may cause reproductive effects and adverse effects on offspring of pregnant animals. Exposure to other components of gasoline such as benzene, toluene, xylene, ethylbenzene, trimethylbenzene, and N-hexane have also been shown to affect reproductive capacity and/or fetal development in laboratory animals. The exact relationship between these effects and humans is not known. Exposure to N-hexane at concentrations considerably higher than the current permissible exposure limit has reportedly been associated with peripheral neuropathy. Studies with laboratory animals (dogs) indicate that exposure to extremely high concentrations of gasoline (greater than 50,000 ppm) may cause irregular heartbeats and sudden death.

**Additional
MTBE Toxicity
Information**

MTBE at very high exposure levels (8000 ppm) did include developmental toxicity in mice, but only at levels where there was also maternal toxicity. In rabbits exposed to the same MTBE levels, there were no indicators of any effects on the offspring, even in the presence of maternal toxicity. The abnormal findings in the mice (cleft palate, etc.) are well-recognized effects of stress in the pregnant mouse and have no correlation with development hazards in humans.

Chronic toxicity studies have been completed for MTBE. In these studies B6C3F1 mice and F344 rats were exposed to 400, 3000, or 8000 ppm MTBE vapors, 6 hrs/day, 5 days/week for life. Few adverse effects were noted for either rats or mice.

Male and female mice exposed to 8000 ppm MTBE vapors developed a slightly higher incidence of benign liver tumors during their lifetime. No other adverse effects or increases in tumor incidences were found.

Male and female rats exposed to high concentrations of MTBE vapors developed an increasing incidence of chronic progressive kidney damage, an effect typically noted in aging rats. These effects were most severe in 3000 and 8000 ppm exposure groups and were accompanied by an increased incidence of kidney tumors (males only). These findings are consistent with kidney damage associated with accumulation of protein in cells, an effect which may be unique to the male rat. Benign testicular tumors were numerically increased in high dose MTBE male rats, but this is an age-related lesion which typically occurs in a very high proportion of control untreated rats.

MTBE does not appear to be a mutagen.

All of these effects either occur in tissues prone to the development of tumors or may occur by a mechanism not considered relevant to humans. The significance of these findings for human health hazards estimation is unclear.

12. ECOLOGICAL INFORMATION

Not Available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Maximize recovery for reuse or recycling. Consult environmental professional to determine if state or federal regulations would classify this material as a hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. Comply with all federal, state and local laws pertaining to waste management.

14. TRANSPORT INFORMATION

UN Proper Shipping Name	Gasoline
UN Hazard Class	3
UN Number	UN1203
UN Packing Group	PGII

15. REGULATORY INFORMATION

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III
Section 311/312 Hazard Categories:

Acute Health Hazard
 Delayed (Chronic) Health Hazard.
 Fire hazard

SECTION 313:

This product contains the following chemicals subject to the reporting requirements established by SARA Title III

BENZENE
 CYCLOHEXANE
 ETHYLBENZENE
 METHYL TERT-BUTYL ETHER
 TOLUENE
 XYLENE

TOXIC SUBSTANCES CONTROL ACT (TSCA)

All components of this product are listed on the TSCA Inventory.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA)

This material is covered by CERCLA's PETROLEUM EXEMPTION.
 (Refer to 40 CFR 307.14)

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 - PROPOSITION 65
PROP 65 WARNING LABEL:

Chemicals known to the State to cause cancer, birth defects, or other reproductive harm are found in gasoline, crude oil, and many other petroleum products and their vapors, or result from their use. Read and follow label directions and use care when handling or using all petroleum products.

WARNING:

This product contains the following chemical(s) listed by the state of California as known to cause cancer or birth defects or other reproductive harm.

BENZENE ^(C)_(R)
 TOLUENE ^(R)
 UNLEADED GASOLINE (WHOLLY VAPORIZED) ^(C)

Other Prop 65 chemicals may result from the use of this material. For example, burning fuels produces combustion products including carbon monoxide, a Prop 65 reproductive toxin. Further evaluation for Prop 65 compliance may be required when using this material.

- (C) = Carcinogen
- (R) = Birth Defects or other Reproductive Harm

16. OTHER INFORMATION

General Comments

Because of volatility characteristics, gasoline vapors may have concentrations of components very different from those of liquid gasoline. The major components of liquid gasoline vapor are: butane, isobutane, pentane and isopentane.

The information and conclusions herein reflect normal operating conditions and may be from sources other than direct test data on the mixture itself.

Abbreviations

EQ = Equal

LT = Less Than

GT = Greater Than

AP = Approximately

UK = Unknown

TR = Trace

N/P = No Applicable Information Found

N/A = Not Applicable

N/D = No Data Available

Disclaimer of Liability

The information in this MSDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.

Attachment 2E. Resources Summary: June 10 thru 13, 1999

OPL
Bellingham, WA
June 10, 1999
DCA99-MP008

7. Resources Summary 1700 6/10/99 - 2400 6/10/99

Resource(s) / Identifier	Quantity	ETA	On Scene √	Location / Assignment / Status
Clean Sound	1		X	42' SRV; 18' Skiff; pick up truck; 550' 5" sorbent boom;
ETI - Erik Hohman		0715	X	Crew and cleanup Eqpt
ETI (Environmental Trans.)	1	1930	X	Vac Truck
Classic Helicopters	2	1730	1830	Jet Ranger (4 passenger) A-Star (5 passenger)
Whatcom Security Services	4	2130	X	Provide site security services
Western Refinery Services	1	1920	X	Vac Truck - 82 bbl
Dana Carlisle-Geo Engrs	1	0800	X	Environmental Consulting Svcs
Jo Ann Hammick	1	1800	X	PR Svcs
Olympic Pipeline Co-employees	20	0700	X	OPLC employees at Renton Command Post
Snelson Company	3		X	Steve Massey, Doug Jensen, Charlie Bowers & misc cleanup material
Pat Patterson	1		X	Public Relations at Bellingham site
Olympic Pipeline Co-employees	9		X	OPLC-Employees at Bellingham
Glacier Environmental	30	2130	X	Crew of 30 + cleanup equipment
Whatcom Security Agency	6	2135	X	Security crew at rear leak site
ICS Fire Dept & OPLC			X	
EPA Start Personnel	5		X	

7. Resources Summary - 0100 6/11/99 - 2400 6/11/99

WA DOT	12	0100	X	12 - 12' jersey barriers;
Burns Security Int'l	2		X	Renton Command Post Security
Equiva Srvc Crisis Management Personnel	7	2001	X	Crisis Management Team-Bellingham Airport
Heritage Inn - Hotel Rms	9	0830	X	Hotel Rooms
Days Inn - Hotel Rms	9	0930	X	Hotel Rooms
Holiday Inn Express	2	2400	X	Hotel Rooms
Equiva Srvc Personnel	9		X	Crisis Management Personnel
EPA Personnel	6		X	Response Personnel
Clean Sound	1	Each	X	42' SRV; 18' Skiff; pick up truck; 550' 5" sorbent boom;
Clean Sound	5		X	People
DNR	38		X	Response Personnel

7. Resources Summary 0100 6/12/99 - 2400 6/12/99

Equiva Srvc Personnel	10		X	Crisis Management Personnel
EPA Personnel	6		X	Response Personnel
Clean Sound	1	each	X	42' SRV; 18' Skiff; pick up truck; 1100' 5" sorbent boom;
Clean Sound	5		X	People
Ramada Inn	4	Each	X	Hotel for Polaris Crew
DNR	39		X	Response Personnel
Holiday Inn Express	2	Each	X	
Days Inn	7	Each	X	

7. Resources Summary 0100 6/13/99 - 2400 6/13/99				
Equiva Srvc Personnel	9		X	Crisis Management Personnel
EPA Personnel	3		X	Response Personnel
DNR	16		X	Response Personnel
Clean Sound	1	each	X	42' SRV; 18' Skiff; pick up truck; 1100' 5" sorbent boom;
Clean Sound	2	Each	X	Standing down at 2:00 PM
Whatcom Security	25	Each	X	
Plemco	13	Each	X	Repair Personnel
Rehab Station (Area A&F) by Water Plant	1	Each	X	1 ambulance; 2 EMTs; 1 handwashing facility; drinking water
Rehab Station (Area B) by Woburn & Iowa	1	Each	X	2 EMTs; 1 handwashing station; drinking water
Rehab Station (Area B&C) by on Iowa behind Foley Motors	1	Each	X	2 EMTs; 1 handwashing station; drinking water
Safety Equipment-Sanderson			X	4 doz leather gloves; hard hats; 12 rolls red baracade tape; MSA smoke tubes w/ bulb & tube breaker (8 boxes); 12 orange vests; 19 packs of antibacterial wipes
Safety Equipment-Glacier			X	20 pr safety glasses; 45 sets tyvek; 70 dust masks; 72 pr PVC/nitrol gloves; 75 pr rain gear; 10 yellow hard hats

**Attachment 2F. Olympic Spill Response Plan: Table of Contents, Resources,
Strategies and Summary of Socioeconomic Resources**

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APPENDICES

Appendix A Worst Case Discharges

Appendix B Discharge Scenarios

Appendix C Olympic Environmental & Response Policy

Appendix D Olympic Public Relations Policy

Appendix E Spill Response Technical Guidelines

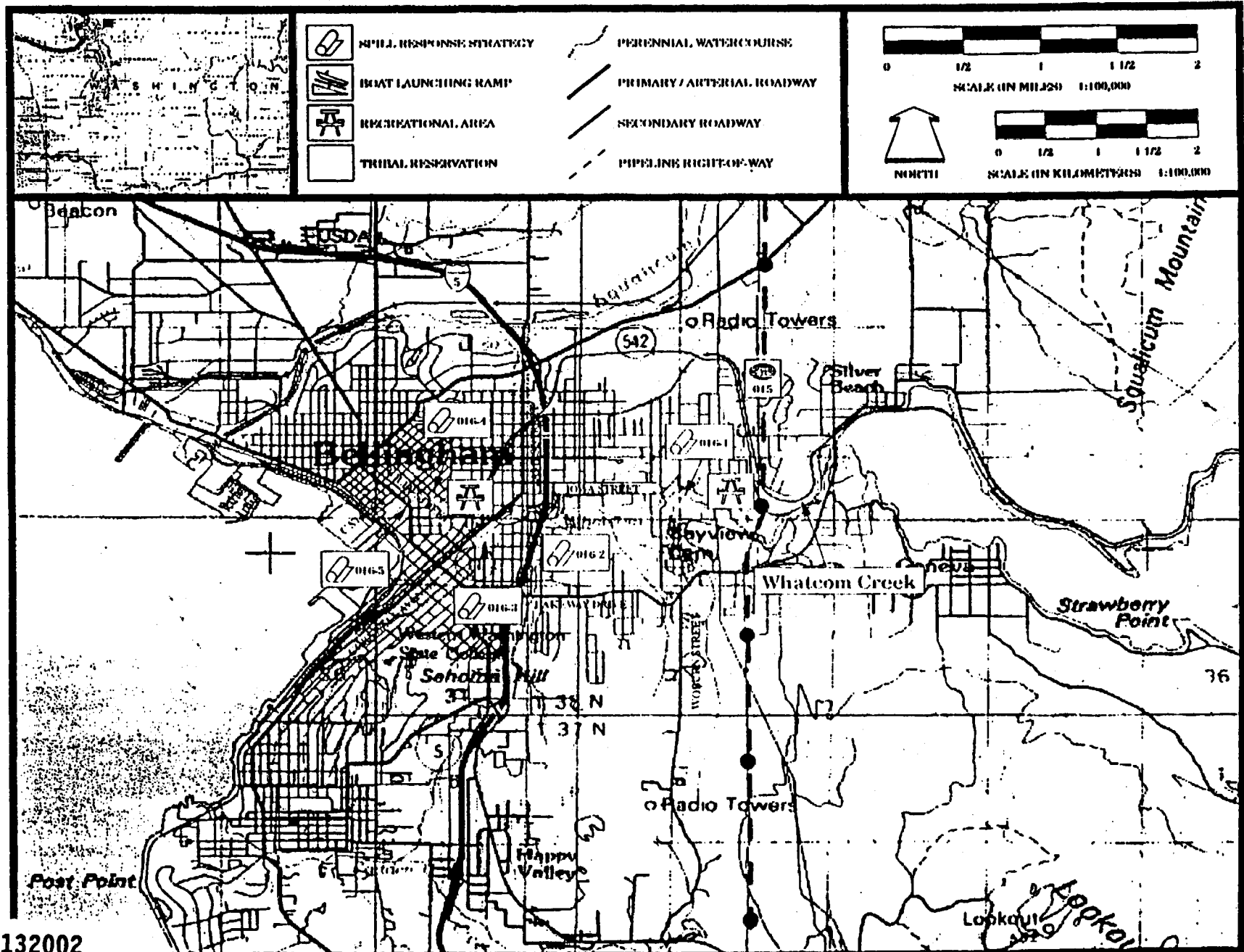
Appendix F Spill Drills & Exercise Requirements

Appendix G Pacific Northwest Resources & Logistics

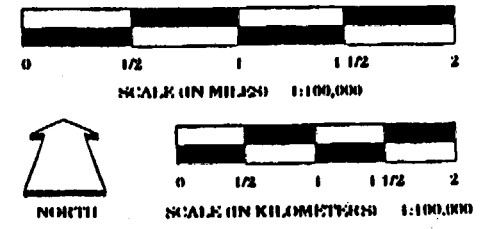
Appendix H Olympic Pipe Line Company Spill Response Team Job Descriptions

Appendix I Spill History

WHATCOM CREEK NOOKSACK RIVER DRAINAGE BASIN



- | | | | |
|--|-------------------------|--|--------------------------|
| | SPILL RESPONSE STRATEGY | | PERENNIAL WATERCOURSE |
| | BOAT LAUNCHING RAMP | | PRIMARY/ARTERIAL ROADWAY |
| | RECREATIONAL AREA | | SECONDARY ROADWAY |
| | TRIBAL RESERVATION | | PIPELINE RIGHT-OF-WAY |



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January 1996

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No. GRP

WHATCOM CREEK SPILL RESPONSE STRATEGIES

OPLCO Milepost	Name of Waterway	Strategy Location	Waterway Width	Waterway Velocity	Response Strategy	Length & Type of Boom	Strategy Implementation	Staging Area	Site Access	Additional Comments	Priority Number
016-1 16" ML	Whatcom Creek	I-5, Exit 253 east on Lakeway Dr., 1.1 miles turn left (N) on Woburn St., 0.7 miles to bridge crossing	42'	Fast	Boom, skim, & collect, prevent movement of product	100' River Collection Boom, 200' Absorbent Boom	Secure boom to bridge and anchor at mid-stream	Small area on east side of bridge	Good	Small 35 bbl tanker on riverside	
016-2 16" ML	Whatcom Creek	I-5, Exit 254 west on Iowa St., 0.1 miles turn left on James St., 0.7 miles to bridge crossing	50'	Fast	Boom, skim, & collect, prevent movement of product	100' River Collection Boom, 250' Absorbent Boom	Secure boom to bridge supports	Small parking area north and south of bridge	Good	Small footbridge east of James St.	
016-3 16" ML	Whatcom Creek	I-5, Exit 253 west on Lakeway Dr., 0.2 miles turn right on Holly St., 0.5 miles turn right on Cornwall Ave., 0.3 miles to bridge crossing	35'	Slow Deep Water	Boom, skim, & collect, prevent movement of product	75' River Collection Boom, 175' Absorbent Boom	Anchor boom and secure to bank	Large parking lot north and south of bridge	Good		
016-4 16" ML	Whatcom Creek	I-5, Exit 253 west on Lakeway Dr., 0.2 miles to Holly St., 0.9 miles to "C" St. and turn right, follow to end of street to Maritime Heritage Hatchery	400'	Tidal	Protect Hatchery Intake	400' of Deflection Boom	Secure boom upstream of hatchery	Parking lot at hatchery	Good	Hatchery phone number is (360)676-6494	
016-5 16" ML	Whatcom Creek	I-5, Exit 253 west on Lakeway Dr., 0.2 miles to Holly St., follow Holly St. 0.8 miles to bridge crossing	90'	Tidal	Boom, skim, and collect, prevent movement of product	200' deep water boom, 400' absorbent boom	Secure boom to bridge and anchor	Parking lot at hatchery	Good		

Past this point, refer to San Juan Islands/North Puget Sound GRP Strategy B-31.

Gasoline Products are extremely flammable. Containment of gasoline products may allow explosive concentrations to accumulate. The preferred response to a spill of a gasoline derivative is to (1) knock down vapors, (2) protect environmentally sensitive areas from contamination, and (3) allow evaporation to occur. DO NOT BOOM SPILLED MATERIAL IF THE FLASH POINT IS LESS THAN OR EQUAL TO 100 °F.

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May 1996

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WHATCOM CREEK WATERSHED

SOCIOECONOMIC RESOURCES

The following table identifies socioeconomic resources, within the Whatcom Creek Watershed, susceptible to the impacts of spilled petroleum products originating between OPL MP 014.5 and OPL MP 018. These potential impacts are presented in progression on the pipe line right-of-way and along Whatcom Creek in a downstream direction.

Name	Location	Proximity to Pipe Line	Telephone Number
Highland Heights Park	Alabama St.	On ROW at OPL MP 017	N/A
Whatcom Falls Park	Electric Ave.	On ROW at OPL MP 016	N/A
Whatcom Falls Trout Hatchery	Whatcom Falls Park	On ROW at OPL MP 016	(360)676-2138
Water Treatment Plant- City of Bellingham	Whatcom Falls Park	On ROW at OPL MP 016	N/A
Bayview Cemetery	2701 Lakeway Dr.	0.25 mile downstream of pipe line crossing	(360)676-6972
St. Clair Park	St. Clair St.	0.5 mile downstream of pipe line crossing	N/A
Cascade Natural Gas Corporation	1600 Iowa St.	1 mile downstream of pipe line crossing	(360)733-5980
Maritime Heritage Park & Salmon Hatchery	1600 C St.	2.25 miles downstream of pipe line crossing	(360)676-6494
Georgia Pacific Bellingham Division	300 West Laurel Rd.	2.5 miles downstream of pipe line crossing	(360)733-4410
Clearbrook Park	Lakeway Dr.	On ROW at OPL MP 017	N/A

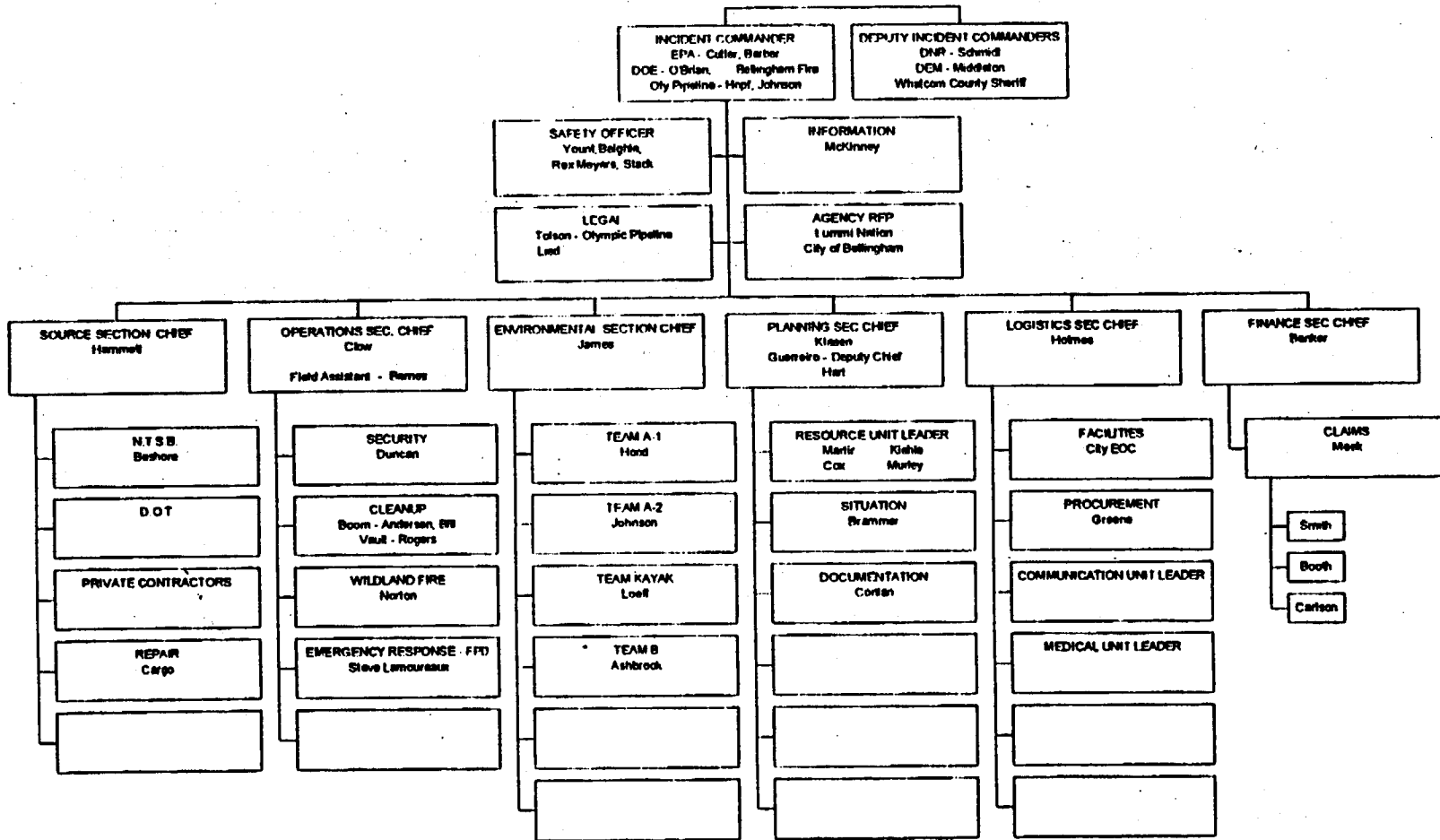
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Attachment 2G. Incident Command System: Organizational Chart

OPL
Bellingham, WA
June 10, 1999
DCA99-MP008

WHATCOM CREEK INCIDENT

June 13, 1999



Attachment 2H. - Final Disposal Tracking Inventory

OPL
Bellingham, WA
June 10, 1999

Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UNHM	Manifest No	Description	Time:	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Receive												
	Location(s)		Location(s)										
8/11/99	Water Treatment Plant-Vault Dewatering	WestPac Environmental Inc.	Toosco Refinery, Ferndale WA	X		18385	Nonhazardous liquid		11,000				gasoline affected water, 37,900 lbs truck + 51,910 lbs trailer
8/11/99	Water Treatment Plant-Vault Dewatering	WestPac Environmental Inc.	Toosco Refinery, Ferndale WA	X		18386	Nonhazardous liquid		11,000				gasoline affected water, 37,900 lbs truck + 51,910 lbs trailer
8/12/99	Water Treatment Plant-Vault Dewatering	WestPac Environmental Inc.	Toosco Refinery, Ferndale WA	X		17413	Nonhazardous liquid		1,200				gasoline affected water, 12,200 lbs truck
8/15/99	Plant-Vault dewatering	WestPac Environmental Inc.	Emerald Petroleum, 1500 Airport Way, Seattle WA 98134	X		19525	Water, nonhazardous liquid	14:45 hrs	8,500				gasoline affected water, WTP-A
8/17/99	Gasoline Slop	Burlington Environmental, Inc.	Burlington Environmental, Inc., 20245 77th Avenue S, Kent WA 98032 (subsidiary - Philip Service Co)		X	41571	Waste gasoline mixture, 3, UN1203, PG II					4200	29 drums, Philip profile 113815-00 (D001, D018) - booms, PPE, debris, absorbent pads, gasoline & water
										383			Equivalent gasoline content in absorbents; quantity calculated in Philips_drums_sum.xls
8/17/99	South Bell-Pipeline Isolation	Western Refinery Services	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		(none assigned)	ARCO unleaded gasoline (gas from pipeline, no water)	20:58		2858			Recovered gasoline from pipeline; 18,400 lbs at weight
8/18/99	Baker Tank -- water from vaults?	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221		X	00001	Waste environmental hazardous substance, liquid, n o s (D018), 9, UN3082, PG III		8,500				Gasoline affected water from Baker Tank; no weight ticket?
8/21/99	CMV vault, Bellingham water filtration plant	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221		X	00002	Waste environmental hazardous substance, liquid, n o s (D018), 9, UN3082, PG III		3,100				Gasoline affected water from CMV vault, 28,280 lbs net weight

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Final Disposal Tracking Inventory
Whitcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UHMW	Manifest No	Description	Time:	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Receive												
	Location(s)		Location(s)										
6/22/99	Pump vault dewatering for City Inspector/repair	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221		X	00003	Waste environmental hazardous substance, liquid, n.o.s. (D018), 9, UN3082, PG III		8,100				Gasoline affected water from pump vault; volume reported by field as 8,400 gallons at 6/23/99 Form 208 -- UHMW received on 6/25/99 is 8,100 gallons. Correction made at Form 208 report on 6/25/99
6/23/99	Pump vault dewatering for City Inspector/repair	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221		X	00004	Waste environmental hazardous substance, liquid, n.o.s. (D018), 9, UN3082, PG III		8,000				Gasoline affected water from pump vault
6/23/99	Pump vault dewatering for City Inspector/repair	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		19531	Environmentally hazardous substance, liquid, n.o.s. (gasoline, xylene), 9, UN3086, PG III		8,000				Gasoline affected water; sample WCI-FV62298 used to classify as non-RCRA
6/24/99	Pump vault dewatering for City Inspector/repair	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		19532	Environmentally hazardous substance, liquid, n.o.s. (gasoline, xylene), 9, UN3086, PG III		8,000				Gasoline affected water; sample WCI-FV62298 used to classify as non-RCRA
6/24/99	CMV pump vault dewatering for City Inspector/repair	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221		X	00005	Waste environmentally hazardous substance, liquid, n.o.s. (D018), 9, UN3082, PG III		5,525				Gasoline affect water; sample WCI-VT02199 used to classify as RCRA waste
7/6/99	Petroleum-contaminated soil (gasoline), Stockpile #3, from excavation of damaged pipeline	City Transfer, Inc. (truck = Silver Street, Inc.), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98498	X		A03-02428-001	Nonhazardous soil				32.75		Nominal 22 cy in truck; weighed at TPS scales - 64,500 lbs
7/6/99	Petroleum-contaminated soil (gasoline), Stockpile #3, from excavation of damaged pipeline	City Transfer, Inc. (truck = Gary McCann Trucking), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98498	X		A03-02429-002	Nonhazardous soil				28.73		Nominal 22 cy in truck; weighed at TPS scales - 57,480 lbs

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Final Disposal Tracking Inventory
Whalcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Loading	U/F/W/M	Manifest No	Description	Time:	Water Volume	Gasoline Volume	Soil	Other	Type of Waste
	Location(s)							Location(s)					
7/8/99	Petroleum-contaminated soil (gasoline), Stockpile #3, from excavation of damaged pipeline	City Transfer, Inc. (truck = Silver Street, Inc.), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-003	Nonhazardous soil				30.31		Nominal 24 cy in truck; weighed at TPS scales - 80,620 lbs
7/8/99	Petroleum-contaminated soil (gasoline), Stockpile #3, from excavation of damaged pipeline	City Transfer, Inc. (truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-004	Nonhazardous soil				28.81		Nominal 24 cy in truck; weighed at TPS scales - 53,820 lbs
7/8/99	Petroleum-contaminated soil (gasoline), Stockpile #3, from excavation of damaged pipeline	City Transfer, Inc. (truck = Silver Street, Inc.), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-005	Nonhazardous soil				31.32		Nominal 24 cy in truck; weighed at TPS scales - 62,640 lbs
7/8/99	Petroleum-contaminated soil (gasoline), Stockpile #3, from excavation of damaged pipeline	City Transfer, Inc. (truck = Silver Street, Inc.), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-005	Nonhazardous soil				28.82		Nominal 22 cy in truck; weighed at TPS scales - 57,840 lbs
7/8/99	Petroleum-contaminated soil (gasoline), Stockpile #3, from excavation of damaged pipeline	City Transfer, Inc. (truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-007	Nonhazardous soil				33.88		Nominal 24 cy in truck; weighed at TPS scales - 67,800 lbs
7/8/99	Petroleum-contaminated soil (gasoline), Stockpile #2, from excavation of damaged pipeline	City Transfer, Inc. (truck = Silver Street, Inc.), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-008	Nonhazardous soil				33.08		Nominal 24 cy in truck; weighed at TPS scales - 66,120 lbs
7/8/99	Petroleum-contaminated soil (gasoline), Stockpile #2, from excavation of damaged pipeline	City Transfer, Inc. (truck = Gary McCann Trucking), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-008	Nonhazardous soil				29.85		Nominal 23 cy in truck; weighed at TPS scales - 59,800 lbs
7/8/99	Petroleum-contaminated soil (gasoline), Stockpile #2, from excavation of damaged pipeline	City Transfer, Inc. (truck = Gary McCann Trucking), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-010	Nonhazardous soil				29.79		Nominal 22 cy in truck; weighed at TPS scales - 58,500 lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UHMW	Manifest No	Description	Time:	Water Volume	Gasoline Volume	Soil	Other	Type of Waste
	Receive							(Gallons)					
	Location(s)		Location(s)										
7/6/99	Petroleum-contaminated soil (gasoline), Stockpile #2, from excavation of damaged pipeline	City Transfer, Inc. (truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-011	Nonhazardous soil				18.15		Nominal 18 cy in truck; weighed at TPS scales - 36,300 lbs
7/6/99	Petroleum-contaminated soil (gasoline), Stockpile #2, from excavation of damaged pipeline	City Transfer, Inc. (truck = Gary McCann Trucking), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-012	Nonhazardous soil				12.92		Nominal 10 cy in truck; weighed at TPS scales - 23,840 lbs
7/7/99	Gasoline-contaminated absorbent pads and boom, WFP seeps on Hanna and Whatcom Creeks	Burlington Environmental, Inc.	Burlington Environmental, Inc., 20245 77th Avenue S, Kent WA 98032 (subsidiary - Philip Service Co.)		X	41887	Waste gasoline mixture, 3, UN1203, PG II			256		3141	20 drums of absorbent boom and pads from seeps, skimming operations; actual weight by TSD (3141 lbs gross, 1801 lbs net) used to determine gasoline fraction = 172 gallons
7/7/99	Used personal protective equipment (PPE) from response efforts, accumulated at WFP site	Burlington Environmental, Inc.	Burlington Environmental, Inc., 20245 77th Avenue S, Kent WA 98032 (subsidiary - Philip Service Co.)		X	41887	Material not regulated by DOT (PPE and debris)					469	5 drums of used PPE from site cleanup
7/12/99	Pump vault dewatering, ongoing recovery for City inspection/repair	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 6505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (no number assigned)	Environmentally hazardous substance, liquid, n.o.s. (gasoline, xylene), 9, UN3066, PG III		8,600				Gasoline affect water; sample WCI-PV62299 used to classify as non-RCRA
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #2, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-013	Nonhazardous soil				35.11		Nominal 22 cy in truck; weighed at TPS scales - 70,220 lbs
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #2, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-014	Nonhazardous soil				33.66		Nominal 22 cy in truck; weighed at TPS scales - 67,320 lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UNWM	Manifest No	Description	Time:	Water Volume	Gasoline Volume	Soil	Other	Type of Waste
	Location(s)												
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #2, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-015	Nonhazardous soil				33.35		Nominal 22 cy in truck; weighed at TPS scales - 66,760 lbs
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-016	Nonhazardous soil				35.09		Nominal 22 cy in truck; weighed at TPS scales - 70,190 lbs
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-017	Nonhazardous soil				31.27		Nominal 22 cy in truck; weighed at TPS scales - 62,540 lbs
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-018	Nonhazardous soil				32.41		Nominal 22 cy in truck; weighed at TPS scales - 64,820 lbs
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-019	Nonhazardous soil				25.73		Nominal 22 cy in truck; weighed at TPS scales - 51,460 lbs
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-020	Nonhazardous soil				28.45		Nominal 22 cy in truck; weighed at TPS scales - 52,900 lbs
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-021	Nonhazardous soil				24.06		Nominal 22 cy in truck; weighed at TPS scales - 48,160 lbs

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Final Disposal Tracking Inventory
Whetcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UFWM	Manifest No	Description	Time:	Water Volume	Gasoline Volume	Soil	Other	Type of Waste
	Location(s)		Location(s)										
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-022	Nonhazardous soil				25.13		Nominal 22 cy in truck; weighed at TPS scales - 50,280 lbs
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-023	Nonhazardous soil				27		Nominal 22 cy in truck; weighed at TPS scales - 54,000 lbs
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-024	Nonhazardous soil				27.83		Nominal 22 cy in truck; weighed at TPS scales - 55,860 lbs
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-025	Nonhazardous soil				27.78		Nominal 22 cy in truck; weighed at TPS scales - 55,590 lbs
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-026	Nonhazardous soil				28.83		Nominal 22 cy in truck; weighed at TPS scales - 53,660 lbs
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-027	Nonhazardous soil				23.71		Nominal 22 cy in truck; weighed at TPS scales - 47,420 lbs
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-028	Nonhazardous soil				25.27		Nominal 22 cy in truck; weighed at TPS scales - 50,540 lbs

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Final Disposal Tracking Inventory
Whitcom Creek Incident

Date	Received From:	Transporter	Disposal Facility Location(s)	Lading	UHMW	Manifest No	Description	Time:	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Receive												
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1046, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-029	Nonhazardous soil				20.69		Nominal 22 cy in truck; weighed at TPS scales - 57,390 lbs
7/13/99	Petroleum-contaminated soil (gasoline), Stockpile #1 and #3, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1046, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-030	Nonhazardous soil				20.69		Nominal 22 cy in truck; weighed at TPS scales - 59,360 lbs
7/14/99	Petroleum-contaminated soil (gasoline), Stockpile #2, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1046, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-031	Nonhazardous soil				21.85		Nominal 22 cy in truck; weighed at TPS scales - 43,700 lbs
7/14/99	Petroleum-contaminated soil (gasoline), Stockpile #2, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1046, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-032	Nonhazardous soil				22.72		Nominal 22 cy in truck; weighed at TPS scales - 45,440 lbs
7/14/99	Petroleum-contaminated soil (gasoline), Stockpile #2, from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1046, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-033	Nonhazardous soil				23.66		Nominal 22 cy in truck; weighed at TPS scales - 47,720 lbs
7/14/99	Petroleum-contaminated soil (gasoline), Stockpile #1, #2, #3 from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1046, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-034	Nonhazardous soil				26.09		Nominal 22 cy in truck; weighed at TPS scales - 51,700 lbs
7/14/99	Petroleum-contaminated soil (gasoline), Stockpile #1, #2, #3 from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1046, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-035	Nonhazardous soil				26.39		Nominal 22 cy in truck; weighed at TPS scales - 52,780 lbs

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Final Disposal Tracking Inventory
Whetcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UHMW	Manifest No	Description	Time: Recycle	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Location(s)												
7/14/99	Petroleum-contaminated soil (gasoline), Stockpile #1, #2, #3 from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-036	Nonhazardous soil				25.85		Nominal 22 cy in truck; weighed at TPS scales - 51,700 lbs
7/14/99	Petroleum-contaminated soil (gasoline), Stockpile #1, #2, #3 from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-037	Nonhazardous soil				24.66		Nominal 22 cy in truck; weighed at TPS scales - 49,780 lbs
7/14/99	Petroleum-contaminated soil (gasoline), Stockpile #1, #2, #3 from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-038	Nonhazardous soil				22.48		Nominal 22 cy in truck; weighed at TPS scales - 44,960 lbs
7/14/99	Petroleum-contaminated soil (gasoline), Stockpile #1, #2, #3 from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-039	Nonhazardous soil				22.12		Nominal 22 cy in truck; weighed at TPS scales - 44,240 lbs
7/14/99	Petroleum-contaminated soil (gasoline), Stockpile #1, #2, #3 from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-040	Nonhazardous soil				26.04		Nominal 22 cy in truck; weighed at TPS scales - 52,060 lbs
7/14/99	Petroleum-contaminated soil (gasoline), Stockpile #1, #2, #3 from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-041	Nonhazardous soil				22.87		Nominal 22 cy in truck; weighed at TPS scales - 45,740 lbs
7/14/99	Petroleum-contaminated soil (gasoline), Stockpile #1, #2, #3 from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-042	Nonhazardous soil				25.22		Nominal 22 cy in truck; weighed at TPS scales - 50,440 lbs

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Final Disposal Tracking Inventory
 Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Loading	UHWY	Manifest No	Description	Time:	Water Volume	Gasoline Volume	Soil	Other	Type of Waste
	Location(s)												
7/14/99	Petroleum-contaminated soil (gasoline), Rolloff Bins #1, #2, and #3 from excavation of damaged pipeline	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-07428-043	Nonhazardous soil				27.52		Nominal 22 cy in truck; weighed at TPS scales - 55,040 lbs
7/14/99	Pump vault dewatering, ongoing recovery for City inspection/repair	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		18976	Environmentally hazardous substance, liquid, n o s (gasoline, xylene), UN3066, PG III		8,600				Gasoline affect water; sample WCI-PV62299 used to classify as non-RCRA
7/14/99	Pump vault dewatering, ongoing recovery for City inspection/repair	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		18977	Environmentally hazardous substance, liquid, n o s (gasoline, xylene), UN3066, PG III		8,600				Gasoline affect water; sample WCI-PV62299 used to classify as non-RCRA
7/15/99	Pump vault dewatering, ongoing recovery for City inspection/repair	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		18969	Environmentally hazardous substance, liquid, n o s (gasoline, xylene), UN3066, PG III		8,600				Gasoline affect water; sample WCI-PV62299 used to classify as non-RCRA
7/15/99	Product (gasoline) and water from Baker Tank #1 -- recovered from skimming operations at Hanna and Whatcom Creeks (755 gallons) and pipeline purging (3,819 gallons)	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		18972	Flammable liquid n o s (gasoline), 3, UN1993, PG II		5,906	2,894			4,574 gallons of gasoline recovered from skim operations, pipeline purging & stored in Baker #1; product allocated to the two loads required to empty Baker Tank #1 on 7/15 -- est. 2,894 gallons of gas equivalent in 8,600 gallon load
7/15/99	Product (gasoline) and water from Baker Tank #1 -- recovered from skimming operations at Hanna and Whatcom Creeks (755 gallons) and pipeline purging (3,819 gallons)	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		18973	Flammable liquid n o s (gasoline), 3, UN1993, PG II		4,120	1,800			4,574 gallons of gasoline recovered from skim operations, pipeline purging & stored in Baker #1; product allocated to the two loads required to empty Baker Tank #1 on 7/15 -- est. 1,800 gallons of gas equivalent in 8,600 gallon load

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Loading	UHW	Manifest No	Description	Time:	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Receives							Location(s)					
7/17/98	Contaminated water from pump station vault	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Teane Road, Anacortes WA 98221	X		18527	Environmental Hazardous Substance, Liquid n o s (gasoline, xylene), B, UN 3088, PGM		8,600				Gasoline affect water; sample WCI-PV62299 used to classify as non-RCRA
7/18/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-044	Nonhazardous soil				24.32		Nominal 22 cy in truck; weighed at TPS scales - 46,640 lbs
7/18/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-045	Nonhazardous soil				23.56		Nominal 22 cy in truck; weighed at TPS scales - 47,120 lbs
7/18/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-046	Nonhazardous soil				26.91		Nominal 24 cy in truck; weighed at TPS scales - 53,820 lbs
7/18/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-047	Nonhazardous soil				27.3		Nominal 22 cy in truck; weighed at TPS scales - 54,800 lbs
7/18/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-048	Nonhazardous soil				28.86		Nominal 22 cy in truck; weighed at TPS scales - 53,920 lbs
7/18/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-049	Nonhazardous soil				29.44		Nominal 24 cy in truck; weighed at TPS scales - 58,880 lbs

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Final Disposal Tracking Inventory
Wheaton Creek Incident

Date	Received From: Location(s)	Transporter	Disposal Facility Location(s)	Lading	LHWI	Manifest No	Description	Time: Receive	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
7/19/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-050	Nonhazardous soil				27.07		Nominal 22 cy in truck; weighed at TPS scales - 54,140 lbs
7/19/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-051	Nonhazardous soil				25.33		Nominal 22 cy in truck; weighed at TPS scales - 50,860 lbs
7/19/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-052	Nonhazardous soil				26.78		Nominal 24 cy in truck; weighed at TPS scales - 53,570 lbs
7/19/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-053	Nonhazardous soil				27.85		Nominal 24 cy in truck; weighed at TPS scales - 55,300 lbs
7/19/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	WestPac Environmental Inc.	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-054	Nonhazardous soil				7.63		Nominal 10 cy in roll-off bin, Westpac truck; weighed at TPS scales - 15,260 lbs
7/19/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-055	Nonhazardous soil				27.02		Nominal 22 cy in truck; weighed at TPS scales - 54,040 lbs
7/19/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-056	Nonhazardous soil				26		Nominal 22 cy in truck; weighed at TPS scales - 52,000 lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From: Location(s)	Transporter	Disposal Facility Location(s)	Lading	UHMW	Manifest No	Description	Time:	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
								Receipts					
7/18/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-057	Nonhazardous soil				26.08		Nominal 22 cy in truck; weighed at TPS scales - 56,180 lbs
7/18/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-058	Nonhazardous soil				26.86		Nominal 22 cy in truck; weighed at TPS scales - 53,920 lbs
7/18/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-059	Nonhazardous soil				27.15		Nominal 22 cy in truck; weighed at TPS scales - 54,300 lbs
7/18/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-060	Nonhazardous soil				29.04		Nominal 24 cy in truck; weighed at TPS scales - 58,000 lbs
7/18/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-061	Nonhazardous soil				27.95		Nominal 22 cy in truck; weighed at TPS scales - 55,900 lbs
7/18/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-062	Nonhazardous soil				30.56		Nominal 24 cy in truck; weighed at TPS scales - 61,120 lbs
7/18/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-063	Nonhazardous soil				28.84		Nominal 24 cy in truck; weighed at TPS scales - 57,280 lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility Location(s)	Lading	U/M/W	Manifest No	Description	Time:	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Receipts												
7/18/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-064	Nonhazardous soil				26.77		Nominal 24 cy in truck; weighed at TPS scales - 57,540 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-065	Nonhazardous soil				26.68		Nominal 22 cy in truck; weighed at TPS scales - 53,360 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-066	Nonhazardous soil				27.90		Nominal 22 cy in truck; weighed at TPS scales - 55,800 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-067	Nonhazardous soil				25.98		Nominal 22 cy in truck; weighed at TPS scales - 51,910 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-068	Nonhazardous soil				25.29		Nominal 24 cy in truck; weighed at TPS scales - 50,580 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-069	Nonhazardous soil				25.09		Nominal 22 cy in truck; weighed at TPS scales - 50,160 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-070	Nonhazardous soil				27.81		Nominal 24 cy in truck; weighed at TPS scales - 55,820 lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	U/V/W	Manifest No	Description	Time:	Water Volume	Gasoline Volume	Soil	Other	Type of Waste
	Location(s)												
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-071	Nonhazardous soil				24.29		Nominal 24 cy in truck; weighed at TPS scales - 48,580 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-072	Nonhazardous soil				26.08		Nominal 22 cy in truck; weighed at TPS scales - 52,160 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc., P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-073	Nonhazardous soil				25.47		Nominal 24 cy in truck; weighed at TPS scales - 50,940 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. (truck = Silverstreak), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-074	Nonhazardous soil				25.12		Nominal 22 cy in truck; weighed at TPS scales - 50,240 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. (truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-075	Nonhazardous soil				26.64		Nominal 24 cy in truck; weighed at TPS scales - 53,280 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. (truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-076	Nonhazardous soil				27.27		Nominal 24 cy in truck; weighed at TPS scales - 54,540 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. (truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-077	Nonhazardous soil				25.65		Nominal 24 cy in truck; weighed at TPS scales - 51,700 lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility Location(s)	Lading	UHMW	Manifest No	Description	Time: Receipts	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Location(s)												
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacler	City Transfer, Inc. (truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-078	Nonhazardous soil				26.68		Nominal 24 cy in truck; weighed at TPS scales - 57,960 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacler	City Transfer, Inc. (truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-079	Nonhazardous soil				26.37		Nominal 24 cy in truck; weighed at TPS scales - 55,900 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacler	City Transfer, Inc. (truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-080	Nonhazardous soil				27.86		Nominal 22 cy in truck; weighed at TPS scales - 54,740 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacler	City Transfer, Inc. (truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-081	Nonhazardous soil				27.37		Nominal 22 cy in truck; weighed at TPS scales - 57,740 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacler	City Transfer, Inc. (truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-082	Nonhazardous soil				24.21		Nominal 22 cy in truck; weighed at TPS scales - 48,420 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacler	City Transfer, Inc. (truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-083	Nonhazardous soil				23.37		Nominal 22 cy in truck; weighed at TPS scales - 46,740 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacler	City Transfer, Inc. (truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-084	Nonhazardous soil				26.86		Nominal 22 cy in truck; weighed at TPS scales - 53,800 lbs

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Final Disposal Tracking Inventory
Whalcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Leaking	UHWI	Manifest No	Description	Time: Receipt	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Location(s)												
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glaetler	City Transfer, Inc. (Truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-065	Nonhazardous soil				25.67		Nominal 22 cy in truck; weighed at TPS scales - 51,340 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glaetler	City Transfer, Inc. (Truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-066	Nonhazardous soil				23.73		Nominal 22 cy in truck; weighed at TPS scales - 47,400 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glaetler	City Transfer, Inc. (Truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-067	Nonhazardous soil				32.14		Nominal 22 cy in truck; weighed at TPS scales - 64,280 lbs
7/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glaetler	City Transfer, Inc. (Truck = T-Max), P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-066	Nonhazardous soil				26.45		Nominal 24 cy in truck; weighed at TPS scales - 56,900 lbs
7/23/99	Product (gasoline) and water from Baker Tank #1 - recovered from pipeline purging (181 gal) and excavation operations at Hanna Creek	WestPac Environmental Inc.	Puget Sound Refining Co [Equilon], 8505 South Texas Road, Anacortes WA 98221	X		18977	Flammable liquid n.o.s (gasoline), 3, UN1203, PG II		6,304	2,296			4,593 gallons of gasoline recovered from excavation operations, pipeline purging stored in Baker #1; product allocated to the two loads required to empty Baker Tank #1 on 7/23 -- est. 2,296 tons of gas equivalent in 6,200 gallon load
7/23/99	Product (gasoline) and water from Baker Tank #1 - recovered from pipeline purging (181 gal) and excavation operations at Hanna Creek	WestPac Environmental Inc.	Puget Sound Refining Co [Equilon], 8505 South Texas Road, Anacortes WA 98221	X		18978	Flammable liquid n.o.s (gasoline), UN1203, PG II		6,303	2,297			4,593 gallons of gasoline recovered from excavation operations, pipeline purging stored in Baker #1; product allocated to the two loads required to empty Baker Tank #1 on 7/23 -- est. 2,297 tons of gas equivalent in 6,200 gallon load
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glaetler and Olympic Pipeline excavation	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-069	Nonhazardous soil				26.63		Nominal 22 cy in truck; weighed at TPS scales - 57,260 lbs

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Final Disposal Tracking Inventory
 Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UNWM	Manifest No	Description	Time:	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Receipt												
	Location(s)		Location(s)										
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. (truck = Silver Streak) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-098	Nonhazardous soil				24.08		Nominal 22 cy in truck; weighed at TPS scales - 48,180 lbs
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. (truck = Silver Streak) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-099	Nonhazardous soil				23.38		Nominal 22 cy in truck; weighed at TPS scales - 48,760 lbs
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. (truck = Silver Streak) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-100	Nonhazardous soil				24.37		Nominal 22 cy in truck; weighed at TPS scales - 48,740 lbs
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. (truck = Gary McCann) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-101	Nonhazardous soil				22.83		Nominal 22 cy in truck; weighed at TPS scales - 45,600 lbs
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. (truck = T-Max) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-102	Nonhazardous soil				27.1		Nominal 22 cy in truck; weighed at TPS scales - 54,200 lbs
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. (truck = Silver Streak) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-103	Nonhazardous soil				28.73		Nominal 22 cy in truck; weighed at TPS scales - 53,490 lbs
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. (truck = Silver Streak) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-104	Nonhazardous soil				30.89		Nominal 24 cy in truck; weighed at TPS scales - 61,300 lbs
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. (truck = Silver Streak) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-105	Nonhazardous soil				28.87		Nominal 22 cy in truck; weighed at TPS scales - 57,740 lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UHMW	Manifest No	Description	Time: Receipt	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil	Other	Type of Waste
	Location(s)		Location(s)								(Tons)	(Pounds)	
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-090	Nonhazardous soil				29.6		Nominal 22 cy in truck; weighed at TPS scales - 53,200 lbs
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-091	Nonhazardous soil				29.49		Nominal 22 cy in truck; weighed at TPS scales - 50,970 lbs
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-092	Nonhazardous soil				29.16		Nominal 22 cy in truck; weighed at TPS scales - 50,320 lbs
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-093	Nonhazardous soil				29.75		Nominal 22 cy in truck; weighed at TPS scales - 50,500 lbs
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-094	Nonhazardous soil				29.17		Nominal 22 cy in truck; weighed at TPS scales - 50,340 lbs
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-095	Nonhazardous soil				29.84		Nominal 24 cy in truck; weighed at TPS scales - 50,000 lbs
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-096	Nonhazardous soil				29.88		Nominal 22 cy in truck; weighed at TPS scales - 50,720 lbs
7/27/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier and Olympic Pipeline excavation	City Transfer, Inc. (truck = Silver Street) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-097	Nonhazardous soil				29.94		Nominal 24 cy in truck; weighed at TPS scales - 51,880 lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From: Location(s)	Transporter	Disposal Facility Location(s)	Loading	UNWM	Manifest No	Description	Time: Receiving	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
7/29/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-109	Nonhazardous soil				27.76		Nominal 22 cy in truck; weighed at TPS scales - 55,520 Lbs
7/29/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. (truck = Silver Streak) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-107	Nonhazardous soil				26.39		Nominal 24 cy in truck; weighed at TPS scales - 26.39 Lbs
7/29/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. (truck = T-Max) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-108	Nonhazardous soil				29.02		Nominal 24 cy in truck; weighed at TPS scales - 58,040 Lbs
7/29/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. (truck = Silver Streak) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-109	Nonhazardous soil				27.2		Nominal 22 cy in truck; weighed at TPS scales - 54,400 Lbs
7/29/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. (truck = Silver Streak) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-110	Nonhazardous soil				26.79		Nominal 22 cy in truck; weighed at TPS scales - 53,560 Lbs
7/29/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. (truck = Gary McCann) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-111	Nonhazardous soil				28.62		Nominal 22 cy in truck; weighed at TPS scales - 57,640 Lbs
7/29/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. (truck = Silver Streak) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-112	Nonhazardous soil				29.71		Nominal 24 cy in truck; weighed at TPS scales - 59,420 Lbs
7/29/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. (truck = Silver Streak) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-113	Nonhazardous soil				27.77		Nominal 22 cy in truck; weighed at TPS scales - 55,540 Lbs
7/29/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. (truck = T-Max) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-114	Nonhazardous soil				32.14		Nominal 22 cy in truck; weighed at TPS scales - 64,280 Lbs
7/29/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. (truck = Gary McCann) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-115	Nonhazardous soil				30.1		Nominal 22 cy in truck; weighed at TPS scales - 60,200 Lbs
7/29/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. (truck = Gary McCann) P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-116	Nonhazardous soil				31.01		Nominal 22 cy in truck; weighed at TPS scales - 62,020 Lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UHMW	Manifest No	Description	Time: Receipt	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Location(s)												
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-117	Nonhazardous soil				32.34		Nominal 22 cy in truck; weighed at TPS scales - 64,600 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-118	Nonhazardous soil				3.48		Nominal 22 cy in truck; weighed at TPS scales - 6,920 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-119	Nonhazardous soil				34.62		Nominal 22 cy in truck; weighed at TPS scales - 69,040 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-120	Nonhazardous soil				33.78		Nominal 22 cy in truck; weighed at TPS scales - 67,560 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-121	Nonhazardous soil				30.53		Nominal 22 cy in truck; weighed at TPS scales - 61,060 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-122	Nonhazardous soil				25.88		Nominal 22 cy in truck; weighed at TPS scales - 51,720 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-123	Nonhazardous soil				27.37		Nominal 22 cy in truck; weighed at TPS scales - 54,740 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-124	Nonhazardous soil				27.41		Nominal 22 cy in truck; weighed at TPS scales - 54,820 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-125	Nonhazardous soil				29.88		Nominal 22 cy in truck; weighed at TPS scales - 59,820 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-126	Nonhazardous soil				29.88		Nominal 22 cy in truck; weighed at TPS scales - 59,760 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-127	Nonhazardous soil				29.83		Nominal 22 cy in truck; weighed at TPS scales - 59,660 Lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From: (Location(s))	Transporter	Disposal Facility (Location(s))	Lading	UHW	Manifest No	Description	Time: Recovery	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98498	X		A03-02428-128	Nonhazardous soil				33.68		Nominal 22 cy in truck; weighed at TPS scales - 87,120 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98498	X		A03-02428-129	Nonhazardous soil				29.26		Nominal 22 cy in truck; weighed at TPS scales - 58,580 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98498	X		A03-02428-130	Nonhazardous soil				30.84		Nominal 22 cy in truck; weighed at TPS scales - 61,680 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98498	X		A03-02428-131	Nonhazardous soil				28.08		Nominal 22 cy in truck; weighed at TPS scales - 59,180 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98498	X		A03-02428-132	Nonhazardous soil				27.73		Nominal 22 cy in truck; weighed at TPS scales - 56,480 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98498	X		A03-02428-133	Nonhazardous soil				30.24		Nominal 22 cy in truck; weighed at TPS scales - 60,480 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98498	X		A03-02428-134	Nonhazardous soil				24.4		Nominal 22 cy in truck; weighed at TPS scales - 48,800 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98498	X		A03-02428-135	Nonhazardous soil				32.83		Nominal 22 cy in truck; weighed at TPS scales - 65,280 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98498	X		A03-02428-136	Nonhazardous soil				29.35		Nominal 22 cy in truck; weighed at TPS scales - 58,700 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98498	X		A03-02428-137	Nonhazardous soil				25.26		Nominal 22 cy in truck; weighed at TPS scales - 50,520 Lbs
7/30/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98498	X		A03-02428-138	Nonhazardous soil				26.66		Nominal 22 cy in truck; weighed at TPS scales - 57,360 Lbs

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Final Disposal Tracking Inventory
Whetcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Loring	UHW	Manifest No.	Description	Time:	Water Volume	Gasoline Volume	Soil	Other	Type of Waste
	Location(s)												
7/30/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-139	Nonhazardous soil				30.44		Nominal 22 cy in truck; weighed at TPS scales - 60,880 Lbs
7/30/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-140	Nonhazardous soil				29.92		Nominal 22 cy in truck; weighed at TPS scales - 53,840 Lbs
7/30/99	Contaminated water from Baker Tank #1 - recovered from excavation operations at Hanna Creek.	WestPac Environmental Inc	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		19528	Environmentally hazardous substance, liquid, n.o.s. (gasoline, xylene), 9, UN3088, PG III		8,600				Gasoline effect water; classify as non-RCRA
7/30/99	Contaminated water from Baker Tank #1 - recovered from excavation operations at Hanna Creek.	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		19670	Environmentally hazardous substance, liquid, n.o.s. (gasoline, xylene), 9, UN3088, PG III		8,600				Gasoline effect water; classify as non-RCRA
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-140	Nonhazardous soil				22.76		Nominal 23 cy in truck; weighed at TPS scales - 45,520 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-141	Nonhazardous soil				26.75		Nominal 22 cy in truck; weighed at TPS scales - 53,600 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-142	Nonhazardous soil				24.79		Nominal 24 cy in truck; weighed at TPS scales - 49,560 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-143	Nonhazardous soil				23.49		Nominal 22 cy in truck; weighed at TPS scales - 48,960 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-144	Nonhazardous soil				22.06		Nominal 24 cy in truck; weighed at TPS scales - 45,960 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-145	Nonhazardous soil				23.09		Nominal 22 cy in truck; weighed at TPS scales - 47,360 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-146	Nonhazardous soil				24.81		Nominal 22 cy in truck; weighed at TPS scales - 48,220 Lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Loading	UHWM	Manifest No	Description	Time: Receipt	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Location(s)												
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-147	Nonhazardous soil				26.49		Nominal 24 cy in truck; weighed at TPS scales - 55,880 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-149	Nonhazardous soil				27.07		Nominal 24 cy in truck; weighed at TPS scales - 54,140 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-150	Nonhazardous soil				24.83		Nominal 20cy in truck; weighed at TPS scales - 49,280 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-151	Nonhazardous soil				23.25		Nominal 20 cy in truck; weighed at TPS scales - 49,500 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-152	Nonhazardous soil				29.87		Nominal 22 cy in truck; weighed at TPS scales - 59,740 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-153	Nonhazardous soil				28.35		Nominal 22 cy in truck; weighed at TPS scales - 59,700 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-154	Nonhazardous soil				30.84		Nominal 24 cy in truck; weighed at TPS scales - 61,850 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-155	Nonhazardous soil				31.08		Nominal 22 cy in truck; weighed at TPS scales - 62,180 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-156	Nonhazardous soil				27		Nominal 22 cy in truck; weighed at TPS scales - 54,000 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-157	Nonhazardous soil				31.29		Nominal 24 cy in truck; weighed at TPS scales - 62,580 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02428-158	Nonhazardous soil				27.74		Nominal 22 cy in truck; weighed at TPS scales - 65,480 Lbs

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Final Disposal Tracking Inventory
Whetcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Leaking	UHMW	Manifest No	Description	Time: Receive	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Location(s)												
8/3/98	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-159	Nonhazardous soil				22.03		Nominal 22 cy in truck; weighed at TPS scales - 44,000 Lbs
8/3/98	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-160	Nonhazardous soil				26.57		Nominal 22 cy in truck; weighed at TPS scales - 53,140 Lbs
8/3/98	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-161	Nonhazardous soil				26.41		Nominal 23 cy in truck; weighed at TPS scales - 56,820 Lbs
8/3/98	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-162	Nonhazardous soil				31.73		Nominal 22 cy in truck; weighed at TPS scales - 63,460 Lbs
8/3/98	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-163	Nonhazardous soil				28.97		Nominal 24 cy in truck; weighed at TPS scales - 57,940 Lbs
8/3/98	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-164	Nonhazardous soil				26.84		Nominal 22 cy in truck; weighed at TPS scales - 57,680 Lbs
8/3/98	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-165	Nonhazardous soil				29.2		Nominal 22 cy in truck; weighed at TPS scales - 58,400 Lbs
8/3/98	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-166	Nonhazardous soil				26.9		Nominal 24 cy in truck; weighed at TPS scales - 57,600 Lbs
8/3/98	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-167	Nonhazardous soil				26.36		Nominal 24 cy in truck; weighed at TPS scales - 52,700 Lbs
8/3/98	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-168	Nonhazardous soil				26.46		Nominal 20 cy in truck; weighed at TPS scales - 56,920 Lbs
8/3/98	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-169	Nonhazardous soil				26.56		Nominal 22 cy in truck; weighed at TPS scales - 57,120 Lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident.

Date	Received From:	Transporter	Disposal Facility	Lading	UHWM	Manifest No	Description	Time: Receive	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Location(s)												
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-170	Nonhazardous soil				29.32		Nominal 22 cy in truck; weighed at TPS scales - 58,640 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-171	Nonhazardous soil				28		Nominal 22 cy in truck; weighed at TPS scales - 56,000 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-172	Nonhazardous soil				27.99		Nominal 24 cy in truck; weighed at TPS scales - 55,980 Lbs
8/3/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-173	Nonhazardous soil				31.13		Nominal 24 cy in truck; weighed at TPS scales - 62,260 Lbs
8/4/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-174	Nonhazardous soil				25.65		nominal 24 cy in truck; weigh at TPS scales-57100 LBS.
8/4/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A-03-02429-175	Nonhazardous soil				29.09		Nominal 24 cy in truck; weighed at TPS scales - 58,120 LBS
8/4/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-176	Nonhazardous soil				31.22		Nominal 22 cy in truck; weighed at TPS scales- 66,440 lbs
8/4/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-0249-177	Nonhazardous soil				31.62		Nominal 22 cy in truck; weighed at TPS scales- 63,040 lbs
8/4/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-178	Nonhazardous soil				31.26		Nominal 22cy in truck; weighed at TPS scales- 62,600 lbs
8/4/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-179	Nonhazardous soil				32.45		Nominal 24 cy in truck; weighed at TPS scales 64,900 lbs
8/4/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-180	Nonhazardous soil				27.9		Nominal 22 cy in truck; weighed at TPS scales 55,900 lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UHMW	Manifest No	Description	Time:	Water Volume	Gasoline Volume	Soil	Other	Type of Waste
	(Receipts)							(Gallons)					
	(Location)		(Location)										
8/4/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-181	Nonhazardous soil				28.13		Nominal 24 cy in truck; weighed at TPS scales 82,280 lbs
8/4/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-182	Nonhazardous soil				32.4		Nominal 22 cy in truck; weighed at TPS scales 84,800 lbs
8/4/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-183	Nonhazardous soil				31.78		Nominal 24cy in truck; weighed at TPS scales 83,500 lbs
8/4/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-184	Nonhazardous soil				28.43		Nominal 24 cy in truck; weighed at TPS scales 86,880 lbs
8/4/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-185	Nonhazardous soil				29.23		Nominal 22 cy in truck; weighed at TPS scales - 88,480 lbs
8/4/99	Petroleum-contaminated soil (gasoline), Stockpile #1, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-186	Nonhazardous soil				28.53		Nominal 22 cy in truck; weighed at TPS scales - 87,080 lbs
8/4/99	Petroleum-contaminated soil (gasoline), Stockpiles #1 and 2, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-187	Nonhazardous soil				27.08		Nominal 18 cy in truck; weighed at TPS scales 54,120 lbs
8/5/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-188	Nonhazardous soil				22.84		Nominal 22 cy in truck; weighed at TPS scales - 45,280 Lbs
8/5/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-189	Nonhazardous soil				23.84		Nominal 22 cy in truck; weighed at TPS scales - 47,880 Lbs
8/5/99	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-190	Nonhazardous soil				28.88		Nominal 24 cy in truck; weighed at TPS scales - 81,780 Lbs
8/5/99	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-191	Nonhazardous soil				22.08		Nominal 22 cy in truck; weighed at TPS scales - 44,120 Lbs

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Final Disposal Tracking Inventory
Whalcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lack of	UICWM	Manifest No	Description	Time:	Water Volume	Gasoline	Soil	Other	Type of Waste
	Location(s)		Location(s)										
8/5/99	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-192	Nonhazardous soil				25.48		Nominal 22 cy in truck; weighed at TPS scales - 50,800 Lbs
8/5/99	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-193	Nonhazardous soil				25.75		Nominal 22 cy in truck; weighed at TPS scales - 51,500 Lbs
8/5/99	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-194	Nonhazardous soil				24.45		Nominal 24 cy in truck; weighed at TPS scales - 48,900 Lbs
8/5/99	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-195	Nonhazardous soil				28.93		Nominal 22 cy in truck; weighed at TPS scales - 57,800 Lbs
8/5/99	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-196	Nonhazardous soil				28.36		Nominal 22 cy in truck; weighed at TPS scales - 58,700 Lbs
8/5/99	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-197	Nonhazardous soil				28.58		Nominal 22 cy in truck; weighed at TPS scales - 57,160 Lbs
8/5/99	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-198	Nonhazardous soil				28.26		Nominal 22 cy in truck; weighed at TPS scales - 56,520 Lbs
8/5/99	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-199	Nonhazardous soil				29.51		Nominal 22 cy in truck; weighed at TPS scales - 59,020 Lbs
8/5/99	Petroleum-contaminated soil (gasoline), Stockpiles #2 and 4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-200	Nonhazardous soil				27.87		Nominal 24 cy in truck; weighed at TPS scales - 55,940 Lbs
8/5/99	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-201	Nonhazardous soil				19.08		Nominal 22 cy in truck; weighed at TPS scales - 38,120 Lbs
8/5/99	Petroleum-contaminated soil (gasoline), Stockpiles #2 and 4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-202	Nonhazardous soil				18.63		Nominal 22 cy in truck; weighed at TPS scales - 37,280 Lbs

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Final Disposal Tracking Inventory
Whitcomb Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UN/WM	Manifest No	Description	Time: Recovery	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil	Other	Type of Waste
	Location(s)										Location(s)	(Tons)	
8/5/98	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-203	Nonhazardous soil				14.04		Nominal 15 cy in truck; weighed at TPS scales - 26,000 Lbs
8/5/98	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-204	Nonhazardous soil				15.14		Nominal 16 cy in truck; weighed at TPS scales - 30,200 Lbs
8/5/98	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-205	Nonhazardous soil				13.55		Nominal 16 cy in truck; weighed at TPS scales - 27,100 Lbs
8/10/98	Product (gasoline) and water from Baker Tank #1 -- recovered from skimming operations, pipeline purging, and excavation operations at Hanna Creek	WestPac Environmental Inc.	Puget Sound Refining Co [Equilon], 8505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (no number assigned)	Flammable liquid n.o.s. (gasoline, water), J, UN1203, PG II		8,182	408			408 gallons of gasoline recovered from excavation operations, pipeline purging and skimming operations - stored in Baker #1 and skimmer tank; product allocated to the two loads required to empty Baker Tank #1 and skimmer tank
8/10/98	Product (gasoline) and water from Baker Tank #1 -- recovered from skimming operations, pipeline purging, and excavation operations at Hanna Creek	WestPac Environmental Inc.	Puget Sound Refining Co [Equilon], 8505 South Texas Road, Anacortes WA 98221	X		18980	Flammable liquid n.o.s. (gasoline, water), J, UN1203, PG II		8,182	408			408 gallons of gasoline recovered from excavation operations, pipeline purging and skimming operations - stored in Baker #1 and skimmer tank; product allocated to the two loads required to empty Baker Tank #1 and skimmer tank
8/13/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-206	Nonhazardous soil				28.02		Nominal 22 cy in truck; weighed at TPS scales - 58,040 Lbs
8/13/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-207	Nonhazardous soil				27.87		Nominal 24 cy in truck; weighed at TPS scales - 55,740 Lbs
8/13/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-208	Nonhazardous soil				30.81		Nominal 22 cy in truck; weighed at TPS scales - 60,020 Lbs
8/13/98	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-209	Nonhazardous soil				28.81		Nominal 24 cy in truck; weighed at TPS scales - 68,020 Lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UFWM	Manifest No	Description	Time: Receipt	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Location(s)												
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-210	Nonhazardous soil				32.36		Nominal 22 cy in truck; weighed at TPS scales - 84,700 Lbs
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-211	Nonhazardous soil				30.97		Nominal 22 cy in truck; weighed at TPS scales - 81,940 Lbs
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-212	Nonhazardous soil				32.59		Nominal 24 cy in truck; weighed at TPS scales - 85,180 Lbs
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-213	Nonhazardous soil				26.32		Nominal 22 cy in truck; weighed at TPS scales - 56,840 Lbs
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-214	Nonhazardous soil				26.56		Nominal 22 cy in truck; weighed at TPS scales - 57,120 Lbs
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-215	Nonhazardous soil				29.29		Nominal 22 cy in truck; weighed at TPS scales - 56,560 Lbs
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-216	Nonhazardous soil				27.68		Nominal 24 cy in truck; weighed at TPS scales - 55,320 Lbs
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-217	Nonhazardous soil				30.2		Nominal 22 cy in truck; weighed at TPS scales - 60,400 Lbs
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-218	Nonhazardous soil				28.79		Nominal 24 cy in truck; weighed at TPS scales - 57,580 Lbs
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-219	Nonhazardous soil				27.01		Nominal 22 cy in truck; weighed at TPS scales - 54,020 Lbs
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-220	Nonhazardous soil				27.84		Nominal 24 cy in truck; weighed at TPS scales - 55,690 Lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UFWM	Manifest No	Description	Time: Receive	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Location(s)												
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-221	Nonhazardous soil				27.12		Nominal 22 cy in truck; weighed at TPS scales - 54,240 Lbs
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-222	Nonhazardous soil				23.53		Nominal 22 cy in truck; weighed at TPS scales - 47,080 Lbs
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-223	Nonhazardous soil				28.74		Nominal 24 cy in truck; weighed at TPS scales - 57,480 Lbs
8/13/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-224	Nonhazardous soil				25.68		Nominal 24cy in truck; weighed at TPS scales - 51,320 Lbs
8/16/99	Product (gasoline) and water from Baker Tank #1 -- recovered from horizontal well and excavation operations at Hanna Creek	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		17531	Flammable liquid n.o.s (gasoline, water), 3, UR11203, PG II		5,400	600			600 gallons of gasoline recovered from excavation operations, and horizontal well - stored in Baker #1 and poly tank; product allocated to the two loads
8/16/99	Product (gasoline) and water from Baker Tank #1 -- recovered from horizontal well and excavation operations at Hanna Creek	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		18006	Flammable liquid n.o.s (gasoline, water), 3, UR11203, PG II		4,650	450			450 gallons of gasoline recovered from excavation operations, and horizontal well - stored in Baker #1 and poly tank; product allocated to the two loads
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-225	Nonhazardous soil				22.58		Nominal 24cy in truck; weighed at TPS scales - 45,120 Lbs
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-226	Nonhazardous soil				22.38		Nominal 22cy in truck; weighed at TPS scales - 44,720 Lbs
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-227	Nonhazardous soil				25.21		Nominal 24cy in truck; weighed at TPS scales - 50,420 Lbs
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-228	Nonhazardous soil				24.89		Nominal 24cy in truck; weighed at TPS scales - 49,980 Lbs

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Final Disposal Tracking Inventory
Whitcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Leaking	U/N/W/M	Manifest No	Description	Time: Receives	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Location(s)												
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-229	Nonhazardous soil				24.32		Nominal 22cy in truck; weighed at TPS scales - 48,840 Lbs
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-230	Nonhazardous soil				26.87		Nominal 22cy in truck; weighed at TPS scales - 53,840 Lbs
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-231	Nonhazardous soil				26.83		Nominal 24cy in truck; weighed at TPS scales - 57,260 Lbs
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-232	Nonhazardous soil				26.24		Nominal 22cy in truck; weighed at TPS scales - 53,480 Lbs
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-233	Nonhazardous soil				26.17		Nominal 24cy in truck; weighed at TPS scales - 56,340 Lbs
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-234	Nonhazardous soil				27.57		Nominal 22cy in truck; weighed at TPS scales - 55,140 Lbs
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-235	Nonhazardous soil				26.06		Nominal 22cy in truck; weighed at TPS scales - 58,320 Lbs
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-236	Nonhazardous soil				21.45		Nominal 20cy in truck; weighed at TPS scales - 42,900 Lbs
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-237	Nonhazardous soil				26.46		Nominal 24cy in truck; weighed at TPS scales - 58,800 Lbs
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-238	Nonhazardous soil				30.82		Nominal 24cy in truck; weighed at TPS scales - 61,840 Lbs
8/17/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-239	Nonhazardous soil				27.58		Nominal 22cy in truck; weighed at TPS scales - 55,120 Lbs

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Final Disposal Tracking Inventory
Whalcom Creek Incident

Date	Received From: Location(s)	Transporter	Disposal Facility Location(s)	Lading	UNWM	Manifest No	Description	Time: Regulatory	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
8/17/99	Product (gasoline) and water from Baker Tank #1 -- recovered from horizontal well and excavation operations at Hanna Creek	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		17533	Flammable liquid n.o.s (gasoline, water), 3, UN1203, PG II		8,450	550			550 gallons of gasoline recovered from excavation operations, and horizontal well - stored in Baker #1 and poly tank; product allocated to the three loads
8/17/99	Product (gasoline) and water from Baker Tank #1 -- recovered from horizontal well and excavation operations at Hanna Creek	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		18005	Flammable liquid n.o.s (gasoline, water), 3, UN1203, PG II		4,550	450			450 gallons of gasoline recovered from excavation operations, and horizontal well - stored in Baker #1 and poly tank; product allocated to the three loads
8/17/99	Product (gasoline) and water from Baker Tank #1 -- recovered from horizontal well and excavation operations at Hanna Creek	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		17534	Flammable liquid n.o.s (gasoline, water), 3, UN1203, PG II		5,400	550			550 gallons of gasoline recovered from excavation operations, and horizontal well - stored in Baker #1 and poly tank; product allocated to the three loads
8/19/99	Gasoline-contaminated absorbent pads and boom, from seeps on Hanna and Whalcom Creeks	Burlington Environmental, Inc.	Burlington Environmental, Inc., 20245 77th Avenue S, Kent WA 98032 (subsidiary - Philip Service Co.)	X		42703	Waste gasoline mixture, 3, UN1203, PG II			180.6		2,654	23 drums of absorbent boom and pads from seeps, skimming operations; actual weight will be calculated by TSD (2,654 lbs gross, 2,017 lbs net) used to determine gasoline fraction = 180.6 gallons
8/19/99	Used personal protective equipment (PPE) from remediation efforts	Burlington Environmental, Inc.	Burlington Environmental, Inc., 20245 77th Avenue S, Kent WA 98032 (subsidiary - Philip Service Co.)	X		42703	Material not regulated by DOT (PPE and debris)					279	9 drums of used PPE from site cleanup
8/23/99	Contaminated water from Baker Tank #1 -- recovered from excavation operations at Hanna Creek and horizontal well	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		18786	Waste Environmentally hazardous liquid, n.o.s (DO18), UN3082, PG III		8,000				Gasoline effect water; classify as non-RCRA
8/23/99	Contaminated water from Baker Tank #1 -- recovered from excavation operations at Hanna Creek and horizontal well	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		18785	Waste Environmentally hazardous liquid, n.o.s (DO18), UN3082, PG III		8,000				Gasoline effect water; classify as non-RCRA
8/24/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Olecler	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2900 104th St S, Lakewood WA 98499	X		A03-02428-240	Nonhazardous soil				25.49		Nominal 22cy in truck; weighed at TPS scales - 50,960 Lbs
8/24/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Olecler	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2900 104th St S, Lakewood WA 98499	X		A03-02428-241	Nonhazardous soil				28.82		Nominal 24cy in truck; weighed at TPS scales - 57,240 Lbs

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Final Disposal Tracking Inventory
Whitcom Creek Incident

Date	Received From: Location(s)	Transporter	Disposal Facility Location(s)	Lading	UHMW	Manifest No	Description	Time Received	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
8/24/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-242	Nonhazardous soil				25.73		Nominal 22cy in truck; weighed at TPS scales - 51,400 Lbs
8/24/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-243	Nonhazardous soil				24.72		Nominal 22cy in truck; weighed at TPS scales - 49,440 Lbs
8/24/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-244	Nonhazardous soil				23.33		Nominal 22cy in truck; weighed at TPS scales - 46,000 Lbs
8/24/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-245	Nonhazardous soil				25.67		Nominal 22cy in truck; weighed at TPS scales - 51,340 Lbs
8/24/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-246	Nonhazardous soil				27.36		Nominal 22cy in truck; weighed at TPS scales - 54,720 Lbs
8/24/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-247	Nonhazardous soil				26.29		Nominal 24cy in truck; weighed at TPS scales - 52,560 Lbs
8/24/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-248	Nonhazardous soil				27.37		Nominal 22cy in truck; weighed at TPS scales - 54,740 Lbs
8/24/99	Petroleum-contaminated soil (gasoline), Stockpile #3, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-249	Nonhazardous soil				22.66		Nominal 24cy in truck; weighed at TPS scales - 45,120 Lbs
8/24/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-250	Nonhazardous soil				26.24		Nominal 22cy in truck; weighed at TPS scales - 50,400 Lbs
8/24/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-251	Nonhazardous soil				26.46		Nominal 24cy in truck; weighed at TPS scales - 52,920 Lbs
8/24/99	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-252	Nonhazardous soil				23.56		Nominal 20cy in truck; weighed at TPS scales - 47,120 Lbs

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Final Disposal Tracking Inventory
Whalcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Loading	U/FWM	Manifest No	Description	Time:	Water Volume	Gasoline Volume	Soil	Other	Type of Waste
	Location(s)												
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #2, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-253	Nonhazardous soil				28.14		Nominal 24cy in truck; weighed at TPS scales - 58,280 Lbs
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #2/4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-254	Nonhazardous soil				23.71		Nominal 22cy in truck; weighed at TPS scales - 47,420 Lbs
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-255	Nonhazardous soil				24.17		Nominal 22cy in truck; weighed at TPS scales - 49,340 Lbs
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-256	Nonhazardous soil				23.89		Nominal 24cy in truck; weighed at TPS scales - 47,880 Lbs
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-257	Nonhazardous soil				25.28		Nominal 22cy in truck; weighed at TPS scales - 50,520 Lbs
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-258	Nonhazardous soil				23.72		Nominal 22cy in truck; weighed at TPS scales - 47,440 Lbs
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-259	Nonhazardous soil				28.18		Nominal 22cy in truck; weighed at TPS scales - 52,380 Lbs
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-260	Nonhazardous soil				25.33		Nominal 22cy in truck; weighed at TPS scales - 50,600 Lbs
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-261	Nonhazardous soil				21.98		Nominal 24cy in truck; weighed at TPS scales - 43,820 Lbs
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-262	Nonhazardous soil				23.45		Nominal 22cy in truck; weighed at TPS scales - 46,800 Lbs
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-263	Nonhazardous soil				21.87		Nominal 24cy in truck; weighed at TPS scales - 43,940 Lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility Location(s)	Lading	UNWM	Manifest No	Description	Time:	Waste Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Receive												
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-264	Nonhazardous soil				28.4		Nominal 22cy in truck; weighed at TPS scales - 52,800 Lbs
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-265	Nonhazardous soil				28.18		Nominal 24cy in truck; weighed at TPS scales - 52,320 Lbs
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-266	Nonhazardous soil				23.74		Nominal 20cy in truck; weighed at TPS scales - 47,480 Lbs
8/24/98	Petroleum-contaminated soil (gasoline), Stockpile #4, creek excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-267	Nonhazardous soil				29.83		Nominal 24cy in truck; weighed at TPS scales - 58,680 Lbs
8/28/98	Product (gasoline) and water from Baker Tank #1 - recovered from horizontal well and excavation operations at Hanna Creek	WestPac Environmental Inc.	Puget Sound Refining Co [Equilon], 8505 South Texas Road, Anacortes WA 98221	X		19788	Flammable liquid n.o.s (gasoline, water), 3, UN1203, PG II		4,552	448			448 gallons of gasoline recovered from horizontal well - stored in Baker #1
8/28/98	Contaminated water from Baker Tank #1 - recovered from excavation operations at Hanna Creek and horizontal well.	WestPac Environmental Inc.	Puget Sound Refining Co [Equilon], 8505 South Texas Road, Anacortes WA 98221	X		19788	Waste Environmentally hazardous liquid, n.o.s (DO18), UN3062, PG III		5,000				Gasoline effect water; classify as non-RCRA
8/30/98	Water recovered from horizontal well and excavation operations at Hanna Creek	Western Refinery Services	Puget Sound Refining Co [Equilon], 8505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (Load #1)	Waste Environmentally hazardous liquid (contaminated water), n.o.s (DO18), UN3062, PG III		3,150				Gasoline effect water; classify as non-RCRA
8/30/98	Water recovered from horizontal well and excavation operations at Hanna Creek	Western Refinery Services	Puget Sound Refining Co [Equilon], 8505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (Load #2)	Waste Environmentally hazardous liquid (contaminated water), n.o.s (DO18), UN3062, PG III		3,100				Gasoline effect water; classify as non-RCRA
8/31/98	Water recovered from horizontal well and excavation operations at Hanna Creek	Western Refinery Services	Puget Sound Refining Co [Equilon], 8505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (Load #3)	Waste Environmentally hazardous liquid (contaminated water), n.o.s (DO18), UN3062, PG III		3,150				Gasoline effect water; classify as non-RCRA
8/2/99	Used personal protective equipment (PPE), plastic, and all fence from remediation efforts	WestPac Environmental Inc.	Olympic View Sanitary Landfill, Inc., Bremerton, WA	X		Bill of lading #18621, Olympic View Sanitary Landfill Permit # 88- 083	Material not regulated by DOT (PPE and debris)					4,200	Nominal 12cy in roll off, weighed at Olympic View Sanitary Landfill scales - 33,480 Lbs (gross)

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Final Disposal Tracking Inventory
 Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility Location(s)	Lading	UHMW	Manifest No	Description	Time:	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Tons)	Type of Waste
	Receipt												
8/8/99	Water recovered from horizontal well and excavation operations at Hanna Creek	Western Refinery Services	Puget Sound Refining Co [Equilon], 8505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (no number assigned), Load #4	Environmentally hazardous substance (liquid), n o s (gasoline, xylene), UN3088, PG III		3.100				Gasoline effect water, classify as non-RCRA
8/8/99	Water recovered from horizontal well and excavation operations at Hanna Creek	Western Refinery Services	Puget Sound Refining Co [Equilon], 8505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (no number assigned), Load #5	Environmentally hazardous substance (liquid), n o s (gasoline, xylene), UN3088, PG III		3.200				Gasoline effect water, classify as non-RCRA
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2600 104th St S, Lakewood WA 98499	X		A03-02428-268	Nonhazardous soil				28.49		Nominal 24cy in truck; weighed at TPS scales - 58,800 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2600 104th St S, Lakewood WA 98499	X		A03-02428-268	Nonhazardous soil				25.55		Nominal 22cy in truck; weighed at TPS scales - 51,100 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2600 104th St S, Lakewood WA 98499	X		A03-02428-270	Nonhazardous soil				27.73		Nominal 24cy in truck; weighed at TPS scales - 55,400 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2600 104th St S, Lakewood WA 98499	X		A03-02428-271	Nonhazardous soil				30.48		Nominal 22cy in truck; weighed at TPS scales - 60,800 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2600 104th St S, Lakewood WA 98499	X		A03-02428-272	Nonhazardous soil				28.71		Nominal 24cy in truck; weighed at TPS scales - 57,420 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2600 104th St S, Lakewood WA 98499	X		A03-02428-273	Nonhazardous soil				29.3		Nominal 22cy in truck; weighed at TPS scales - 58,800 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2600 104th St S, Lakewood WA 98499	X		A03-02428-274	Nonhazardous soil				28.14		Nominal 22cy in truck; weighed at TPS scales - 58,260 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2600 104th St S, Lakewood WA 98499	X		A03-02428-275	Nonhazardous soil				29.04		Nominal 24cy in truck; weighed at TPS scales - 58,060 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2600 104th St S, Lakewood WA 98499	X		A03-02428-276	Nonhazardous soil				29.27		Nominal 22cy in truck; weighed at TPS scales - 58,540 Lbs

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Final Disposal Tracking Inventory
Whitcom Creek Incident

Date	Received From: Location(s)	Transporter	Disposal Facility Location(s)	Lading	UHMW	Manifest No	Description	Time: Receive	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-277	Nonhazardous soil				29.16		Nominal 22cy in truck; weighed at TPS scales - 56,320 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-278	Nonhazardous soil				29.25		Nominal 24cy in truck; weighed at TPS scales - 50,800 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-279	Nonhazardous soil				29.67		Nominal 24cy in truck; weighed at TPS scales - 53,340 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-280	Nonhazardous soil				24.85		Nominal 22cy in truck; weighed at TPS scales - 49,700 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-281	Nonhazardous soil				27.53		Nominal 24cy in truck; weighed at TPS scales - 55,000 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-282	Nonhazardous soil				24.99		Nominal 22cy in truck; weighed at TPS scales - 49,860 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-283	Nonhazardous soil				25.22		Nominal 22cy in truck; weighed at TPS scales - 50,440 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-284	Nonhazardous soil				25.17		Nominal 22cy in truck; weighed at TPS scales - 50,340 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-285	Nonhazardous soil				27.65		Nominal 22cy in truck; weighed at TPS scales - 55,300 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-286	Nonhazardous soil				26.86		Nominal 24cy in truck; weighed at TPS scales - 57,980 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-287	Nonhazardous soil				26.81		Nominal 24cy in truck; weighed at TPS scales - 53,620 Lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From: Location(s)	Transporter	Disposal Facility Location(s)	Loading	UNFWM	Manifest No	Description	Time: Receiv	Water Volume	Gasoline	Soil	Other	Type of Waste
									(Gallons)	(Gallons)	(Tons)	(Pounds)	
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02429-288	Nonhazardous soil				26.49		Nominal 24cy in truck; weighed at TPS scales - 52,860 Lbs
8/15/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02429-288	Nonhazardous soil				30.57		Nominal 22cy in truck; weighed at TPS scales - 61,140 Lbs
8/15/99	Water recovered from pipe line from hydro test	WestPac Environmental Inc.	Puget Sound Refining Co [Equilon], 8505 South Texas Road, Anacortes WA 98221	X		19982	Environmentally hazardous substance (liquid), n.o.s. (gasoline, xylene), UN3088, PG II		5,000				Gasoline affect water; classify as non-RCRA
8/15/99	Water recovered from pipe line from hydro test (1,000 gal) and horizontal well (4,000 gal)	WestPac Environmental Inc.	Puget Sound Refining Co [Equilon], 8505 South Texas Road, Anacortes WA 98221	X		19983	Environmentally hazardous substance (liquid), n.o.s. (gasoline, xylene), UN3088, PG II		5,000				Gasoline affect water; classify as non-RCRA
8/15/99	Water recovered 8/7/99 during a water leak in the 60" pipe excavation	Western Refinery Services	Puget Sound Refining Co [Equilon], 8505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (no number assigned). Load #6	Environmentally hazardous substance (liquid), n.o.s. (gasoline, xylene), UN3088, PG II		3,100				Gasoline affect water; classify as non-RCRA
8/16/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02429-280	Nonhazardous soil				25.86		Nominal 22cy in truck; weighed at TPS scales - 51,960 Lbs
8/16/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02429-291	Nonhazardous soil				26.21		Nominal 22cy in truck; weighed at TPS scales - 52,420 Lbs
8/16/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02429-292	Nonhazardous soil				27.41		Nominal 22cy in truck; weighed at TPS scales - 54,820 Lbs
8/16/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02429-293	Nonhazardous soil				26.79		Nominal 24cy in truck; weighed at TPS scales - 57,580 Lbs
8/16/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02429-294	Nonhazardous soil				26.34		Nominal 24cy in truck; weighed at TPS scales - 56,680 Lbs
8/16/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98489	X		A03-02429-295	Nonhazardous soil				25.9		Nominal 22cy in truck; weighed at TPS scales - 51,900 Lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UHWY	Manifest No	Description	Time:	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Receipt												
	Location(s)		Location(s)										
8/16/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-296	Nonhazardous soil				25.5		Nominal 22cy in truck; weighed at TPS scales - 51,000 Lbs
8/16/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03 02428-297	Nonhazardous soil				26.83		Nominal 22cy in truck; weighed at TPS scales - 53,680 Lbs
8/16/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03 02428-298	Nonhazardous soil				26.2		Nominal 24cy in truck; weighed at TPS scales - 52,400 Lbs
8/16/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-299	Nonhazardous soil				26.66		Nominal 24cy in truck; weighed at TPS scales - 57,360 Lbs
8/17/99	2,435 gal of water recovered 8/7/99 during a water leak in the 80" pipe excavation and 665 gallons of water from horizontal well	Western Refinery Services	Puget Sound Refining Co [Equilon], 6505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (no number assigned), Load #7	Environmentally hazardous substance (liquid), n o s (gasoline, xylene), UN3068, PG II		3,100				Gasoline effect water; classify as non-RCRA
8/20/99	Wash water from Bayview line	Western Refinery Services	Puget Sound Refining Co [Equilon], 6505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (no number assigned), Load #8	Environmentally hazardous substance (liquid), n o s (gasoline, xylene), UN3068, PG II		3,000				Gasoline effect water; classify as non-RCRA
8/20/99	10 cy of lightly gasoline contaminated organic debris such as leaves, hay, and branches	WestPac Environmental Inc.	Olympic View Sanitary Landfill, Inc. Bremerton, WA		X	Bill of lading # 777, Olympic View Sanitary Landfill Permit # 99-093	Material not regulated by D01 (organic debris)					Weight will be available at a later date	Nominal 10cy in roll off, weighed at Olympic View Sanitary Landfill scales - 777 Lbs (gross)
8/20/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-300	Nonhazardous soil				23.4		Nominal 22cy in truck; weighed at TPS scales - 46,800 Lbs
8/20/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-301	Nonhazardous soil				24.34		Nominal 22cy in truck; weighed at TPS scales - 48,660 Lbs
8/20/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-302	Nonhazardous soil				26.66		Nominal 22cy in truck; weighed at TPS scales - 57,360 Lbs
8/20/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03 02428-303	Nonhazardous soil				26.57		Nominal 22cy in truck; weighed at TPS scales - 53,140 Lbs

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Final Disposal Tracking Inventory
Whalcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UHMW	Manifest No	Description	Time:	Water Volume	Gasoline Volume	Soil	Other	Type of Waste
	Location(s)												
8/20/98	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-304	Nonhazardous soil				26.36		Nominal 22cy in truck; weighed at TPS scales - 52,720 Lbs
8/20/98	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-305	Nonhazardous soil				26.59		Nominal 22cy in truck; weighed at TPS scales - 53,160 Lbs
8/20/98	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-306	Nonhazardous soil				27.01		Nominal 22cy in truck; weighed at TPS scales - 54,020 Lbs
8/20/98	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-307	Nonhazardous soil				27.08		Nominal 22cy in truck; weighed at TPS scales - 54,180 Lbs
8/20/98	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-308	Nonhazardous soil				26.6		Nominal 22cy in truck; weighed at TPS scales - 51,200 Lbs
8/20/98	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-309	Nonhazardous soil				26.82		Nominal 22cy in truck; weighed at TPS scales - 53,840 Lbs
8/20/98	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-310	Nonhazardous soil				27.82		Nominal 22cy in truck; weighed at TPS scales - 55,840 Lbs
8/20/98	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-311	Nonhazardous soil				28.39		Nominal 22cy in truck; weighed at TPS scales - 58,720 Lbs
8/20/98	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-312	Nonhazardous soil				25.21		Nominal 22cy in truck; weighed at TPS scales - 50,420 Lbs
8/20/98	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-313	Nonhazardous soil				26.82		Nominal 22cy in truck; weighed at TPS scales - 53,840 Lbs
8/20/98	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-314	Nonhazardous soil				26.26		Nominal 22cy in truck; weighed at TPS scales - 52,520 Lbs

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Final Disposal Tracking Inventory
Whalcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UNHM	Manifest No	Description	Time:	Water Volume	Gasoline	Soil	Other	Type of Waste
										Volume	(Tons)	(Pounds)	
	Location(s)		Location(s)					Receipt	(Gallons)	(Tons)	(Pounds)		
8/20/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-315	Nonhazardous soil				25.89		Nominal 22cy in truck; weighed at TPS scales - 51,800 Lbs
8/20/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-316	Nonhazardous soil				28.81		Nominal 22cy in truck; weighed at TPS scales - 57,820 Lbs
8/20/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-317	Nonhazardous soil				30.15		Nominal 22cy in truck; weighed at TPS scales - 60,300 Lbs
8/20/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-318	Nonhazardous soil				27.82		Nominal 24cy in truck; weighed at TPS scales - 55,640 Lbs
8/20/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-319	Nonhazardous soil				28.97		Nominal 22cy in truck; weighed at TPS scales - 53,940 Lbs
8/20/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-320	Nonhazardous soil				25.13		Nominal 24cy in truck; weighed at TPS scales - 50,280 Lbs
8/20/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-321	Nonhazardous soil				27.89		Nominal 22cy in truck; weighed at TPS scales - 55,760 Lbs
8/21/99	Baker tank water from the horizontal well	Western Refinery Services	Fugate Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (no number assigned), Load #9	Environmentally hazardous substance (liquid), n.o.s. (gasoline, xylene), UN3086, PG II		3,050				Gasoline affect water; classify as non-RCRA
8/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-322	Nonhazardous soil				28.08		Nominal 22cy in truck; weighed at TPS scales - 52,120 Lbs
8/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-323	Nonhazardous soil				28.13		Nominal 22cy in truck; weighed at TPS scales - 52,280 Lbs
8/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-324	Nonhazardous soil				25.46		Nominal 24cy in truck; weighed at TPS scales - 50,860 Lbs

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Final Disposal Tracking Inventory
Whalcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Loading	U/H/W/M	Manifest No	Description	Time:	Water Volume	Gasoline	Soil	Other	Type of Waste
	Location(s)									Volume (Gallons)			
9/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-325	Nonhazardous soil				27.07		Nominal 22cy in truck; weighed at TPS scales - 54,140 Lbs
9/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-326	Nonhazardous soil				26.8		Nominal 24cy in truck; weighed at TPS scales - 53,800 Lbs
9/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-327	Nonhazardous soil				27.31		Nominal 24cy in truck; weighed at TPS scales - 54,620 Lbs
9/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-328	Nonhazardous soil				25.47		Nominal 22cy in truck; weighed at TPS scales - 50,840 Lbs
9/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-329	Nonhazardous soil				26.66		Nominal 22cy in truck; weighed at TPS scales - 53,300 Lbs
9/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-330	Nonhazardous soil				26.67		Nominal 24cy in truck; weighed at TPS scales - 53,340 Lbs
9/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-331	Nonhazardous soil				27.83		Nominal 22cy in truck; weighed at TPS scales - 55,800 Lbs
9/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-332	Nonhazardous soil				25.26		Nominal 24cy in truck; weighed at TPS scales - 50,600 Lbs
9/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-333	Nonhazardous soil				24.6		Nominal 22cy in truck; weighed at TPS scales - 49,800 Lbs
9/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-334	Nonhazardous soil				26.58		Nominal 24cy in truck; weighed at TPS scales - 57,180 Lbs
9/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-335	Nonhazardous soil				30.8		Nominal 22cy in truck; weighed at TPS scales - 61,000 Lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UNHWM	Manifest No	Description	Time:	Water Volume	Gasoline Volume	Soil	Other	Type of Waste
	Location(s)		Location(s)										
8/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-336	Nonhazardous soil				26.73		Nominal 24cy in truck; weighed at TPS scales - 57,460 Lbs
8/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-337	Nonhazardous soil				26.95		Nominal 22cy in truck; weighed at TPS scales - 57,900 Lbs
8/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-338	Nonhazardous soil				26.9		Nominal 24cy in truck; weighed at TPS scales - 57,800 Lbs
8/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-339	Nonhazardous soil				27.61		Nominal 22cy in truck; weighed at TPS scales - 55,220 Lbs
8/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-340	Nonhazardous soil				26.38		Nominal 24cy in truck; weighed at TPS scales - 56,760 Lbs
8/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-341	Nonhazardous soil				27.75		Nominal 24cy in truck; weighed at TPS scales - 55,500 Lbs
8/21/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-342	Nonhazardous soil				30.29		Nominal 24cy in truck; weighed at TPS scales - 60,660 Lbs
8/23/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-343	Nonhazardous soil				27.35		Nominal 24cy in truck; weighed at TPS scales - 54,700 Lbs
8/23/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-344	Nonhazardous soil				25.8		Nominal 22cy in truck; weighed at TPS scales - 51,600 Lbs
8/23/99	Petroleum-contaminated soil (gasoline), Stockpile #1, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-345	Nonhazardous soil				25.32		Nominal 22cy in truck; weighed at TPS scales - 50,640 Lbs
8/23/99	Petroleum-contaminated soil (gasoline), Stockpile #1/3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-346	Nonhazardous soil				27.1		Nominal 24cy in truck; weighed at TPS scales - 54,200 Lbs

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Final Disposal Tracking Inventory
Whetcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UHWM	Manifest No	Description	Time:	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Receive												
Location(s)		Location(s)											
8/23/99	Petroleum-contaminated soil (gasoline), Stockpiles #1/3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-347	Nonhazardous soil				27.73		Nominal 24cy in truck; weighed at TPS scales - 55,480 Lbs
8/23/99	Petroleum-contaminated soil (gasoline), Stockpiles #1/3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-348	Nonhazardous soil				26.75		Nominal 24cy in truck; weighed at TPS scales - 53,500 Lbs
8/23/99	Petroleum-contaminated soil (gasoline), Stockpiles #1/3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-349	Nonhazardous soil				24.23		Nominal 22cy in truck; weighed at TPS scales - 48,400 Lbs
8/23/99	Petroleum-contaminated soil (gasoline), Stockpiles #1/3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-350	Nonhazardous soil				24.07		Nominal 22cy in truck; weighed at TPS scales - 48,140 Lbs
8/23/99	Petroleum-contaminated soil (gasoline), Stockpiles #1/3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-351	Nonhazardous soil				27.07		Nominal 22cy in truck; weighed at TPS scales - 54,140 Lbs
8/23/99	Petroleum-contaminated soil (gasoline), Stockpiles #1/3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-352	Nonhazardous soil				23.51		Nominal 24cy in truck; weighed at TPS scales - 47,070 Lbs
8/24/99	Water recovered from pipe line from hydro test	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		19810	Environmentally hazardous substance (liquid), n o s (gasoline, xylene), UN3082, PG III		5,000				Gasoline effect water; classify as non-RCRA
8/24/99	Water from horizontal well	WestPac Environmental Inc.	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		19811	Environmentally hazardous substance (liquid), n o s (gasoline, xylene), UN3082, PG III		4,750				Gasoline effect water; classify as non-RCRA, sample WCI-BTW-91599-1
8/26/99	Petroleum-contaminated soil (gasoline), Stockpiles #2/3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-353	Nonhazardous soil				26.8		Nominal 24cy in truck; weighed at TPS scales - 54,240 Lbs
8/26/99	Petroleum-contaminated soil (gasoline), Stockpiles #2/3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-354	Nonhazardous soil				27.12		Nominal 22cy in truck; weighed at TPS scales - 54,240 Lbs
8/26/99	Petroleum-contaminated soil (gasoline), Stockpiles #2/3, pipe excavation by GeoEng/Glacier	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02428-355	Nonhazardous soil				26.3		Nominal 24cy in truck; weighed at TPS scales - 50,000 Lbs

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Final Disposal Tracking Inventory
Whalcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UHMW	Manifest No	Description	Time: Receive	Water Volume (Gallons)	Gasoline Volume (Gallons)	Soil (Tons)	Other (Pounds)	Type of Waste
	Location(s)												
8/28/99	Petroleum-contaminated soil (gasoline), Stockpile #2/3, pipe excavation by GeoEng/Glaesler	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-356	Nonhazardous soil				27.31		Nominal 22cy in truck; weighed at TPS scales - 54,620 Lbs
9/28/99	10 cy of lightly gasoline contaminated plastic and PPE	WestPac Environmental Inc.	Olympic View Sanitary Landfill, Inc., Bremerton, WA	X		Bill of lading #19812, Olympic View Sanitary Landfill Permitt # 99-093	Material not regulated by DOT					Weight will be available at a later date	Nominal 10cy in roll off; weighed at Olympic View Sanitary Landfill scales - 777 Lbs (gross)
10/4/99	2,000 gal from excavation and 1,100 gal from Baker tank water from the horizontal well	Western Refinery Services	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (no number assigned), Load #10	Nonhazardous liquid		3,100				Gasoline effect water; classify as non-RCRA, sample WCI-PT-93089-1 and WCI-BTW-91589-1
10/4/99	3,000 gal from Baker tank water from the horizontal well	Western Refinery Services	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (no number assigned), Load #11	Nonhazardous liquid		3,000				Gasoline effect water; classify as non-RCRA, sample WCI-BTW-91589-1
10/5/99	2,000 gal from excavation	Western Refinery Services	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (no number assigned), Load #12	Nonhazardous liquid		3,100				Gasoline effect water; classify as non-RCRA, sample WCI-BTW-91589-1
10/5/99	3,100 gal from Baker tank water from the horizontal well	Western Refinery Services	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (no number assigned), Load #13	Nonhazardous liquid		3,100				Gasoline effect water; classify as non-RCRA, sample WCI-BTW-91589-1
10/6/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by Snelson	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-357	Nonhazardous soil					Weight will be available at a later date	Nominal 22cy in truck; weighed at TPS scales - 777 Lbs
10/6/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by Snelson	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-358	Nonhazardous soil					Weight will be available at a later date	Nominal 22cy in truck; weighed at TPS scales - 777 Lbs
10/6/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by Snelson	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-359	Nonhazardous soil					Weight will be available at a later date	Nominal 24cy in truck; weighed at TPS scales - 777 Lbs
10/6/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by Snelson	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-360	Nonhazardous soil					Weight will be available at a later date	Nominal 22cy in truck; weighed at TPS scales - 777 Lbs
10/6/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by Snelson	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-361	Nonhazardous soil					Weight will be available at a later date	Nominal 22cy in truck; weighed at TPS scales - 777 Lbs
10/6/99	Petroleum-contaminated soil (gasoline), Stockpile #3, pipe excavation by Snelson	City Transfer, Inc. P.O. Box 1048, Kent WA 98035	TPS Technologies, Inc., 2800 104th St S, Lakewood WA 98499	X		A03-02429-362	Nonhazardous soil					Weight will be available at a later date	Nominal 24cy in truck; weighed at TPS scales - 777 Lbs

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Final Disposal Tracking Inventory
Whatcom Creek Incident

Date	Received From:	Transporter	Disposal Facility	Lading	UHW	Manifest No	Description	Time:	Water Volume	Gasoline	Soil	Other	Type of Waste
	Location(s)		Location(s)					Receipt	(Gallons)	(Gallons)	(Tons)	(Pounds)	
10/7/99	3,100 gal from Baker tank water from the horizontal well	Western Refinery Services	Puget Sound Refining Co (Equilon), 8505 South Texas Road, Anacortes WA 98221	X		Straight bill of lading (no number assigned), Load #14	Nonhazardous liquid		3,100				Gasoline affect water, classify as non-RCRA, sample WCI BTW-91509-1

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**Final Disposal Tracking Inventory
Whatcom Creek Incident**

Date	Received From:	Transporter	Disposal Facility Location(s)	Loading	UHWM	Manifest No	Description	Time: Receive	Water Volume	Gasoline	Soil	Other	Type of Waste
	Location(s)								(Gallons)	(Gallons)	(Tons)	(Pounds)	
									289,994	18,717	9,828	15,053	
							Nonhazardous soil	Totals:					

Offsite Disposal	gallons	tons	lbs
Hazardous liquids	115,725	0	0
Hazardous solids	0	0	7810
Nonhazardous liquids	174,269	0	0
Nonhazardous solids	0	9,828	0
Recovered product from seeps and creeks	1,565	0	0
Product recovered from pipeline	6,836	0	0
Product recovered from excavations	5,448	0	0
Product recovered from horizontal well	2,848	0	0

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