Snohomish County
PUBLIC WORKS
SURFACE WATER MANAGEMENT
(425) 388-3464

Snohomish County Public Works
Surface Water Management
Storm Water Compliance Inspection Form
Industrial Sites
Version 1.2 10/06

Section A: General Data

Steve B + Carol A

Inspection Date: (MM/DD/YY) 03/28/07	Lead Inspector Name: Chris Daw / Megan Wisdom	Weather at time of Inspection: Sunny
Entry Time: 12:45	Exit Time: 2:30	Receiving Waters: North Creek

Section B: Facility Data

Name and Location:	Cascade Auto Wrecking: Open M-F 9-6 + Sat. 9-4 18412 Bothell Everett Hwy S.E Bothell 98012		
Names of On-Site Representatives Jerry Lral	Titles Manager	Ph: 425-338-1922	Other participants: - Allerwood W+WW Heather + Kreu - Ecology - Chris + Megan - Pat M - Metro King Co
Name and Address of Responsible Official Steve White Contacted ☐ Yes ☒ No	Title Owner	Ph:	
Facility Type			
SIC Code			

Inspection Type

☒ Unannounced ☐ Announced ☐ Follow up

☒ First Inspection ☐ Second Inspection ☐ Response to Complaint

☐ Compliance audit ☐ Compliance Sampling ☐ Enforcement Case Support

General Information

Is the facility covered under a storm water permit?

☒ General Industrial ☐ Individual NPDES SWPPP Available? ☐ Yes ☒ No
☐ No, doesn't need coverage SWPPP Onsite? ☐ Yes ☒ No

Is the facility covered under any other permits? (check all that apply)

☐ Air quality ☐ Solid Waste Handling ☐ Other:_____

Did Snohomish County provide SCC 7.53 or other materials to the facility representative?
☒ Yes ☐ No Other materials supplied:_____

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Section C: Areas Evaluated During Inspection

☐	Permit	☒	Op. & Maint.	☐	SWPPP - not available	☐	TESC
☒	Point of Compliance	☐	DMRs	☒	Onsite drainage system	☐	Other:

to Permit Sample Point

Section D: Activities Assessment Checklist

BMP Effectiveness: N = Not Implemented; P = Poorly Implemented; A = Adequately Implemented; N/A = Not Applicable

	Activities	BMP Effectiveness N	P	A	N/A	Comments
Minimum BMPs required and applicable to all facilities	Termination of all non-stormwater discharges to storm drain.		✓			illict connection from o/w Seperator home made centrifuge to storm drain
	General Good Housekeeping		✓			Process areas not clean
	Regular, scheduled preventative maintenance		✓			oil sludge in o/w seperator — fire rack over one o/w sep. lid. 2½" of oil on top 6" of sludge on bottom of o/w sep. fueling area waste water
	Spill prevention and control procedures in place					
	Soil erosion control (TESC)				✓	
	Employee training program on storm water issues					
	Post on-site storm drains to indicate they are not to receive contaminants		✓			not marked
	Regular cleaning of storm drain system		✓			
	Storm water runoff routed around operating, processing, fueling, cleaning and storage areas		✓			CB just s of office receives storwater that ~~discharge~~ receives
	Pollution control device (O/W separator) functioning properly		✓			needs maintenance
Vehicle & Equipment fueling	Fueling area design minimizes storm water exposure		✓			fueling done on gravel
	Covered fueling area		✓			" "
	Perimeter drain or pavement sloped to containment sump or sanitary sewer		✓			no drain to sump
	Above ground tanks with spill containment		✓			Spill containment pad full of water
	Emergency spill response and clean up plan onsite				?	
Vehicle & Equipment Washing	Use off-site commercial washing and cleaning business				✓	
	Cover designated wash area, discharge to sump or sewer				✓	
	Water recirculation/reclamation system used				✓	
	Portable containment and vacuum collection of wastewater				✓	
	On-site washing by vendor, wastewater disposal off-site				✓	
	On-site washing by vendor, waste water collected and disposed of on-site				✓	

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	Activities	BMP Effectiveness				Comments
		N	P	A	N/A	
Vehicle & Equipment Maintenance	Inspect equipment for leaks					
	Use drip pans or containers under parts or equipment that drips			✓		
	Remove batteries and liquids from equipment in designated area to prevent stormwater contamination			✓		
	Empty oil and fuel filters before disposal. Properly recycle or dispose of waste oil and fuel		✓			some waste oil to storm drains processing area
	Containment of washwater, liquids wastes to prevent contamination of storm or surface water			✓		
	Shop floor drains conveyed to sanitary sewer		✓			drains in process area to storm
	Maintenance and repair under cover in containment area sloped to sump or sewer		✓			drains to ground - sheet flow
	Inspect all BMPs regularly, particularly after a significant storm. Identify and correct deficiencies.				?	Ask Steve - owner Jerry never known system to be inspected
	Avoid hosing down work areas		✓			process areas hosed to storm
Parking & Storage of Vehicles	Washing of parking areas to sanitary sewer (if allowed by local sewer authority)		✓			few cars washed in fuel processing area Dont wash cars here.
	Sweep lots, storage areas and driveways regularly				✓	gravel lots
	Applicable treatment BMP (O/W Separator) installed, and functioning properly		✓			o/w stp needs maintenance
	Park large mobile equipment in a designated contained area		✓			~~not~~ Fork lifts not always stored in designated area
Storage of Liquid, Food Waste, or Dangerous Waste Containers	Store containers in designated area, which is covered, bermed, diked or paved and impervious		✓			no berms/dikes around concrete pads
	Regular inspection of container areas for corrosion, structural failure, leaks, overfills etc.				?	Ask Steve (owner)
	Surround liquid waste containers with a dike of sufficient height to provide 110 % containment		✓			no dikes
	Secure drums in public places to prevent accidental spillage, or authorized use			✓		oil + bad grease under cover in process area
	Storage of reactive, ignitable, or flammable liquids must comply with Uniform Fire Code				?	
	Cover dumpsters, or prevent entry of stormwater. Replace or repair leaking dumpsters			✓		dumpster covered
	Keep containers with dangerous waste, food waste or other potential pollutants inside a building unless constrained by fire code			✓		
	Drip pans beneath all mounted container taps			✓		
	Tight fitting lids on all containers			✓		
Spills of Oil and Hazardous Substances	Preparation and implementation of spill control plan (SCP)				?	Ask Steve
	Train key personnel in implementation of SCP					
	Update SCP regularly					
	Immediate notification of Ecology and local sewer authority if a spill may reach sanitary or storm sewers, ground or surface waters					

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Activities		BMP Effectiveness				Comments
		N	P	A	N/A	
Spills of Oil and Hazardous Substances	Immediately clean up spills. Do not use emulsifiers for clean up unless appropriate disposal method is employed		✓			Kits not available for quick use
	Locate emergency spill containment and cleanup kits in high potential spill areas.		✓			not available for quick use
	Spill kits appropriate for the type and quantities of chemical liquids stored at the facility				?	They should buy new ones
	Spill kits to include: Lined drums, absorbent pads, granular or powdered materials for neutralizing acids or alkaline liquids.		✓			spill kits not adequately located + signed
Loading and Unloading for Liquid or Solid Material	Sweep surfaces routinely to remove material washed into storm drains				✓	gravel lot
	Place drip pans, or other appropriate containment devices at locations where leaks or spills may occur		✓			fuel process area needs help
	Develop operations plan describing procedures for loading and unloading				?	Ask Steve
	Consistent with Uniform Fire Code, conduct loading or unloading under appropriate cover			✓		
	Berm, dike and/or slope loading/unloading area to prevent run-on of stormwater and runoff of spill material		✓			need berms around process area
	Pave and slope loading/unloading area to prevent pooling of water			✓		
	Install/maintain overhangs, or door skirts at loading/unloading docks to prevent contact with rainwater				✓	
	Slope. Berm or dike transfer area to dead end sump, spill containment sump, a spill control oil/water separator or other spill control device		✓			to storm drain
	Volume of spill containment sump should be minimum of 50 gallons with adequate grit sedimentation volume				✓	
Storage or Transfer of Solid Raw Materials, By-Products or Finished Products	Do not hose down the contained stockpile area to a storm drain or conveyance to a storm drain or to a receiving water				✓	don't hose gravel lot
	Pave the area and install an appropriate drainage system. Place curbs or berms around area to prevent run-on and convey run-off to treatment				✓	
	For stockpiles greater than 5 cubic yards, store in a building or paved and bermed covered area				✓	
	For stock piles that can not be covered, implement containment practices at perimeter to prevent erosion and discharge from stockpiles to storm drains				✓	
	Place temporary plastic sheeting over material				✓	
	Convey contaminant stormwater from stockpile area to a wet pond, wet vault, settling basin, media filter, or other appropriate treatment system				✓	
	Sweep paved areas regularly for collection and disposal of loose solid materials				✓	
	If feasible, collect and recycle water soluble materials (leachates) to the stockpile				✓	

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Activities		BMP Effectiveness				Comments
		N	P	A	N/A	
Painting/Finishing/Coating of Vehicles/Boats/Equipment	Train employees in application of products to reduce misuse or overspray				✓	
	Do not conduct spraying, blasting, or sanding activity over water or where it may blow into water				✓	
	Wipe up spills with rags or other absorbent material immediately.				✓	
	Do not hose down area to storm drain or receiving water				✓	
	Use a storm drain cover, filter fabric or similar effective device if dust grit, or other pollutants escape work area				✓	
	Collect contaminated runoff and solids and properly dispose of waste				✓	
	Use ground cloth, drum, drip pan or other protective device for activities such as paint mixing or tool cleaning where spills could contaminate stormwater				✓	
	Store toxic materials under cover during rain events and when not in use to prevent contact with stormwater				✓	
	Clean paintbrushes and tools covered with water based paints in sinks connected to sanitary sewer				✓	
	Recycle paint, paint thinner, solvents, pressure washwater and other recyclable materials				✓	

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Section E: Summary of Findings/Comments

This report is furnished to the facility representative as a measure to evaluate implementation of best management practices at your facility to prevent storm water pollution. Your facility may be subject to an enforcement action if the noted deficiencies are not corrected in a timely manner. Upon completion of corrective action, contact the undersigned between 8:00am and 5:00pm Monday – Friday for compliance verification.

Name and Signature of Inspector(s)	Agency/Office/Ph	Date
Steve Britsch	Sno Co SWM 425-388-3464	3/28/07
Facility Representative Signature:		
Print Name of Facility Representative: Jerry R Lidl Jr		

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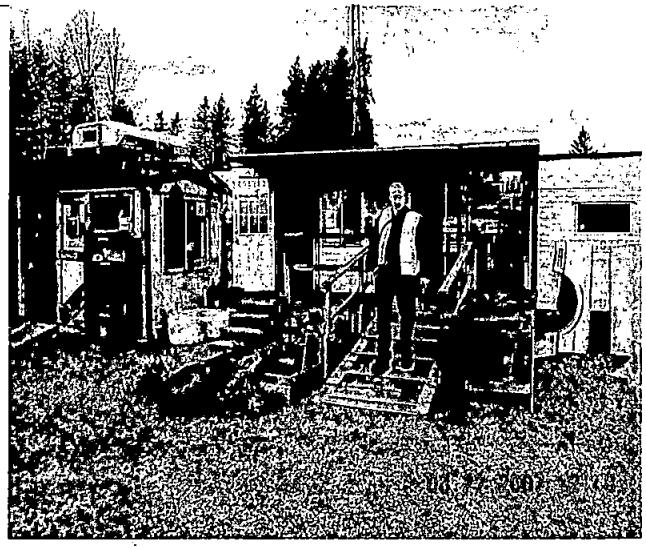
Photographic Records: Case # 20070047 / Cascade Auto & Truck Wrecking

Photo No.:	20070047001
Date:	3/28/2007
GPS Loc:	N. 1301839.5 E. 306143.78
Subbasin:	North Creek
Direction Facing:	N
Taken By:	Steve Britsch
Witness:	Megan Wisdom
Camera:	Nikon CoolPix 5400 Serial # 3715108



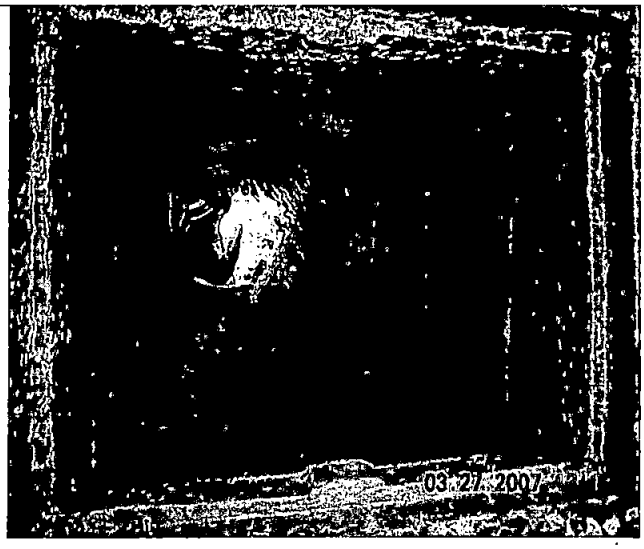
Comments: South side of Cascade Auto Wrecking office

Photo No.:	20070047002
Date:	3/28/2007
GPS Loc:	N. 1301839.5 E. 306143.78
Subbasin:	North Creek
Direction Facing:	SW
Taken By:	Steve Britsch
Witness:	Megan Wisdom
Camera:	Nikon CoolPix 5400 Serial # 3715108

Comments: Establishing shot of processing area

Photographic Records: Case # 20070047 / Cascade Auto & Truck Wrecking

Photo No.:	20070047003
Date:	3/28/2007
GPS Loc:	N. 1301839.5 E. 306143.78
Subbasin:	North Creek
Direction Facing:	S
Taken By:	Steve Britsch
Witness:	Megan Wisdom
Camera:	Nikon CoolPix 5400 Serial # 3715108



Comments: Catch basin at end of Cascade system receives waste water from onsite (top of photo) and surface waters from offsite (bottom of photo) before discharging onto Verbeek site.

Photo No.:	20070047005
Date:	3/28/2007
GPS Loc:	N. 1301839.5 E. 306143.78
Subbasin:	North Creek
Direction Facing:	SW
Taken By:	Steve Britsch
Witness:	Megan Wisdom
Camera:	Nikon CoolPix 5400 Serial # 3715108

Comments: PVC pipes (both stained) discharge sheet flow into catch basin at end of Cascade system.

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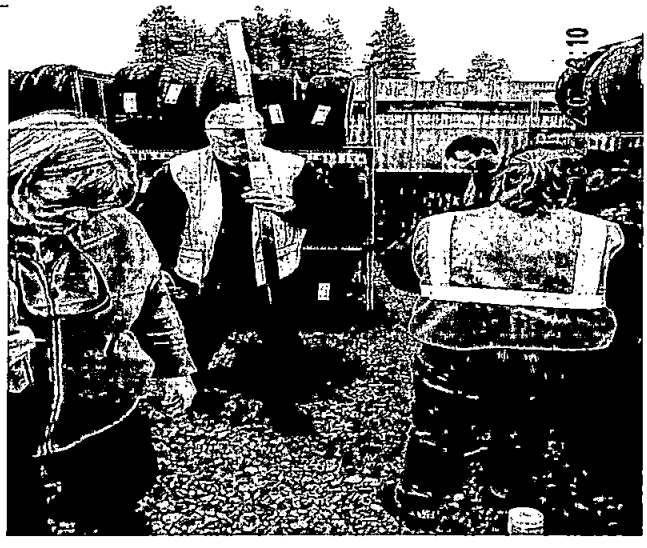
Photographic Records: Case # 20070047 / Cascade Auto & Truck Wrecking

Photo No.:	20070047007
Date:	3/28/2007
GPS Loc:	N. 1301839.5 E. 306143.78
Subbasin:	North Creek
Direction Facing:	S
Taken By:	Steve Britsch
Witness:	Megan Wisdom
Camera:	Nikon CoolPix 5400 Serial # 3715108

Comments: Catch basin at end of storm water system on Cascade site. Note prolific growth of iron bacteria.

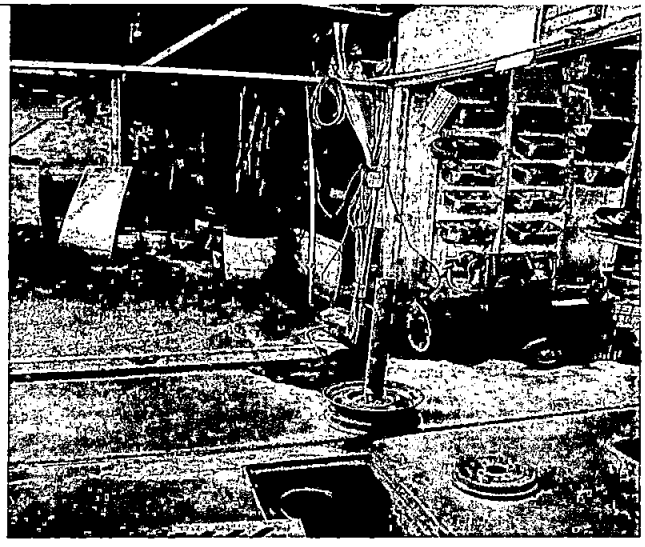
Photo No.:	20070047010
Date:	3/28/2007
GPS Loc:	N. 1301839.5 E. 306143.78
Subbasin:	North Creek
Direction Facing:	E
Taken By:	Steve Britsch
Witness:	Megan Wisdom
Camera:	Nikon CoolPix 5400 Serial # 3715108



Comments: Ken Renfro testing Cascade oil water seperator for sludge. Oil surface scum was 2.5 inches thick and sump sludge approximately 6 inches deep.

Photographic Records: Case # 20070047 / Cascade Auto & Truck Wrecking

Photo No.:	20070047012
Date:	3/28/2007
GPS Loc:	N. 1301839.5 E. 306143.78
Subbasin:	North Creek
Direction Facing:	S
Taken By:	Steve Britsch
Witness:	Megan Wisdom
Camera:	Nikon CoolPix 5400 Serial # 3715108



Comments: Processing area. Note discharge of fluids near tank labeled "gas" to storm drain. This drain was dye tested and found to discharge into the Verbeek site and head south daylighting near Golds Gym.

Photo No.:	20070047014
Date:	3/28/2007
GPS Loc:	N. 1301839.5 E. 306143.78
Subbasin:	North Creek
Direction Facing:	S
Taken By:	Steve Britsch
Witness:	Megan Wisdom
Camera:	Nikon CoolPix 5400 Serial # 3715108

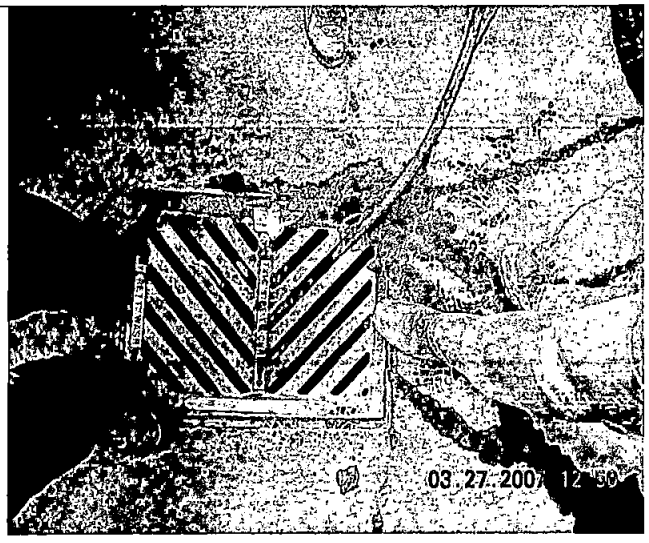
Comments: Overhead view of one of four catch basins in process area.

Photographic Records: Case # 20070047 / Cascade Auto & Truck Wrecking

Photo No.:	20070047015
Date:	3/28/2007
GPS Loc:	**N.** 1301839.5 **E.** 306143.78
Subbasin:	North Creek
Direction Facing:	W
Taken By:	Steve Britsch
Witness:	Megan Wisdom
Camera:	Nikon CoolPix 5400 Serial # 3715108

Comments: Process area. Note ineffective berm, badly stained concrete pad and white PVC pipe sending oily waste from catch basin to an onsite "oil/water seperator" and then back to the storm drain system.

Photo No.:	20070047016
Date:	3/28/2007
GPS Loc:	**N.** 1301839.5 **E.** 306143.78
Subbasin:	North Creek
Direction Facing:	S
Taken By:	Steve Britsch
Witness:	Megan Wisdom
Camera:	Nikon CoolPix 5400 Serial # 3715108



Comments: One of four catch basins in processing area. This one receives discharge through the red hose from their "oil water seperator". This catch basin was dye tested and found to be discharging to surface waters.

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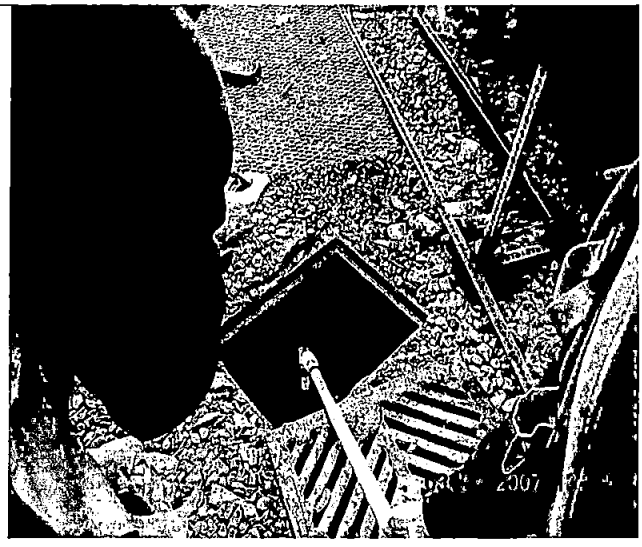
Photographic Records: Case # 20070047 / Cascade Auto & Truck Wrecking

Photo No.:	20070047017
Date:	3/28/2007
GPS Loc:	N. 1301839.5 E. 306143.78
Subbasin:	North Creek
Direction Facing:	S
Taken By:	Steve Britsch
Witness:	Cami Apfelbeck
Camera:	Nikon CoolPix 5400 Serial # 3715108



Comments: Sampling catch basin at end of Cascade system to show that dye was discharging here from the processing area.

Photo Addendum Verbeek 3-28-2007

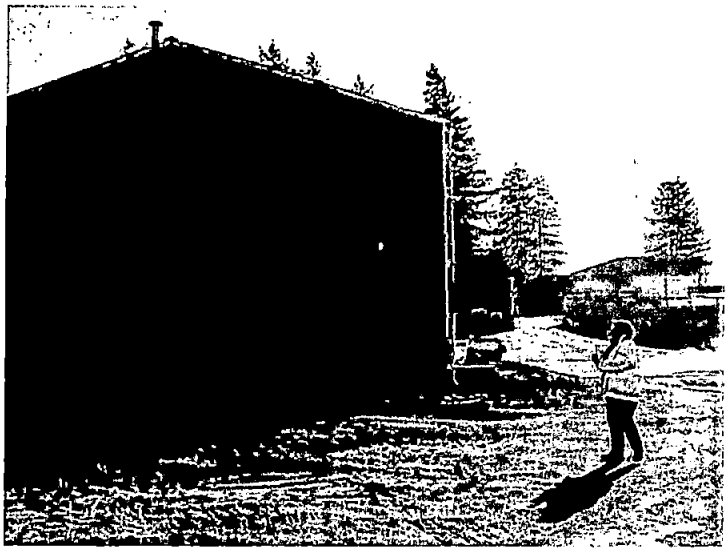
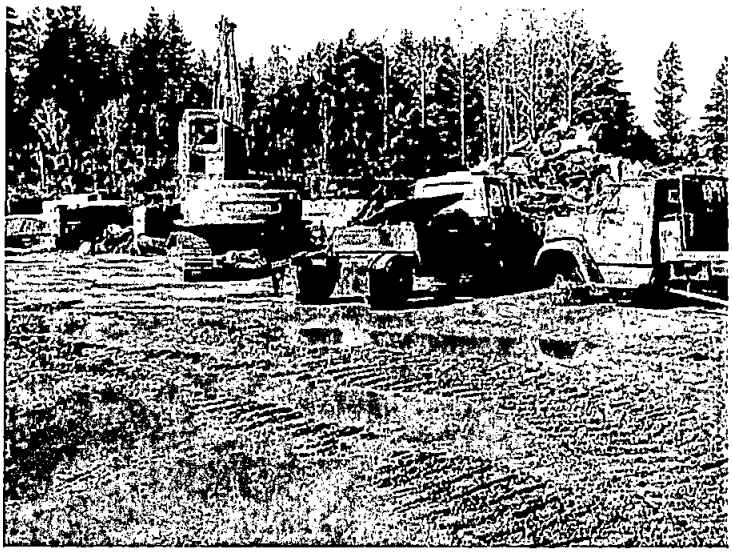
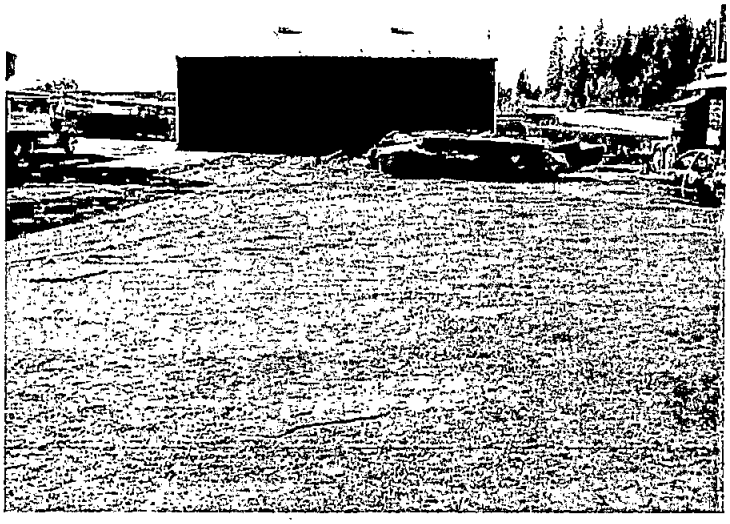


Photo # P3280001 Description: Smoke coming from building and "bus dump" during smoke testing



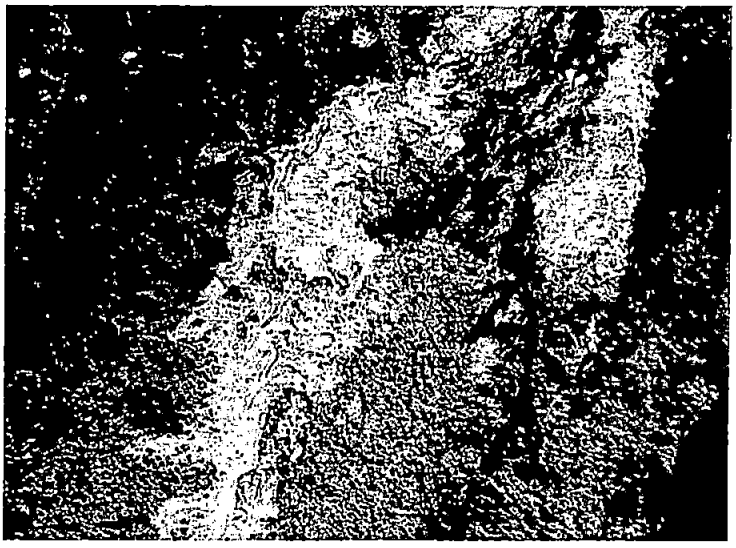
P3280002 Area where scrap metal is piled



P3280003 Auto crushing area has catch basin near the center to drain this area.

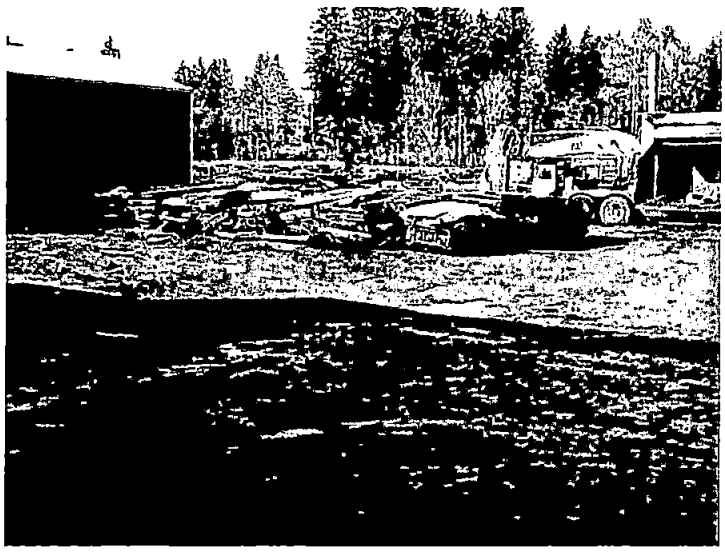
P3280004 Example of what the ground looks like in auto crushing area

P3280005 Fluids allowed to drain straight to the ground



P3280006 One example of fluids on the ground in the auto crushing area

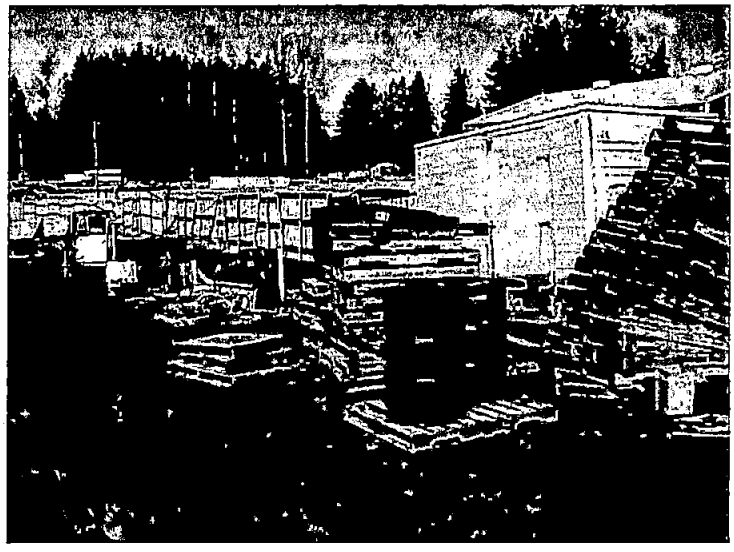
Photo Addendum Verbeek 3-28-2007



P3280007 Auto crushing area, wet appearance is primarily oil, antifreeze and other vehicle fluids allowed to drain straight to the ground

P3280008 Fluid draining area is under cover. Observed fluid draining into buckets and splashing on ground. No drains in this area. Ms. West explained everything drains to catch basin in auto crushing area.

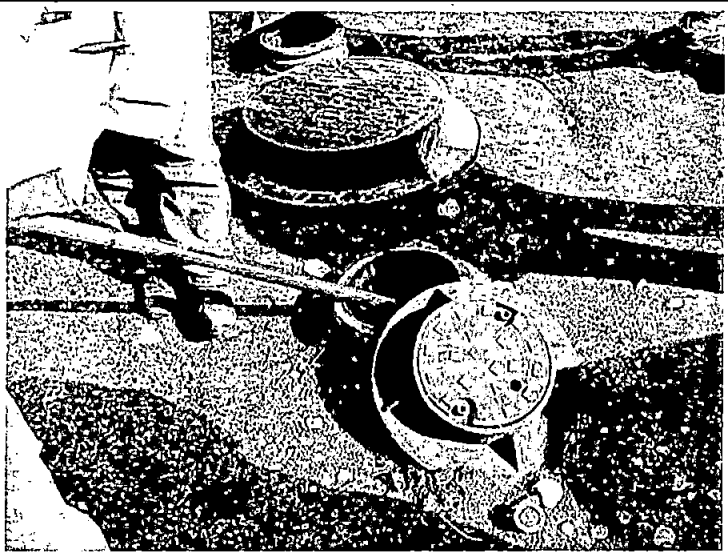
P3280009 Storage lot



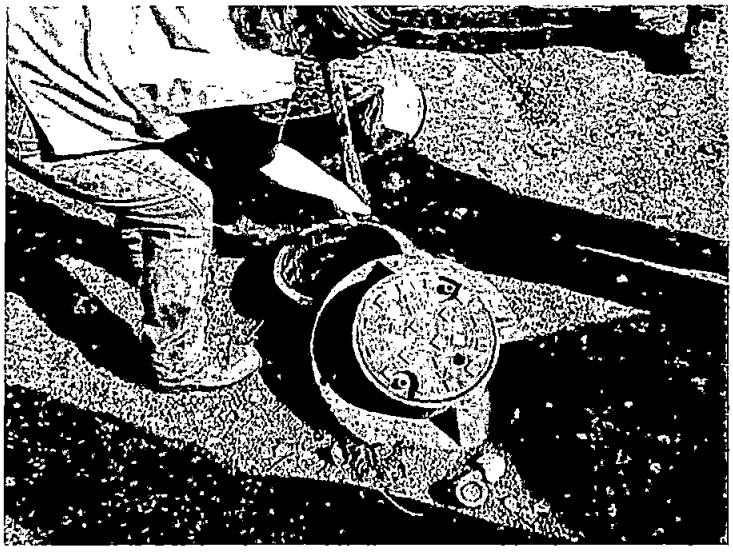
P3280010 Ms. West said that the drums stored in this area were empty waiting to be used for chemical storage.

P3280011 Catch basin that drains from Cascade Auto Wrecking

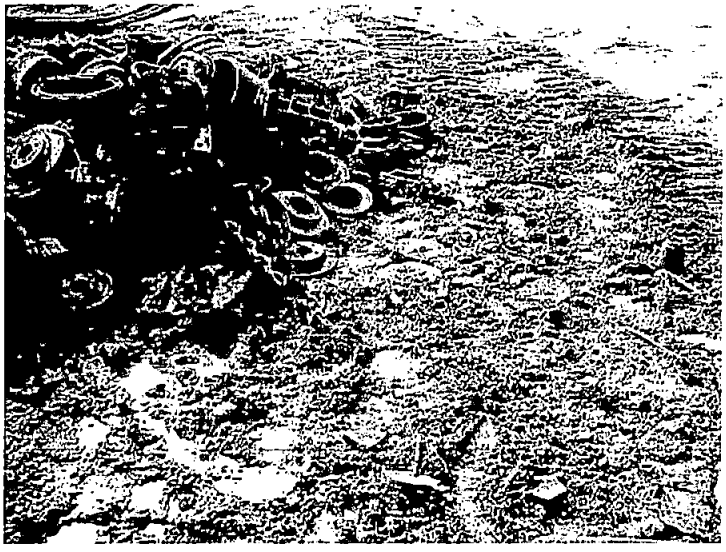
P3280012 Inspection of oil water separator



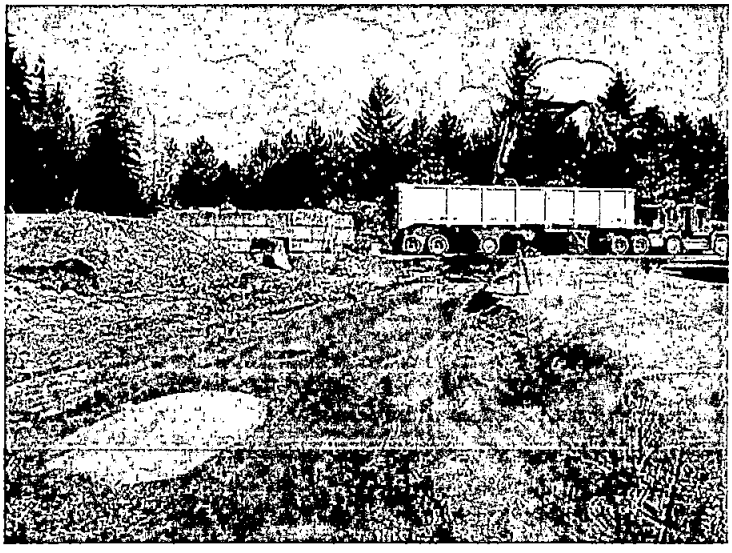
P3280013 Oil water separator inspection revealed that final discharge baffle had at least 2 feet of sediment built up.



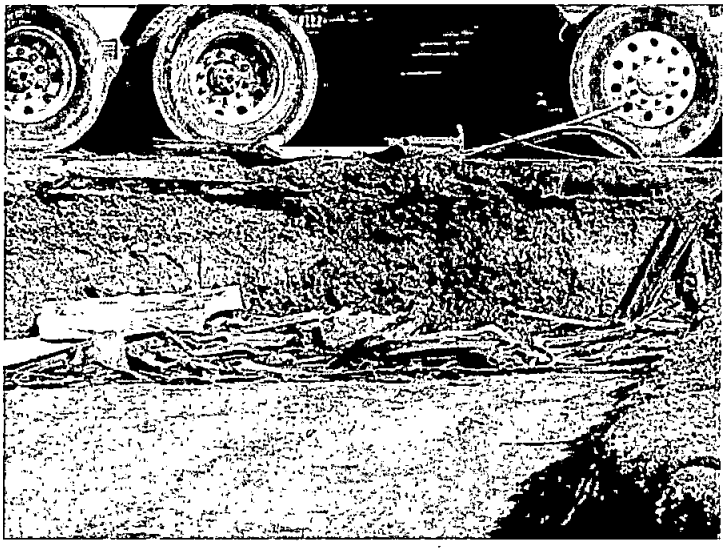
P3280014 Oil water separator in sever need of maintenance and is likely not working at all due in part to lack of maintenance and because of poor design.



P3280015 Misc. piled parts in soil with evidence of oil



P3280016 Soils stained near metal scrap piles and auto crushing area

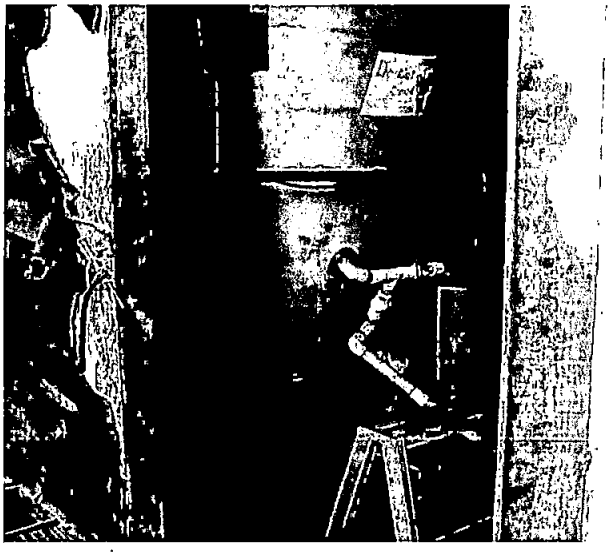


P3280017 Soil staining

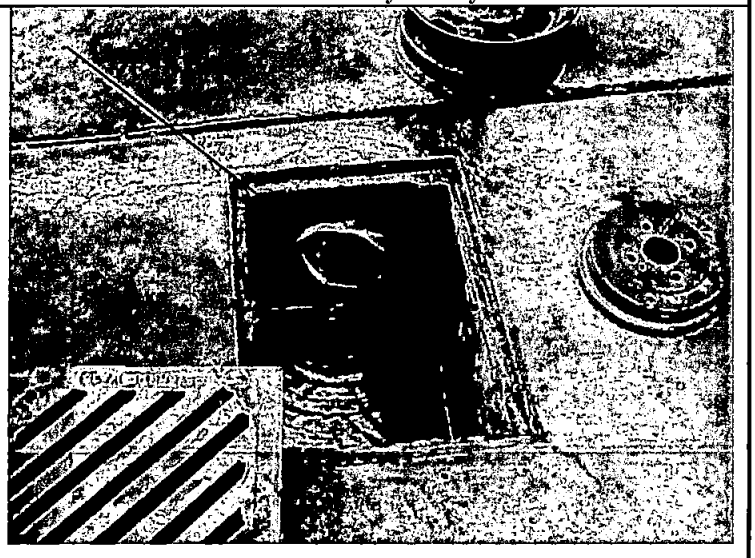
Photo Addendum Cascade 3-28-2007

P3280019 This storm drain appeared to be clogged

P3280020 Hose in this catch basin drains the oil water separator used for "treating" wash water that is currently drained to the stormwater conveyance system.

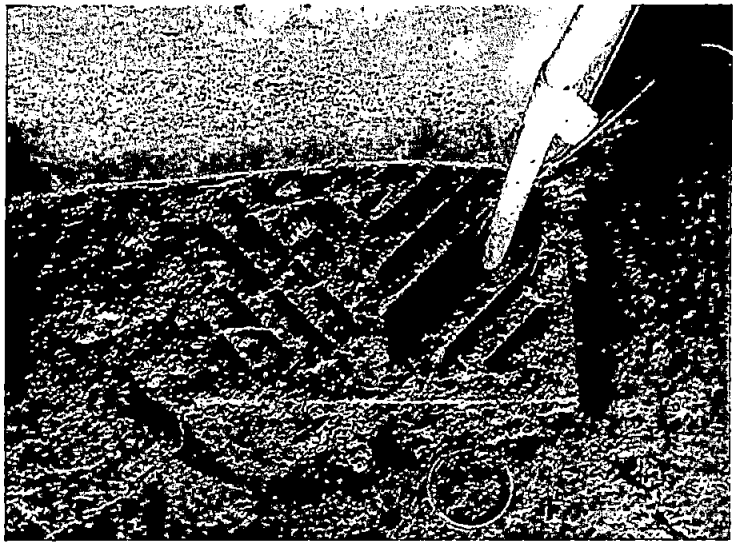


P3280021 Oil water separator used for wash water

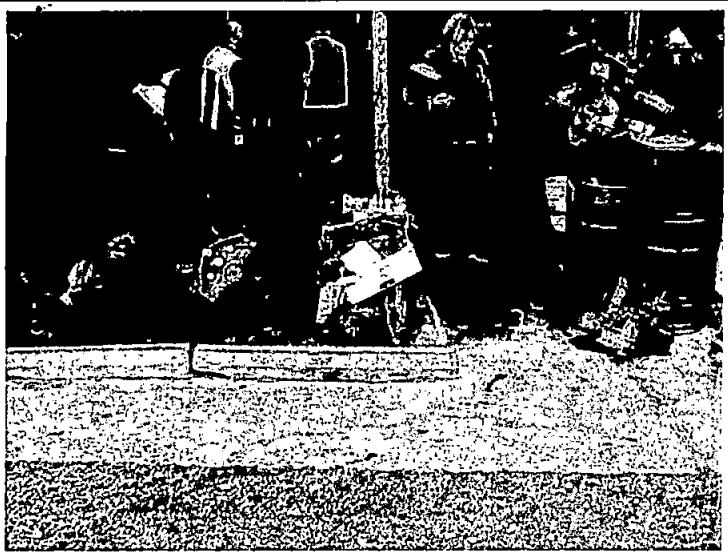


P3280022 Catch basin in washing area. Arrow points to a pipe of unknown origin.

P3280023 Wash area under cover. White pipe pumps wash water to oil/water separator.



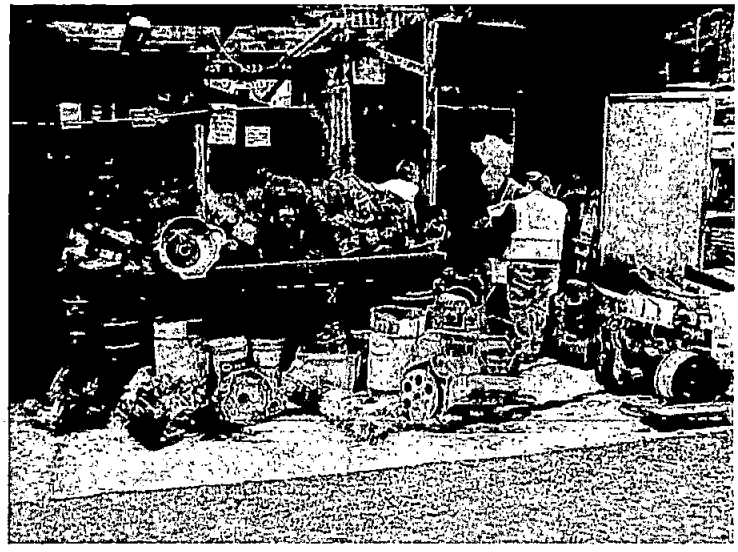
P3280024 Catch basin that collects wash water that goes to oil water separator



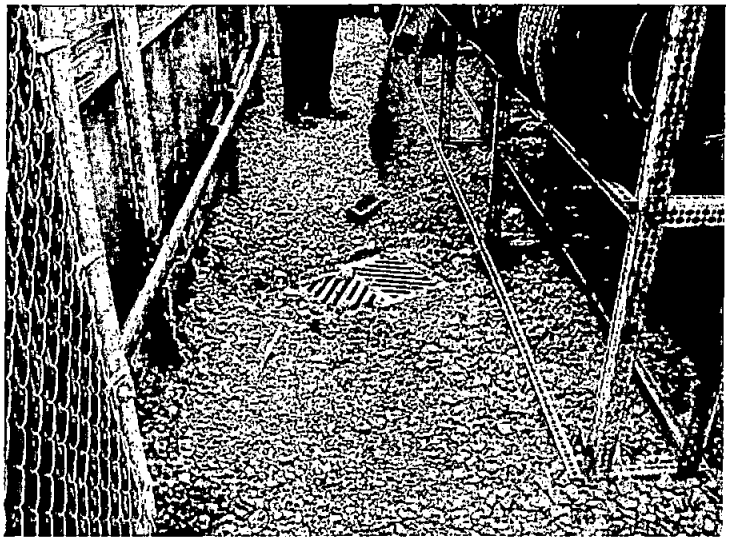
P3280025 Bermed area is where washing takes place. Unbermed area contains two stormwater catch basins undercover that eventually convey discharges in this area to surface water

P3280026 Drained fluid storage area

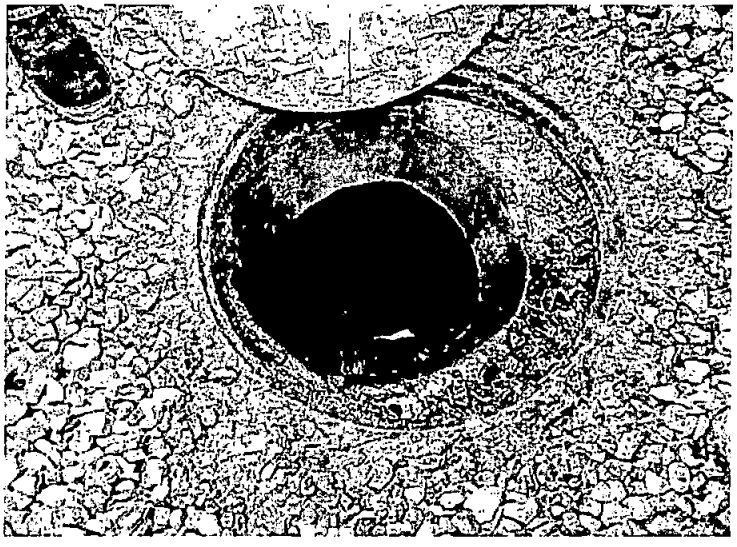
P3280027 arrow points to catch basin near oil draining area



P3280028 Oil is drained into this table and eventually to five gallon buckets very near catch basins that drain to surface water



P3280029 Discharge sampling takes place at this final catchbasin before water leaves the site



P3280030 Thick oil approximately 2 ½ inches thick floats on top of the underground oil/water separator.

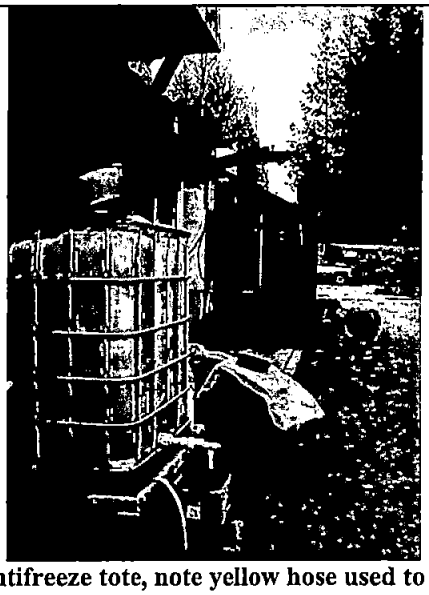
Photo Addendum Cascade 3-28-2007

P3280032 Probe into oil water separator shows very poor condition of this BMP

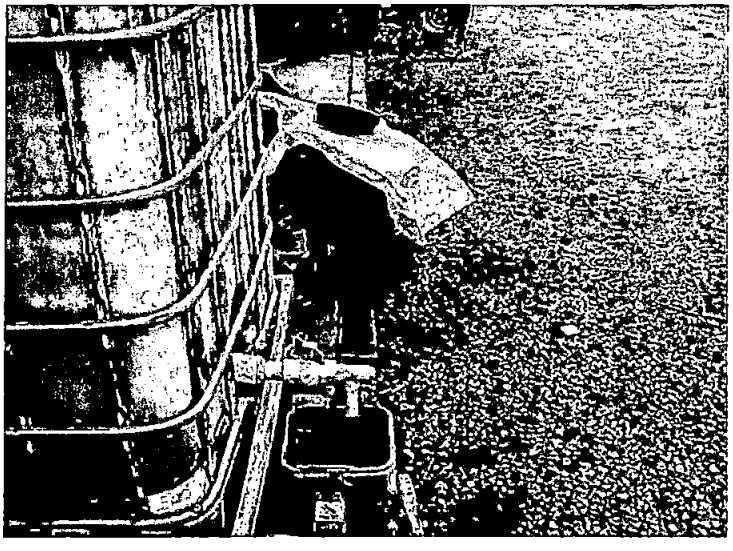
P3280035 Oil staining in small pipe can also be seen on grate for final catch basin before final discharge from site

P3280037 Water flows into final catchbasin on site from both the oil/water separator and from off-site

P3280038 Die testing at this catch basin undercover near oil draining area showed that this area drains through the stormwater conveyance system to surface water

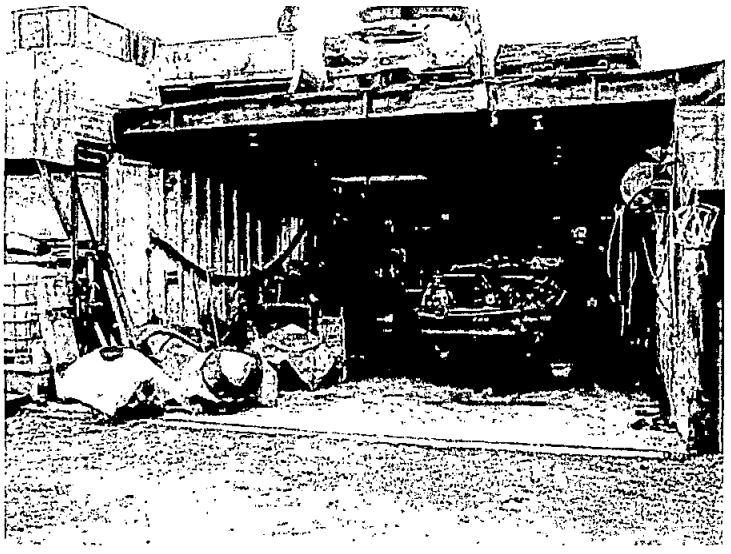


P3280041 Antifreeze tote, note yellow hose used to drain excess fluids in secondary containment straight to ground



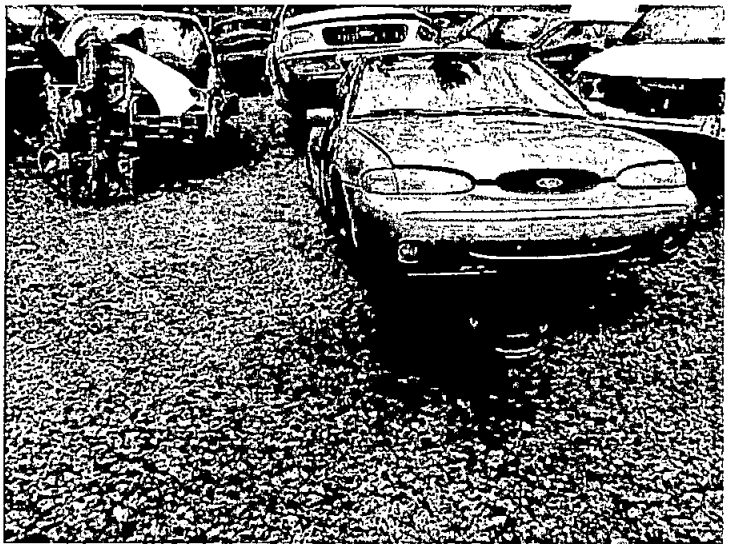
P3280042 Bucket used to catch antifreeze drips has high potential to spill to ground and can collect stormwater as it is not covered

Photo Addendum Cascade 3-28-2007



P3280043 Fluid drainage area

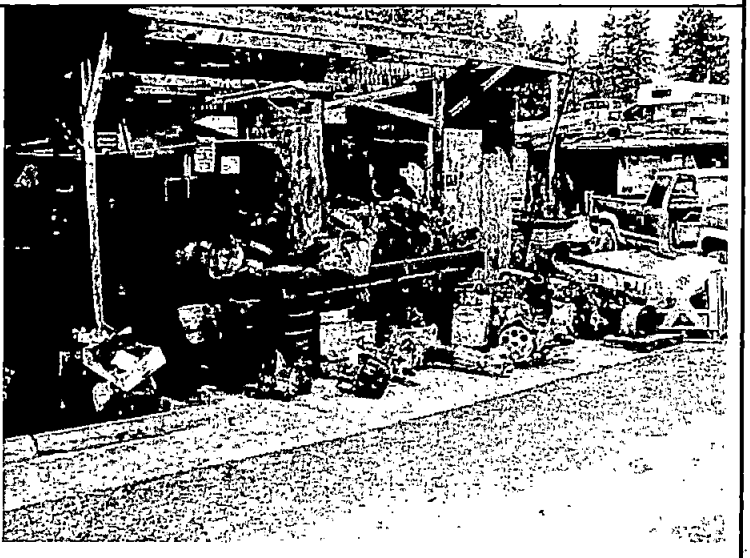
P3280044 Car battery and other assorted auto parts in yard exposed to stormwater



P3280046 Oil staining observed on ground throughout site

P3280047 Catch basin in storage yard, appears to need maintenance

P3280048 Covered wash area arrows show flow of water as reported by site representative



P3280049 Covered extremely oily area, arrows point to approximate areas of catch basins likely receiving large amount of pollutants