

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 92-074

WASTE DISCHARGE REQUIREMENTS  
FOR  
PLUESS-STAUFER (CALIFORNIA) INC.  
VEHICLE WASHWATER FACILITY  
Lucerne Valley - San Bernardino County

The California Regional Water Quality Control Board, Colorado River Basin Region, finds that:

1. Pluess-Staufer (California), Inc. (hereinafter referred to as the discharger), P.O. Box 825, Lucerne Valley, California 92356, submitted a Report of Waste Discharge, dated August 25, 1992. The facility is located at 7299 Crystal Creek Road in Lucerne Valley.
2. The discharger operates a limestone extraction and processing facility located 5 miles south of State Highway 18-off Crystal Creek Road in the NW $\frac{1}{4}$ , NW $\frac{1}{4}$ , Section 1, T3N, R1W, SBB&M as shown on the site map and in the Operation Plan, Attachment "A", which is incorporated herein and made part of this Order.
3. The discharger proposes to discharge a maximum of 250 gallons-per-day of washwater from a truck wash facility. The washpad is designed to be a bermed containment area consisting of geotextile material with an 80 mil HDPE liner in between, and covered by an 18-inch layer of rock. The wastewater would drain through a catchment grate into a galvanized steel sump that would flow into an 8,000-gallon storage tank. A secondary liner system is provided for leak detection for the wash area collection basin. This secondary liner system is composed of a layer of 6 inches of uniformly graded sand over a 40 mil HDPE liner, which rests on graded and compacted native soils. A slotted collection pipe is placed at the low point of the secondary liner. Any flows which enter this slotted pipe are conducted to a 55-gallon crosslink polyethylene holding tank. A valved connection is provided to pipe any contents of the secondary holding tank to the primary 8,000-gallon collection tank at the base of the slope. The tank would be periodically pumped by an authorized pumping service and hauled to an approved disposal site. Prior to pumping the tank, an analysis of the wastewater would be conducted to determine the location of disposal. The proposed plan for the wash facility is shown in Attachment "B", which is also incorporated herein and made a part of this Order.
4. The discharger states that the nearest well is 960 feet south and upgradient of the proposed washpad. The depth to ground water for this well is approximately 900, feet, and the total dissolved solids (TDS) content is 320 mg/L.
5. The washpad site is located on a gentle north sloping conglomeratic alluvial fan composed of mostly sand and gravel. The site is about one mile southwest of the Helendale Fault and about one-quarter mile north of the North Frontal Zone Fault. Also, the site is at the base of the San



Bernardino Mountains and has an annual precipitation of less than 7.5 inches per year, with an evaporation rate in excess of 110 inches per year. Ground water recharge in the Lucerne Hydrologic Unit results from deep percolation of runoff from more than 20 inches/year of precipitation in the mountains above the site.

6. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted on May 15, 1991, and designates the beneficial uses of ground and surface waters in this Region.
7. Crystal Creek is the nearest surface water in the vicinity of the site. The beneficial uses of surface waters of Crystal Creek are: municipal supply, agricultural supply, ground water recharge, water contact recreation, non-water contact recreation, warm water habitat and wildlife habitat. The Creek originates in the San Bernardino Mountains south of the site and flows within one mile to the east of the site. Analytical results show a water sample collected from Crystal Creek approximately 1½ miles upgradient of the site in April 1991 contained 435 mg/L TDS.
8. The beneficial uses of ground waters in the Lucerne Hydrologic Unit are:
  - a. Municipal supply (MUN)
  - b. Industrial supply (IND)
  - c. Agricultural supply (AGR)
9. The Board has notified the discharger and all known interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge.
10. The Board in a public meeting heard and considered all comments pertaining to this discharge.
11. The San Bernardino County Land Management Office of Planning approved Negative Declaration No. DN329-73N (approval date October 13, 1989), for the plant production facilities, which includes this project. The Regional Board has reviewed the Negative Declaration. The below waste discharge requirements are designed to assure against any significant adverse affects on water quality.

IT IS HEREBY ORDERED, that the discharger shall comply with the following:

A. Discharge Specifications

1. Wastewater at this facility shall not cause pollution or nuisance as defined in Sections 13050(1) and 13050(m) of Division 7 of the California Water Code.
2. No wastewater other than vehicle washwater shall be discharged into the wastewater collection and storage facilities.
3. Wastewater shall be discharged only into the containment system described in Finding No. 3, above.
4. The storage tank wastewater shall be pumped and discharged by a duly authorized service.



5. A minimum freeboard of two (2) feet shall be maintained at all times in the washpad basin.
6. Adequate measures shall be taken to assure that unauthorized persons are effectively excluded from contact with the wastewater.
7. Adequate measures shall be taken to assure that flood or surface drainage waters do not erode or otherwise render portions of the wastewater containment facilities inoperable.
8. There shall be no surface flow of wastewater away from the designated containment areas.
9. The total maximum discharge from the truck wash shall not exceed 250 gallons-per-day.
10. The drainage facilities of the washpad shall be maintained to prevent ponding.
11. The integrity of the washpad liners shall be maintained to prevent leakage.

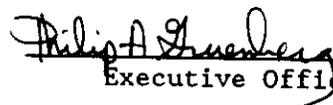
B. Provisions

1. The discharger shall comply with the attached "Monitoring and Reporting Program No. 92-074", and future revisions thereto, as specified by the Regional Board's Executive Officer.
2. The discharger shall maintain a copy of this Board Order at the facility, and it shall be made available at all times to site operating personnel.
3. Prior to any modifications in this facility which would result in material change in the quality or quantity or wastewater contained, or any material change in the location of containment, the discharger shall report all pertinent information in writing to the Regional Board and obtain revised requirements before any modifications are implemented.
4. Prior to any change in ownership or management of this facility, the discharger shall transmit a copy of this Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Board.
5. The Regional Board shall be notified immediately of any failure of the wastewater containment facilities. Such failure shall be promptly corrected in accordance with the requirements of this Board Order.
6. The discharger shall maintain legible records on the volume and quality of wastewater contained at this facility.
7. Prior to pumping of the storage tank, the discharger shall sample the wastewater and submit a report of analyses for TDS, Volatile Organic Compounds and volume of wastewater for Regional Board's Executive Officer approval of the disposal site.
8. The discharger shall submit to the Regional Board at least 30 days prior to pumping the storage tank a list of approved disposal sites that would



accept the wastewater depending on the levels of contaminants contained therein.

I, Philip A. Gruenberg, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, Colorado River Basin Region, on November 18, 1992.

  
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Executive Officer



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 92-074  
FOR  
PLUESS-STAUFER (CALIFORNIA), INC.  
VEHICLE WASHWATER FACILITY  
Lucerne Valley - San Bernardino County

Location of Discharge: NW $\frac{1}{4}$ , NW $\frac{1}{4}$  of Section 1, T3N, R1W, SBB&M

MONITORING

1. The discharger shall sample the wastewater each time prior to pumping and disposal by an authorized service as follows:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Reporting Frequency</u>
Volume of Washwater discharged into storage tank	Gallons	---	Quarterly
Total Dissolved Solids	mg/L <sup>1</sup>	Grab	Quarterly
Volatile Organics (EPA Methods 601 and 602)	$\mu$ g/L <sup>2</sup>	Grab	Quarterly

The collection, preservation and holding times of all samples shall be in accordance with EPA approved procedures. All analyses shall be conducted by a laboratory certified by the State Department of Health Services to perform the required analyses.

2. The discharger shall submit the name of the waste hauler, a copy of the waste hauler's permit and locations of approved disposal sites at least 30 days prior to disposal.
3. Report immediately any accident spillage, leakage, or release of wastewater, and include a description of immediate measures taken for correction and limitation of detrimental effects.

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<sup>1</sup> mg/L: Milligram per Liter

<sup>2</sup>  $\mu$ g/L: Microgram per Liter



REPORTING

1. Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15, and October 15 of each year.
2. Monitoring reports shall be certified, under penalty of perjury, to be true and correct, and shall contain the required information at the frequency designated in this monitoring program.
3. Submit reports to:

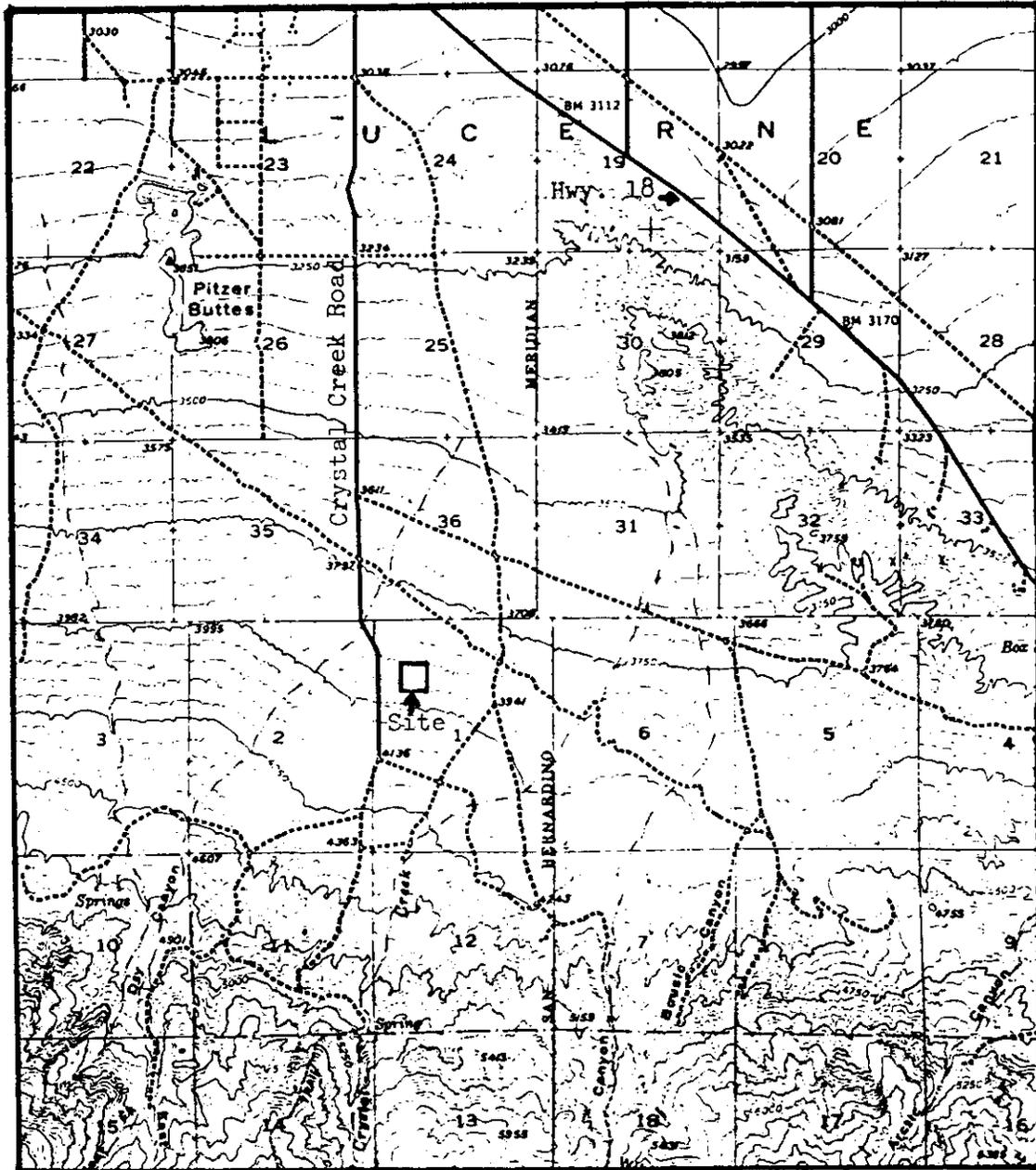
California Regional Water Quality Control Board  
Colorado River Basin Region  
73-720 Fred Waring Drive, Suite 100  
Palm Desert, CA 92260

ORDERED BY: Philip A. Gruenberg  
Executive Officer

November 18, 1992

Date



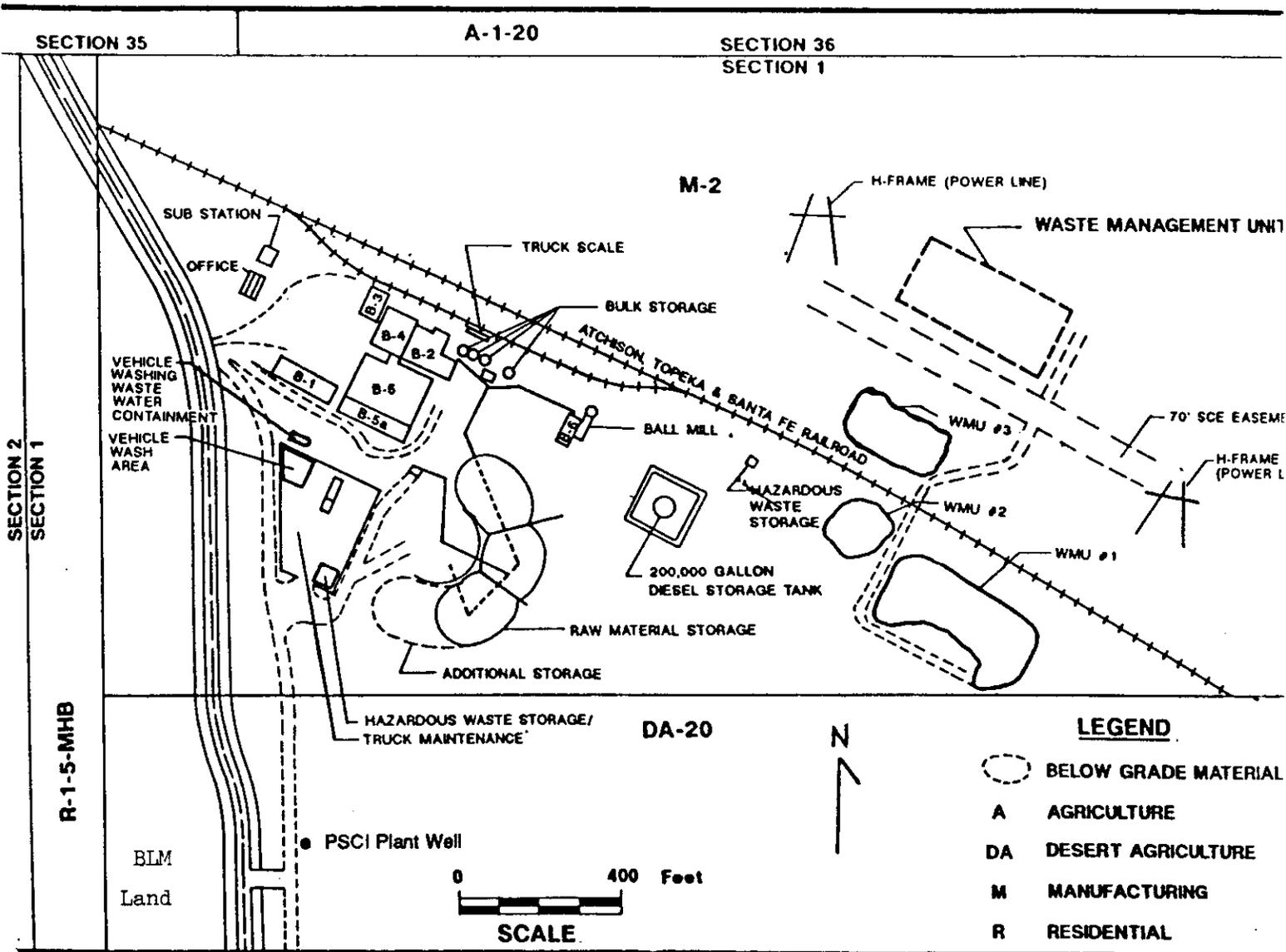


Scale:  
1" = 1 mi.

SITE MAP

PLUESS-STAUER (CALIFORNIA), INC.  
VEHICLE WASHWATER FACILITY  
Lucerne Valley - San Bernardino County  
NW $\frac{1}{4}$ , NW $\frac{1}{4}$  of Section 1 T3N, R1W, SBB&M  
USGS Lucerne Valley 15 Min. Topographic Map

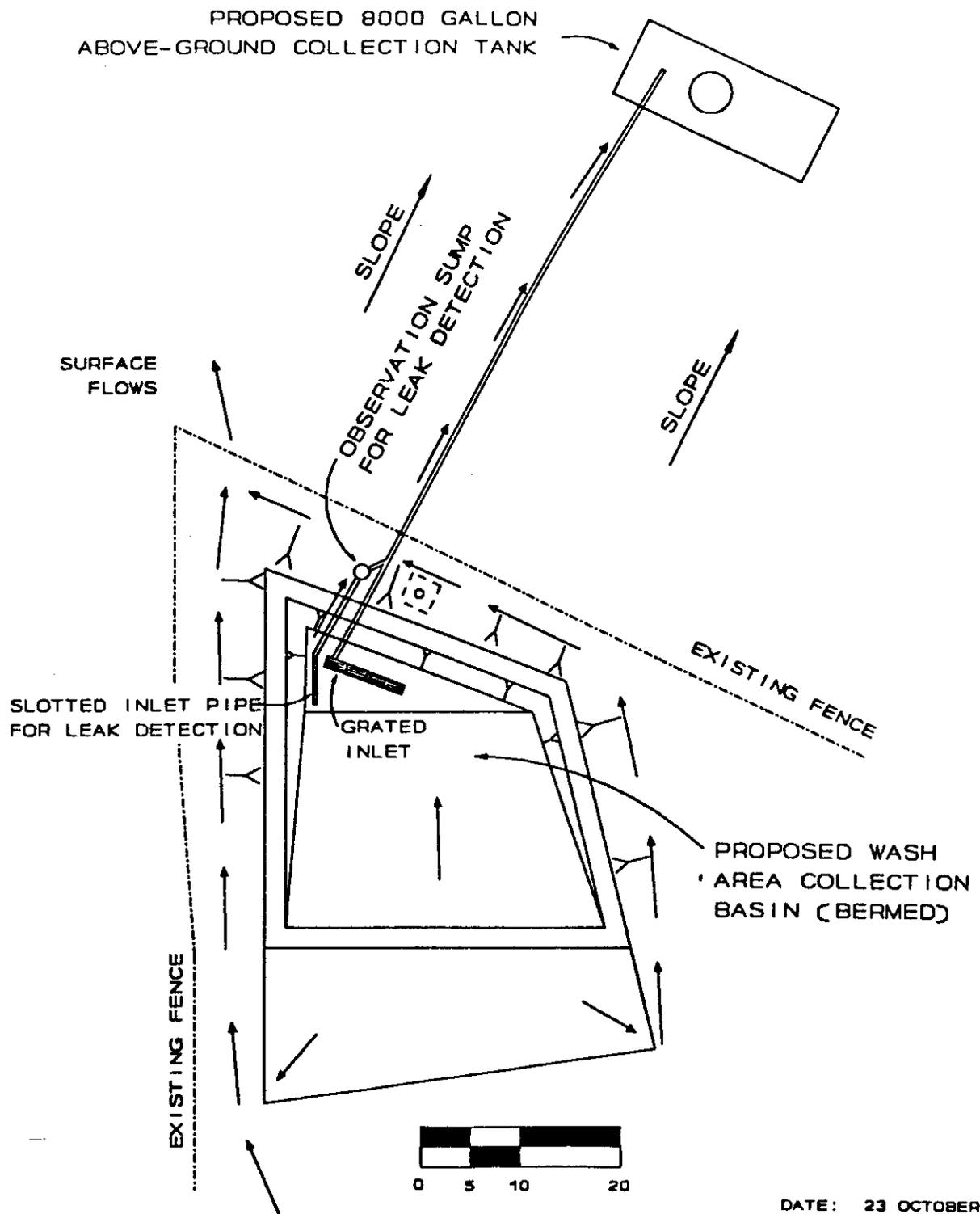




ATTACHMENT "A"

EXISTING OPERATION PLAN  
 PLESS-STAUER (CALIFORNIA), INC.  
 Lucerne Valley - San Bernardino County





ATTACHMENT "B"  
 PRELIMINARY VEHICLE WASH FACILITY SKETCH  
 PLUESS-STAUER (CALIFORNIA), INC.  
 Lucerne Valley - San Bernardino County

