Los Alamos Environmental Restoration Records Processing Facility

ER Record I.D.# 0012454

DATE RECEIVED: 1-15-93 PROCESSOR: YCG

LOS ALAMOS

LOS ALAMOS NATIONAL LABORATORY

ENVIRONMENTAL RESTORATION
Records Processing Facility
ER Record Index Form
(Side 1 of 2)

Part I: Complete all fields; indicate if not applicable or appropriate; please write legibly.

DOCUMENT TO: DOE DOCUMENT DATE: —

ORIGINATOR NAME: — ORGANIZATION: —

SYMBOL: NM0028355 PAGE COUNT: 66

SUBJECT/TITLE: NPDES Permit Outfall

RECORD TYPE (Circle relevant type for primary record; type of attachments should be selected on *Keywords List*):

Analytical Data	FAX	Map	Plan	Study
Chain-of-Custody	Figure	Memo	Procedure	Telephone Record
Computer Output	Form	Microform	Purchase Request	Transcription
Contract	Interview	Notebook	Receipt Acknowledgment	Video
Controlled Distribution	Letter	Personal Notes	Report	Work Plan
Drawing	Logbook	Photo	Review	Other Permits

RECORD CATEGORY: P
(P for Programmatic or R for Reference)

RECORD PACKAGE #: —

RECORD FILMED (Y/N): Y

RECORD LOCATION: —
(Indicate location of record if not filmed.)

Part II: Complete all fields; indicate if not applicable or appropriate; please write legibly. Use *ER Record Index Form Attachment Sheet* if needed.

ATTACHMENTS FILMED (Y/N): —
(Were attachments to this record filmed?)

LOCATION: —
(Indicate location of attachments.)

TECH AREA(S)	ADS NO(S)	WBS NO(S)	STRUCTURE NO(S)/MDA
LIST RELEVANT TECH AREA(S).	*LIST RELEVANT ADS NO(S).*	*LIST RELEVANT WBS NO(S).*	*LIST RELEVANT STRUCTURE NO(S)/MDA.*
—	—	—	—

2794

Part III: Complete all fields; indicate if not applicable or appropriate; please write legibly. Use *ER Record Index Form Attachment Sheet* if needed.

PRS NO(S)	DOCUMENT TO	ORIGINATOR NAMES
LIST RELEVANT PRS NO(S).	*LIST MULTIPLE RECIPIENTS.*	*LIST MULTIPLE ORIGINATORS.*
	LANL	

CORRECTION (Y/N): _____
(Is this a correction to a record previously processed?)

CORRECTED #: _____
(If answer is Yes, please give ER Record # for corrected record.)

CORRECTION DESCRIPTION (Optional): _____

SUPERCEDE: ____ REPLACE: ____ DELETE: ____ ADD: ____ REVISE: ____

ATTACHMENT LIST

KEYWORDS: Circle relevant KEYWORDS from the list below for ER Record #: 12454

MISCELLANEOUS (List other indexing criteria as necessary; please write legibly):
OU 1129, Authorization, National Pollutant Discharge Elimination System (NPDES)

Abandon
Aboveground Tank
Absorption
Abstract
Accelerator
Access
Accident
Accumulation
Acid
Active
Administrative
ADS (Activity Data Sheet)
Adsorption
AEC (Atomic Energy Commission)
Aerial
Agenda
Agreement
Air
Alpha
Americium
Analysis
Analytical
AOC (Area of Concern)
Approval
Aquifer
ARAR (Applicable, Relevant, or Appropriate Requirements)
Archaeology
Archive
Area
Arsenic
Asbestos
Asphalt
Assessment
Audit

Backfill
Bacteria
Barium
Baseline
BCP (Baseline Change Proposal)
Beds
Bermed Area
Beryllium
Beta
Biology
Blank
Boiler
Boneyard
Bunker
Buried
Burn
Burn Site

Cadmium
Caisson
Calibration
Canyon
Capacitor
Caustic
CEARP (Comprehensive Environmental Assessment and Response Program)
Cement
CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)
Certification
Cesium
Chain of Custody
Chamber
Change Control
Change Order
Charge
Chart
Checklist
Chemical
Chromium
Cleanup
Clearance
Closure
Clothing
CMI/RA (Corrective Measures Implementation/Remedial Action)
CMS/FS (Corrective Measures Study/ Feasibility Study)
Cobalt
Comment
Committee
Community Relations
Compliance
Compressed Gas
Computer Modeling
Computer Output
Concern
Concrete
Concurrence
Configuration
Construction
Container
Containment
Contaminant
Contract
Control
Controlled Distribution
Core
Corrective Action
Correspondence
Criteria
Cyanide

Data
Deadline
Debris
Decision Analysis
Decommission
Decontamination
Deficiency
Deliverable
Demolition
Description
Detection
Detonation
Development
Discharge
Disposal
Documentation
DOE (Department of Energy)
Dose
DQO (Data Quality Objectives)
Draft
Drainage
Drainline
Drawing
Drilling
Drop Tower
Drum
Dry Well
Dump
Duplicates

Ecology
Effluent
EIS (Environmental Impact Statement)
Emission
Engineering
Environmental
EPA (Environmental Protection Agency)
Equipment
ERDA (Energy Research and Development Administration)
Erosion
Error
ES&H (Environment, Safety, and Health)
Estimate
Evacuation
Evaluation
Evaporator
Excavation
Exclusion
Exhaust
Experiment
Explosive
Exposure
Extension
Extraction

Facility
Fallout
Farm
FAX
Fence
Field
Figure
Filter
FIMAD (Facility for Information Management, Analysis, and Display)
Finding
Fire
Firing Site
Fiscal
Fission
Five-Year Plan
Flow
Flow chart
Fluid
Form
Framework
Free
Fuel
Fume

Gamma
Gas
Generation
Generic
Geochemistry
Geology
Geophysics
Glass Beaker
Glove Box
Graph
Guidance
Gun

Handling
Hazardous
Health
HE (High Explosive)
History
Hole
Home Owner
Hood
HSWA (Hazardous and Solid Waste Amendments)
Hydrology
Hygiene

Impact
Implementation
Implosion
Impoundment
Inactive
Incident
Incinerator
Industrial
Infiltration
Injection Well
Injury
Inorganic
Inspection
Installation
Interim
Interim Action
Internal
Interview
Inventory
Investigation
IRM (Interim Remedial Measure)
Isotope
IWP (Installation Work Plan)

Lab Job
Laboratory
Lagoon
Land
Landfill
Laundry
Leach
Lead
Leak
Legal

Letter
Limit
Lines
Liquid
List
Log
Logbook

Magazine
Management
Manhole
Map
Material
MDA (Material Disposal Area)
Media
Meeting
Memo
Mercury
Metal
Microform
Minimization
Minutes
MIS (Management Information System)
Mixed Waste
MOA (Memo of Agreement)
Model
Modification
Money (Allocation, Appropriation, Budget, Cost, Funding, etc.)
Monitoring
Monthly Report
Mortar Impact Area
MOU (Memo of Understanding)
MSA (Major System Acquisition)

NEPA (National Environmental Policy Act)
NFA (No Further Action)
Nitrate
NMED (New Mexico Environment Department)
NMEID (New Mexico Environmental Improvement Division)
NOD (Notice of Deficiency)
Nonexplosive
Notebook
Notification
NPDES (National Pollutant Discharge Elimination System)
NRC (Nuclear Regulatory Commission)
Nuclear

Observation
Off-gas
Oil
Open
Open Burning
Operation
Order
Organic
Organization
OSHA (Occupational Safety & Health Administration)
OU (Operable Unit)
Outfall
Outline

Pad
PA/RFA (Preliminary Assessment /RCRA Facility Assessment)
PCB (Polychlorinated Biphenyl)
Permit
Personal Notes
Personnel
Personnel Qualification
Photo
Pilot Study
Pipe
Pit
Plan
Plant
Plutonium
Pollution
Polonium
Polaroid
Potential
Presentation
Prevention
Priority
Procedure
Program
Programmatic
Project
Project Leader
Propellant
Property
Proposal
Protection
Protocol
PRS (Potential Release Site)
Public
Pump
Purchase Request

Quality
QA (Quality Assurance)
QP (Quality Procedure)
Quarterly Report

Radioactive
Radiochemistry
Radionuclide
Radium
Rationale
RCRA (Resource, Conservation, and Recovery Act)
Reactor
Receipt Acknowledgment
Recommendation
Reconnaissance
Records
Recovery
Recycle
Reduction
Reference
Regulation
Release
Remediation
Removal
Report
Request
Requirements
Research
Resin Bed
Resolution
Resource
Respirator
Response
Restoration
Restriction
Results
Review
Revision
RFI/RI (RCRA Facility Investigation/Remedial Investigation)
Risk
RPF (Records-Processing Facility)

Safety
Salamander
Salvage
Sample
Sampling Plan
Sanitary
Satellite
Schedule
Scope

Scrap
Scrap Detonation Site
Screening
Scrubber
Search
Security
Seep
Seminar
Semivolatile
Septic
Sewer
Shaft
Sheet
Shell
Shot
Silver
Site
Sludge
Soil
Solid
Solvent
SOP (Standard Operating Procedure)
SOW (Statement of Scope of Work)
Specific
Spill
Stack
Standard
Statistics
Steamline
Steel
Storage
Strontium
Structure
Study
Subcontractor
Subsurface
Summary
Sump
Support
Surface
Surveillance
Survey
Swipe
SWMU (Solid Waste Management Unit)
System

Table
Tank
Task
TCLP (Toxicity Characteristic Leaching Procedure)
TDD (Technical Document Description)

Technical
Technical Team
Technology
Telephone Record
Test Area
Testing
TLD (Thermoluminescent Dosimeter)
TOC (Table of Contents)
Townsite
Toxic
Tracking
Training
Transcription
Transfer
Transformer
Transport
Treatment
Trench
Trip Report
Tritium
TRU (Transuranic)
TSCA (Toxic Substances Control Act)
Tuballoy
Tuff

Underground
Uranium
Urine
USGS (United States Geological Survey)
UST (Underground Storage Tank)
Utility

Validation
Variance
VE (Value Engineering)
Ventilation
Verification
Video
Volatile
Volume

Warehouse
Waste
Water
WBS (Work Breakdown Structure)
Weapon
Well
Work
Working Group

Zinc

NPDES Permit Certificate

04-0737

LANL CIRCA 1990, 04-0131

1/30/90

66

NPDES authorization to discharge to waters of the United States, Permit No. NM0028355.

The applicants' mailing addresses are: Department of Energy
Los Alamos Area Office
Los Alamos, New Mexico 87545

University of California
Management Contractor for Operations
Los Alamos National Laboratory
Los Alamos, New Mexico 87545

The discharge from this national laboratory is made into various tributaries to the Rio Grande, a water of the United States classified for irrigation, livestock and wildlife watering, secondary contact recreation, coldwater fishery and warmwater fishery. The discharge is located on that water at the Los Alamos National Laboratory in Los Alamos County, New Mexico. Under the standard industrial classification (SIC) code 9611, the applicant's activities are research and development.

There are no substantial changes from the draft permit.

Received by ER-RPF
JAN 15 1993
YCG

04-0131

Permit No. NM28355

AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C... 1251 et. seq; the "Act"),

University of California
Management Contractor For Operation
Los Alamos National Laboratory
Los Alamos, New Mexico 87545

and

Department of Energy
Los Alamos Area Office
Los Alamos, New Mexico 87545

(See Part III.L.)

are authorized to discharge from a facility located at Los Alamos National Laboratory, Los Alamos, Los Alamos County, New Mexico

to receiving waters named various tributaries to the Rio Grande

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I (44 pages), II (14 pages), and III (5 pages) hereof.

This permit shall become effective on January 31, 1990

This permit and the authorization to discharge shall expire at midnight, March 1, 1991.

Signed and issued this 30th day of January 1990

Myron O. Knudson, P.E.
Director
Water Management Division (6W)

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 01A

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 001 - this combined source shall be identified and reported as 01A.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Total Suspended Solids	N/A	N/A	30 mg/l	100 mg/l
Free Available Chlorine(*2)	N/A	N/A	0.2 mg/l	0.5 mg/l

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	1/Month	Estimate
Total Suspended Solids	1/Month	Grab
Free Available Chlorine(*2)	1/Month	Grab

001 (TA 3-22, spent demineralizer regenerants, boiler blowdown, cooling tower blowdown and diatomaceous earth filters backwash).

(*1) Report.
(*2) See Part III, Paragraph A.

OUTFALL 01A

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per month by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Prior to where combined sources are discharged.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 02A

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 02A - neutralized demineralizer regeneration brine and boiler blowdown.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Total Suspended Solids	N/A	N/A	30 mg/l	100 mg/l
Total Iron	N/A	N/A	10 mg/l	40 mg/l
Total Copper	N/A	N/A	1 mg/l	1 mg/l
Total Phosphorus	N/A	N/A	20 mg/l	40 mg/l
Sulfite (as SO_3)	N/A	N/A	35 mg/l	70 mg/l
Total Chromium	N/A	N/A	(*1) mg/l	(*1) mg/l

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	1/Week	Estimate
Total Suspended Solids	1/Week	Grab
Total Iron	1/Week	Grab
Total Copper	1/Week	Grab
Total Phosphorus	1/Week	Grab
Sulfite (as SO_3)	1/Week	Grab
Total Chromium	1/Month	Grab

(*1) Report

OUTFALL 02A

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per week by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Prior to discharge at locations as shown in Part III, Paragraph I.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 03A

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfalls 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 031, 032, 034, 035, 036, 037, 038, 042, 043, 045, 047, 048, 049, 060, 092, 098, 103, 113, 114, 124 & 125 - cooling tower blowdown, evaporative coolers, condensers and air washer blowdown. This category shall be identified and reported as 03A.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)(*3)	(*1)(*3)
Total Suspended Solids	N/A	N/A	30 mg/l	100 mg/l
Free Available Chlorine(*2)	N/A	N/A	0.2 mg/l	0.5 mg/l
Total Phosphorus	N/A	N/A	5 mg/l	5 mg/l

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	1/Week	Estimate
Total Suspended Solids	1/Week	Grab
Free Available Chlorine(*2)	1/Week(*3)(*4)	Grab
Total Phosphorus	1/Week(*3)(*4)	Grab

(*1) Report.
(*2) See Part III, Paragraph A.
(*3) Total for all category outfalls.
(*4) Monitoring and reporting shall be conducted sequentially in accordance with Part III, Paragraph C.

OUTFALL 03A

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per week(*4) by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Prior to discharge at locations as shown in Part III, Paragraph C.

(*4) Monitoring and reporting shall be conducted sequentially in accordance with Part III, Paragraph C.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 04A

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfalls 009, 010, 011, 012, 013, 014, 016, 018, 040, 070, 083, 084, 086, 087, 090, 091, 093, 094, 102, 109, 110, 112, 115, 117, 118, 119, 121, 122, 126, 127 - noncontact cooling water, non-destructive testing discharge, asphalt batch plants and water production facilities. This category shall be identified and reported as 04A.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)(*2)	(*1)(*2)

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	1/Week	Estimate

(*1) Report.
(*2) Total for all category outfalls.

OUTFALL 04A

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per week(*3) by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Prior to discharge at locations as shown in Part III, Paragraph D.

(*3) From monitoring reports for the drinking water supply system.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 050

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 050 - radioactive waste treatment plant discharge.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Ammonia (as N)	N/A	N/A	Report mg/l	Report mg/l
Chemical Oxygen Demand	8.6(18.8)	17.0(37.5)	N/A	N/A
Total Suspended Solids	1.7(3.8)	5.7(12.5)	N/A	N/A
Total Cadmium	0.005(0.01)	0.027(0.06)	N/A	N/A
Total Chromium	0.009(0.02)	0.04(0.08)	N/A	N/A
Total Copper	0.06(0.13)	0.06(0.13)	N/A	N/A
Total Iron	0.06(0.13)	0.06(0.13)	N/A	N/A
Total Lead	0.005(0.01)	0.014(0.03)	N/A	N/A
Total Mercury	0.003(0.007)	0.009(0.02)	N/A	N/A
Total Zinc	0.057(0.13)	0.166(0.37)	N/A	N/A

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	Continuous	Record
Ammonia (as N)	1/Month	Grab
Chemical Oxygen Demand	1/Week	Grab
Total Suspended Solids	1/Week	Grab
Total Cadmium	1/Week	Grab
Total Chromium	1/Week	Grab
Total Copper	1/Week	Grab
Total Iron	1/Week	Grab
Total Lead	1/Week	Grab
Total Mercury	1/Week	Grab
Total Zinc	1/Week	Grab

(*1) Report.

OUTFALL 050

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored continuous, record.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Prior to discharge from TA 21-257.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 051

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 051 - radioactive waste treatment plant discharge.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Ammonia (as N)	N/A	N/A	Report mg/l	Report mg/l
Chemical Oxygen Demand	42.7(94)	70.9(156)	N/A	N/A
Total Suspended Solids	8.6(18.8)	29.5(62.6)	N/A	N/A
Total Cadmium	0.03(0.06)	0.14(0.30)	N/A	N/A
Total Chromium	0.09(0.19)	0.17(0.38)	N/A	N/A
Total Copper	0.28(0.63)	0.28(0.63)	N/A	N/A
Total Iron	0.45(1.0)	0.90(2.0)	N/A	N/A
Total Lead	0.03(0.06)	0.07(0.15)	N/A	N/A
Total Mercury	0.001(0.003)	0.04(0.09)	N/A	N/A
Total Zinc	0.28(0.62)	0.83(1.83)	N/A	N/A

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	Continuous	Record
Ammonia (as N)	1/Month	Grab
Chemical Oxygen Demand	1/Week	Grab
Total Suspended Solids	1/Week	Grab
Total Cadmium	1/Week	Grab
Total Chromium	1/Week	Grab
Total Copper	1/Week	Grab
Total Iron	1/Week	Grab
Total Lead	1/Week	Grab
Total Mercury	1/Week	Grab
Total Zinc	1/Week	Grab

(*1) Report.

OUTFALL 051

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored continuous, record.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Prior to discharge from TA 50-1.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 05A

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfalls 052, 053, 054, 055, 056, 057, 058, 061, 062, 063, 064, 066, 067, 068, 069, 071, 072, 096 and 097 - high explosive waste discharges. This category shall be identified and reported as 05A.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)(*2)	(*1)(*2)
Chemical Oxygen Demand	N/A	N/A	150 mg/l	250 mg/l
Total Suspended Solids	N/A	N/A	30 mg/l	45 mg/l

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	1/Week	Estimate
Chemical Oxygen Demand	1/Week(*3)	Grab
Total Suspended Solids	1/Week(*3)	Grab

(*1) Report.
(*2) Total for all category outfalls.
(*3) Monitoring and reporting shall be conducted sequentially in accordance with Part III, Paragraph E.

OUTFALL 05A

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per week(*3) by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Prior to discharge at locations as shown in Part III, Paragraph E.

(*3) Monitoring and reporting shall be conducted sequentially in accordance with Part III, Paragraph E.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 06A

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfalls 073, 074, 075, 078, 079, 080, 081, 082, 099, 101, 104, 106, and 123 - photo waste discharges. This category shall be identified and reported as 06A.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)(*2)	(*1)(*2)
Total Cyanide	N/A	N/A	0.20 mg/l	0.20 mg/l
Total Silver	N/A	N/A	0.50 mg/l	1.00 mg/l

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	1/Week	Estimate
Total Cyanide	1/Week(*3)	Grab
Total Silver	1/Week(*3)	Grab

(*1) Report.
(*2) Total for all category outfalls.
(*3) Monitoring and reporting shall be conducted sequentially in accordance with Part III, Paragraph F.

OUTFALL 06A

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per week(*3) by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Prior to discharge at locations as shown in Part III, Paragraph F.

(*3) Monitoring and reporting shall be conducted sequentially in accordance with Part III, Paragraph F.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 095

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 095 - compressed gas cylinder cleaning wastes.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Total Suspended Solids	N/A	N/A	N/A	100 mg/l
Total Phosphorus	N/A	N/A	20 mg/l	40 mg/l

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	1/Month	Estimate
Total Suspended Solids	1/Month	Grab
Total Phosphorus	1/Month	Grab

(*1) Report.

OUTFALL 095

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per month by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Prior to discharge at TA-3 170.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 128

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 128 - process wastewater from printed circuit board manufacturing using photo-etching techniques.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Chemical Oxygen Demand	1.9	3.8	N/A	N/A
Total Suspended Solids	1.25	2.5	N/A	N/A
Total Iron	0.05	0.10	N/A	N/A
Total Copper	0.05	0.10	N/A	N/A
Total Silver	N/A	N/A	(*1) mg/l	(*1) mg/l

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	1/Day	Totalized
Chemical Oxygen Demand	1/Week	Grab
Total Suspended Solids	1/Week	Grab
Total Iron	1/Week	Grab
Total Copper	1/Week	Grab
Total Silver	1/Month	Grab

(*1) Report.

OUTFALL 128

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per week by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Where the treatment plant at Technical Area 22-91 (Latitude 35° 51' 41" and Longitude 106° 19' 57") discharges to Pajarito Canyon.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 01S

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 01S - treated sanitary sewage effluents.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitation			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Biochemical Oxygen Demand (5-day)	102.2(225.2)	N/A	30 mg/l	45 mg/l(*2)(*5)
Total Suspended Solids	102.2(225.2)	N/A	30 mg/l	45 mg/l
Fecal Coliform Bacteria/100 ml	N/A	N/A	1000(*3)	2000

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	Continuous	Totalized Record
Biochemical Oxygen Demand (5-day)	3/Month	Composite(*4)
Total Suspended Solids	3/Month	Composite(*4)
Fecal Coliform Bacteria	3/Month	Grab

(*1) Report.
(*2) 7-day average.
(*3) Geometric mean.
(*4) See Part III, Paragraph B.
(*5) See Part III, Paragraph H.

OUTFALL 01S

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 3/month by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Where the sewage treatment plant at TA-3 discharge.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 02S

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 02S - treated sanitary sewage effluents.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Biochemical Oxygen Demand (5-day)	0.1(0.3)	N/A	30 mg/l	45 mg/l(*2)(*4)
Total Suspended Solids	0.1(0.3)	N/A	30 mg/l	45 mg/l(*2)

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	Continuous	Totalized Record
Biochemical Oxygen Demand (5-day)	1/3 Months	Composite(*3)
Total Suspended Solids	1/3 Months	Composite(*3)

(*1) Report.
(*2) 7-day average.
(*3) See Part III, Paragraph B.
(*4) See Part III, Paragraph H.

OUTFALL 02S

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 1/3 months by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Where the sewage treatment plant at TA-9 discharges.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 03S

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 03S - treated sanitary sewage effluents.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Biochemical Oxygen Demand (5-day)	11.4(25.0)	N/A	30 mg/l	45 mg/l(*2)(*4)
Total Suspended Solids	11.4(25.0)	N/A	30 mg/l	45 mg/l(*2)

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	Continuous	Totalized Record
Biochemical Oxygen Demand (5-day)	2/Month	Composite(*3)
Total Suspended Solids	2/Month	Composite(*3)

(*1) Report.
(*2) 7-day average.
(*3) See Part III, Paragraph B.
(*4) See Part III, Paragraph H.

OUTFALL 03S

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 2/month by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Where the sewage treatment plant at TA-16 discharge.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 04S

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 04S - treated sanitary sewage effluents.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Biochemical Oxygen Demand (5-day)	0.2(0.5)	N/A	30 mg/l	45 mg/l(*2)(*4)
Total Suspended Solids	0.2(0.5)	N/A	30 mg/l	90 mg/l(*2)

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	Continuous	Totalized Record
Biochemical Oxygen Demand (5-day)	1/3 Months	Composite(*3)
Total Suspended Solids	1/3 Months	Composite(*3)

(*1) Report.
(*2) 7-day average, See Part III, Paragraph H.
(*3) See Part III, Paragraph B.
(*4) See Part III, Paragraph H.

OUTFALL 04S

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 1/3 months by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Where the sewage treatment plant at TA-18 discharges.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 05S

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 05S - treated sanitary sewage effluents.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Biochemical Oxygen Demand (5-day)	1.9(4.3)	N/A	30 mg/l	45 mg/l(*2)(*4)
Total Suspended Solids	1.9(4.3)	N/A	30 mg/l	45 mg/l(*2)

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	Continuous	Totalized Record
Biochemical Oxygen Demand (5-day)	1/3 Months	Composite(*3)
Total Suspended Solids	1/3 Months	Composite(*3)

(*1) Report.
(*2) 7-day average.
(*3) See Part III, Paragraph B.
(*4) See Part III, Paragraph H.

OUTFALL 05S

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 1/3 months by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Where the sewage treatment plant at TA-21 discharges.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 06S

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 06S - treated sanitary sewage effluents.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Biochemical Oxygen Demand (5-day)	1.0(2.3)	N/A	30 mg/l	45 mg/l(*2)(*5)
Total Suspended Solids	1.0(2.3)	N/A	30 mg/l	45 mg/l(*2)
Fecal Coliform Bacteria/100 ml	N/A	N/A	1000(*3)	2000

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	Continuous	Totalized Record
Biochemical Oxygen Demand (5-day)	1/3 Months	Composite(*4)
Total Suspended Solids	1/3 Months	Composite(*4)
Fecal Coliform Bacteria	1/3 Months	Grab

(*1) Report.
(*2) 7-day average.
(*3) Geometric mean.
(*4) See Part III, Paragraph B.
(*5) See Part III, Paragraph H.

OUTFALL 06S

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 1/3 months by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Where the sewage treatment plant at TA-41 discharges.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 07S

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 07S - treated sanitary sewage effluents.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Biochemical Oxygen Demand (5-day)	0.6(1.3)	N/A	30 mg/l	45 mg/l(*2)(*4)
Total Suspended Solids	0.7(1.3)	N/A	30 mg/l	45 mg/l(*2)

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	Continuous	Totalized Record
Biochemical Oxygen Demand (5-day)	1/3 Months	Composite(*3)
Total Suspended Solids	1/3 Months	Composite(*3)

(*1) Report.
(*2) 7-day average.
(*3) See Part III, Paragraph B.
(*4) See Part III, Paragraph H.

OUTFALL 07S

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 1/3 months by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Where the sewage treatment plant at TA-46 discharges.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 08S

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 08S - treated sanitary sewage effluents.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Biochemical Oxygen Demand (5-day)	0.4(0.8)	N/A	30 mg/l	45 mg/l(*2)(*4)
Total Suspended Solids	0.4(0.8)	N/A	30 mg/l	45 mg/l(*2)

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	1/3 Months	Grab
Biochemical Oxygen Demand (5-day)	1/3 Months	Composite(*3)
Total Suspended Solids	1/3 Months	Composite(*3)

(*1) Report.
(*2) 7-day average.
(*3) See Part III, Paragraph B.
(*4) See Part III, Paragraph H.

OUTFALL 08S

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 1/3 months by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Where the sewage treatment plant at TA-48-5 discharges.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 09S

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 09S - treated sanitary sewage effluents.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Biochemical Oxygen Demand (5-day)	1.0(2.3)	N/A	30 mg/l	45 mg/l(*2)(*4)
Total Suspended Solids	1.0(2.3)	N/A	30 mg/l	45 mg/l(*2)

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	Continuous	Totalized Record
Biochemical Oxygen Demand (5-day)	1/3 Months	Composite(*3)
Total Suspended Solids	1/3 Months	Composite(*3)

(*1) Report.
(*2) 7-day average.
(*3) See Part III, Paragraph B.
(*4) See Part III, Paragraph H.

OUTFALL 09S

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 1/3 months by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Where the sewage treatment plant at TA-53 discharges.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 10S

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 10S - treated sanitary sewage effluents.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Biochemical Oxygen Demand (5-day)	1.4(3.0)	N/A	30 mg/l	45 mg/l(*2)(*4)
Total Suspended Solids	1.4(3.0)	N/A	30 mg/l	90 mg/l(*2)

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	Continuous	Totalized Record
Biochemical Oxygen Demand (5-day)	1/3 Months	Composite(*3)
Total Suspended Solids	1/3 Months	Composite(*3)

(*1) Report.
(*2) 7-day average.
(*3) See Part III, Paragraph B.
(*4) See Part III, Paragraph H.

OUTFALL 10S

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 1/3 months by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Where the sewage treatment plant at TA-35 discharges.

PART I
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 11S

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 11S - treated sanitary sewage effluents.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg	Daily Max	Daily Avg	Daily Max
Flow (MGD)	N/A	N/A	(*1)	(*1)
Biochemical Oxygen Demand (5-day)	N/A	N/A	30 mg/l	45 mg/l(*2)(*4)
Total Suspended Solids	N/A	N/A	30 mg/l	90 mg/l(*2)

Effluent Characteristic	Monitoring Requirements	
	Measurement Frequency	Sample Type
Flow (MGD)	1/3 Months	Grab
Biochemical Oxygen Demand (5-day)	1/3 Months	Composite(*3)
Total Suspended Solids	1/3 Months	Composite(*3)

(*1) Report.
(*2) 7-day average.
(*3) See Part III, Paragraph B.
(*4) See Part III, Paragraph H.

OUTFALL 11S

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 1/3 months by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Where the sewage treatment plant at TA-8 discharges.

SECTION B. SCHEDULE OF COMPLIANCE

The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule:

NONE

PART II
STANDARD CONDITIONS FOR NPDES PERMITS

SECTION A. GENERAL CONDITIONS

1. Duty to Comply

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

2. enalties for Violations of Permit Conditions

The Clean Water Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed $10,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing Sections 301, 302, 306, 307, or 308 of the Clean Water Act is subject to a fine of not less than $2,500 nor more than $25,000 per day of violation, or by imprisonment for not more than 1 year, or both.

3. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts;

c. A change in any condition that requires either a temporary or a permanent reduction or elimination of the authorized discharge; or,

d. A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination.

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

4. Toxic Pollutants

Notwithstanding Part II.A.3, if any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under Section 307(a) of the Clean Water Act for a toxic pollutant which is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, this permit shall be modified or revoked and reissued to conform to the toxic effluent standard or prohibition and the permittee so notified.

The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

5. Civil and Criminal Liability

Except as provided in permit conditions on "Bypassing" (Part II.B.4.b) and "Upsets" (Part II.B.5.b), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

6. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act.

7. State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Clean Water Act.

8. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations.

9. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

10. Definitions

The following definitions shall apply unless otherwise specified in this permit:

a. "Daily Discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the sampling day. "Daily discharge" determination of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the "daily discharge" determination of concentration shall be the arithmetic average (weighted by flow value) of all samples collected during that sampling day.

b. "Daily Average" (also known as monthly average) discharge limitation means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month. When the permit establishes daily average concentration effluent limitations or conditions, the daily average concentration means the arithmetic average (weighted by flow) of all "daily discharges" of concentration determined during the calendar month.

c. "Daily Maximum" discharge limitation means the highest allowable "daily discharge" during the calendar month.

d. The term "MGD" shall mean million gallons per day.

e. The term "mg/l" shall mean milligrams per liter or parts per million (ppm).

f. The term "ug/l" shall mean micrograms per liter or parts per billion (ppb).

SECTION B. OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

1. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

2. Need to Halt or Reduce not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

4. Bypass of Treatment Facilities

a. Definitions

(1) "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.

(2) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Part II.B.4.c and 4.d.

c. Notice

(1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.

(2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Part II.D.6 (24-hour notice).

d. Prohibition of bypass

(1) Bypass is prohibited, and the Director may take enforcement action against a permittee for bypass, unless:

(a) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(b) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occured during normal periods of equipment downtime or preventive maintenance; and,

(c) The permittee submitted notices as required by Part II.B.4.c.

(2) The Director may approve an anticipated bypass, after considering its adverse effects, if the Director determines that it will meet the three conditions listed at Part II.B.4.d.(1).

5. Upset Conditions

a. Definition. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

b. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of Part II.B.5.c are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

c. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An upset occurred and that the permittee can identify the cause(s) of the upset;

(2) The permitted facility was at the time being properly operated;

(3) The permittee submitted notice of the upset as required by Part II.D.6; and,

(4) The permittee complied with any remedial measures required by Part II.B.3.

d. Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

6. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering navigable waters.

SECTION C. MONITORING AND RECORDS

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this permit and, unless otherwise specified, before the effluent joins or is diluted by any other wastestream, body of water, or substance. Monitoring points shall not be changed without notification to and the approval of the Director.

2. Flow Measurements

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated, and maintained to insure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than ± 10% from true discharge rates throughout the range of expected discharge volumes. Guidance in selection, installation, calibration, and operation of acceptable flow measurement devices can be obtained from the following references:

a. "A Guide to Methods and Standards for the Measurement of Water Flow", U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 421, May 1975, 97 pp. (Available from the U.S. Government Printing Office, Washington, D.C. 20402. Order by SD catalog No. C13.10:421).

b. "Water Measurement Manual", U.S. Department of Interior, Bureau of Reclamation, Second Edition, Revised Reprint, 1974, 327 pp. (Available from the U.S. Government Printing Office, Washington, D.C. 20402. Order by Catalog No. 127.19/2:W29/2, Stock No. S/N 24003-0027).

c. "Flow Measurement in Open Channels and Closed Conduits", U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 484, October 1977, 982 pp. (Available in paper copy or microfiche from National Technical Information Service (NTIS), Springfield, VA 22151. Order by NTIS No. PB-273 535/5ST).

d. "NPDES Compliance Sampling Manual", U.S. Environmental Protection Agency, Office of Water Enforcement, Publication MCD-51, 1977, 140 pp.

(Available from the General Services Administration [8FFS], Centralized Mailing Lists Services, Building 41, Denver Federal Center, Denver, CO 80225).

3. Monitoring Procedures

Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

4. Penalties for Tampering

The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

5. Reporting of Monitoring Results

Monitoring results must be reported on a Discharge Monitoring Report (DMR) Form EPA No. 3320-1. Monitoring results obtained during the previous month shall be summarized and reported on a DMR form post-marked no later than the 15th day of the month following the completed reporting period. The first report is due on February 15, 1990. Duplicate copies of DMR's signed and certified as required by Part II.D.11 and all other reports required by Part II.D (Reporting Requirements) shall be submitted to the Director and to the State (if listed) at the following address(es):

WATER MANAGEMENT DIVISION
ENFORCEMENT BRANCH (6W-E)
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VI
FIRST INTERSTATE BANK TOWER
1445 ROSS AVENUE
DALLAS, TEXAS 75202-2733

Program Manager
Surface Water Section
Surface Water Quality Bureau
New Mexico Environmental Improvement Division
P.O. Box 968
Santa Fe, New Mexico 87504-0968

6. Additional Monitoring by the Permittee

If the permittee monitors any pollutant more frequently than required by this permit, using test procedures approved under 40 CFR Part 136 or as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR. Such increased monitoring frequency shall also be indicated on the DMR.

7. Averaging of Measurements

Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Director in the permit.

8. Retention of Records

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report, or application. This period may be extended by request of the Director at any time.

9. Record Contents

Records of monitoring information shall include:

a. The date, exact place, and time of sampling or measurements;

b. The individual(s) who performed the sampling or measurements;

c. The date(s) analyses were performed;

d. The individual(s) who performed the analyses;

e. The analytical techniques or methods used; and,

f. The results of such analyses.

10. Inspection and Entry

The permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and,

d. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

SECTION D. REPORTING REQUIREMENTS

1. Planned Changes

The permittee shall give notice to the Director as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:

a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR Part 122.29(b) [48 FR 14153, April 1, 1983, as amended at 49 FR 38046, September 26, 1984]; or,

b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under 40 CFR Part 122.42(a)(1) [48 FR 14153, April 1, 1983, as amended at 49 FR 38046, September 26, 1984].

2. Anticipated Noncompliance

The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

3. Transfers

This permit is not transferable to any person except after notice to the Director. The Director may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the Clean Water Act.

4. Monitoring Reports

Monitoring results shall be reported at the intervals and in the form specified at Part II.C.5 (Monitoring).

5. Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date. Any reports of noncompliance shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

9. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

10. Definitions

The following definitions shall apply unless otherwise specified in this permit:

a. "Daily Discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the sampling day. "Daily discharge" determination of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the "daily discharge" determination of concentration shall be the arithmetic average (weighted by flow value) of all samples collected during that sampling day.

b. "Daily Average" (also known as monthly average) discharge limitation means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month. When the permit establishes daily average concentration effluent limitations or conditions, the daily average concentration means the arithmetic average (weighted by flow) of all "daily discharges" of concentration determined during the calendar month.

c. "Daily Maximum" discharge limitation means the highest allowable "daily discharge" during the calendar month.

d. The term "MGD" shall mean million gallons per day.

e. The term "mg/l" shall mean milligrams per liter or parts per million (ppm).

f. The term "ug/l" shall mean micrograms per liter or parts per billion (ppb).

SECTION B. OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

1. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

2. Need to Halt or Reduce not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

4. Bypass of Treatment Facilities

a. Definitions

(1) "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.

(2) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Part II.B.4.c and 4.d.

6. Twenty-Four Hour Reporting

The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The Director may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

The following shall be included as information which must be reported within 24 hours:

a. Any unanticipated bypass which exceeds any effluent limitation in the permit;

b. Any upset which exceeds any effluent limitation in the permit; and,

c. Violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in Part III of the permit to be reported within 24 hours.

7. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under Part II.D.4, 5, and 6 at the time monitoring reports are submitted. The reports shall contain the information listed at Part II.D.6.

8. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

a. That any activity has occured or will occur which would result in the discharge, in a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the "notification levels" described in 40 CFR Part 122.42(a)(1) [48 FR 14153, April 1, 1983, as amended at 49 FR 38046, September 26, 1984].

b. That any activity has occured or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that

discharge will exceed the highest of the "notification levels" described in 40 CFR Part 122.42(a)(2) [48 FR 14153, April 1, 1983, as amended at 49 FR 38046, September 26, 1984).

9. Duty to Provide Information

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

10. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. The application shall be submitted at least 180 days before the expiration date of this permit. The Director may grant permission to submit an application less than 180 days in advance but no later than the permit expiration date. Continuation of expiring permits shall be governed by regulations promulgated at 40 CFR Part 122.6 [48 FR 14153, April 1, 1983] and any subsequent amendments.

11. Signatory Requirements

All applications, reports, or information submitted to the Director shall be signed and certified.

a. All permit applications shall be signed as follows:

(1) For a corporation - by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

(a) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation; or,

(b) The manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

(2) For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.

(3) For a municipality, State, Federal, or other public agency - by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:

(a) The chief executive officer of the agency, or

(b) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

b. All reports required by the permit and other information requested by the Director shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described above;

(2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, or position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and,

(3) The written authorization is submitted to the Director.

c. Certification. Any person signing a document under this section shall make the following certification:

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

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12. Availability of Reports

Except for data determined to be confidential under 40 CFR Part 2, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the office of the Director. As required by the Clean Water Act, the name and address of any permit applicant or permittee, permit applications, permits, and effluent data shall not be considered confidential.

13. Penalties for Falsification of Reports

The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

PART III
OTHER CONDITIONS

A. The term "free available chlorine" shall mean the value obtained using the amperometric titration method for free available chlorine described in the latest edition of "Standard Methods for the Examination of Water and Wastewater."

B. "Composite sample" means a sample consisting of a minimum of three (3) grab samples of effluent collection at regular intervals over a normal operating day and combined proportional to flow or a sample continuously collected proportional to flow over a normal operating day.

C. COOLING TOWER BLOWDOWN, EVAPORATE COOLERS, CONDENSERS AND AIR WASHER BLOWDOWN - Category 03A.

Beginning with the permit effective date, monitoring and reporting for specified parameters shall be accomplished sequentially at the specified measurement frequency in accordance with the order and locations as shown below. Multiply source monitoring shall be flow weighted for reporting. Outfall numbers shall include in the DMR's.

Order	Outfall Number	Discharge Location
1	019	TA-2-44
2	020	TA-2-49
3	021	TA-3-29
4	022	TA-3-127
5	023	TA-3-156
6	024	TA-3-197
7	025	TA-3-208
8	026	TA-3-208
9	027	TA-3-285
10	028	TA-15-202
11	031	TA-21-143
12	032	TA-21-150
13	034	TA-21-166
14	035	TA-21-210
15	036	TA-21-220
16	037	TA-21-314
17	038	TA-33-114
18	042	TA-46-1
19	043	TA-46-31
20	045	TA-48-1

Order	Outfall Number	Discharge Location
21	047	TA-53-60
22	048	TA-53-62
23	049	TA-53-64
24	060	TA-16-430
25	092	TA-16-370
26	098	TA-3-184
1	103	TA-15-40E
2	113	TA-53-18
3	114	TA-53-2
4	124	TA-46-169
5	125	TA-53-29

D. NON-CONTACT COOLING WATER - Category 04A.

Beginning with the permit effective date, monitoring and reporting for specified parameters shall be accomplished sequentially at the specified measurement frequency in accordance with the order and locations as shown below. Multiply source monitoring shall be flow weighted for reporting. Outfall numbers shall include in the DMR's.

Order	Outfall Number	Discharge Location
1	009	TA-3-102
2	010	TA-3-105
3	011	TA-22-5
4	012	TA-35-67
5	013	TA-46-30
6	014	TA-46-88
7	016	TA-48-1
8	018	TA-46-24, 59, 76
9	040	TA-43-1
10	070	TA-16-220
11	083	TA-16-202
12	084	TA-22-5
13	086	TA-3-216
14	087	TA-35-46
15	090	TA-35-85
16	091	TA-16-450
17	093	TA-15-194
18	094	TA-3-170
19	102	TA-15-40
20	109	TA-3-73
21	110	TA-3-73

22	112	TA-52-11
23	115	TA-8-70
24	117	TA-46-41
25	118	TA-0
26	119	TA-0
1	121	TA-15-263
2	122	TA-15-R43
3	126	TA-48-8
4	127	TA-35-213

E. HIGH EXPLOSIVE WASTES - Category 05A.

Beginning with the permit effective date, monitoring and reporting for specified parameters shall be accomplished sequentially at the specified measurement frequency in accordance with the order and locations as shown below. Multiply source monitoring shall be flow weighted for reporting.

Order	Outfall Number	Discharge Location
1	052	TA-16-380
2	053	TA-16-410
3	054	TA-16-340
4	055	TA-16-401, 406
5	056	TA-16-260
6	057	TA-16-265, 267
7	058	TA-16-300 line
8	061	TA-16-280
9	062	TA-16-342
10	063	TA-16-400
11	064	TA-22-34
12	066	TA-9-A
13	067	TA-9-B
14	068	TA-9-48
15	069	TA-11-50
16	071	TA-16-430
17	072	TA-16-460
18	096	TA-11-51
19	097	TA-11-52

F. PHOTO WASTES - Category 06A.

Beginning with the permit effective date, monitoring and reporting for specified parameters shall be accomplished sequentially at the specified measurement frequency in accordance with the order and locations as shown below. Multiply source monitoring shall be flow weighted for reporting.

Order	Outfall Number	Discharge Location
1	073	TA-16-222
2	074	TA-8-22
3	075	TA-8-21
4	078	TA-22-34
5	079	TA-40-4
6	080	TA-40-5
7	081	TA-40-8
8	082	TA-40-12
9	099	TA-40-1
10	101	TA-40-9
11	104	TA-15-30, 31
12	106	TA-36-1
13	123	TA-15-R183

G. ADDITIONAL OR DELETED OUTFALLS

Outfall under paragraphs C, D, E, F, and I above may be added or deleted without revision to this permit by notification to Region VI of EPA. New outfalls shall be reported no less than sixty days prior to planned discharge.

H. Part 2 of New Mexico Water Quality Control Commission regulations, January 21, 1981, Section 2-101, General Requirements applies. Number 2 in subsection A requires that where there are more than one daily composite samples in any thirty-day period (in which less than ten daily composite samples are examined) the biochemical oxygen demand (BOD) shall be less than 30 mg/l.

I. BOILER BLOWDOWN - Category 02A.

Beginning with the permit effective date, monitoring and reporting for specified parameters shall be accomplished sequentially at the specified measurement frequency in accordance with the order and locations as shown below.

Order	Outfall Number	Discharge Location
1	129	TA-21-357

J. "Grab Sample" means an individual sample collected in less than 15 minutes.

K. "7-day average" is the arithmetic mean of the values of all effluent samples collected during the calendar week.

L. The University of California (UC) and the U.S. Department of Energy (DOE) are co-permittees for the Los Alamos National Laboratory (LANL) NPDES permit. EPA may take enforcement actions as appropriate against either UC or DOE, or both