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BUTCH TONGATE
Deputy Secretary

JAMES H. DAVIS, Ph.D.
Director
Resource Protection Division

Certified Mail – Return Receipt Requested

June 12, 2012

Mr. Louis Abruzzo, President
Sandia Peak Tram Company
10 Tramway Loop, NE
Albuquerque, NM 87122

Re: **Minor Non-Municipal; SIC 4952; NPDES Compliance Evaluation Inspection;
Sandia Peak Tram Wastewater Treatment Plant; NM0027863; June 7, 2012**

Dear Mr. Abruzzo:

Enclosed, please find a copy of the report for the above referenced inspection that the New Mexico Environment Department (NMED) conducted at your facility on behalf of the U.S. Environmental Protection Agency (USEPA). This inspection report will be sent to the USEPA Region VI office in Dallas, Texas for their review. These inspections are used by the USEPA to determine compliance with the National Pollutant Discharge Elimination System (NPDES) permitting program in accordance with requirements of the federal Clean Water Act.

Problems noted during this inspection are discussed in the Further Explanations section of the inspection report. You are encouraged to review the inspection report, required to correct any problems noted during the inspection, and modify your operational and/or administrative procedures, as appropriate. Further, you are encouraged to notify in writing, both USEPA and NMED, regarding modifications and compliance schedules.

I wish to thank you for the cooperation that was extended by Mr. Mitch White while at this facility. If you have any questions concerning this inspection report, please feel free to contact me at the above address or by telephone at (505) 827-2575.

Sincerely,

/s/Daniel Valenta

Daniel Valenta
Surface Water Quality Bureau
Point Source Regulation Section

Cc: Marcia Gail Adams, USEPA (6EN-AS) by e-mail
Samuel Tates, USEPA (6EN-AS) by e-mail
Carol Peters, USEPA (6EN-WM) by e-mail
Diana McDonald, USEPA (6EN-WM) by e-mail
Larry Giglio, USEPA (6WQ-PP) by e-mail
Hannah Branning, USEPA (6EN-WC) by e-mail
NMED District I by e-mail



Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

NPDES Compliance Inspection Report

Section A: National Data System Coding

Transaction Code	NPDES	yr/mo/day	Inspec. Type	Inspector	Fac Type
1 N 2 5 3	N M 0 0 2 7 8 6 3	11 12 1 2 0 6 0 7 17	18 C	19 S 20	2
Remarks					
S A N D I A P E A K T R A M W W T P					
Inspection Work Days	Facility Evaluation Rating	BI	QA	Reserved	
67 0 0 1 69	70 4	71 N 72	N 73	74	75
					80

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)	Entry Time /Date	Permit Effective Date
Sandia Peak Tram Company 10 Tramway Loop, NE Albuquerque, NM 87112 Bernalillo County	1505/6-7-2012	10/1/2010
	Exit Time/Date	Permit Expiration Date
	1730/6-7-2012	9/30/2015
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data	
Randy Adair/ Manager/Office Phone: (505) 856-6345, Mobile ph: (505) 259-5432, Fax: (505) 858-1035 Mitch White/Operator/(505)-379-8420	N 35.194822 W -106.433317	
Name, Address of Responsible Official/Title/Phone and Fax Number	SIC 5952	
Louis Abruzzo, President, 10 Tramway Loop, NE, Albuquerque, NM 87122/President/ (505) 856-1532	Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Section C: Areas Evaluated During Inspection (S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

S	Permit	S	Flow Measurement	S	Operations & Maintenance	N	CSO/SSO
S	Records/Reports	S	Self-Monitoring Program	S	Sludge Handling/Disposal	N	Pollution Prevention
S	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
N	Effluent/Receiving Waters	S	Laboratory	N	Storm Water	N	Other:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

- Inspectors arrived onsite at 1505 hours on 6/7/2012 and met with Mr. Mitch White, Operator, for the Sandia Peak Tram Utility Company, showed credentials and explained the purpose of the inspection.
- Exit interview was conducted at 1730 hours on 6/7/2012 with Mr. White, where preliminary findings of the inspection were discussed.

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Telephone/Fax	Date
Daniel Valenta /s/Daniel Valenta	NMED/SWQB 505-827-2575	6/12/2012
Signature of Management QA Reviewer	Agency/Office/Phone and Fax Numbers	Date
Richard Powell /s/Richard Powell	NMED/SWQB 505-222-0418	6/12/2012

Sandia Peak Tram WWTP

PERMIT NO. NM0027864

SECTION A – PERMIT VERIFICATION

PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS
DETAILS:

S M U NA (FURTHER EXPLANATION ATTACHED No)

1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE

Y N NA

2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES

Y N NA

3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT

Y N NA

4. ALL DISCHARGES ARE PERMITTED

Y N NA

SECTION B - RECORDKEEPING AND REPORTING EVALUATION

RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT.
DETAILS:

S M U NA (FURTHER EXPLANATION ATTACHED Yes)

1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRs.

Y N NA

2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE.

S M U NA

a) DATES, TIME(S) AND LOCATION(S) OF SAMPLING

Y N NA

b) NAME OF INDIVIDUAL PERFORMING SAMPLING

Y N NA

c) ANALYTICAL METHODS AND TECHNIQUES.

Y N NA

d) RESULTS OF ANALYSES AND CALIBRATIONS.

Y N NA

e) DATES AND TIMES OF ANALYSES.

Y N NA

f) NAME OF PERSON(S) PERFORMING ANALYSES.

Y N NA

3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE.

S M U NA

4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR.

S M U NA

5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA.

Y N NA

SECTION C - OPERATIONS AND MAINTENANCE

TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED.
DETAILS:

S M U NA (FURTHER EXPLANATION ATTACHED No)

1. TREATMENT UNITS PROPERLY OPERATED.

S M U NA

2. TREATMENT UNITS PROPERLY MAINTAINED.

S M U NA

3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED.

S M U NA

4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE.

S M U NA

5. ALL NEEDED TREATMENT UNITS IN SERVICE.

S M U NA

6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED.

Level 4 and level 3 operators

S M U NA

7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED.

S M U NA

8. OPERATION AND MAINTENANCE MANUAL AVAILABLE.

Y N NA

STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED.

Y N NA

PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED.

Y N NA

SECTION C - OPERATIONS AND MAINTENANCE (CONT'D)

9. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR? Y N NA
 IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED? Y N NA
 HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS? Y N NA
10. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT? Y N NA
 IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT? Y N NA

SECTION D - SELF-MONITORING

PERMITTEE SELF-MONITORING MEETS PERMIT REQUIREMENTS. S M U NA (FURTHER EXPLANATION ATTACHED No.)
 DETAILS:

1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT. Y N NA
2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES. Y N NA
3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT. Y N NA
4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT. Y N NA
5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT. Y N NA
6. SAMPLE COLLECTION PROCEDURES ADEQUATE Y N NA
- a) SAMPLES REFRIGERATED DURING COMPOSITING. Y N NA
- b) PROPER PRESERVATION TECHNIQUES USED. Y N NA
Temperature of samples delivered to lab close to but not under the 6.0 C° due to the short time between collection and the delivery to the lab.
- c) CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136.3. Y N NA
7. IF MONITORING AND ANALYSES ARE PERFORMED MORE OFTEN THAN REQUIRED BY PERMIT, ARE THE RESULTS REPORTED IN PERMITTEE'S SELF-MONITORING REPORT? Y N NA

SECTION E - FLOW MEASUREMENT

PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS. S M U NA (FURTHER EXPLANATION ATTACHED No.)
 DETAILS:

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED. Y N NA
 TYPE OF DEVICE In Line Water Specialties Meter
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED. Y N NA
3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED. Y N NA
4. CALIBRATION FREQUENCY ADEQUATE. (DATE OF LAST CALIBRATION _____) Y N NA
 RECORDS MAINTAINED OF CALIBRATION PROCEDURES. Y N NA
 CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE. Y N NA
5. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE. Y N NA
6. HEAD MEASURED AT PROPER LOCATION. Y N NA
7. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES. Y N NA

SECTION F - LABORATORY

PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS. S M U NA (FURTHER EXPLANATION ATTACHED No.)
 DETAILS:

1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES) Y N NA

7. SAMPLE SPLIT WITH PERMITTEE.	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED.	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT.	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA

Compliance Evaluation Inspection
Sandia Peak Tram Company Wastewater Treatment Plant
NPDES Permit No. NM0027863
June 7, 2012

Introduction

A Compliance Evaluation Inspection (CEI) was conducted at the Sandia Peak Tram Company Wastewater Treatment Plant located at the Sandia Crest on June 7, 2012 by Daniel Valenta and Sandra Gabaldón, of the State of New Mexico Environment Department (NMED), Surface Water Quality Bureau (SWQB). This facility is classified as a minor, private domestic facility by the federal Clean Water Act (CWA), Section 402 National Pollutant Discharge Elimination System (NPDES) permit program, and is assigned NPDES permit number NM0027863. The facility production flow is 0.0075 million gallons per day (MGD).

The facility discharges into unclassified reaches of the Cañon de Domingo Baca, thence to Arroyo de Domingo Baca, thence to a classified reach of the Rio Grande in Segment 20.6.4.105 NMAC (*State of New Mexico Standards for Interstate and Intrastate Surface Waters*) of the Rio Grande Basin. Designated uses of Segment 20.6.4.105 are irrigation, marginal warmwater aquatic life, livestock watering, wildlife habitat and secondary contact.

The inspectors arrived at the base of the Sandia Tram at 1505 hours and conducted an entrance interview with Mr. Mitch White, Operator. The inspector made introductions, presented his credentials, and discussed the purpose of the inspection with Mr. White. An exit interview to discuss preliminary findings of the inspection was conducted at 1715 hours with Mr. White.

The NMED performs a specific number of CEI's annually for the United States Environmental Protection Agency (USEPA). The purpose of this inspection is to provide the USEPA with information to evaluate the permittee's compliance with their NPDES permit. The enclosed inspection report is based on verbal information supplied by the permittee's representative, observations made by the NMED inspectors, and a review of records maintained by the permittee, commercial laboratories, and/or NMED. Findings of the inspection are detailed on the attached EPA form 3560-3 and in the narrative Further Explanations section of the report.

Treatment Scheme

Wastewater from the top terminal building and restaurant flows by gravity to the wastewater treatment plant located approximately 200 yards downhill. The flow enters a wet well containing a 150 gpm submersible pump. Liquid level sensors in the wet well determine when the pump lifts the wastewater to the aeration basin.

Wastewater is lifted to the aeration basin of this sequencing batch reactor (SBR) treatment system. The SBR unit runs off an automated timer and discharges approximately every 12 hours. Mixed liquor suspended solids (MLSS) are maintained at 3,500 to 4,500 mg/L. The cycles involved in the SBR include filling, aeration, settling and decant. Decant occurs through a vacuum based mechanism

Compliance Evaluation Inspection
Sandia Peak Tram Company Wastewater Treatment Plant
NPDES Permit No. NM0027863
June 7, 2012

that employs piping approximately 18 inches long. The mechanism extends into clear water, below the surface of the water level, thereby avoiding the discharge of floating foam or solids.

Water decanted from the SBR unit then enters an ultraviolet disinfection unit. The bulbs and sleeves of the UV system are changed annually. From the UV system, a pipe leads the effluent to the discharge point. The discharge is located off the side of the cliff and is inaccessible for accurate GPS readings. A GPS reading was taken from the building where the SBR is housed.

Sludge:

Sludge is pumped from the aeration basin to an aerated sludge digester. When the basin becomes relatively full, Atlas (septage hauler) is called and the contents are pumped into the truck and removed to the Albuquerque Southside Water Reclamation Plant. Removal occurs an average of two times a year. A log is kept of the amount of sludge removed. On average, the amount is 3,500 for each truckload removed.

**Compliance Evaluation Inspection
Sandia Peak Tram WWTP
NPDES Permit NM0027863**

Further Explanations

Note: The sections are arranged according to the format of the enclosed EPA Inspection Checklist (Form 3560-3), rather than being ranked in order of importance.

Section B - Recordkeeping and Reporting Evaluation – Overall Rating of “Satisfactory”

The permit requires, in Part III.C.4 under 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) and time(s) analyses were performed;*
- d. Individual who performed the analyses;*
- e. The analytical techniques or methods used; and*
- f. The results of such analyses.*

Findings for Recordkeeping and Reporting

pH is the only parameter that is performed at this facility. BOD, TSS and E. Coli Bacteria are all done at contract laboratories. On the pH bench sheet for the month of March 2012 the method used is listed as Standard Methods, 18th ed., pages 4-68 through 4-69. It is suggested that the facility also list the method number which is 4500-H+ B. It was also noted on the pH bench sheet that the exact time of sampling and the exact time of analysis is the same. It is unlikely that this time would be the same. The permittee must monitor the time the sample is taken as well as the time analysis is done in order to confirm the 15 minute holding time for pH.

Discharge Monitoring Report Calculation Check

The DMR calculation check was conducted for Biochemical Oxygen Demand (BOD) for the month of April and May 2012.

Concentration values are mg/L. Loading values are in pounds per day. The Permit requires a grab sample once a month.

<u>DATE</u>	<u>BOD₅ CONC.</u>	<u>FLOW, MGD</u>	<u>LOADING</u>
04/09/2012	5.0	0.0050	0.0208
05/04/2012	6.2	0.0015	0.0776

**Compliance Evaluation Inspection
Sandia Peak Tram WWTP
NPDES Permit NM0027863**

Loading:

April's 30-day average = $5.0 \text{ mg/L} \times 8.34 \times 0.0005 \text{ MGD} = 0.0208 \text{ lbs/day}$ (this was reported as 0.02 lbs/day) ✓

May's 30-day average = $6.2 \text{ mg/L} \times 8.34 \times 0.0015 \text{ MGD} = 0.0776 \text{ lbs/day}$ (this was reported as 0.08 lbs/day) ✓

Concentration:

April's 30-d average = 5.0 mg/L ✓ (no calculation check needed since there was only one sample taken for this reporting period).

May's 30-d average = 6.2 mg/L ✓ (no calculation check needed since there was only one sample taken for this reporting period).

✓ = in agreement with calculation result submitted on facility's DMR

SANDIA PEAK

TRAM

ELEVATION
10,300 FEET

