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DAVE MARTIN
Secretary

RAJ SOLOMON, P.E.
Deputy Secretary

Certified Mail - Return Receipt Requested

March 30, 2011

Honorable, Mayor Gayla Brumfield
City of Clovis, City Hall
321 North Connelly
Clovis, New Mexico 88101

RE: Industrial Storm Water, SIC 4952, NPDES Compliance Evaluation Inspection, City of Clovis, Water Reclamation Plant (Waste Water Treatment Plant), NMU001722, March 1, 2011

Mayor Brumfield:

Enclosed, please find a copy of the report for the 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 in Dallas for their review. These inspections are used by 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 to modify your operational and/or administrative procedures, as appropriate. Further, you are encouraged to notify in writing, both the USEPA and NMED, regarding modifications and compliance schedules at the addresses below:

Diana McDonald (6EN-WM)
U.S. Environmental Protection Agency
Allied Bank Tower
Region VI Enforcement Branch
1445 Ross Avenue
Dallas, Texas 75202-2733

Program Manager
New Mexico Environment Department
Surface Water Quality Bureau
Point Source Regulation Section
P.O. Box 5469
Santa Fe, New Mexico 87502

I appreciate the cooperation of Mr. Clint Bunch and Mr. Durwood Billington during this inspection. If you have any questions about this inspection report, please contact me at (505) 827-0418.

Sincerely,

/s/Erin S. Trujillo
Erin S. Trujillo
Surface Water Quality Bureau

cc: Marcia Gail Adams, USEPA (6EN-AS) by e-mail
Samuel Tate, EPA (6EN-AS) by e-mail
Carol Peters-Wagnon, USEPA (6EN-WM) by e-mail
Diana McDonald, USEPA (6EN-WM) by e-mail
Frank Fiore, NMED Environmental Health Division (NMED District IV) by e-mail
Clint Bunch, Director, Public Works Department, City of Clovis by e-mail

**City of Clovis Water Reclamation Plant
Compliance Evaluation Inspection – Industrial Stormwater
NPDES Tracking No. NMU001722
March 1, 2011**

Further Explanations

Introduction

On March 1, 2011, a Compliance Evaluation Inspection (CEI) was conducted at City of Clovis Water Reclamation Plant (Waste Water Treatment Plant or WWTP) at 879 County Road 7, Clovis, New Mexico by Erin S. Trujillo of the New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB). The purpose of this inspection was to document the facility operator's status regarding the National Pollutant Discharge Elimination System (NPDES) permit requirements for stormwater discharges associated with industrial activity under 40 Code of Federal Regulations (CFR) 122.26 and the industrial stormwater Multi-Sector General Permit (MSGP). Findings of a CEI to determine the facility's compliance with 40 CFR 503 biosolid standards (NPDES Tracking No. NML000002) will be presented in a separate report.

City of Clovis WWTP has activities on site that meet the description in 40 CFR 122.26(b)(14)(ix), and Sector TW (Treatment Works). Stormwater discharges are to unclassified surface waters, then to Blackwater Draw in the Brazos Headwaters Sub-basin, Texas-Gulf Basin tributary to the Brazos River in Texas.

Upon arrival at approximately 1425 hours at the City of Clovis, Public Works Complex, 801 South Norris Street, Clovis, New Mexico on March 1, 2011, the inspector made introductions, presented credentials and stated the purpose of inspections for the City of Clovis Waste Water Treatment Plant (WWTP) to Mr. Clint Bunch, Director, Public Works Department. The inspector, Mr. Bunch and Mr. Durwood Billington, Wastewater Superintendent toured the WWTP. An exit interview and preliminary findings of the inspection were discussed with Mr. Bunch and Mr. Billington on site. The inspector left the facility at approximately 1652 hours on March 1, 2011.

This report is based on review of EPA's on-line notice of intent (eNOI) database, files maintained by NMED and the operator, observations by NMED personnel, and verbal information provided by the operator's representatives.

City of Clovis does not have an NPDES permit for direct discharges of treated effluent to Berry Williams Lake. The City has a Discharge Permit from the New Mexico Groundwater Quality Bureau (DP-79) to use treated effluent or leachate (reclaimed water) for irrigation of cropland and city's parks, golf courses and on-site landscaping, and to discharge reclaimed water to Berry Williams Lake. This inspection did not include waste water treatment plant operations or discharges to Berry Williams Lake.

Clean Water Act (CWA) and Industrial Stormwater Permit Requirements

Section 301 (a) of the Federal Water Pollution Control Act states that *"Except as in compliance with this section and sections 302, 306, 307, 318, 402 and 404 of this Act, the discharge of any pollutant by any person shall be unlawful."* Federal regulations in 40 CFR Part 122.21(a) Duty to apply (1) states: *"Any person who discharges or proposes to discharge pollutants...must submit a complete application to the Director in accordance with this section and part 124 of this chapter."*

Activities covered under the USEPA's MSGP include: *"Treatment Works treating domestic sewage or any other sewage sludge or wastewater treatment device or system, used in the storage, treatment, recycling, and reclamation of municipal or domestic sewage, including land dedicated to the disposal of sewage sludge that are located within the confines of the facility, with a design flow of 1.0 mgd or more, or required to have an approved pretreatment program under 40 CFR Part 403. Not included are farm lands, domestic gardens or lands used for sludge management where sludge is beneficially reused and which are not physically located in the confines of the facility, or areas that are in compliance with section 405 of the CWA."*

USEPA's MSGP was re-issued effective September 29, 2008 (Federal Register/Vol. 73, No. 189/Monday, September 29, 2008 pg. 56572) replacing the 2000 MSGP which expired on October 30, 2005 and that replaced the 1995 MSGP effective on September 29, 1995. To obtain permit coverage under the MSGP, an operator must complete a Stormwater Pollution Prevention Plan (SWPPP) that among other things documents eligibility for permit coverage, and submit a Notice of Intent (NOI) to the USEPA. The SWPPP is intended to describe the potential pollutant sources and document the selection, design, and installation of control measures. A SWPPP should include the following information:

- A description of potential pollutant sources – includes a site map, an identification of the types of pollutants that are likely to be present in storm water discharges, an inventory of the types of materials handled at the site that potentially may be exposed to precipitation, a list of significant spills and leaks of toxic or hazardous pollutants, sampling data, a narrative description of the potential pollutant sources from specific activities at the facility, and identification of specific potential pollutants; and
- A description of appropriate measures and controls – includes the type and location of existing and proposed non-structural and structural best management practices (BMPs) selected for each of the areas where industrial materials or activities are exposed to storm water. Non-structural and structural BMPs to be described and implemented include such things as good housekeeping, preventive maintenance, spill prevention and response procedures, periodic inspections, employee training, record keeping, non-storm water evaluations and certifications, sediment and erosion control, as well as implementation/maintenance of traditional storm water management practices, where appropriate.

In addition, USEPA's MSGP requires routine facility inspections, quarterly visual assessment of discharges, comprehensive site inspections, documentation, recordkeeping and annual reporting. USEPA's MSGP and additional information is available at:

http://cfpub1.epa.gov/npdes/stormwater/msgp.cfm#permit_factsheet.

USEPA's MSGP sector-specific requirements for Treatment Works include consideration of additional control measures (e.g., routing stormwater to the treatment works, covering exposed materials). There are also sector-specific requirements for the site map, potential pollutant sources, wastewater and washwater requirements, and inspections. An industrial stormwater fact sheet series for Sector TW is available at USEPA's website:

http://www.epa.gov/npdes/pubs/sector_t_treatmentworks.pdf

The fact sheet series provides a brief summary of the NPDES industrial stormwater permitting program, types of facilities included, summary of typical pollutants associated with activities, and types of stormwater control measures (BMPs) used to minimize the discharge of those pollutants.

On-Site Industrial Activities

City of Clovis WWTP has a current design flow of 5.0 million gallons per day (MGD). The facility has been in operation at the site since approximately 1987. The facility has solids handling and storage; sludge drying beds (not currently used for sludge, but for contaminated soil); dried sludge piles; compost piles; septage or hauled waste receiving station; equipment/vehicle maintenance; fuel storage and fueling areas exposed to precipitation or run on or runoff. The septage receiving station and fueling area were on curbed concrete pads that drained to the WWTP according to the on-site operator representatives.

Examples of typical pollutants at treatment works for drying, storage and transfer of sludge, septage transfer and sludge transfer equipment include Nitrate, total dissolved solids (TDS), total suspended solids (TSS), ammonia, bacteria and pathogens, oil, fuel, and hydraulic fluids. Pollutants associated with equipment/vehicle maintenance and storage (e.g., spills and leaks of lubricants and coolants) include solvents, acids, oil, grease, arsenic, lead, cadmium chromium, chemical oxygen demand (COD) and benzene. *Source: Industrial Stormwater, Fact Sheet Series, Sector T: Treatment Works, U.S. EPA Office of Water, EPA-833-F-06-035, December 2006.*

Findings

City of Clovis, an operator of a treatment works with a design flow greater than one MGD, did not obtain coverage under the 1995, 2000 or 2008 USEPA NPDES MSGP. A SWPPP had not been prepared in written form, was not available at the site for inspection, and was not being implemented. There was no written documentation of routine facility inspections to confirm that off-site stormwater discharges had not occurred.

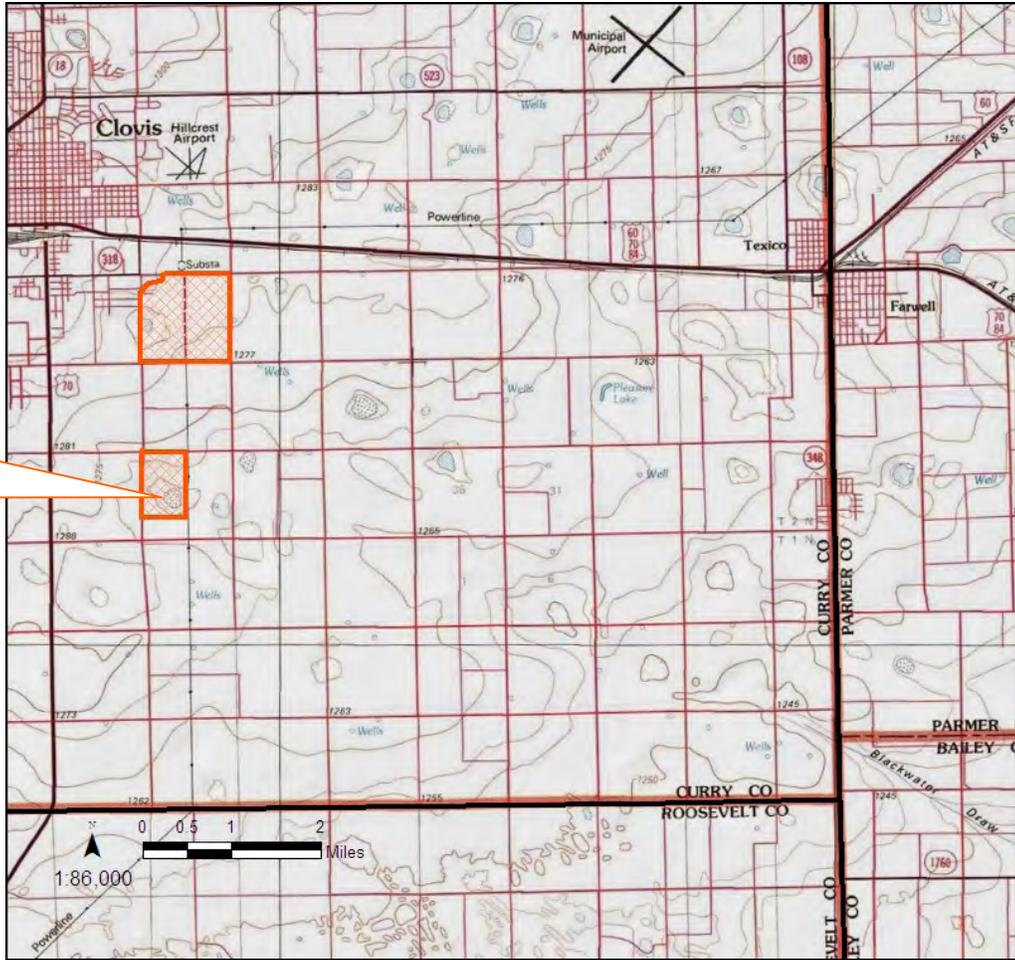
The facility appeared to have good housekeeping and some minimizing exposure control measures on the day of this inspection (e.g., no windblown trash observed, no spills or leaks observed in areas that do not drain to the WWTP, covered sludge belt press and equipment storage area, drum labeling). Off-site drainage from the north-northwest was routed around the facility to a flood/stormwater channel spillway at the southeast corner of the facility. On-site erosion and sediment and runoff management controls (e.g., established vegetation and earth berms) appeared to be well maintained. But, some control measures at the facility may not be stringent enough or properly maintained to prevent potential pollution sources from coming into contact with stormwater or runoff off site (see photo log).

Additional BMPs should be considered (e.g., sweep paved surfaces and placing accumulated solids at sludge/compost handling area; determine if structural controls like earth berms or low areas are of sufficient height or capacity to contain anticipated runoff; determine if secondary containment for fuel tanks is sufficient; shelter drums, barrels and similar containers from exposure to prevent deterioration and leaks; etc.). As another example, if chemical storage and fuel areas in high traffic areas cannot be relocated, then consider if vehicle barriers or other control measures are needed. Also, it appears that the grate/drop inlet in the sludge/compost handling area needs routine inspection and maintenance to prevent clogging.

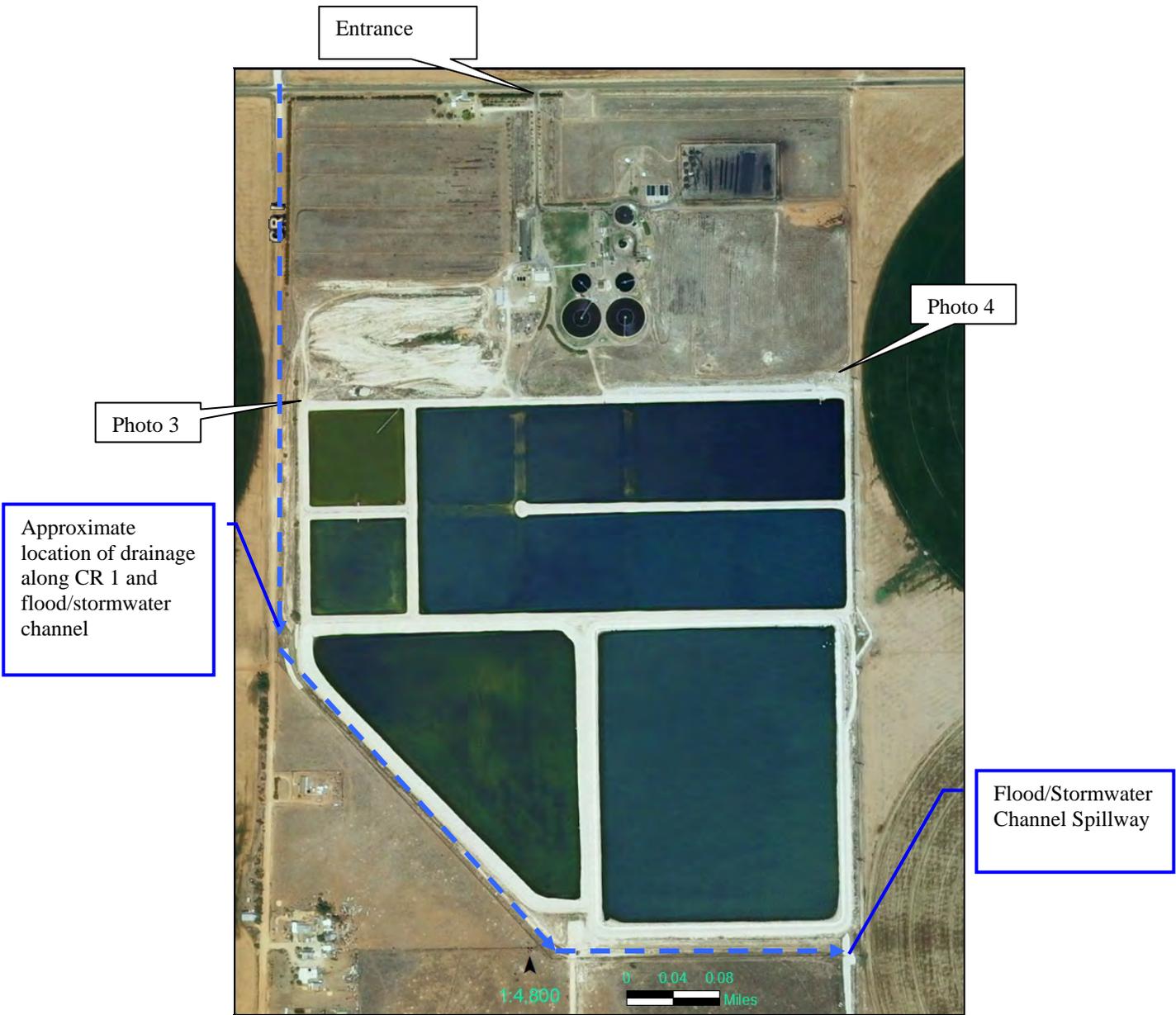
If not properly managed or minimized in accordance with USEPA's NPDES MSGP, pollutants in stormwater and any allowable non-stormwater discharges from this facility's industrial activity are a potential threat to water quality.

NMED/SWQB General Area Map		
Created by: Erin S. Trujillo		
City/County: Clovis / Curry County	State: New Mexico	
Location: City of Clovis WWTP.		

Approximate boundaries of WWTP



NMED/SWQB Facility Aerial Map		
Created by: Erin S. Trujillo		
City/County: Clovis / Curry County	State: New Mexico	
Location: City of Clovis WWTP. An open flood/stormwater channel and embankment exists along the western and southern boundary of the facility along the lagoons with a spillway at the southeast corner of the facility.		



NMED/SWQB Official Photograph Log Photo # 1		
Photographer: Erin S. Trujillo	Date: 03/01/2011	Time: 1545 hours
City/County: Clovis / Curry County		State: New Mexico
Location: City of Clovis Waste Water Treatment Plant		
Subject: Grate and drop inlet at paved sludge handling/compost area had accumulated solids and overgrown vegetation (some solids removed before this photo). Runoff entering inlet is piped to WWTP lagoon according to on-site operator representatives.		



NMED/SWQB Official Photograph Log Photo # 2		
Photographer: Erin S. Trujillo	Date: 03/01/2011	Time: 1550 hours
City/County: Clovis / Curry County		State: New Mexico
Location: City of Clovis Waste Water Treatment Plant		
Subject: Accumulated solids from vehicle tracking on paved road between sludge/compost handling area and rest of plant.		



NMED/SWQB Official Photograph Log Photo # 3		
Photographer: Erin S. Trujillo	Date: 03/01/2011	Time: 1612 hours
City/County: Clovis / Curry County		State: New Mexico
Location: City of Clovis Waste Water Treatment Plant		
Subject: Looking north, runoff from fill material storage area would flow to open stormwater channel on western facility boundary. According to on-site operator representatives, runoff from WWTP operations ponds in low areas before getting to this area		



NMED/SWQB Official Photograph Log Photo # 4		
Photographer: Erin S. Trujillo	Date: 03/01/2011	Time: 1622 hours
City/County: Clovis / Curry County		State: New Mexico
Location: City of Clovis Waste Water Treatment Plant		
Subject: Looking north, arrow points to low earth berm.		



NMED/SWQB Official Photograph Log Photo # 6		
Photographer: Erin S. Trujillo	Date: 03/01/2011	Time: 1650 hours
City/County: Clovis / Curry County		State: New Mexico
Location: City of Clovis Waste Water Treatment Plant		
Subject: Above-ground fuel tanks and chemical storage in concrete area with curb. Containment area drains to WWTP according to on-site operator representatives. No barriers or other structural measures were observed to protect tanks from vehicle traffic.		



NMED/SWQB Official Photograph Log Photo # 7		
Photographer: Erin S. Trujillo	Date: 03/01/2011	Time: 1650 hours
City/County: Clovis / Curry County		State: New Mexico
Location: City of Clovis Waste Water Treatment Plant		
Subject: Same above-ground fuel tanks and chemical storage area shown in previous photo. Drums were labeled (ex. used Antifreeze), raised on pallets and inside curbed area. But, drums were exposed to precipitation and rusted.		

