



NEW MEXICO
ENVIRONMENT DEPARTMENT

Surface Water Quality Bureau

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RON CURRY
Secretary
SARAH COTTRELL
Deputy Secretary

December 6, 2010

Mr. Edward Luna, Owner
Rio Rancho Iron Works Inc.
412-C Frontage Rd.
Rio Rancho, NM 87124

Re: Industrial Storm Water, SIC 3446, NPDES Compliance Evaluation Inspection, Rio Rancho Iron Works Inc., NMU001699, December 3, 2010

Dear Mr. Luna,

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 and 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 USEPA (Marcia Gail Bohling, USEPA (6EN-WC), 1445 Ross Ave., Dallas, Texas 75202) and NMED (at above address) regarding modifications and compliance schedules.

The NPDES Storm Water Multi-Sector General Permit for Industrial Activities (MSGP-2008) was reissued on September 29, 2008. The MSGP, fact sheet and other information on the industrial storm water program can be downloaded at <http://cfpub2.epa.gov/npdes/stormwater/msgp.cfm>.

Thank you for the cooperation and assistance provided during my visit to your site. If you have any questions, please feel free to contact me at the above address or by telephone at (505) 222-9587.

Sincerely,
/s/ Sarah Holcomb
Sarah Holcomb
Environmental Scientist/Specialist
Surface Water Quality Bureau

Cc: Marcia Gail Bohling, USEPA (6EN-AS) via e-mail
Stacey Bennett-Dwyer, USEPA (6EN-AS) via e-mail
Carol Peters-Wagnon, USEPA (6EN-WM) via e-mail
Diana McDonald, USEPA (6EN-WM) via e-mail



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	U	0	0	1	6	9	9	11	12	1	0	1	2	0	3	17	18 ~	19 S	20 2			
Remarks																									
S E C T O R A A																									
Inspection Work Days				Facility Evaluation Rating				BI		QA		-----Reserved-----													
67				70 2				71 N		72 N		73		74		75		76		77		78		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) RIO RANCHO IRON WORKS, RIO RANCHO, SANDOVAL COUNTY – FROM HWY 528, HEADED NORTH, TURN RIGHT ONTO THE FRONTAGE ROAD AT THE SUNDT LIGHT. CONTINUE NORTH ON THE FRONTAGE RD UNTIL 412-C.	Entry Time /Date 1230 hours / 12-3-2010	Permit Effective Date 9-29-2008
	Exit Time/Date 1250 hours / 12-3-2010	Permit Expiration Date 9-29-2013
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) MR. EDWARD LUNA, OWNER (505) 994-0776	Other Facility Data SIC CODE: 3446 GPS: N. 35° 15' 48.55" W. 106° 37' 49.69"	
Name, Address of Responsible Official/Title/Phone and Fax Number MR. EDWARD LUNA, OWNER (505) 994-0776 RIO RANCHO IRON WORKS INC. 412-C FRONTAGE RD., RIO RANCHO, NM 87124	Contacted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

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

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

- FACILITY HAS NOT APPLIED FOR AND RECEIVED REQUIRED NPDES PERMIT COVERAGE AND HAS NOT PREPARED AND IMPLEMENTED A STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
- SEE ATTACHED REPORT AND FURTHER EXPLANATIONS.

Name(s) and Signature(s) of Inspector(s) Sarah Holcomb /s/ Sarah Holcomb	Agency/Office/Telephone/Fax NMED/SWQB 505-222-9587	Date 12-6-2010
Signature of Management QA Reviewer Richard Powell /s/ Richard Powell	Agency/Office/Phone and Fax Numbers NMED/SWQB 505-827-2798	Date 12-6-2010

**Compliance Evaluation Inspection
Rio Rancho Iron Works Inc., Sector AA
NPDES Permit #NMU001699, December 3, 2010**

Further Explanations

Introductions

On December 3, 2010, a Compliance Evaluation Inspection was conducted at the Rio Rancho Iron Works Inc. facility (Standard Industrial Classification code: 3446) located in Rio Rancho, New Mexico by Sarah Holcomb of the State of New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB). The purpose of this inspection was to document the operator's status regarding the NPDES multi-sector general storm water permit (MSGP) for industrial activities (this facility has industrial activities being conducted on-site that meet the description of industrial activities in Sector AA) and stormwater regulations at **40 Code of Federal Regulations (CFR) Part 122.26**.

Rio Rancho Iron Works Inc. has been in business since 1997. This facility is engaged in the manufacturing of various iron materials, including gates and fences.

Storm water from this facility discharges to the Rio Rancho MS4, thence to the Rio Grande in 20.6.4.106 NMAC of the Rio Grande Basin (*State of New Mexico Standards for Interstate and Intrastate Surface Waters*). Designated uses of the Rio Grande in this section are irrigation, marginal warmwater aquatic life, livestock watering, wildlife habitat and secondary contact.

The inspector arrived at the facility at 1230 hours. The inspector conducted an entrance interview with Mr. Edward Luna, Owner, and Ms. Rochelle Anaya, Office Manager, during which the inspector made introductions, presented her credentials and discussed the purpose of the inspection. Ms. Anaya accompanied the inspector on a tour of the facility and explained processes in place.

This report is based on verbal information reported by the facility representative, on-site observations made by NMED personnel, and records maintained by NMED and the USEPA.

Findings:

Section 301(a) of the Federal Water Pollution Control Act (a.k.a. Clean Water 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.

40 Code of Federal Regulations 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."

This facility did not have NPDES permit coverage on the date of this inspection. Storm water discharges from this facility can be regulated by either an individual NPDES permit or the Storm Water Multi-Sector General Permit for Industrial Activities (MSGP). This type of facility is covered under Section AA – Fabricated Metal Products – under SIC 3446.

A Storm Water Pollution Prevention Plan (SWPPP) had not been prepared in written form, was not available at the site for inspection, and was not being implemented on site. 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 BMPs (Best Management Practices) 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.

Activities at this iron manufacturing facility can result in the creation of various pollutant sources that include, but are not limited to, the following:

- **Metal Preparation:** These activities can be a source of pollutants such as steel scraps, aluminum scraps, brass, copper, dust, chips and borings, steel scale, Teflon, and manganese. These pollutants can come from sources such as grinding, welding, sawing, shaving, brazing, bending, cutting and etching.
- **Parts Cleaning:** These activities can be a source of pollutants such as acid, coolants, clean composition, degreaser, mineral spirits, pickle liquor, spent caustic, and sludge. These pollutants can come from sources such as solvents, hot and cold dips, cleaning parts, and degreasing.
- **Surface Treatment:** These activities can be a source of pollutants such as acid, aromatic solvents, corn cob, lubricants, sand, oil, pH, nitrites, nitrates, carbon phosphates, borates, nitrogen, oily sludge, nickel, chromium, and hydrofluoric acid. These pollutants can come from sources such as finishing, plating, case hardening, chemical coating, coating, polishing, rinsing, abrasive cleaning and electroplating.
- **Galvanizing:** These activities can be a source of pollutants such as acid solution, phosphates, zinc chromate, hexavalent chromium, and nickel. These pollutants can come from sources such as spills, leaks and transporting materials.
- **Painting:** These activities can be a source of pollutants such as paint wastes, thinner, varnish, heavy metals, and spent chlorinated solvents. These pollutants can come from sources such as empty containers, paint application wastes, spills, over spraying and storage areas.
- **Heavy equipment use and storage:** These activities can be a source of pollutants such as oil, heavy metals, organics, fuels, TSS, hydraulic oil, diesel fuel and gasoline. These pollutants can come from sources such as leaking fluids, fluid replacement, washing equipment, use on poor surface area, and soil disturbance.
- **Equipment maintenance:** These activities can be a source of pollutants such as oil and grease. These pollutants can come from sources such as leaking fluids, fluid replacement, and washing equipment.
- **Storage of uncoated structural steel:** These activities can be a source of pollutants such as aluminum, lead, zinc, copper, iron, oxide, oil, nickel and manganese. These pollutants can come from sources such as being stored on porous pavements.
- **Storing galvanized steel directly on the ground:** This activity can be a source of pollutants such as zinc, nickel, cadmium and chromium. This comes from galvanized material dripping or leaking.
- **Vehicle/equipment traffic:** These activities can be a source of pollutants such as Total Suspended Solids (TSS) from erosion, and hydraulic fluid loss/spillage. These pollutants can come from sources such as soil disturbance and erosion.
- **Cleaning equipment/vehicles:** These activities can be a source of pollutants such as oil, grease, surfactants, chromates, acid, hydroxide, and nitric acid. These pollutants can come from sources such as chemicals disposed improperly and spillage.
- **Storage areas:** This activity can be a source of pollutants such as benzene, toluene, xylene, and other volatile organics, and solvents. These pollutants can come from sources such as unidentifiable drums, extended exposure to weather conditions, tank corrosion, and open containers.
- **Equipment usage:** This activity can be a source of pollutants such as oil, grease and lead. These pollutants can come from sources such as malfunctioning equipment, and stockpiled obsolete equipment.

- **Above ground storage tanks:** This activity can be a source of pollutants such as fuel oil and various chemicals. These pollutants can come from sources such as installation problems, spills, external corrosion and structural failure.

If not properly managed or treated in accordance with an NPDES permit, activities associated with the treatment of wastewater at this facility are a potential threat to water quality through storm water discharges.

Site Inspection Summary

The MSGP was reissued in 2008.

On the day of the inspection, some pollutant sources observed on site that were exposed outside and could potentially come into contact with storm water included: a grinding operation for preparing the materials for construction.

For additional information on BMPs and SWPPPs for Sector AA, please refer to pages 51048-51055 in the document entitled *Final NPDES Storm Water Multi-Sector General Permit for Industrial Activities (Federal Register/Vol. 60, No. 189, Friday, September 29, 1995)*. This document can be downloaded from “Storm Water Archived Publications” at: https://cfpub2.epa.gov/npdes/docs.cfm?view=archivedprog&program_id=6&sort=date_published. This is an older, discontinued permit (1995 MSGP) but contains helpful background information that was not carried over to either the 2000 or 2008 MSGP.

An exit interview to discuss the preliminary findings of this inspection was conducted on-site with Mr. Luna and Ms. Anaya at approximately 1245 hours. The inspector informed the facility representatives of the requirements under the NPDES storm water program regarding permitting requirements, preparation of a SWPPP, and installation of appropriate storm water runoff control practices (per the SWPPP).

After returning to the office, the inspector sent Mr. Luna an email with information on the permitting process, including links to the permit, an example Storm Water Pollution Prevention Plan, guidance documents, Best Management Practices and how to file for coverage using the eNOI system. The inspector also left a business card with Mr. Luna in case there were questions at a later time.