

**HAZARDOUS WASTE SECTION - COMPLIANCE BRANCH  
FILE TRANSMITTAL & DATA ENTRY FORM**

**Your Name:** Heather Goldman

**Facility ID Number:** NCS000002118

**Facility Name:** The Chrome Man/ The Chrome Shop/ Pure Gold

**Document Group:** Inspection/Investigation (I)

**Document Type:** I - Complaint Investigation (CMP)

**File Description/Comments:** No violations cited. Chrome plating operation.

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**Author(s) of Document:** Heather Goldman

**Inspector ID #:** NC111

**Suborganization:** Western Region

**County (if not on report):** Cabarrus

**STATE OF NORTH CAROLINA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
DIVISION OF WASTE MANAGEMENT  
HAZARDOUS WASTE SECTION**

**COMPLAINT INVESTIGATION (CMP) REPORT**

September 9, 2016

Site Information: The Chrome Man/The Chrome Shop/Pure Gold  
10000 Bethel Church Road  
Midland, NC 28107  
EPA ID# NCS 000 002 118  
704-888-0112/704-550-6423

Property Owners: Jimmy and Mary Elizabeth Parks  
10000 Bethel Church Road  
Midland, NC 28107

Inspected by: Hazardous Waste Section - Heather Goldman, ESS  
[Heather.goldman@ncdenr.gov](mailto:Heather.goldman@ncdenr.gov); 980-224-9858 – Office  
PO Box 241001, Charlotte, NC 28224-1001

Inspection Participants: Douglas Steele – Cabarrus County Fire Marshall Office; Michael Caudle – Cabarrus County Code Enforcement; Jay Lowe – Cabarrus County Zoning Inspector; Matt Love – Cabarrus County Building Inspector; Jimmy Parks – Pure Gold; David Parks – The Chrome Shop; Kevin Parks – The Chrome Man; Olympia Parks – The Chrome Shop; Heather Goldman – NCDEQ HWS ESS

Date of Inspection: June 15, 2016; 1:45 p.m. – 3:30 p.m.

Report Prepared By: Heather Goldman, ESS

Purpose of Inspection: To determine compliance with RCRA regulations and to investigate a chrome plating complaint.

Nature of Complaint: On June 6, 2016 Cabarrus County contacted NCDEQ Solid Waste Section to investigate the Jimmy Parks Chrome Shop and what regulations would apply with chrome plating use. The complaint was then referred to the Hazardous Waste Section. On July 13, 2016, Ms. Goldman received the referral. A residential garage, approximately 45-feet X 40-feet in size, is used to house three plating companies on Cabarrus County Parcel ID: 10-009-0018.00, 10000 Bethel Church Road, Midland, NC 28107. The parcel is 26.48 acres in size (Cabarrus County GIS) and zoned as CR, Countryside Residential. The three plating companies that operate out of the garage include Pure Gold, The Chrome Shop, and The Chrome Man. The three companies share equipment and chemicals, yet sale plating services under separate business names.

Findings: On June 15, 2016 a site visit was conducted by Ms. Heather Goldman-ESS in coordination with Cabarrus County Building Inspection group. The plating operation was not in operation at the

time of inspection, as the facility was in the process of making regulatory updates to the building for compliance with Cabarrus County rules. The facility appeared to be operating as a Conditionally Exempt Small Quantity Generator (CESQG) at the time of inspection. The plating room was approximately 20-feet X 40-feet in size. Although the owners of the plating companies were familiar with what was in each tank, none of the tanks were labeled. **It is strongly recommended that all chemical and process tanks/containers be labeled to describe its contents.** The plating room was noted by facility personnel as being 1320 cubic feet in size.

A separate room is located along the back side of the building called the “Polishing Room”. Ten 55-gallon containers and one 30-gallon container, that were identified in a previous inspection, were observed stored in this room. The following list is based on findings from a previous inspection and information provided by facility personnel.

Container ID	Type of Waste
#1 Nickel Rinse Water	Not waste - reusable
#2 Zincate	Usable material
#3 Caustic Waste with Zinc	Hazardous Waste, but can be neutralized through RCRA elementary neutralization exemption
#4 Acid Copper and Nickel Rinse	Hazardous Waste
#9 Copper Cyanate Rinse	Non Hazardous Waste
#11 Acid Wash	Non Hazardous Waste
#12 Copper Cyanate Rinse	Non Hazardous Waste
#13 Copper Cyanate Rinse	Non Hazardous Waste
#14 Nickel and Copper Rinse Water	Non Hazardous Waste
#18	Not waste - reusable

The containers were all stored inside the Polishing Room, closed, and marked with a sample ID number. All hazardous waste containers were labeled as hazardous waste. The facility owners plan to remove the remaining waste from the property. There have been ongoing issues with the facility’s tractor that is used to move the containers to the main road where it can be loaded onto a truck for transportation to a disposal facility.

Safety data sheets (SDS) were received from Ms. Olympia parks for chemicals used in the plating process. The facility uses SIFCO Process Coper Strike, which includes 10-20% sodium cyanide (P106) and 10-20% Copper cyanide (P026). Spent cyanide plating bath solutions from electroplating operations are F007 listed waste. If the facility disposes of off specification, out of date, or unused SIFCO Process Coper Strike product, then the material will be hazardous waste for P106 and P026 listed waste. D002 and D003 would also apply based on SDS provided information.

The facility also uses SIFCO Process Copper Acid, Chromic acid, sulfuric acid, and sodium hydroxide that have pH levels, based on the SDSs provided, that would be corrosive waste, D002. Chromium content in waste elevated at or above 5.0 mg/L would be characteristic D007 hazardous waste. The facility must ensure that all waste streams generated onsite have a waste determination conducted per 40 CFR 262.11. It was explained by facility personnel that there is typically no stripper tank waste produced. Water is added to the stripper tank as needed.

The facility also generates glass bead blast waste from blasting customer provided metal parts prior to plating. Approximately one gallon of waste bead blast waste was observed on the ground outside. Ms. Goldman directed the clean-up of the spilled material and waste determination, per 40 CFR 262.11, on the waste material prior to disposal. It was explained that the bead blast material is used

over and over until it is a dust and most likely the material that was spilled on the ground was from the vacuum cleaner filter. On August 8, 2016 Ms. Parks confirmed, via telephone, that the dust was cleaned up and containerized. Ms. Parks also confirmed that a waste determination would be conducted on the material.

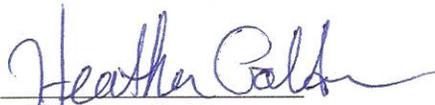
A copy of the signed hazardous waste manifest for the shipment of the hazardous waste container of Acid Copper and Nickel Rinse is to be mailed to Ms. Heather Goldman at PO Box 241001, Charlotte, NC 28224-1001 or e-mailed to [Heather.Goldman@ncdenr.gov](mailto:Heather.Goldman@ncdenr.gov).

Comments:

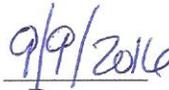
- The facility must conduct waste determinations, per 40 CFR 262.11, on all waste streams prior to disposal.
- It is strongly recommended that all chemical and process tanks/containers be labeled to describe its contents.
- An unannounced follow-up inspection may be conducted.

Site Violations:

- None



**Heather Goldman**  
**Environmental Senior Specialist**  
**DWQ Hazardous Waste Section**



**Date**

ec: Jimmy and Mary Elizabeth Parks -Property Owner  
Olympia Parks at [goldmama@bellsouth.net](mailto:goldmama@bellsouth.net)  
[Samorris@cabarruscounty.us](mailto:Samorris@cabarruscounty.us)  
Sean Morris, Western Unit Compliance Supervisor  
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