NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET
(pursuant to NAC 445A.236)

Permittee Name: Colorite Waterworks
909 East Glendale Avenue
Sparks, Nevada 89431

Permit Number: NV0021091

Location: Colorite Waterworks Manufacturing Facility
909 E. Glendale Road
Sparks, Washoe County, Nevada
NE¼ of the SE¼ Section 9, Township 19N. Range 20E., M.D.B. & M.

Location of Facility
Latitude 39° 31' 31.7" N.
Longitude 119° 43' 41.1" W.

Location of Discharge to People's Ditch/North Truckee Drain
Latitude 39° 31' 42" N.
Longitude 119° 43' 23" W.

Location of Confluence of North Truckee Drain and the Truckee River:
Latitude 39° 31' 15.98" N
Longitude 119° 42' 20.32" W
Township 19 N, Range 20 E, Section 11 MDB&M

Well Head and Drinking Water Supply Protection: The Colorite Waterworks manufacturing facility does not discharge to groundwater of the State of Nevada. However, the facility is located within the 6000' but outside the 3000' Drinking Water Protection Areas (DWPAs) of one community well owned by the Truckee Meadows Water Authority and one non-transient, non-community well owned by the Sagewind Youth Center. The facility is outside any established Well Head Protection Zone.

General: Colorite Waterworks, formerly Colorite Plastics (Colorite) has applied for permit renewal to discharge process cooling water to the Truckee River via the City of Sparks storm drain and People's Ditch. Colorite manufactures garden hose using polyvinylchloride (PVC) resins, which require a cooling process to cure. Cooling water is supplied to the process from three (3) water supply wells located near the Colorite production plant. The permit was first issued to Colorite in 1995. Previous permits for the site were issued to Gering Products, a division of Dart Industries, Inc, with the original permit issued in 1977. The Permittee has requested continuation of the previous flow limits in the renewed permit.

Regional groundwater characteristics contribute low concentrations of trichloroethyene (TCE), tetrachloroethyene (PCE), 1,1,2,2-Tetrachloro-1,2-difluoroethane (Freon 112), methyl tert butyl ether (MTBE), and cis-1,2 Dichloroethane (1,2-DCA) , which were detected in the Colorite influent wells during a regional groundwater study performed by Simon Hydro-Search, Inc. (November

1991) and Environmental Management Associates (EMA, August 1992). These constituents are not used in the manufacturing process, and are present solely due to their occurrence in the groundwater.

Under the term of the permit issued in 2001, facility effluent has been monitored and/or limited for only flow, trichloroethene (TCE), and nitrate as nitrogen (-N) constituents. As part of the permit renewal, the industrial wastewater was tested for all pollutants listed in the National Pollutant Discharge Elimination System (NPDES) Form 2C. No other constituents were found in appreciable amounts.

Total Nitrogen, Total Phosphorus and Total Dissolved Solids (TDS) present in the Colorite discharge, attributable exclusively to the groundwater source, have been incorporated into the Total Maximum Daily Load (TMDL) established for the Truckee River as a background source (approved by EPA in April 1994). Based on the analytical data provided with the permit renewal application and historic data on file, the Division has determined that these constituents are not present in amounts likely to cause degradation of the Truckee River. The proposed permit will not require quarterly monitoring and reporting for these constituents.

During the initial research and evaluation of the permit renewal application, it was determined that the facility actually falls under the categorical standards listed in 40 CFR Part 463, Plastics Molding and Forming Point Source Category. Under this regulation, Subpart A, Contact Cooling and Heating Water Subcategory, applies. For this reason, constituents limited in Subpart A shall be monitored and limited in the renewed permit.

Receiving Water Characteristics: Treated and untreated effluent is discharged to the City of Sparks storm drain system, thence into People's Ditch, where it flows approximately one mile to the North Truckee Drain. It is approximately a mile and a half from the confluence of the People's Ditch with the North Truckee Drain to the Truckee River. Water quality standards for the Truckee River at Lockwood Bridge (Nevada Administrative Code (NAC) 445A.187) apply to this reach of the river. Beneficial uses listed for this segment of the Truckee River include: aquatic life, water contact recreation, wildlife propagation, irrigation, stock watering, municipal or domestic supply, industrial supply, and non-contact recreation. Discharge is also subject to limitation in accordance with NAC 445A.110 *"Toxic Material" defined* and with NAC 445A.144 *Standards for toxic materials applicable to designated waters.*

Discharge Flow and Characteristics: During the period from 2001 to present, there have been no exceedances of permit limits. The following flow and water quality data were submitted to the Division during the period from July 2001 through September, 2008:

PARAMETER	PERMIT LIMIT	AVERAGE	MAXIMUM	MINIMUM
Flow, (MGD)				
30-Day Average	***0.250***	0.084	0.163	0.009
Daily Maximum	***0.335***	0.134	0.294	0.023
Tetrachloroethene (TCE) (mg/l)	***0.005***	0.002	0.0048	<0.001
Nitrate as N (mg/l)	***NA***	1.03	1.4	0.59

Proposed Effluent Limitations:
The discharge shall be limited and monitored by the Permittee as specified below.

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	30 - Day Average	Daily Maximum	Measurement Frequency	Sample Type
Flow (mgd)	0.250	0.335	Continuous[1]	Hour Meter
BOD_5 (mg/l)	---	26	Quarterly	Discrete
Oil and Grease (mg/l)	---	29	Quarterly	Composite
Total Suspended Solids (mg/l)	---	19	Quarterly	Composite
pH (Standard Units)	6.0 - 9.0		Monthly	Quarterly
bis(2-ethylhexyl) phthalate (µg/l)	---	6.0	Quarterly	Composite
Trichloroethylene (TCE) (µg/l)[2]	---	5.0	Quarterly[3]	Discrete

mgd: Million gallons per day
mg/l: Milligrams per liter
µg/l: Micrograms per liter

1 Flow measurements shall be estimated and inferred from influent pump hour meters timing regularly calibrated pumps. Hour meter readings shall be recorded weekly.

2 TCE concentrations shall be quantified using EPA Method 8260 or equivalent.

3 Based on TCE concentration data is submitted and compiled on a quarterly basis for a period of one year, the Division reserves the option to increase, decrease, or eliminate the sampling frequency and/or the limitation condition as a minor modification to the permit.

Schedule of Compliance and Special Conditions: The Permittee shall implement and comply with the provisions of the schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications which the Administrator may make in approving the schedule of compliance.

a. The Permittee shall achieve compliance with the effluent limitations upon issuance of the permit.

b. By MMM DD, 2009, the Permittee shall submit, for Division review and Approval, an updated Operations and Maintenance (O&M) Manual.

Rationale for Permit Requirements: Monitoring is required to ensure that unauthorized discharges have not occurred and to prevent the degradation of the Truckee River.

Flow: The flow has been set at 30-Day Average and Daily Maximum limits of 0.250 and 0.335 MGD, respectively, at the Permittee's request.

BOD_5, Oil and Grease, bis(2-ethylhexyl) Phthalate, and pH: Permit limits for BOD_5, Oil and Grease, bis(2-ethylhexyl) Phthalate, and pH are set according to the categorical standards listed in 40 CFR Part 463, Plastics Molding and Forming Point Source Category, Subpart A, Contact Cooling and Heating Water Subcategory. These limits are concentration based, and are not based on plant production.

Trichloroethylene (Trichloroethene, TCE): Trichloroethylene is limited according to NAC 445A.144, *Standards for toxic materials applicable to designated waters*.

Procedures for Public Comment: Notice of the Division's intent to issue a permit authorizing Colorite to discharge to surface waters of the State of Nevada, subject to the terms and conditions contained within the permit, is being sent to the **Reno Gazette Journal** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing until **5:00 PM June 22, 2009,** which is a period of at least 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person, or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238. The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination: The Division has made the tentative determination to reissue the proposed permit for a period of five (5) years.

Prepared by: Janine O. Hartley, P.E.
Bureau of Water Pollution Control
March, 2009