



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

1850 LINCOLN STREET  
DENVER, COLORADO 80295

September 16, 1981

U.S. ENVIRONMENTAL PROTECTION AGENCY/STATE OF UTAH

## PUBLIC NOTICE

UT810911-060

ACT/007/006

PURPOSE OF PUBLIC NOTICE

THE PURPOSE OF THIS NOTICE IS TO STATE EPA'S INTENTION TO ISSUE WASTE WATER DISCHARGE PERMITS UNDER THE AUTHORITY OF THE CLEAN WATER ACT OF 1977, AND THE INTENTION OF THE STATE OF UTAH TO CERTIFY COMPLIANCE OF THE APPLICANTS WITH APPLICABLE PROVISIONS OF THE AFORESAID ACT.

IT IS EPA'S INTENTION TO ISSUE A PERMIT TO ONE (1) INDUSTRIAL FACILITY AND TO RENEW ONE (1) MAJOR MUNICIPAL AND ONE (1) MAJOR INDUSTRIAL FACILITIES LOCATED IN THE STATE OF UTAH.

PERMIT INFORMATION

(1) APPLICANT NAME: GETTY MINERAL RESOURCES COMPANY  
MERCUR CANYON PROJECT

MAILING ADDRESS: P.O. BOX 15668  
SALT LAKE CITY, UTAH 84115

TELEPHONE NUMBER: 801+487-0861

APPLICATION NUMBER: UT-0023884

BTM  
COPY TO  
TENT.

The application is for the Mercur Canyon Project which consists of a gold surface mine and cyanidization mill complex. The tailings pond is designed for no discharge. A settling pond is provided to receive site runoff from the plant, ore storage areas, waste rock dump, and some mine drainage water. Water collected in the pond will be lost by evaporation or used for process water in the mill. In the event of a discharge, it will flow to Mercur Creek (unclassified ephemeral stream), tributary to the Rush Valley.

(2) PERMITTEE NAME: NEPHI CITY CORPORATION

MAILING ADDRESS: 54 NORTH MAIN  
NEPHI, UTAH 84648

TELEPHONE NUMBER: 801+623-0822

NPDES PERMIT NUMBER: UT-0020818

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The renewal permit is for the City's waste water treatment facilities which consist of a four-cell lagoon system. It is designed for secondary treatment capabilities for 450,000 gallons per day (GPD) and 3,600 population equivalent (P.E.). The first cell is aerated while the remaining three cells operate as facultative ponds. Chlorination is provided for disinfection of the treated effluent.

The waste water is predominantly of domestic origin. However, a meat packing plant contributes an average load of 14,000 GPD and 160 P.E. which could significantly impact treatment operations during certain heavy slaughtering days. Since the system was constructed, no discharge has been experienced. In the event of a discharge, it would flow to West Creek, a tributary of Currant Creek (classified 3A and 4).

- (3) PERMITTEE NAME: UTAH POWER & LIGHT COMPANY  
CARBON PLANT
- MAILING ADDRESS: P.O. BOX 899  
SALT LAKE CITY, UTAH 84110
- FACILITY ADDRESS: P.O. BOX 839  
HELPER, UTAH 84526
- TELEPHONE NUMBER: 801+535-2234
- NPDES PERMIT NUMBER: UT-0000094

The renewal permit is for the Utah Power & Light's Carbon Plant located in Price River Canyon, about four miles north of the Town of Helper, Utah, and at the confluence of Willow Creek with the Price River. The Carbon Plant has two coal fired units rated at 66 megawatts (MW) and 100 MW.

There are, at present, two water discharges at the Carbon Plant. Discharge 001 is cooling tower blowdown and drainage from seal water, filtered through an automatic sand filter and discharged into Willow Creek which flows into Price River. Discharge 002, which was a boiler blowdown, was eliminated and is now part of Discharge 003. Discharge 003 consists of vacuum pump waters, air washer waters, sand filter backwash, raw water clarifier backflush, treated water room back flush, evaporator blowdown and boiler blowdown. The water stream is neutralized and sent to the Ash Pond prior to discharging into the Price River (classified 3C and 4).

EPA/STATE TENTATIVE DETERMINATIONS

Tentative determinations have been made by the EPA staff in cooperation with the State of Utah relative to effluent limitations and other conditions to be imposed on the permits. These limitations and conditions will assure that State Water Quality Standards and applicable provisions of the Clean Water Act will be protected. The recommended expiration dates are June 30, 1986, for Nephi City Corporation and September 30, 1986, for Getty Mineral Resources and Utah Power and Light Company.