

# BIOLOGICAL NUTRIENT REMOVAL PROJECT



Regional San's wastewater treatment plant is **THE LARGEST DISCHARGER** TO AN INLAND WATER BODY west of the Mississippi River

THE BNR IS RESPONSIBLE

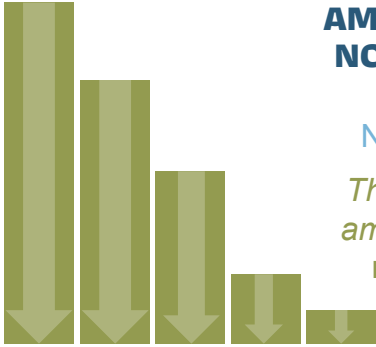


for removing more than

# 99%

OF THE AMMONIA

from our wastewater



**AMMONIA LEVELS ARE NOW UNDETECTABLE**

BECAUSE OF THE NEW BNR PROJECT

The old process yielded ammonia levels at **35-40 milligrams per liter**

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The rates being charged for the next 5-7 years are about 1/2 of what was estimated

ON AN ANNUAL AVERAGE



the plant treats

## 130 MILLION GALLONS/DAY



and can treat up to

## 330 MILLION GALLONS DAILY

Each of the 6 blowers provide

## 3,000

HORSEPOWER



of aeration



The pump station that feeds BNR is comprised of

## 4 PUMPS

EACH UTILIZING 400 HORSEPOWER

THE BNR PROJECT USED



## 35,000

TONS OF STEEL



## 350,000

CUBIC YARDS OF CONCRETE



The entire BNR site is the equivalent to nearly 18 football fields

