

**EXHIBIT O**

**WATER RESOURCES**

OAR 345-021-0010(1)(o)

**TABLE OF CONTENTS**

	<b>Page</b>
O.1 INTRODUCTION .....	O-1
O.2 USE OF WATER.....	O-1
O.3 SOURCES OF WATER .....	O-1
O.4 WATER LOSSES .....	O-1
O.5 WATER BALANCE DIAGRAM.....	O-1
O.6 PERMITS OR TRANSFERS REQUIRED.....	O-2
O.7 EVIDENCE IN SUPPORT OF PERMITS OR TRANSFERS .....	O-2
O.8 OTHER MITIGATION MEASURES .....	O-2



## O.1 INTRODUCTION

**OAR 345-021-0010(1)(o)** *Information about water use during construction and operation of the proposed facility. The Applicant shall include:*

## O.2 USE OF WATER

**OAR 345-021-0010(1)(o)(A)** *A description of the use of water during construction and operation of the proposed facility.*

Response: During construction of this Project, water will primarily be used for dust control, and making concrete. During operations, water will be provided in the O&M facilities for normal domestic use, such as drinking, showering, etc.

## O.3 SOURCES OF WATER

**OAR 345-021-0010(1)(o)(B)** *A description of each source of water and the Applicant's estimate of the amount of water the facility will need during construction and during operation from each source under annual average and worst-case conditions.*

Response: During construction, water that has been obtained from a permitted source will be trucked to the site. Approximately 25 million gallons will be needed during the approximately 10 month construction period.

During operations, water for the O&M facilities will be supplied from an exempt well (i.e., one that produces less than 5000 gallons per day) located near the O&M building.

## O.4 WATER LOSSES

**OAR 345-021-0010(1)(o)(C)** *A description of each avenue of water loss or output from the facility site for the uses described in (A), the Applicant's estimate of the amount of water in each avenue under annual average and worst-case conditions and the final disposition of all wastewater.*

Response: Water used for dust control (22.5 million gallons) will evaporate into the atmosphere. Water used for foundations (2.6 million gallons) will remain in the concrete mix. Water used at the O&M facilities (less than 5000 gallons per day) will be discharged to an on site septic system, and ultimately discharged to the soil in a drain field.

## O.5 WATER BALANCE DIAGRAM

**OAR 345-021-0010(1)(o)(D)** *For thermal power plants, a water balance diagram, including the source of cooling water and the estimated consumptive use of cooling water during operation, based on annual average conditions.*

Response: Not applicable.

## **O.6 PERMITS OR TRANSFERS REQUIRED**

**OAR 345-021-0010(1)(o)(E)** *If the proposed facility would need a groundwater permit, a surface water permit or a water right transfer, an explanation of why no such permit or transfer is required for the construction and operation of the proposed facility.*

Response: Not applicable.

## **O.7 EVIDENCE IN SUPPORT OF PERMITS OR TRANSFERS**

**OAR 345-021-0010(1)(o)(F)** *If the proposed facility would need a groundwater permit, a surface water permit or a water right transfer, information to support a determination by the Council that the Water Resources Department should issue the permit or transfer of a water use, including information in the form required by the Water Resources Department under OAR Chapter 690, divisions 310 and 380.*

Response: Not applicable.

## **O.8 OTHER MITIGATION MEASURES**

**OAR 345-021-0010(1)(o)(G)** *A description of proposed actions to mitigate the adverse impacts of water use on affected resources.*

Response: No adverse impacts are expected to result from water use at the Project during construction and operation; therefore, no mitigation measures are proposed.