

CARLSBAD DESALINATION PROJECT
REPORT OF WASTE DISCHARGE APPENDICES

Appendix Letter	Appendix Title	Date Submitted
A	Compliance with Ocean Plan Amendments (Errata in Appendix JJ below)	September 4, 2015
B	Intake Discharge Feasibility Report (Addendum in Appendix II below)	September 4, 2015
C	Hydrodynamic Discharge Study	September 4, 2015
D	Coastal Process Effects of Reduced Intake	September 4, 2015
E	NPDES Order No. R9-2011-0028	September 4, 2015
F	Water Circulation in Agua Hedionda Lagoon	September 4, 2015
G	Acute Toxicity Study	September 4, 2015
H	Chronic Toxicity Study	September 4, 2015
I	Brine Dilution Salinity Tolerance	September 4, 2015
J	Fish-Friendly Pumping	September 4, 2015
K	Intake/Discharge Entrainment Analysis	September 4, 2015
L	CFD Modeling of Flow Augmentation System	September 4, 2015
M	Antidegradation Analysis	September 4, 2015
N	Life Cycle Cost Analysis (Revised in Appendix OO below)	September 4, 2015
O	NPDES Order No. R9-2009-0038	September 4, 2015
P	Flow, Entrainment, Impingement Minimization Plan	September 4, 2015
Q	Final EIR	September 4, 2015
R	California Coastal Commission Approval of Marine Life Mitigation Plan	September 4, 2015
S	Hydrogeologic Investigation SDG&E Encina Power Plant, Carlsbad, CA	September 4, 2015
T	Drought Proofing Through Desalting the SDG&E Approach	September 4, 2015
U	Huntington Beach Desalination Project, ISTAP Phase I & II Reports	September 4, 2015
V	U.S. Fish and Wildlife Service MOU	September 4, 2015
W	SDCWA 2010 Urban Water Management Plan and 2013 Facilities Master Plan Update	September 4, 2015
X	Construction Cost Estimates for Intake/Discharge Alternatives	September 4, 2015
Y	Implementation Schedules for Intake/Discharge Alternatives	September 4, 2015
Z	Proposed Monitoring and Reporting Plan	September 4, 2015
AA	California Coastal Commission Approval of CDP	August 18, 2016
BB	Revised Hydrodynamic Discharge Modeling Report	August 18, 2016
CC	Encina Wastewater Authority Response to Request for Information regarding the Encina Ocean Outfall as a Brine Discharge Alternative for the Carlsbad Desalination Plant	August 18, 2016
DD	Analysis of Potential for CDP Discharge to Cause Hypoxic Conditions	August 18, 2016
EE	Comparison of Fish Return Options	August 18, 2016
FF	Fish Return System Cleaning Methods	August 18, 2016
GG	Larval Fish Residence Time in Agua Hedionda Lagoon	August 18, 2016
HH	Entrapment Evaluation	August 18, 2016
II	Addendum to Intake Discharge Feasibility Report	August 18, 2016
JJ	Appendix A Errata	August 18, 2016
KK	Draft Final SEIR	August 18, 2016
LL	Draft Response to Comments	August 18, 2016
MM	Draft Findings of Fact	August 18, 2016
NN	Draft Mitigation Monitoring and Reporting Program	August 18, 2016

Appendix Letter	Appendix Title	Date Submitted
OO	Revised Life Cycle Cost Analysis	August 18, 2016
PP	Intake/Discharge Design Modifications	August 18, 2016
QQ	Response to Questions Regarding CDP Discharge Modeling Reports (Revised February 21, 2017)	February 21, 2017
RR	Feasibility Assessment of Alternative Brine Discharge to the Encina Ocean Outfall	October 31, 2016
SS	Feasibility Assessment of Wedge-wire Screen (WWS) Intake in Agua Hedionda Lagoon	October 31, 2016
TT	Fish Return System Discharge Location Alternatives Analysis	October 31, 2016
UU	Brine Mixing Zone Habitat Assessment (Revised January 18, 2017)	January 18, 2017
VV	Establishing the Location of the Zone of Initial Dilution for Stand-Alone Operation (Revised March 14, 2017)	March 14, 2017
WW	Brine Discharge Mortality Calculations	January 30, 2017
XX	Current and 2065 Area BMZ and Wetlands Restoration Project	January 30, 2017
YY	Marine Life Mortality Comparison between the Proposed Screening Location and the Lagoon Screen Locations	January 30, 2017
ZZ	Marine Life Mortality Report and Mitigation Calculation (Rev. 1)	April 11, 2017
AAA	Fish Return Antidegradation	April 11, 2017
BBB	Evaluation of Intake Alternatives 1, 15-20	April 11, 2017
CCC	Evaluation of Intake Alternatives 1, 11-14	April 11, 2017
DDD	Feasibility Assessment of Carlsbad Desalination Plant Intake and Discharge	November 20, 2017
EEE	Revised Feasibility Assessment for Intake Alternatives 1, 15, and 21	April 4, 2018
FFF	Revised APF Calculations	May 31, 2018
GGG	Revised Entrainment Analysis for Brine Discharge Options	December 18, 2018
HHH	Relative Salinity Impacts in BMZ at Variable Discharge Rates	December 18, 2018