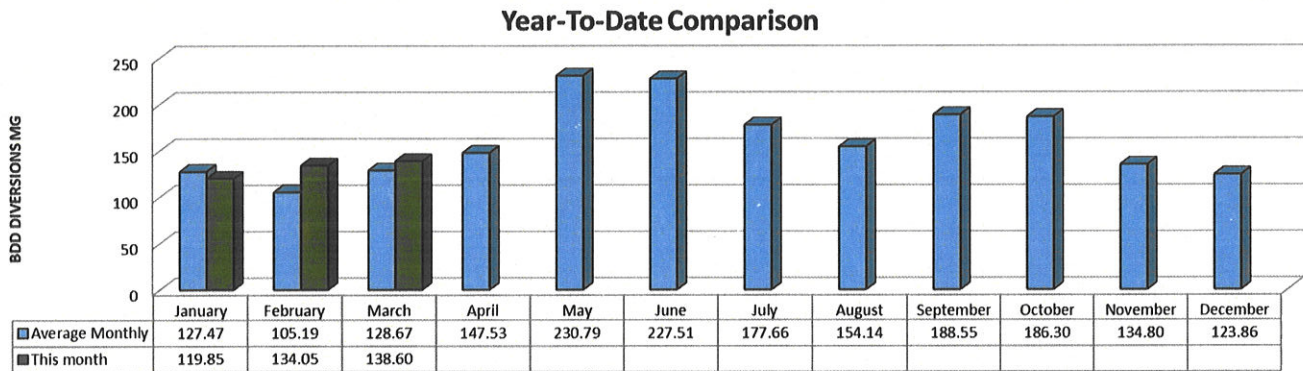




Date: April 1, 2021
To: Buckman Direct Diversion Board
From: Randy Sugrue, BDD Operations Superintendent
Subject: Update on BDD Operations for the Month of March 2021

ITEM:

1. This memorandum is to update the Buckman Direct Diversion Board (BDDDB) on BDD operations during the month of March 2021. The BDD diversions and deliveries have averaged, in Million Gallons Per Day (MGD) as follows:
 - a. Raw water diversions: 4.47 MGD.
 - b. Drinking water deliveries through Booster Station 4A/5A: 4.45 MGD.
 - c. Raw water delivery to Las Campanas at BS2A: 0.00 MGD.
 - d. Onsite treated and non-treated water storage: 0.02 MGD Average.
2. The BDD is providing approximately 71% percent of the water supply to the City and County for the month.
3. Regional Demand/Drought Summary and Storage-see page 2.
4. The BDD year-to-date diversions are depicted below:



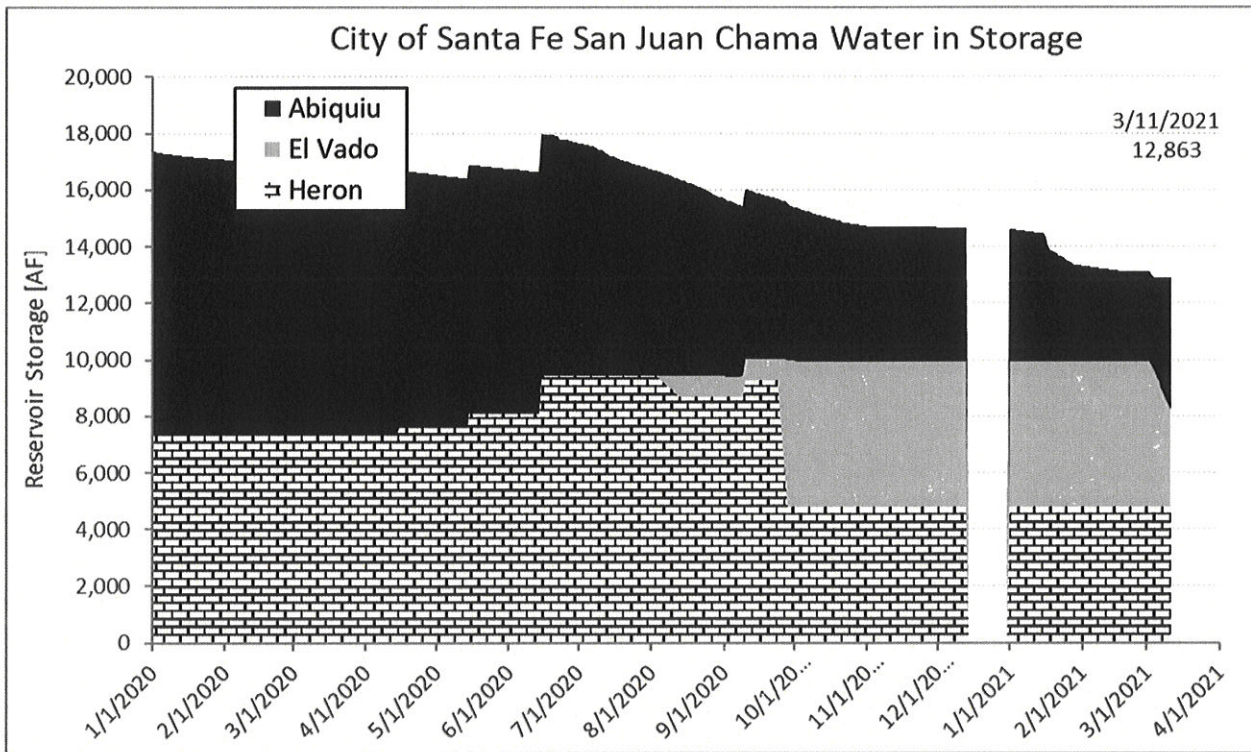


Regional Water Overview

Daily metered regional water demand for the month of March 2021 is approximately 6.3 MGD.

Rio Grande flows for February 2021 averaged approximately 650 CFS (cubic feet per second.)

City/County/LC Storage- as updated by partners.



ENSO Summary

March 15, 2021

La Niña is present.*Equatorial sea surface temperatures (SSTs) are below average from the west-central to eastern Pacific Ocean. The tropical atmospheric circulation is consistent with La Niña. There is a ~60% chance of a transition from La Niña to ENSO-Neutral during the Northern Hemisphere spring 2021 (April-June).



Buckman Direct Diversion Monthly SJC and Native Diversions							
Mar-21	In Acre-Feet						
Month	Total SJC + Native Rights	SP-4842 RG Native COUNTY	SD-03418 RG Native LAS CAMPANAS	SJC Call Total	SP-2847-E SJC Call CITY	SP-2847-N-A SJC Call LAS CAMPANAS	All Partners Conveyance Losses
JAN	371.899	35.469	0.000	336.429	336.429	0.000	3.456
FEB	414.249	197.198	0.000	217.051	217.051	0.000	2.229
MAR	425.410	425.410	0.000	0.000	0.000	0.000	0.000
APR	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MAY	0.000	0.000	0.000	0.000	0.000	0.000	0.000
JUN	0.000	0.000	0.000	0.000	0.000	0.000	0.000
JUL	0.000	0.000	0.000	0.000	0.000	0.000	0.000
AUG	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SEP	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OCT	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NOV	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DEC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	1,211.558	658.077	0.000	553.481	553.481	0.000	5.685

In Million Gallons							
Month	Native COUNTY	Native Las Campanas	SJC TOTAL	SJC CITY	SJC Las Campanas	All Partners Diversions	
JAN	11.554	0.000	108.306	108.306	0.000	119.860	
FEB	64.234	0.000	69.875	69.875	0.000	134.109	
MAR	138.570	0.000	0.000	0.000	0.000	138.570	
APR	0.000	0.000	0.000	0.000	0.000	0.000	
MAY	0.000	0.000	0.000	0.000	0.000	0.000	
JUN	0.000	0.000	0.000	0.000	0.000	0.000	
JUL	0.000	0.000	0.000	0.000	0.000	0.000	
AUG	0.000	0.000	0.000	0.000	0.000	0.000	
SEP	0.000	0.000	0.000	0.000	0.000	0.000	
OCT	0.000	0.000	0.000	0.000	0.000	0.000	
NOV	0.000	0.000	0.000	0.000	0.000	0.000	
DEC	0.000	0.000	0.000	0.000	0.000	0.000	
TOTAL	214.357	0.000	178.181	178.181	0.000	392.538	



Buckman Direct Diversion Monthly SJC and Native Diversions

Dec-20							
In Acre-Feet							
Month	Total SJC + Native Rights	SP-4842 RG Native COUNTY	SD-03418 RG Native LAS CAMPANAS	SJC Call Total	SP-2847-E SJC Call CITY	SP-2847-N-A SJC Call LAS CAMPANAS	All Partners Conveyance Losses
JAN	438.797	134.433	0.000	304.364	298.249	6.115	2.759
FEB	396.508	218.194	0.000	178.314	178.314	0.000	1.679
MAR	357.764	185.598	0.000	172.165	172.165	0.000	1.621
APR	372.408	187.945	0.000	184.463	122.188	62.275	1.737
MAY	641.374	529.897	0.000	111.477	111.477	0.000	0.889
JUN	637.220	509.818	0.000	127.402	1.618	125.784	1.017
JUL	784.520	0.000	0.000	784.520	784.520	0.000	3.663
AUG	886.856	12.503	0.000	874.354	839.919	34.435	4.214
SEP	762.357	0.000	0.000	762.357	682.674	79.683	3.556
OCT	593.109	0.000	0.000	593.109	539.638	53.472	5.845
NOV	390.743	353.481	0.000	37.261	37.261	0.000	0.345
DEC	392.394	355.317	0.000	37.077	37.077	0.000	0.377
TOTAL	6,654.050	2,487.186	0.000	4,166.864	3,805.100	361.764	27.701

In Million Gallons

Month	Native COUNTY	Native Las Campanas	SJC TOTAL	SJC CITY	SJC Las Campanas	All Partners Diversions
JAN	43.789	0.000	98.103	96.304	1.975	141.892
FEB	71.073	0.000	57.454	57.454	0.000	128.527
MAR	60.456	0.000	55.473	55.473	0.000	115.928
APR	61.220	0.000	59.435	39.440	20.101	120.655
MAY	172.605	0.000	35.812	35.812	0.000	208.417
JUN	166.065	0.000	40.927	0.520	40.407	206.992
JUL	0.000	0.000	252.754	252.754	0.000	252.754
AUG	4.073	0.000	281.681	271.072	11.113	285.754
SEP	0.000	0.000	245.686	219.960	25.726	245.686
OCT	0.000	0.000	191.019	174.109	17.252	191.019
NOV	115.140	0.000	12.008	12.008	0.000	127.148
DEC	115.738	0.000	11.937	11.937	0.000	127.676
TOTAL	810.158	0.000	1,342.289	1,226.843	116.574	2,152.447



Dec-19							
In Acre-Feet							
Month	Total SJC + Native Rights	SP-4842 RG Native COUNTY	SD-03418 RG Native LAS CAMPANAS	SJC Call Total	SP-2847-E SJC Call CITY	SP-2847-N-A SJC Call LAS CAMPANAS	All Partners Conveyance Losses
JAN	327.677	56.671	0.000	271.007	271.007	0.000	2.483
FEB	278.357	71.266	0.000	207.090	207.090	0.000	1.908
MAR	134.335	88.610	0.000	45.725	45.725	0.000	3.498
APR	126.924	114.750	0.000	12.175	12.175	0.000	0.110
MAY	550.285	550.285	0.000	0.000	0.000	0.000	0.000
JUN	546.222	546.222	0.000	0.000	0.000	0.000	0.000
JUL	649.014	23.285	0.000	625.729	519.383	106.345	2.907
AUG	422.340	17.075	0.000	405.265	318.606	86.659	1.912
SEP	518.606	169.956	0.000	348.650	261.901	86.749	1.564
OCT	531.254	15.373	0.000	515.881	477.452	38.429	4.676
NOV	325.023	42.180	0.000	282.843	280.865	1.978	2.936
DEC	334.880	48.808	0.000	286.071	286.071	0.000	2.893
TOTAL	4,744.916	1,744.482	0.000	3,000.434	2,680.275	320.160	24.886

In Million Gallons

Month	Native COUNTY	Native Las Campanas	SJC TOTAL	SJC CITY	SJC Las Campanas	All Partners Diversions
JAN	18.460	0.000	87.342	87.342	0.000	105.802
FEB	23.214	0.000	66.739	66.739	0.000	89.953
MAR	28.863	0.000	13.735	13.735	0.000	42.598
APR	37.378	0.000	3.924	3.924	0.000	41.302
MAY	179.246	0.000	0.000	0.000	0.000	179.246
JUN	177.923	0.000	0.000	0.000	0.000	177.923
JUL	7.585	0.000	201.598	167.635	34.262	209.183
AUG	5.562	0.000	130.586	102.846	27.974	136.148
SEP	55.360	0.000	112.401	84.384	28.017	167.762
OCT	5.008	0.000	166.279	154.168	12.409	171.287
NOV	13.739	0.000	91.045	90.407	0.638	104.785
DEC	15.899	0.000	92.109	92.109	0.000	108.008
TOTAL	568.235	0.000	965.760	863.292	103.299	1,533.995



Buckman Direct Diversion Monthly SJC and Native Diversions

Dec-18

In Acre-Feet

Month	Total SJC + Native Rights	SP-4842 RG Native COUNTY	SD-03418 RG Native LAS CAMPANAS	SJC Call Total	SP-2847-E SJC Call CITY	SP-2847-N-A SJC Call LAS CAMPANAS	All Partners Conveyance Losses
JAN	383.578	77.954	0.000	305.624	305.624	0.000	2.708
FEB	343.467	75.227	0.000	268.240	268.240	0.000	2.415
MAR	363.780	267.512	0.000	96.268	96.268	0.000	4.036
APR	662.407	569.253	0.000	93.154	93.154	0.000	3.898
MAY	941.240	209.538	0.000	731.702	615.366	116.336	8.171
JUN	912.903	30.894	0.000	882.009	740.070	141.939	8.707
JUL	905.897	0.000	0.000	905.897	816.188	89.709	4.255
AUG	678.383	1.466	0.000	676.917	676.917	0.000	6.087
SEP	694.411	0.000	0.000	694.411	694.411	0.000	6.404
OCT	608.789	0.000	0.000	608.789	599.228	9.560	5.805
NOV	404.616	82.390	0.000	322.226	316.641	5.585	3.196
DEC	369.186	2.966	0.000	366.220	366.220	0.000	3.392
TOTAL	7,268.656	1,317.200	0.000	5,951.456	5,588.327	363.129	59.073

In Acre-Feet

Month	Native COUNTY	Native Las Campanas	SJC TOTAL	SJC CITY	SJC Las Campanas	All Partners Diversions
JAN	77.954	0.000	302.916	302.916	0.000	380.870
FEB	75.227	0.000	265.825	265.825	0.000	341.052
MAR	267.512	0.000	92.231	92.231	0.000	359.744
APR	569.253	0.000	89.256	89.256	0.000	658.509
MAY	209.538	0.000	723.531	608.494	115.037	933.069
JUN	30.894	0.000	873.302	732.764	140.538	904.196
JUL	0.000	0.000	900.737	811.539	89.198	900.737
AUG	1.466	0.000	670.830	670.830	0.000	672.295
SEP	0.000	0.000	688.007	688.007	0.000	688.007
OCT	0.000	0.000	602.984	593.515	9.469	602.984
NOV	82.390	0.000	319.030	313.500	5.530	401.420
DEC	2.966	0.000	362.829	362.829	0.000	365.794
TOTAL	1,317.200	0.000	5,891.477	5,531.706	359.772	7,208.677

Memorandum



Buckman Direct Diversion

Date: March 24, 2021

To: Buckman Direct Diversion Board

From: Kyle Harwood, BDD Legal Counsel
Jesse Roach, PhD, Director, City of Santa Fe Water

Subject: Informational Item: UPDATE on Proposed San Juan Chama Return Flow Pipeline Permit

BACKGROUND AND SUMMARY:

The NEPA permits for the BDD Project requested and received coverage for up to 8,730 acre-feet per year of combined diversion of San Juan Chama Project water and 'native' pre-1907 Rio Grande water. Those NEPA permits are held and managed by the BDD Board to support the diversion of water rights under OSE permits that are held and managed directly by the Project Partners.

The Proposed SJC Return Flow Pipeline contemplates increased San Juan Chama Project water diversions only with no changes to the BDD Project intake, BDD Project rights of way and easements, or Water Treatment Plant. In order to make the BDD Project's NEPA permit changes consistent with the Proposed SJC Return Flow Pipeline the City will make application to the relevant federal agencies and a scoping process with stakeholder input will be conducted.

On February 4, 2021 the Board approved supporting the changes necessary to the BDD Project NEPA permits consistent with the Proposed SJC Return Flow Pipeline, and requested updates on the details associated with those permit changes.

The City will seek an increase of diversion capacity only to 16,814 acre-feet per year of San Juan Chama Project water only. This number was derived from maximizing the 15 million gallons a day capacity for 365.25 days.

RECOMMENDATION:

No action is requested at this time.

The public outreach and scoping schedule will be provided as soon as it is available.



Memorandum



Buckman Direct Diversion

Date: March 24, 2021

To: Buckman Direct Diversion Board

From: Rick Carpenter, BDD Project Manager
Kyle Harwood, BDD Legal Counsel

Subject: Resolution concerning Los Alamos National Laboratory (LANL) Site Wide Environmental Impact Statement (SWEIS)

BACKGROUND AND SUMMARY:

The history and background of this issue are described fully in the Whereas paragraphs of the proposed Resolution, attached below.

The County and City of Santa Fe have passed similar Resolutions on this topic, and the preparation of a SWEIS for LANL is consistent with and of great importance to the BDD Board priority of protecting the water quality of the Rio Grande.

RECOMMENDATION:

Board staff, counsel and consultants recommend the BDD Board approve the Resolution attached below.



THE BUCKMAN DIRECT DIVERSION BOARD

RESOLUTION NO. 2021 - _____

A RESOLUTION

**REQUESTING THAT THE NATIONAL NUCLEAR SECURITY ADMINISTRATION
PREPARE AND COMPLETE A NEW SITE-WIDE ENVIRONMENTAL IMPACT
STATEMENT FOR LOS ALAMOS NATIONAL LABORATORY BEFORE EXPANDING
PLUTONIUM PIT PRODUCTION AT THE FACILITY**

WHEREAS, the Buckman Direct Diversion Board (“Board”) is governed jointly by the City of Santa Fe (“City”) and Santa Fe County (“County”) and has one private community, Las Campanas, as a limited partner, and was created via Joint Powers Agreement (“JPA”) in 2005 to oversee implementation, build, and operations of the BDD Project; and

WHEREAS, the Board is responsible for, among other things, diverting, treating, transmitting and delivering surface water by means of the BDD Project to the City and County and Independent Water Systems in accordance with respective diversion allocations and delivery demands; and

WHEREAS, the Board has been and continues to be actively involved with Rio Grande water quality issues, including but not limited to the transport of legacy contamination to the Rio Grande from the Los Alamos National Laboratory campus; and

WHEREAS, both the Santa Fe County Board of County Commissioners and the Governing Body of the City of Santa Fe have a longstanding tradition of promoting democracy and environmental protection in pending nuclear weapon decisions by resolutions requesting that “all applicable environmental laws be obeyed by the Department of Energy (“DOE”); and

WHEREAS, the County and the City have previously joined together to support LANL expansion Environmental Impact Statements (“EIS”s), calling for a “new complete EIS” in 2010 to “reassure the citizens of Santa Fe that the safety and environmental issues entailed in this growing project are being planned for in a careful and comprehensive way” (County Resolution No. 2010-221; City Resolution No. 2010-91); and

WHEREAS, the governing bodies of the County and the City passed resolutions this year requesting that the National Nuclear Security Administration Prepare and Complete a New Site-Wide Environmental Impact Statement for Los Alamos National Laboratory Before Expanding Plutonium Pit Production at the Facility (County Resolution No. 2021-11 and City Resolution No. 2021-XX); and

WHEREAS, independent experts have found that plutonium pits have an estimated lifetime of at least 60 years, and many reports support that they last a century, thus making expanded production to maintain the safety and reliability of the existing nuclear weapons arsenal unnecessary, and providing more than sufficient time (over 20 years) to do a Site-Wide Environmental Impact Statement (“SWEIS”); and

WHEREAS, plutonium pit production will continue to generate radioactive, hazardous and toxic wastes that generally will be transported and disposed of off-site; and

WHEREAS, radioactive, hazardous and toxic wastes generated by nuclear weapons activities over seven decades have been buried in unlined pits, trenches, and shafts in the volcanic tuff of the Pajarito Plateau, which pits are leaking, resulting in the waste migrating to the regional drinking water aquifer and the Rio Grande; and

WHEREAS, the Defense Nuclear Facilities Safety Board (“DNFSB”) has recently reported the possibility of exposure of potentially lethal radioactive doses as high as 760 rem to workers at LANL’s plutonium pit production facility (“PF-4”), with a possible public exposure of 24 rem, because LANL “do[es] not appropriately analyze energetic chemical reaction hazards involving transuranic waste” such as the improperly prepared radioactive waste drums from LANL that in 2014 ruptured, which contaminated and closed the Waste Isolation Pilot Plant for nearly three years; and

WHEREAS, DNFSB’s calculations of potential exposure to workers (760 rem) and the public (53 rem) are orders of magnitude greater than those disclosed by the National Nuclear Security Administration (“NNSA”) in any of its past analyses related to expanded plutonium pit production; and

WHEREAS, plutonium pits are used as the “triggers” for the nation’s nuclear weapons; and

WHEREAS, plutonium is a substance with significant health, safety, and environmental risks; and

WHEREAS, the independent Government Accountability Office (“GAO”) has recently reported that “In the last 2 decades, LANL has twice had to suspend laboratory-wide operations after the discovery of significant safety issues” and “A 2018 LANL study found that LANL is ‘marginally capable’ of meeting NNSA’s plan to ramp up pit production to 30 pits per year by 2026,”; and

WHEREAS, federal agencies are required by the National Environmental Policy Act (“NEPA”) to allow the public the opportunity to review, analyze, and provide informed comments about major federal proposals such as expanded plutonium pit production that “significantly affect[ing] the quality of the human environment; and

WHEREAS, the NNSA has refused to begin a new SWEIS for LANL, instead relying on an outdated 2008 SWEIS Supplement; and

WHEREAS, NEPA requires new analysis when “[t]he agency makes substantial changes in the proposed action that are relevant to environmental concerns; or [t]here are significant new circumstances or information relevant to environmental concerns and bearing on the proposed action or its impacts,” such as, in this case, another major wildfire; up to \$13 billion in proposed new construction at LANL; increasing seismic risks on the Pajarito Plateau, including seismic faults near PF-4; the discovery of serious groundwater contamination; planned massive releases of radioactive tritium into the air; etc.; and

WHEREAS, past SWEISs have benefitted both the public and the DOE, one dramatic example being that public comment about a 1999 draft SWEIS prompted LANL to undertake fire prevention measures that arguably prevented the 2000 Cerro Grande Fire from reaching some 40,000 barrels of plutonium-contaminated wastes stored aboveground at Area G, a potential catastrophe that LANL itself acknowledged was averted by public comment required by NEPA; and

WHEREAS, a SWEIS process that considers all reasonable alternatives to NNSA’s proposed actions and incorporates mitigation plans is the only available means by which the public, tribes, and

local and state governments can review and understand the nature and consequences of NNSA's proposed actions and provide their comments; and

NOW, THEREFORE, BE IT RESOLVED that the Buckman Direct Diversion Board, hereby requests that, in accordance with the requirements of the National Environmental Policy Act, the National Nuclear Security Administration immediately begin and complete a new Site-Wide Environmental Impact Statement for Continued Operations at the Los Alamos National Laboratory.

BE IT FURTHER RESOLVED that the Buckman Direct Diversion Board request that the National Nuclear Security Administration suspend any planned expanded plutonium pit production until all outstanding nuclear safety issues are resolved, as certified by the independent Defense Nuclear Facilities Safety Board.

BE IT FURTHER RESOLVED that the Buckman Direct Diversion Board directs the Buckman Direct Diversion Facilities Manager to send copies of this resolution to the New Mexico Congressional delegation, the Governor of New Mexico, the President Pro Tempore of the New Mexico Senate, the Speaker of the New Mexico House of Representatives, the All Pueblo Council of Governors, the Secretary of the Department of Energy, the Secretary of the New Mexico Environment Department, and the Administrator of the National Nuclear Security Administration, the Manager of the NNSA Los Alamos Field Office, and the Director of the Los Alamos National Laboratory.

PASSED, APPROVED, AND ADOPTED ON THIS 1st DAY OF APRIL, 2021.

BUCKMAN DIRECT DIVERSION BOARD:

Commissioner Anna Hansen, BDD Board Chair

APPROVED AS TO FORM:

Nancy R. Long, Board Counsel

ATTEST:

Kristine Bustos-Mihelcic, City Clerk