

Rod L Penfield Site Vice President

> November 13, 2020 L-20-296

Beaver Valley Power Station P.O. Box 4 Shippingport, PA 15077

> 724-682-5234 Fax: 724-643-8069

10 CFR 50.73

ATTN: Document Control Desk U. S. Nuclear Regulatory Commission Washington, DC 20555-0001

SUBJECT:

Beaver Valley Power Station, Unit No. 1 Docket No. 50-334, License No. DPR-66 LER 2020-001-00

Enclosed is Licensee Event Report (LER) 2020-001-00, "Intake Structure Interconnecting Flood Door Found Open Resulting in a Loss of Train Separation for the River Water System". This event is being reported in accordance with 10 CFR 50.73(a)(2)(i)(B), 10 CFR 50.73(a)(2)(v)(A), 10 CFR 50.73(a)(2)(v)(B), and 10 CFR 50.73(a)(2)(vii) parts (A) and (B).

There are no regulatory commitments contained in this submittal. Any actions described in this document represent intended or planned actions and are described for information only.

If there are any questions or if additional information is required, please contact Mr. Steve Sawtschenko, Manager, Regulatory Compliance and Emergency Response, at 724-682-4284.

Sincerely

Rod L. Penfield MATT FA

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Enclosure: Beaver Valley Power Station, Unit 1 LER 2020-001-00

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cc: Mr. D. C. Lew, NRC Region I Administrator NRC Senior Resident Inspector Ms. J. Tobin, NRC Project Manager

Ms. J. Tobin, NRC Project Manager INPO Records Center (via INPO Industry Reporting and Information System) Mr. L. Winker (BRP/DEP)

Enclosure L-20-296

Beaver Valley Power Station, Unit 1 LER 2020-001-00

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IARRATIVE				. •	/I	<u> </u>		! 	·
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maintain the in and 96 for Unit interconnecting to protect the in The applicable OPERABLE in terminology us	1 terconnecting f 2) dated Dece 1 flood doors be 1 terconnecting Technical Spe MODES 1-4. § ed for Unit 2.	tood doors norr imber 16, 1998 etween the cub cubicles from t cification (TS) i SWS is common	nally closed. A Sa was issued and icles containing re he consequences s 3.7.8 Service W nly referred to as	the licensing basis edundant RPRW/S of a major pipe R /ater System (SWS) the Reactor Plant	icense A was rev Ervice V EJ failur S), LCO River W	vised to Vater pu ə. 3.7.8 Tv ater Sys	ent Nos. 2 maintain th mps in the vo SWS tra tem for Un	ie closed p ains shal it 1. SW	nit 1 position I be S is the
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	CONTINUATION SHEET		Nuclear Regulatory Infocoliects.Resource@mr Affairs, (3150-0104), Attn	Commission, Washin c.gov, and the OMB rev Desk Officer for the N	nton, DC 20555-0 newer at OMB Office uclear Regulatory Cor	of Information and Information
(See NUREG-1022, F	1.3 for instruction and guidance for completer the state of the st	ting this form - <u>1022/r3/)</u>	washington, DC 20503 sponsor, and a person is requesting or requiring the	e-mail. <u>orra submiss</u> not required to respon collection displays a cu	ionificamb.eop.gov. I to, a collection of Inf irrently valid OMB con	ne NRC may n ormation unless trol number.
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Beaver Valley Pow	ver Station, Unit 1)0-	00334	202		
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The amount of tim door seals were la closed. It is unkno considered to hav	ie that the interconnecting flood do ast tested on February 11, 2020. U wn when after this test that the int e been Inoperable for 218 days.	oor was left o Ipon test com terconnecting	pen prior to dis pletion the doo flood door was	covery could r r was verified reopened. A	not be determ and docume s such, both t	nined. The rited to be trains are
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CAUSE OF EVEN	π		· · · ·			•
The apparent cau flooding boundary and knowledge ty	se is an organizational latent acce door. The condition report investi pe controls.	ptance of we gation identifi	ak configuration ed inadequate	n controls app controls inclue	lied to a risk ding physical	significan , administ
abnormal conditic door function and readings not high	n of the Interconnecting Flood Do required position, infrequent inter- ighting door importance.	or. Limited se action with int	erconnecting fl	mpounded by ood doors, an	inconsistent d related ope	knowledg rator rour
that would occur of delayed identifica	lunng the postulated REJ rupture tion of the loss of safety function.	when the inte	rconnecting flo	od door is ope	ss the loss of an, which cor	tributed to
ANALYSIS OF E	/ENT	· ·		:	•••••••	
This event resulte of safety function, being inoperable separation, this ev 10 CFR 50.73(a)(d in ¹ operation prohibited by TS, re reportable under 10 CFR 50.73(a Finally, due to the postulated REJ /ent resulted in common cause inc 2)(vii) parts (A) and (B).	portable und)(2)(v)(A) and failure requir perability of l	er 10 CFR 50.7 I 10 CFR 50.73 ing the intercor poth independe	3(a)(2)(ı)(B). (a)(2)(v)(B), d necting flood nt trains, repo	Additionally, f ue to both tra door to be cl rtable under	his was a ains of RP osed for t
As the discovery of prevented the fulf 10 CFR 50.72(b)(of the loss of safety function occur llment of the safety function had a 3)(v) was not required.	red dunng the Iready been o	e past operabili corrected. Ther	y review, the efore, an ever	condition tha it notification	t could ha per
Considering the ir B, both those inclu Conditional Core risk of having inte beginning on Feb to be of very low s	itiating event frequencies of all int ided in the final PRA models and Damage Probability (CCDP) for sir rconnecting flood door BV-1SI05- ruary 11, 2020 and ending on Sep afety significance for both BVPS-	ernal flooding those which o multaneously 11 [A TO B IN tember 16, 20 1 and BVPS-:	scenarios defi quantitatively so failing all credi ITAKE CUBICL 20 for a bound 2.	ned for the af reened out, a ted equipmen E CROSS-TII ling time perio	fected pump nd using the t in both pum E FLOOD DC id of 218 day	cubicles A bounding p cubicles)OR] oper s is deterr
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RC FORM 366A (08-2020)					Dago	· ·

	U.S. NUCLEAR REGU	LATORY COMMISSION	APPROVED BY OMB:	NO. 3150-0104	EXPIRES	08/31/2
(See NUREG-1022	LICENSEE EVENT RE CONTINUATION 2, R.3 for instruction and guidance	FORT (LER) SHEET	Estimated burden per response to Jessons learned are incorporated I regarding burden estimate to the f Nuclear Regulatory Commissi Infocollects.Resource@mc.gov, ar Affairs, (3150-0104), Attin Desk C Washington, DC 20503, e-mat:	comply with this mandato into the licensing process FOIA, Library, and Information, DC and the OMB reviewer at (Officer for the Nuclear Reg our a submission@comp.e	ry collection request is and fed back to indust toon Collections Branc 20555-0001, or 20556-0001, or 20566 of Informa Jatory Commission, 7 ap.aov. The NRC n	80 hours Ra try. Send cor h (T-6 A10M by e-m thon and Rec 725 17% Stre may not con
http://www.nrc.c	ov/reading-rm/doc-collections/num	egs/staff/sr1022/r3/)	sponsor, and a person is not requirequesting or requiring the collection	fred to respond to, a colla on displays a currently value	ction of information un OMB control number	niese the do
FACILITY NAME		2. DOCI			LER NUMBER	· ·
Beaver Valley Po	ower Station, Unit 1	05000-	- 00334	2020	SEQUENTIAL NUMBER 001	
IARRATIVE		<u></u>				
ANALYSIS OF I	EVENT (continued)					<u> </u>
Although the ope BVPS-2 spare S located in the C B). The PRA imp pump could have	en interconnecting flood doo ervice Water Pump is locat and D cubicles which do no bact was considered in the l been in service over the ic	or impact is to BVPS ed in the B Intake St of interconnect to tho PRA model as noted dentified period.	-1, the effects on BVF ructure pump cubicle. se where the River W , taking into account t	PS-2 were cons The other two ater REJ break he probability ti	idered since SWS pumps is postulated nat the spare	the are d (A and SWS
CORRECTIVE A	CTIONS					· . ·
Completed Actio	ns ·		· · · ·		-	
The interconnect	ling flood door was closed t	o its correct position	on September 16, 20	20.		•
Ioors are SHUT	forms for Initial Training Co	ourses on Unit 1 RPF	clude readings to veri RW and Unit 2 SWS v	y the two interc vere updated or	onnecting flo	ood 17,
Temporary stance nterim measure	hions and signage were pla until the locking mechanism	aced in front of the in n is installed.	terconnecting flood do	oors on Novem	ber 6, 2020 a	as an
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