

DAM SAFETY OFFICE

PRIVATE BAG X313 PRETORIA 0001

APPLICATION FOR CLASSIFICATION OF A PROPOSED NEW DAM OR ENLARGEMENT OR ALTERATION OF AN EXISTING DAM

Only applicable if the maximum wall height of the dam exceeds 5 metres and the gross storage capacity is more than 50 000 cubic metres

1. PARTICULARS OF THE DAM OWNER								
ļļ	······			,				
1.1. Name of dam owner				ļ				
				<u> </u>				
1.2. Owner's postal address				ļ				
	Postal code			<u> </u>				
1.3. Tel/cel. no. of dam owner								
1.4. E-mail address of person in control of the dam								
1.5 Name and postal address of person in control of the dam (if appli	capie)			ļ				
	Postal code							
1.6. Tel/cel. no. of person in control of the dam		T		1				
1.7. E-mail address of person in control of the dam				ļ				
1.7. L-mail address of person in control of the dam								
	THATED AND LOCALITY							
2. PROPERTY ON WHICH THE DAM IS OR WILL BE S	TUATED AND LOCALITY							
2. PROPERTY ON WHICH THE DAM IS OR WILL BE S	TUATED AND LOCALITY							
	TUATED AND LOCALITY							
2. PROPERTY ON WHICH THE DAM IS OR WILL BE S	TUATED AND LOCALITY							
2. PROPERTY ON WHICH THE DAM IS OR WILL BE S	TUATED AND LOCALITY							
2. PROPERTY ON WHICH THE DAM IS OR WILL BE S 2.1. Property description as per title deed	TUATED AND LOCALITY							
2. PROPERTY ON WHICH THE DAM IS OR WILL BE S 2.1. Property description as per title deed 2.2. Magisterial district	TUATED AND LOCALITY							
2. PROPERTY ON WHICH THE DAM IS OR WILL BE S 2.1. Property description as per title deed 2.2. Magisterial district 2.3. Nearest city/town	TUATED AND LOCALITY							
2. PROPERTY ON WHICH THE DAM IS OR WILL BE S 2.1. Property description as per title deed 2.2. Magisterial district	TUATED AND LOCALITY			km				
2. PROPERTY ON WHICH THE DAM IS OR WILL BE S 2.1. Property description as per title deed 2.2. Magisterial district 2.3. Nearest city/town	TUATED AND LOCALITY			km				
2. PROPERTY ON WHICH THE DAM IS OR WILL BE S 2.1. Property description as per title deed 2.2. Magisterial district 2.3. Nearest city/town 2.4. Distance to nearest city or town	TUATED AND LOCALITY			km				
2.1. Property description as per title deed 2.2. Magisterial district 2.3. Nearest city/town 2.4. Distance to nearest city or town 2.5. Direction from nearest city or town	*	nust be attac	hed	km				
2.1. Property description as per title deed 2.2. Magisterial district 2.3. Nearest city/town 2.4. Distance to nearest city or town 2.5. Direction from nearest city or town 2.6. Number of 1:50 000 scale topographical map	*position of the dam and downstream area n	nust be attac	hed	km				
2. PROPERTY ON WHICH THE DAM IS OR WILL BE S 2.1. Property description as per title deed 2.2. Magisterial district 2.3. Nearest city/town 2.4. Distance to nearest city or town 2.5. Direction from nearest city or town 2.6. Number of 1:50 000 scale topographical map * A copy of the relevant portion of this map which clearly indicates the 2.7. Position of the centre of the dam wall to an accuracy of one second	*position of the dam and downstream area n	nust be attac	hed	km				

3. GENERAL INFORMATION															
1			,		,	,	·	,	1	,	,	,	;	-;	
3.1. Name of dam		ļ		<u> </u>	<u></u>		<u> </u>	<u> </u>		ļ		<u> </u>	<u> </u>		
3.2. Name of watercourse or source	ļ	.ll		l	<u> </u>	l	ļ]	ļ]	l	l	<u> </u>	.l	
3.3. For clean water dams, give the purpose	of the dam	n (mar	k all a	applic	able p	urpos	ses wi	th X)							
domestic supply]			irrig	ation						ind	ustria	ıl use)	
stock watering]			fish	eries					other	(spec	cify be	elow)		
Describe "other"				I]	}]				1	
3.4. For wastewater dams, give the purpose	of the dam	ı (mar	k all a	applica	able p	urpos	ses wit	h X)							
pollution control]	waste	ewate	er disp	osal					in	dustri	ial re	sidue	•	
oxidation / evaporation]		mir	ne res	sidue					other	(spec	cify be	elow))	
Describe "other"	T			Ī	[<u> </u>	T	[[[Γ	Ţ	T	
3.5. For an existing dam describe the nature	and extent	of the	prop	osed	alter	ation	s or e	nlarg	emer	nts					
							ļ							1	
		.1		<u> </u>	<u> </u>	<u> </u>	<u> </u>	L	L	L	L	L	<u> </u>	<u> </u>	J
3.6. Proposed starting date of construction										Υ	Υ	Υ	Y	М	м
3.7. Name and postal address of designer or	consultant	(if ava	ailable	e)				,					Ţ]
							ļ						ļ		
		-					ļ	F	Posta	l code	<u> </u>				-
3.8. Tel. no. of designer or consultant				 T	 Y	 T	 γ	, . }	1			! !			
3.9. E-mail adress of designer or consultant	1	1					 								
-		*******													
4. PARTICULARS OF DAM AND BAS	SIN														
(For enlargement or alteration	of an exist	ting da	am, p	oartic	ulars	mu	st be	for th	е со	mple	ted s	truct	ure)		
4.1. Type of dam (mark applicable type with X -	- mark more	than o	ne for	r comi	osite	dams	3)								
earthfill	7				ckfill		, 	}				aı	ravity	,	Γ
buttress					arch			, }				_	-arch		
earth "service" reservoir	!				aron		 inform	ed co		. "aa					i
						ie	IIIIOIC								
mine residue deposit * * This also means	 anv structi	ure aei	nerali	lv teri	ned a	"tail	inas d			rial re am"	esiaue	е аер	OSIT 1		i
other (specify)	7	T		<u> </u>	Ī	T		<u> </u>	[[[<u> </u>	T	T	Ţ
4.2. Maximum wall height							J				**	[1	L	m
** Note! Wall height is the vertical difference be of the dam wall and the non-overspill										e out	side				
4.3. Crest length of wall														1	m
4.4. Gross storage capacity							I						I	I	m³
4.5. Area of water surface at full supply level														,	ha
4.6. Maximum full supply water depth (must l	be provided	d)											[1	m

5. PARTICULARS OF DEVELOPMENT DOWNSTREAM OF THE DAM

Describe with the aid of a 1:50 000 scale map the nature and situation of development downstream of a dam that would be threatened by a failure of the dam. Development means any houses, dwellings, other buildings, roads, bridges, cultivated lands, orchards, powerline foundations etc.

The area downstream of the dam wherein all development must be described is defined as follows;

- For every one metre of maximum wall height, at least one kilometre of the valley downstream of the dam wall should be analysed
- For the calculation of the width of the strip the following heights above river bed may be assumed;
- 2/3 of maximum wall height for the first kilometre downstream and 1/2 of the maximum wall height for the rest of the downstream distance

Distance		Height	Distance	Number of
downstream	Purpose or use of structure	above river	from river	inhabitants
(km)		bed (m)	(m)	or users
) 		
L		L	}	

5.2.	Road	and	railway	crossings	downstream	of the	dam

Distance	(1)	If a road,	Height of	Bri	dge, culvert o	or pipe openin	(2)	(3)	Number	
downstream	Type of road	is it	road / railway	Width	Height	Diameter	How	Type	Visibility	of
(km)	or railway	tarred?	above river	(mm)	(mm)	(mm)	many?	of	distance	vehicles
	-	(Y/N)	bed (m)					crossing	(m)	per day
			,						i ii	
			,						ji	
			,						i ii	
			,						ji jii	
			,						i ii	
									ji Sij	

							,											,i (ii			
							1			Ť		1						(i			
							2	-		†		†						<u>"</u>			
		L					ļ	.l		.i		.i				{		ë			
(1) 7	Type of road or	railway - Us	e one of	the followin	ng abbr	eviatior	ıs														
٨	NRD = national	road			MRD	= mair	road				SRD	= seco	ndary i	road					DRD =	distric	t roa
F	RD = farm road	d			STR	= single	e track	railwa	y					MTR	= multi-	track ı	ailway				
Е	Explain other ab	breviations				1		=					1		[{	[
(2) 7	Type of crossing	g - Use one	of the fol	lowing abb	reviatio	ns		. ,											/		
C	C = culverts or p	ipes encase	ed in con	crete										E	= culv	erts or	pipes l	buried	in eartl	nfill or	rockfi
E	3 = concrete bri	dge with pie	rs										D =	drift w	ith san	ne heig	ht as ri	ver be	d		
F	Explain other ab	hreviations			[] _	[Τ	Τ	Υ	Τ	7	7	}	1	}	Γ				·
	Visibility distanc		ne distan	ce to a hrid	lae or c	.√ rossino	from 1	where	a moto	rist ca	n see it	f there	is anv	dandei	in usir	a the		L	لسسا		i
1	bridge or crossi	ng. Both ap _l	proach d	istances ar	e requii	red. Th	e orde	r in w	hich i	and II	are wr	itten d	oes no	t matt	er.						
	If the distance e	equals or ex	ceeds 1	kilometre. e	enter 99	9															
		•																			
5.3	. Other dev	elonmen	t down	stream	of the	dam	not	COV	ered l	hv 5	1 or 5	. 2									
	. Other acv		.,			-,	, 110t		· · · · · ·		,	,	3	·		,	,	,	·		
						ļ	ļ	ļ	ļ	ļ	ļ	ļ	ļ	{					ļ		
						ļ			↓	<u> </u>	ļ	 	ļ			ļ	ļ	ļ			
			4				ļ		ļ			ļ					ļ		ļ		ļ
							ļ	ļ	ļ		ļ	ļ	ļ	}		}	ļ	ļ	ļ)		
						ļ	ļ		ļ	ļ	ļ	ļ	ļ	}		}	ļ		ļ		
						ļ	ļ	ļ	ļ	ļ	ļ	ļ	ļ	ļ			ļ				
			-				ļ	ļ	ļ	ļ	ļ	ļ	ļ	{					ļ		
		l				1	.l	l	.i	l	<u> </u>	J	J	}	l	}	l		i		
6 1	DECLARA	TION BY	V ADE	DI ICAN	т																

C DECLADATION BY ADDITIONT		
6. DECLARATION BY APPLICANT		

I declare that the information given by me for the classification of the above dam is true and correct.

Signature:	Date:	