DAM SAFETY INSPECTION REPORT

NAME	CAPE HEAR	PLT. 1956 ASH PO	NO	CHAT	મ⁄	075	JLH	AR		2-21-14
OWNE	DUKE PR		^	DDRESS	FI	LÉ				PHONE
TYPE	DAM Concrete of	ranky Concrete arch	~= i	YPE INSP	ECTION Follows	Ø Perod □ Other	le:	SITE CO	NOITIONS Show	E STABLE
14	44 - 4444 ANDERSON	uttrees Stone mesonery						HAZARD	CLASS	. Intermediate (B)
	240	TO PECENT WE	15-1-0	A 13.70 11"	7	TION .	IMEG	OMMEND!		Million (C)
INC	WKT PUR CLUPING RATH PEARS STABLE KNIOUS INSPEC	INA CHA	CIIVEL! HNGES!	SINGE N	None Maintenanc Monitoring Minor repai Engineerin		nepection is Deficiency is RE notice Engineering nepection b	study	Inspection by DSE Dom safety order Enforcement Periodic reinspection Cother reinspection AS NIXAORO	
AREA	• (000000 00000000000000000000000000000	DELIME	30,000,000,000	(CALA)	***************************************	***************************************	COMME	800000000000000000000000000000000000000		<u> Karabanina ka</u>
	1.None	11.Displaced rip rep	COVER:	Vegeta	aton 🗆 Pi	presp 🔲 C	Zonarete	[] Asphalt	Other	DÉCOMM.
FACE	2Trees	12.Cracks								
	☐ 3.High bushes ☐ 4.Burrows	13.00mmmmy]							
Section	5.Wave erosion	15.Spelling	į							
•	6.Livestock demage	16.Displaced joints	İ							
3	7.Sildes	17.Deterioreted joints]							
PETREAN	a.Depressions	18.Exposed reinforcement								
.5	☐ \$.Buiges ☐ 10.Sparse rip rep	□19.Other								
		□11.Cracks	COVER	Vegeta	ton 🛘 Gr		oncrete	☐ Asphalt	Other	
	☑ 1.None ☐ 2.Trees	12.Spelling						<u></u>		
	3.High bushes	13.Deteriorated joints	ŀ							
MYG	4.Burrows	14.Displaced joints								
ð	☐ 5.Pus	15.Exposed reinforcement								
80	6.Livestock demage	16.Other								
=	7.Depressions		ł							
	9.Missignment	•								
	10.Has overtopped									
4	1.None	□11.Seepage		Vegeta				□ Other		
70	12.2 Trees	12.Bolls	-	- NO.	CARD	er ii Aa	cate	ANGE.	8 Noi	TED
3	3.High bushes	13.Cracks	1	- ~ 0	7 JU 04 10	· · · · · · · · · · · · · · · · · · ·		4.7	14 de 1	A1 /_
340T6	A.Burrows	14.Holes	4,5,7	1,849	1 - 51	1213	Not	ACIV		
	☐ 6.Livestock damage	16.Displaced joints	OB	SEVENE	o FE	ATUME.	s Ar	r Lor	40-57A	NDING AND
DOWNSTREAM	7.Sidee	☐ 17.Deteriorated joints	<u></u>	N/A	A-083 4	we To	BK	HEOB	LKAMA	TICO CONTINUA
	区 8.Depressions	18.Exposed reinforcement	100	NITOR	JG FO	RAN"	1 CH	MICK	_,/\\	DESPECIALLY
8	9.Bulges	19.Other	An,	4 ACT	VE M	() (Con	J A3	30C x 6	y Da	NED TREES
•	10. Wetness			DOLP					<u> </u>	
	1.None	☐11.Seepege	COVER	Veget	ation 🔲 R	plumb 🖂 C	concrete	Other		
	2Trees	12.Bolis								
5	3.High bushes	13.Cracks	<i>C</i> .	- Na	API	PAREN	1- C	HANG	SÉS 1	N OLD
CONTACT	4.Burrows	14.Holes 15.Spelling								S SLOPE
8	6.Livestock damage	16.Dispisced joints		E/C	MMKN	172	ARI	16		I SWIK
ĕ	7.Sides	17.Deteriorated joints		انص	-WKA	117	1 1100	VE		
•	8.Depressions	☐18.Exposed reinforcement								
	9.Bulges	19.Undermining								
	10.Wetness	20.Other								

	CORRESTER
REA PROSEEMS	COVER: QVegetation Rip rep Concrete Other
1.None	
1.None	TOPERUE CONCRETE PISER OUTLET CONDUIT 20- STRUCTURES ARE DRY, BUT OUTLET WAS NOT VISIBLE DUE TO VEGETATIVE /LEAF LITTER COVER,
10.Joint deterioration 20.Other 11.Joint displacement 11.Joint displacement 12.Undermining	TYPE/BIZE: SKIZ ABOVE
1. None 2. No bottom drain 3. Bottom drain inoperable 4. Subsurface drain dry 5. Subsurface drain muddy flow 6. Subsurface drain obstructed 7. No animal guard 8. Other	TYPE:
- SITE IS INI - NOTED 25	NOTEWARTHY CHANGES FROM PREVIOUS IS OF ANY STRUCTURAL DISTRESS. ACTIVE MALL STORM DRAIN PIPES JUST BELOW OF THE SOUTH END NEAR OLD PLANT. CONDITION—DISCUSSED POSSIBLE TREATMENT OF THE SOUTH PROPOSED.
w/ DECOMM, ME	DITIONS & POTENTIAL PERMIT NEEDS PIDES IN DECEMBER PROCESS.

PREATOING OLD PIPES IN DECOMM, PROCESS. -MET W/ JOHN TOKAHER & LARRY BAXLEY PRIMAPILY.

(DAM SAFETY INSPECTION REPORT)

	-		ICOUNTY INO. IINSPECTED BY DATE.
NAME	CAPK FEAR	PLT, A63 ASH POP	NO CHATH 076 JEH/AR 2-21-14
OWN		PROGRESS	FILE FILE
TYPE	DAM Concrete	previty Concrete arch	Other TYPE INSPECTION Prode SITE CONDITIONS New
_		buttrees Stone mesonery	□ Iritial □ Followup '□ Other □ Day □ Showcover □ Other
HAZA	AD DESCRIPTION	ADON MATE	FLAL COMPOSITION HAZARD CLASS (B) Intermediate (B)
REMA	PINE NE	RALL CONDITION	ACTION RECOMMENDATIONS
	- OVE	Plan CONDITION	CLOCAL CONTINUE None Inspection letter Dem safety order
A	MEATUS SINE	BLE W/OLDER STABILIZED.	SLOPE COND! Maintenance Deficiency letter Enforcement
5	LEESSPULLY	SIMBICIENT.	Minor repair Engineering study Other reinspection
			\$ \$00000000000000000000000000000000000
AREA	M	(O BLEMS	100 001/11/16
*	1.None	∐12.Cracks	COVER: 23 Vegetation Rip rep Concrete Asphalt Other Diccomm.
FACE	3.High bushes	13.Undermining	
	4.Burrows	14.Holes	
34018	5.Wave erosion	15.Spalling	
	6.Livestock demage	16.Displaced joints]
5	7.Sildes	☐17.Deteriorated joints	
PETREAM	a.Depressions	☐18.Exposed reinforcement	
5	3.Buiges	☐19.Other	
	10.Sparse rlp rep		
	5 1.None	11.Cracie	COVER: Vegetation Gravel
	2Trees	12.Spelling	1 de Amaria Depertens. Some
3	3.High bushes	13.Deteriorated joints	1- NO APPARENT PROBLEMS. SOME MINOR RUTTING IN ROADWAY
3	☐ 4.Burrows	☐14.Displaced joints ☐15.Exposed reinforcement	MINOR RUTTING IN PROPERTY
ð	6.Livestock demage	16.Other	WAS NOTED.
è	7.Depressions		1.
	☐ 8.Unievel		
	9.Miselignment		
	☐10.Has overtopped		
w	1.None	11.Seepage	COVER: Vegetation □ Rip rap □ Concrete □ Other
FACE	☑2Trees	12.Boile	
•	3.High bushes	13.Cradis	2,4,5,7,849 - NO NOTEWORTHM CHANGES
34078	A.Burrows	14.Holes	NOTED. DONNED TREES & SLOPE
4	5.Eroelon	15.Spelling	IPREGULARITIES ARE LONG-STANDING
-	6.Livestock dernage	☐ 16.Displaced joints ☐ 17.Deteriorated joints	
DOWNETREAN	8.Depressions	☐ 18.Exposed reinforcement	WITH NO STRUCTURAL DISTRESS INDIGETED
	2 9.Bulges	19.Other	`
2	10.Wetness		
	1.None	11.Seepage	COVER: X Vegetation Rip rap Concrete Other
	2.Trees	12.Bolls	
	3.High bushes	13.Cracks	5-MINOR W/MESPECT TO MONITORING
5	4.Burrows	14.Holes	WELL ALCESS; MOST FRATURES
CONTAC	⊠ 5.Erosion	15.Spelling	ARE OLD AND APPEAR STABLE AT
	☐ 6.Livestock damage	16.Displaced joints	
ğ	7.Sides	17.Deteriorated joints	THIS TIME.
	A Depressions	18.Exposed reinforcement	10-11 - CONCENTRATED SEEP OBSERVED ABOUT
	9.Bulges	19.Undermining	400 US ALING RIVER 19RUM 1ST SET OF MONITORING WELLS GOING IN IPOM NORTHEND
	DI 10. Wetness	☐20.Other	FLOW IS CLEAR AND SUPPOSING SOLS
			ADRIAR FROM WHEN PROBLED. IRON OXIDE
			PRECIP. NOTED; SEVERAL GPM FROW NOTED.
			AND ARKA APPEARS IMPARTED BY AREAS AD PATH

is alterotratival) OF EMB				COLLE	318		,
AREA			COVER:	Vegetator	□ Pap rep	Concrete	Other .		
	H	☐ 11.Seepage							
-	2.Trees 3.High bushes	13.Cradis							
CONTACTE	C 31.86. 000.00	14.Holes							
9	5.Erosion	15.Spelling							
		16.Displaced joints							
ABUTHENT	7.Sildes	17.Deteriorated joints							
5	.Depressions	☐ 18.Exposed reinforcement							
₹	9.Bulges	19.Undermining							
	10.Wetness	20.0ther				-0 . /5	100	Proper	(1)
	EL1.None	11.Joint displacement	TYPE/SQ	E SUR	MIK.	DICATINS	10 1017	on DIKE	7774
	2.No treshguard	12.Undermined			BREAZ	HED SI	EXARATI	ON DIFE	i
SPELFAX	3.Obstructed	13.Voids					•		1
4	4.Plugged	14.Eroelon							
•	☐ 5.Rusted	☐ 15.Holes							
3	☐ 6.Demeged	16.Conduit collesped							
₹.	7.Gates looking	☐ 17.Spalling ☐ 18.Outlet undercutting							
PRINCIPAL	Suicints leaking	19.Missignment							
	9.Cracks								
	10.30m deministra								
	□1.None	11.Joint displacement	TYPE/SC	Æ: 					
2	2No ES	12.Undermining							
7	3.Same as PS	13.Voids	1					•	1
& PILL WAY	4.Obstructed	14.Holes 15.Exposed reinforcement							1
2010000000000	5.Erosion 6.Displaced rip rep	16.Spelling	1						Į.
ENERGENCY	7.Sparse rip rap	17.Outlet erosion							j
2	☐8_loints leaking	18.Missilgnment	1						·
=	9.Cradts	19.inedequate capacity							ł
	10.Joint deterioration	20.Other							
	D4 Nage		TYPE:						
5	1.None	n demin							
5	3.Bottom dr		ł						
0000000	4.Subeuried								
OTHER	☐ 5.Subeurted	e drain muddy flow							
100000000000000000000000000000000000000	☐ 6. Subsurted	oe drain obstructed				•			Ī
3	7.No enimal	guard	l						
DRAINS /	☐ 8.Other								
	CHES/COMMENTS								
			1/.						
		1> INACTIV			,				
	-PISCUS	SED MON	ודטה	21NG	w/ C	OMPA	N4 0	FACIAL.	5
	@ 51	TE, WITH 1	ART	CULAR	ATTE	MOTH	GIVEN	10 Sta	EP
	(MACTECH) IS AWARE OF SEEP AND IT IS INCLUDION							ĺ	
	(MA	CTECH) 15 A	huA	PUR OF	Skh	PAN	iD IT	1> 1NC	1242
	12	Co.'s REGUL	AR 1	~~// <i>T</i>	UNU	> *			

DAM SAFETY INSPECTION REPORT

NAME		PLT. 1970 ASH	a.n	COUNTY	NO.		TED BY		DATE
OWN	ler.		1000	ADDRESS		TH	1172		2-21-14 PHONE
TYPE	DUKK P		Other	TYPE INSPECTION	LE DA		lerry con	0/710110	FILE
		es buttrees	10MB	Initial Folio			SITE COM	DITIONS	ØWet ver □ Other
HAZ	ARD DESCRIPTION	1. 40 000 / 400	12 /	Con a Paris	1		HAZARD C		☐ Intermediate (B)
REM	ARKS - COST	NUES TO APPR	H C	WM 105/TIC	ACTION	REC	OMMENDAT	<u> </u>	XX High (C)
(2)	NT NUS. N	LONITORIAL & A	ME S	PRAMER .	1—		Inspection les		Inspection by DSE Dam salety order
12	N6. A350C.	NONITOPING of A , on DECOMM. ITTING NOOPY V	PROCK	15119-142 ESS 0	Meinten Monitori	,	Deficiency lett RE notice		Enforcement Periodic reinspecti
O	NANUE OR	ITTING MOOPY V	26.6	OLD SALL	Minor rep		Engineering si		¿Other reinspection
ARE	A	PROBLEMS			7/2	COMME	NTS		NKEPKD CANDING
	1.None	11.Displaced rip rep	COVE	t: ⊠Vegetedon i	∏ Alpreop [Concrete	☐ Asphalt	Other	DECOMM.
3	2Trees	12.Crecks	1						
	4.Burrows	13. Oncommenting	1						
34018	5.Wave erosion	15.Spelling	ı						
	6.Livestock damed	pe 16.Displaced joints	1						
3	7.Sides	17.Deteriorated joints	l						
PETREAL	☐ 8.Depressions ☐ 9.Bulges	☐18.Exposed reinforcement	1						
5	10.Sparse rtp rap	19.Other							
	12 1.None	[]11.Crecks	COVER	: Vegetation [Gravet []	0			
	2.Trees	12.Spelling	COVER	- Marie -	1 G 100	Concrete	LI Alphat	TOWN Y	ZCRSS MP.
	3.High bushes	13.Deteriorated joints	i-	No A	MARKA	IT PI	ROBLEM	15 . 1	MINION
3	4.Burrows	☐14.Displaced joints	'					,	
la To	☐ 5.Puts	15.Exposed reinforcement		PUITING	> 1N	10/18	MAY	NOT	TED.
à	5.Livestock demage	16.Other	}						
-	□ &Unlevel		l						
	9.Miselignment	•							
	10.Has overtopped			,					
8	1.None	11.Seepage	COVER	Z Vegetation □	Яфлер 🗆 (Concrete	Other		
FACE	2Trees	12.Boile			<i>_</i> .	. 100			
	☐ 3.High bushes ☑ 4.Burrows	13.Cracks	2,4,	5,7849-	- Scopp	114	RGULAN	47783	AFR
9	2-6.Erosion	15.Speiling		1006-5	MNOIN	16 W	/ No s	The	CTURAL
3	6.Livestock damage	☐ 16.Displaced joints	l	DISTRA	(5 / 4)	کسر رو	<i>k</i>	Are I	CTURAL GEATURES
WNETREA	7.Sides	17.Deteriorated joints		APPEAR	STAR	CR. L	1	400 m	4 4
5 1	Ø-8.Depressions Ø(9.Buiges	☐ 18.Exposed reinforcement ☐ 19.Other	Ì	140	_ , , , , , , , ,	- <i>i</i> - /y	1 / /7	12//	12,
11 10 10 10 10 10 10 10 10 10 10 10 10 1	10. Wetness								
	, , , , , , , , , , , , , , , , , , , ,					·			
2000 B	1.None	11.Seepage	COVER	Ø Vegetation □	Plprap [] (ionarete (Other		
	2Trees 3.High bushes	☐ 12.Boils ☐ 13.Cracks							
5	4.Burrows	14.Holes							
	5.Erosion	15.Spelling	•	5- MI	SOR ; 1	VUT	PROBL	lkm,	ATTE
	6.Livestock demage	☐ 16.Displaced joints	,				,	•	
	7.Sildes	17.Deteriorated joints							i
	8.Depressions	16.Exposed reinforcement							
	☑ 9.Bulges ☑10.Wetness	19.Undermining							
₩I'	v. ***** *****	20.Other							

						ero
AREA PI	OSEEMS	COVER	⊠ Vegetalan	[] Physics	Concrete	
1.None 2.Trees 3.High bushes	11.Seepege 12.Bolle 13.Cracks	001212				
4.Burrows 5.Eroelon 6.Livestock damage 7.Stides 6.Depressions	15.Spelling					
S.Depressions S.Bulges 10.Wetness	18.Exposed reinforcement 19.Undermining 20.Other					
12 1.None 2.No trachguard 3.Obstructed 4.Plugged	11.Joint displacement 12.Undermined 13.Voids	TYPE/SIZ	- CO.	NTIN	UTVET VIE P 6. N.E	PIPE (FILE) CEMOVAL OF AR OLD RISEIZ
5. Rusted 5. Dermaged 7. Gates leaking 8. Loints leaking 9. Crecks	15.Holes 16.Conduit collesped 17.Spalling 18.Curiet undercuting		-007	VáT	DRY	
10.Joint deteriorati	on 20.Other	TYPE/Si	在:			
2.No ES 3 Same as PS 4.Obstructed 5.Erosion	12.Undermining 13.Voide 14.Holes 15.Exposed reinforcement					•
Calculated rip rep Table Table	18.Spailing 17.Outlet erosion 18.Miselignment 19.tradequate capacity on 20.Other					
E □1.None		TYPE:				
DE No bota D 3. Bottom D 4. Subsurf	drain inoperable ace drain dry face drain muddy flow face drain obstructed					
***************************************		<u> </u>		· ·		
BKETCHEB/COMMENTS	JO 316NIGI STABLE W/ DISCUSSED W/ CO. OM	MO, MO,	T Ct 0 5/6, 1/TOPA 15 @	HAND NS 0, NG /, SIT	CES 1 1- DI: 1 MANN X	NOTRO, APPRAAS TRASS,

(DAM SAFE WINSPECTION REPORT)

NAME	ADL TYAC	PLT. 1978 ASH	- and	CATATH	NO. 078	INSPECTE	AR_	2-21-14
OWN	DUKK P	2401, 1940 115H	70,00		7 LE	l	711	PHONE
TYPE			Other	TYPE INSPECTIO		e (\$	ITE CONDITION	
		buttrees Stone mesonery		☐ Iritial ☐ Follow	== :		Day Dana	
HAZA	AD DESCRIPTION	MAN MATER	1 27	Composi	700	H	LOW (A)	☐ Intermediate (B) ☑ High (C)
REMA	AKS A SCHA	103 / 10 41 104	125	11.16 55	ACTION	REGO	MMENDATIONS	
	TAPPEAN	ABY MATER AS STAPLE W/N ISTRESS. LIQUI O TO INVESTIGATE S. GROVNDCOVER MUCH IN	1	FAKL HAS	None Maintenance		spection letter oficiency letter	nepection by DSE
577	and Lowere	O TO INVESTIGA	TE /	ninor Litai	Monitoring		E notice	Periodic reinspection
الف	PASEL JUINTS	6. GROUNDCOVER	Pko	INLET VED.	Engineerin		igheering study ipaction by RE	Other reinspection
AREA	PI	ROBLEMB				COMMEN	ī.	
	☐ 1.None	11.Displaced rip rap	COVE	R: 25 Vegetation []Represp □ C	Concrete [Asphalt Ohe	1
FACE	2.Trees	12 Cracks		i -				
-	3.High bushes	☐13.Undermining ☐14.Holes	~	4.5+A-	Somk	SL/G	HT /CXX	6. NoTED
9	⊠ 5.Wave erosion	15.Spalling		1 BUTA	JOT Pr	ZoßLEn	ATIC, O	ONGOING
	6.Livestock demage	☐16.Displaced joints		MAN	(TENAN	ick 1	S 577-7751	ALTORY
PETREAM	7.Slides	17.Deteriorated joints		A-10	A-OPKAR	R 121	MECTIVE	PARTICULAR
E	☐ 8.Depressions	18.Exposed reinforcement		AL RE	SPECT	TO A	NY VA	EMINT ACTIVI
1	☐ 9.Bulges ☐10.Sperse rlp rep	MIS.ORM		00/10			• • • •	
	SZ 1.None	□11.Cracts	COVE	R: Vegetation [Gravel Co	oncrete [Asphalt Di Other	Access RO.
	2 Trees	12.Spelling						1. 23 1-0.
	3.High bushes	13.Deteriorated joints						
770	4.Burrowe	14.Displaced joints						
ð	5.Ruts 6.Livestock demage	15.Exposed reinforcement						
è	7.Depressions							
•	☐ a.Unlevel							
	D.Miselignment							
	10.Has overtopped				,			
FACE	1.None	11.Seepage	COVE	R: XVegetation C	Rapmap ⊡co	oncrete [Other	
1	2.Trees	☐ 12.Bolis . ☐ 13.Cracks	ح	- VERM	min	un E	erosia.	
	4.Burrows	14.Holes	ノ				_	
3	5. Eroelon	15.Spalling		GROUN	ID COVA	en y	VARM	NT
3	6.Livestock damage	16.Displaced joints		CONTR	oi m	NUH	IMPRO	VID.
2	7.Sides	17.Deteriorated joints						
•	8.Depressions 9.Buiges	16.Exposed reinforcement						
ä	10.Wetness							
	1.None	M11.Seepage	COVE	R: Vegetation []Ripmap □ C	oncrete [Other	
	2Trees	12.Bolls	17	- 10 A	00000		10.1000	1107060
ĸ	3.High bushes	13.Credts	11	- No A			_	
TAG	4.Burrows 5.Erosion	☐ 14.Holes ☐ 15.Spelling					. poks 1	
2011	S.Erosion	15.Spening		APPEAR	- 70 i	3K	PROBLEM	-ATTE.
8	7.Sides	77.Deteriorated joints		•	,			
	☐ 8.Depressions	18.Exposed reinforcement	21	- No	CHA	VOK 1	VODEPC	i OLD
	9.Bulges	19.Undermining	-					PassemATTC
	10. Wetness	∑(20.Other		1 6 7	¥ /	-	14-1	MUSCRMATTC

AREA	PRO	CHERMS	COMMENTS
	☑ 1.None	11.Seepage	COVER: X Vegetation Rip rap Concrete Other
	2.Trees	12.Bolis	
107	2 stigh bushes	13.Crecks	
5	4.Burrows	14.Holes	
CONT	5.Eroelon	15.Spalling	
	6.Livestock demage	16.Dispisced joints	
UTMENT	7.Sildes	17.Deteriorated joints	
1	☐ a.Depressions	18.Exposed reinforcement 19.Undermining	·
	9.Bulges	20.Other	
	10.Wetness		TYPERSTE: PISER STYWINGE / BATTLE (1946)
	1.None	11.Joint displacement	THE PARTY OF THE P
3	2No trachguard	12.Undermined	DE BASINENT
-	3.Obstructed	14.Eroelon	5- TRASH RACK CERROTIED; RERACEMENT
	4.Plugged 15. Rusted (Trast	T 15 Holes	RECOMMENDED.
4	6.Demeged	16.Conduit collesped	l '- '
PINCIPAL	7.Gates leaking	17.Spelling	a-LIQUID LEVEL HAS BEEN LOWERED
	Salaints leaking	16.Outlet undercutting	8-LIQUID LEVEL HAS BEEN LOWERED TO FAULITATE INSPOR PISER JOINTS,
	9. Crucks (PISER	19.Missignment	POTENIAL PERMAS DISCUSSED.
	10.Joint deterioration		
	□1.None	11.Joint displacement	TYPE/SIZE: FILE
779	2.No ES	12.Undermining	
3	123 Same as PS	13.Voide	
T M	4.Obstructed	15.Exposed reinforcement	
	☐6.Displaced rip rep	16.Spelling	
ă	7.Sparse no rep	17.Outlet erosion	
EMERGENCY	S.Joints leaking	18.Misalignment	
3	9.Cracks	19.inedequate capacity 1 20.Other	
	10.Joint deterioration		
8	M(1.None		TYPE:
DUTLETE	2.No botton		
		rain inoperable	
OTNEA	4.Subeurles	ce drain muddy flow	
5	800	ce drain obstructed	,
3	7.No enime		·
DRAINE	☐ 8.Other		
	CHES/COMMENTS		
BRE			TO APPEAR STARLE . VEG.
1	- STA	water co	NTINUÉS TO APPEAR STAISLE. VEG.
ļ	Cov	IRA 15 m	NIH IMPROVED; ALSO INVET
	PiL	andalki ma	THENANCE.
	CH	HIVIVEL / /	
	- D	ISENSEED A	NINOR LEARAGE BRING INVESTIGATED
	@	RISER &	POTENTAL NEED FOR PEPAR
	P	Keen 7	TASH RACK PERACEMENT WAS
	14	1200 RECOM	MENUFU,

DAM SAFEN INSPENSION REPORT

NAME			COUNTY	INSPECTE	D PY	DATE
	CAPE FEA	r 1985 AzH	Vondo CATATAL (049 JUH	/AR	2-21-14 PHONE
OWNE	DUKE f	PROGRESS	ADDRESS	FILE		FILE
TYPE			Other TYPE INSPECTION	ELLEGATOR L	SITE CONDITIONS	(2) Wet
	terfement	utirees Stone mesonary	Hilds Followup	□ Other	Dry Showas	
HAZAI	DESCRIPTION	00 /1-5	EPIAL COMPOSITI		HAZARD CLASS	☐ Intermediate (B) ☑ High (C)
177	SECONDATI	7 190 - 10411	EAST CTACLE ACT	ION RECO	MMENDATIONS .	
REMA	AKS - CUNTA	WING TO APP	ED IN SERIAL DI		repection letter	Inspection by DSE Dem salety order
NO	SIONIFICATION	+ VARMINT M	ANACIEMANT		leficiency letter (*) LE notice (*)	Enforcement Periodic reinepection
6/0	CLU LA- PROVIE	n - hiswissen	PISER LEANING		ingineering study	Other reinspection
1			RISER LEANAGE DE		repection by RE	
AREA	20	CILINA		COMMEN	*******************************	
	1.None	11.Displaced rip rap	COVER: Vegetation A Pipe	TAP LI CONCIONO	Asphalt Other	
30	2Trees	12.Cracks	-SLOPE I PR	Genili An	ITH'S APP	VAI
	3.High bushes	13.Undermining	->LOFE / PG	POULIX		STREES
	A.Burrows	14.Holes	BETTER-MAN	Attorn of	. House is	ردهار
2	[2] 5. Wave erosion	15.Spelling	IS NOTED.			
3	☐ 6.Livestock damage ☑ 7.Sädes	☐16.Displaced joints ☐17.Deteriorated joints	-VARMINT	0 01-01	1. second 73 1	APPE DE
	2 8.Depressions	18.Exposed reinforcement				
FEET	S. Bulges	219.0ther	-VEG. MAN	(4	, ic and	A IMPROVED
5	10.Sparse no rep	D	-VEG. MAN	TENTHICA	2/3/	
			COVER: Vegetation Gran	el Concrete	Aschelt Coher	
	区 1.None	11.Cracks	GOVERN A			
	☐ 2.Trees ☐ 3.High bushes	☐12.Spelling ☐13.Deteriorated joints				
-	4.Burrows	14.Displaced joints				
MA	S.R.AS	15.Exposed reinforcement				
ð	6.Liveetock demage	16.Other				
8	7.Depressions					
	☐ &Unlevel					
	9.Miselignment	•				
	10.Has overtopped			•		
	1.None	11.Seepage	COVER: Vegetation Filp r	ap Concrete	ONE STONE	COVERCO W 106
FACE	2Trees	12.Boils				
	3.High bushes	13.Cradus	-SER US	SLOPE	ASPONING KIND	S AND TAKE
500000000000000000000000000000000000000	4.Burrows	24.Holes	- PREVIOUSLY N - ONGOING	CITED ISULUI	8.U 574 300/A	MAKE NO VISI
MOTE	52.5.Eroelon	15.Spalling				
-	5.Livestock damage	☐ 16.Displaced joints	much Im			
	区7.Sildes	17.Deteriorated joints	Q-3 SMALL	- DEPPRS	WONS NOT	ED NEAR
DO WNSTRE/	8.Depressions	18.Exposed reinforcement	CREST ABOUT	- 600' F	no, m NORTH	END ON
	9.Bulges	19.Other	THE EAST FA	tie_ Do 1	NOT APPRA	a problèmatic
5	☐10.Wetness		DISCUSSED GRA	thulan 131	tennu of r	MANITURING
	1.None	241.Seepage	COVER: Vegetation Rip	rap Concrete	MONE STUNE	COVEREW
	2Trees	□12.Bolls			Tric A	LOT - PM
	3.High bushes	☐13.Crecks	10,11 - MAN	TENANCK,	Suga ma	NA I
5	4.Burrows	14.Holes	Ars n	WCAL .	Bo	TORINENT
CONTACT	5.Erosion	15.Spelling	10,11 - MATRI ARE M	- In	LONEYS . C	216000
8	6.Livestock damage	16.Displaced joints	COVE12 1	> (3001)	4 STUNK	ADJ. To
ĕ	7.Sildee	77.Deteriorated joints	PAIL A	SPEARS T	D BKE KA	ELD VI
	a.Depressions	18.Exposed reinforcement	TRAIL A SHEARUE 1 20 - SOME	tprepris	UNCHANGE	Palvei
	9.Bulges	19.Undermining	W- Jame	With the	ATT PRO	- CVA
	X10.Wetness	[2] 20.Other	GRAPAS		okt on ST	KAT KI
28/08/2009 (2)			(31 <i>U</i> /37 <i>472</i>)			

			** 4				
AREA	PROS	THE	COMMENTS				
		11.Seepage	COVER: Vegetation Rip rep Concrete Other				
-		12.Bolls					
		13.Cradis					
CONTACT	4.Burrows	14.Holes	- SER PRENIOUS TOR COMMENIS				
8		15.Spelling					
=	[] @Preserver ama	16.Displaced joints					
UTAÇAT		17.Deteriorated joints					
		18.Exposed reinforcement	·				
		19.Undermining 20.Other					
			Carrier Pased Contain / File				
] 11loint displacement	TYPERSOR: CONCRETE PISER/CONDUIT (FILE)				
4] 12.Undermined	5- Some corposion of TRASH RACK				
] 13.Voids	3-30000				
1	1 L.17. 2000-] 14.Ercelon [15.Holes	Q-IC - UDUID LENKE HAS BEEN LOWERE				
		3 16.Conduit collesped	DOB LEAKER TOINT/HOLE LEAKERGE				
CIPAL		17.Spailing	ON PARAMS OUTLETWORKS				
	15	18.Outlet undercutting	8-15 - URUID LIENKE HAS BEEN LOWERED TO INVESTIGATE TOINT/HOLE LEARLAGE & POTENTIAL REPAIRS, OUTLETWORKS IN SATISFACTION CONDITION.				
•] 19.Miselignment	NO STRUTURAL DISTRESS NOTRED.				
	10.Joint deterioration] 20.0ther	NO THOUGHT ISTOTICES NOTICES.				
		11.Joint displacement	TYPE/SIZE:				
	()] 12.Undermining					
7	XI] 13.Voide	•				
SPILLY	-	14.Holes					
100000000000000000000000000000000000000	□5.Eroelon [15.Exposed reinforcement					
3] 16.Spailing					
1		17.Outlet erosion					
1] 18.Miselignment] 19.inedequate capacity					
	9.Crecks L						
			TYPE:				
8	1.None		III.				
5	(2. No bottom dr						
	3. Bottom drain						
OTHER	4.Subsurface d						
	☐ 5. Subsurface d		·				
3	7.No enimal gu						
NA N	☐ 8.Other						
	TO COMMENTE						
SKET	TCHEB/COMMENTS NO EVI	period of s	STRUCTURAL DISTRESS; SITE APPEARS				
	STABLE @ THIS TIME.						
٠.	- CLOPE /VEG. / VARMINIT MANAGEMENT KHORTS						
	ARRAR TO BE KATECTIVE of SHOULD CONTINUE.						
	ARRAS	PRENIOUSEG	AFFECTED BY SKRPACK THRAN				
			WIND WET DUE IN MART TO				
	A.E. Falt	- WEATHER	CONDITIONS, BUT NO DISTRIESS WAS				
	WELEN !	(0	- ,				
Ī	OBSERVE	er o					



North Carolina Department of Environment and Natural Resources

Division of Energy, Mineral and Land Resources Land Quality Section

Tracy E. Davis, PE, CPM Director

Pat McCrory, Governor John E. Skvarla, III, Secretary

March 20, 2014

NOTICE OF INSPECTION DAM SAFETY LAW

Mr. John Toepfer, PE Duke Energy 410 S. Wilmington St./NC14 Raleigh, NC 27601

> RE: 1956 Ash Pond Dam State ID: CHATH-075 Chatham County Watershed: Cape Fear

Dear Mr. Toepfer:

Pursuant to the North Carolina Dam Safety Law of 1967, on February 21, 2014, personnel of the Land Quality Section performed a periodic inspection of the subject high hazard potential dam, which is located near Moncure in Chatham County. The Dam Safety Law of 1967 provides for the certification and inspection of dams in the interest of public health, safety, and welfare. Our goal is to reduce the risk of failure of such dams, to prevent injuries to persons, damage to property, and to ensure the maintenance of stream flows.

According to the above mentioned visual inspection, the dam appears to be in a stable condition at this time. However, we recommend the following items pertinent to maintenance and operation of the dam:

- (1) Continue your efforts to maintain a ground cover sufficient to restrain accelerated erosion on all earthen portions of the structure. This will enhance the stability of the dam should these portions become exposed to overflow or other forms of concentrated flow. Monitor the stump holes and minor erosion observed around such locations, and provide suitable backfill and ground cover if erosion begins to threaten a more serious slope failure.
- (2) Continue to periodically monitor the dam and appurtenant works with respect to elements affecting their safety. This is in light of the legal duties, obligations, and liabilities arising from the ownership and/or operation of a dam. In particular, the old spillway outlet pipe should be uncovered to facilitate more close observation if it were to begin conveying flow for any reason.
- (3) Continue to monitor and control varmint activity on the embankment by backfilling obvious penetrations with crushed stone and/or Implementation of other suitable controls.

Notice of Inspection CHATH-075 March 20, 2014 Page 2 of 2

It is our understanding that you intend to continue pursuit of the decommissioning of this facility. Please remember to obtain all approvals required by our Department before you proceed with any site work toward that end. With respect to our Safe Dams Program, a permit could be required for any activities that may disturb the structure. As we discussed, it is recommended that you provide advance written notice concerning any work you may be planning to perform that will affect the dam, so that we may help you clarify the scope of any required permitting. In particular, we discussed the potential elimination of old drain pipes, and their physical removal or sealing would likely require a permit from our Division. We will work with you to provide flexibility regarding maintenance activities that will not require a specific permit.

Although the inspections by our staff are relatively infrequent and offer no safety guarantees, we hope that you will use the information provided in this letter as you fulfill your obligation to safely maintain and operate your dam. In order to help us keep our records up-to-date and therefore serve you better, please notify us concerning any changes in address or ownership. Your cooperation in this effort is greatly appreciated.

If there are any questions, or if we can be of any assistance, please do not hesitate to contact us.

Sincerely,

popul L. Holley, Jr., PE, CPESC

Regional Engineer/ Land Quality Section Raleigh Regional Office

cc: State Dam Safety Engineer

File



North Carolina Department of Environment and Natural Resources

Division of Energy, Mineral and Land Resources Land Quality Section

Tracy E. Davis, PE, CPM Director

Pat McCrory, Governor John E. Skvaria, III, Secretary

March 20, 2014

NOTICE OF INSPECTION DAM SAFETY LAW

Mr. John Toepfer, PE Duke Energy 410 S. Wilmington St./NC14 Raleigh, NC 27601

> RE: 1963 Ash Pond Dam State ID: CHATH-076 Chatham County Watershed: Cape Fear

Dear Mr. Toepfer:

Pursuant to the North Carolina Dam Safety Law of 1967, on February 21, 2014, personnel of the Land Quality Section performed a periodic inspection of the subject high hazard potential dam, which is located near Moncure in Chatham County. The Dam Safety Law of 1967 provides for the certification and inspection of dams in the interest of public health, safety, and welfare. Our goal is to reduce the risk of failure of such dams, to prevent injuries to persons, damage to property, and to ensure the maintenance of stream flows.

According to the above mentioned visual inspection, the dam appears to be in a stable condition at this time. However, we recommend the following items pertinent to maintenance and operation of the dam:

- (1) Continue your efforts to maintain a ground cover sufficient to restrain accelerated erosion on all earthen portions of the structure. This will enhance the stability of the dam should these portions become exposed to overflow or other forms of concentrated flow. Monitor the stump holes and minor erosion observed around such locations, and provide suitable backfill and ground cover if erosion begins to threaten a more serious slope failure.
- (2) Continue to periodically monitor the dam and appurtenant works with respect to elements affecting their safety. This is in light of the legal duties, obligations, and liabilities arising from the ownership and/or operation of a dam. In particular, this applies to the area where a significant slope failure was repaired adjacent to the river in the past, and where concentrated seepage was observed on this visit at the downstream toe below the monitoring well access road adjacent to the river. Although the flow was clear and no distress was indicated, the seepage should be monitored for any changes that may signal slope instability.

Notice of Inspection CHATH-076 March 20, 2014 Page 2 of 2

(3) Continue to monitor and control varmint activity on the embankment by backfilling obvious penetrations with crushed stone and/or Implementation of other suitable controls.

It is our understanding that you intend to continue pursuit of the decommissioning of this facility. Please remember to obtain all approvals required by our Department before you proceed with any site work toward that end. With respect to our Safe Dams Program, a permit could be required for any activities that may disturb the structure. As we discussed, it is recommended that you provide advance written notice concerning any work you may be planning to perform that will affect the dam, so that we may help you clarify the scope of any required permitting. We will work with you to provide flexibility regarding maintenance activities that will not require a specific permit.

Although the inspections by our staff are relatively infrequent and offer no safety guarantees, we hope that you will use the information provided in this letter as you fulfill your obligation to safely maintain and operate your dam. In order to help us keep our records up-to-date and therefore serve you better, please notify us concerning any changes in address or ownership. Your cooperation in this effort is greatly appreciated.

If there are any questions, or if we can be of any assistance, please do not hesitate to contact us.

Sincerely,

ohn L. Holley, Jr., PE, CPESC

Regional Engineer
Land Quality Section
Raleigh Regional Office

cc: State Dam Safety Engineer File



North Carolina Department of Environment and Natural Resources

Division of Energy, Mineral and Land Resources Land Quality Section

Tracy E. Davis, PE, CPM Director

Pat McCrory, Governor John E. Skvarla, III, Secretary

March 20, 2014

NOTICE OF INSPECTION DAM SAFETY LAW

Mr. John Toepfer, PE Duke Energy 410 S. Wilmington St./NC14 Raleigh, NC 27601

> RE: 1970 Ash Pond Dam State ID: CHATH-077 Chatham County Watershed: Cape Fear

Dear Mr. Toepfer:

Pursuant to the North Carolina Dam Safety Law of 1967, on February 21, 2014, personnel of the Land Quality Section performed a periodic inspection of the subject high hazard potential dam, which is located near Moncure in Chatham County. The Dam Safety Law of 1967 provides for the certification and inspection of dams in the interest of public health, safety, and welfare. Our goal is to reduce the risk of failure of such dams, to prevent injuries to persons, damage to property, and to ensure the maintenance of stream flows.

According to the above mentioned visual inspection, the dam appears to be in a stable condition at this time. However, we recommend the following items pertinent to maintenance and operation of the dam:

- (1) Continue your efforts to maintain a ground cover sufficient to restrain accelerated erosion on all earthen portions of the structure. This will enhance the stability of the dam should these portions become exposed to overflow or other forms of concentrated flow. Monitor the stump holes and minor erosion observed around such locations, and provide suitable backfill and ground cover if erosion begins to threaten a more serious slope failure. In addition, continue to keep trees and restrictive woody vegetation cut away from the spillway.
- (2) Continue to periodically monitor the dam and appurtenant works with respect to elements affecting their safety. This is in light of the legal duties, obligations, and liabilities arising from the ownership and/or operation of a dam. Your inspection program using an independent consultant is a good way to address this item.
- (3) Continue to monitor and control varmint activity on the embankment by backfilling obvious penetrations with crushed stone and/or Implementation of other suitable controls.

Notice of Inspection CHATH-077 March 20, 2014 Page 2 of 2

It is our understanding that you intend to continue pursuit of the decommissioning of this facility. Please remember to obtain all approvals required by our Department before you proceed with any site work toward that end. With respect to our Safe Dams Program, a permit could be required for any activities that may disturb the structure. As we discussed, it is recommended that you provide advance written notice concerning any work you may be planning to perform that will affect the dam, so that we may help you clarify the scope of any required permitting. We will work with you to provide flexibility regarding maintenance activities that will not require a specific permit.

Although the inspections by our staff are relatively infrequent and offer no safety guarantees, we hope that you will use the information provided in this letter as you fulfill your obligation to safely maintain and operate your dam. In order to help us keep our records up-to-date and therefore serve you better, please notify us concerning any changes in address or ownership. Your cooperation in this effort is greatly appreciated.

If there are any questions, or if we can be of any assistance, please do not hesitate to contact us.

Sincerely,

John L. Holley, Jr., PE, CPESC

Regional Engineer (Land Quality Section Raleigh Regional Office

cc: State Dam Safety Engineer

File