

Delivered-To: rick.lumpkin@noaa.gov  
Received: by 10.182.237.137 with SMTP id vc9csp47822obc;  
Tue, 16 Oct 2012 08:48:56 -0700 (PDT)  
Received: by 10.68.241.133 with SMTP id  
wi5mr47548503pbc.48.1350402535730;  
Tue, 16 Oct 2012 08:48:55 -0700 (PDT)  
Return-Path: <steve.piotrowicz@noaa.gov>  
Received: from psmtplib.com (na3sys009amx221.postini.com [74.125.149.61])  
by mx.google.com with SMTP id  
sr2sil5208255pbc.139.2012.10.16.08.48.54  
(version=TLSv1/SSLv3 cipher=OTHER);  
Tue, 16 Oct 2012 08:48:55 -0700 (PDT)  
Received-SPF: neutral (google.com: 74.125.149.207 is neither permitted nor  
denied by best guess record for domain of steve.piotrowicz@noaa.gov)  
client-ip=74.125.149.207;  
Authentication-Results: mx.google.com; spf=neutral (google.com:  
74.125.149.207 is neither permitted nor denied by best guess record for  
domain of steve.piotrowicz@noaa.gov) smtp.mail=steve.piotrowicz@noaa.gov  
Received: from na3sys009aog112.obsmtplib.com ([74.125.149.207]) (using  
TLSv1) by na3sys009amx221.postini.com ([74.125.148.10]) with SMTP;  
Tue, 16 Oct 2012 10:48:55 CDT  
Received: from mail-ob0-f181.google.com ([209.85.214.181]) (using TLSv1)  
by na3sys009aob112.postini.com ([74.125.148.12]) with SMTP  
ID DSNKUH2B5kDVusJKnFdOahYMWxA/0oytziEI@postini.com; Tue, 16 Oct  
2012 08:48:55 PDT  
Received: by mail-ob0-f181.google.com with SMTP id un3so6960036obb.26  
for <rick.lumpkin@noaa.gov>; Tue, 16 Oct 2012 08:48:54 -0700 (PDT)  
X-Google-DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;  
d=google.com; s=20120113;

h=mime-version:in-reply-to:references:date:message-id:subject:from:to  
:cc:content-type:x-gm-message-state;  
bh=DF41ImtwGJbBhod/Aa728z6LukHEcCM31QaNKUrx4wk=;

b=H7zdFJsbbYFKtn/aafL0GGioORceu5gVYhRc6K+F1+sizYF+JeTnfMafvMVfyTC0qp  
fXM1+73n6LJTCuV/8ZWSZrBeOOUsjqAxe4bx256HZriv9UVFBOUGRZ+qR/yf6Yc9b4Lu  
WheLdajUn43SHYhIp3vHP136amkiMzjeATFMJ5n9ko2ExriZP3zyWUco96WK79Xc5nhK  
YJ0DlymmdIKnZsT6BgnQrQRlnrOuxyPtaVllyn4/snKcVpl3RL9AX0AoGaPIhpUn9wuN  
eb1dVnJWr5RCRvDTzaTpHrSIvAXEBzleHWQfd6X/yPZfdHxSsZ/7OHv2TMWKNVAido91  
Dy8w==

MIME-Version: 1.0  
Received: by 10.60.172.233 with SMTP id  
bf9mr12580711oec.99.1350402533819;  
Tue, 16 Oct 2012 08:48:53 -0700 (PDT)  
Received: by 10.182.237.201 with HTTP; Tue, 16 Oct 2012 08:48:53 -0700 (PDT)  
In-Reply-To:  
<CA+ZXoSku3b\_+CNAP8Lqr37AeJk1q=g9pK50MCSeSkPYSZXe1A@mail.gmail.com>  
References:

<CA+ZXoSJEJWbwVasgV3ORLnTDYpPPqDx-w3pcEePGRQ1hwxZe9g@mail.gmail.com>  
<CAK95kz2\_yeYZ9O6-x8B7n7UfLd71Zc4nwNnnRStoOZ89kHk\_OA@mail.gmail.com>  
<507D76E8.4020905@noaa.gov>  
<CA+ZXoSku3b\_+CNAP8Lqr37AeJk1q=g9pK50MCSeSkPYSZXe1A@mail.gmail.com>

Date: Tue, 16 Oct 2012 11:48:53 -0400

Message-ID:

<CACz524PzgNZMM9f6YZV1Hnqs8O=3FsdMzHGKT2V9ZM0FP6\_xDw@mail.gmail.com>

Subject: Re: letter re: Haida deployments

From: Steve Piotrowicz <steve.piotrowicz@noaa.gov>

To: Rick Lumpkin <rick.lumpkin@noaa.gov>

Cc: Candyce Clark <candyce.clark@noaa.gov>, Shaun Dolk <shaun.dolk@noaa.gov>

Content-Type: multipart/mixed; boundary=bcaec54ee3105504a004cc2f17e5

X-Gm-Message-State:

ALoCoQnxtEtFBEBNHpD8Dw6Fp2yI1LkBBZvpPgZ/05R478qJIn/V+YeO1gG6wkZmVKWQe4  
1nr1bb

X-pstn-neptune: 0/0/0.00/0

X-pstn-levels: (S:99.90000/99.90000 CV:99.9000 FC:95.5390 LC:95.5390

R:95.9108 P:95.9108 M:90.4903 C:99.5902 )

X-pstn-dkim: 0 skipped:not-enabled

X-pstn-settings: 1 (0.1500:0.0015) cv GT3 gt2 gt1 r p m c

X-pstn-addresses: from <steve.piotrowicz@noaa.gov> [db-null]

X-pstn-nxpr: disp=neutral, envrcpt=rick.lumpkin@noaa.gov

X-pstn-nxp: bodyHash=96c7770d2b19ba82b14bfc78bc5be17ef7d077ba,  
headerHash=6505eb4f9b9a7598cf04176bf70c73de6479370e, keyName=4,  
rcptHash=9ed437bb2697b93b6e27fc1698c05229f9e0ed45,  
sourceip=74.125.149.207, version=1

--bcaec54ee3105504a004cc2f17e5

Content-Type: multipart/alternative;

boundary=bcaec54ee31055049c04cc2f17e3

--bcaec54ee31055049c04cc2f17e3

Content-Type: text/plain; charset=ISO-8859-1

Rick,

Candyce and I just went through your draft and have some suggestions attached. I like her flow and desire to not rely on third-party information.

Please take a look and see what you think.

Thank you,  
Steve

On Tue, Oct 16, 2012 at 11:05 AM, Rick Lumpkin <rick.lumpkin@noaa.gov> wrote:

> Revised letter attached.

>  
> On Tue, Oct 16, 2012 at 11:02 AM, Rick.Lumpkin@noaa.gov <  
> rick.lumpkin@noaa.gov> wrote:  
>  
>> Hi Candyce,  
>>  
>> I based "illegal" on the Guardian article at  
>> [http://www.guardian.co.uk/\\*\\*environment/2012/oct/15/\\*\\*](http://www.guardian.co.uk/**environment/2012/oct/15/**)  
>>  
>> [pacific-iron-fertilisation-geoengineering](http://www.guardian.co.uk/environment/2012/oct/15/pacific-iron-fertilisation-geoengineering)<<http://www.guardian.co.uk/environment/2012/oct/15/pacific-iron-fertilisation-geoengineering>>  
>>  
>> Specifically, the dump violated "international moratoria". The word  
>> "illegal" may be not precise here. I had better rewrite it and resend  
>> it  
>> to you all.  
>>  
>> Regards,  
>> Rick  
>>  
>>  
>> On 10/16/2012 10:55 AM, Candyce Clark wrote:  
>>  
>>> THANKS SO MUCH, GUYS!  
>>>  
>>> question: do we absolutely know the dump was illegal?  
>>>  
>>> On Tue, Oct 16, 2012 at 10:44 AM, Rick Lumpkin  
>>> <[rick.lumpkin@noaa.gov](mailto:rick.lumpkin@noaa.gov)<[mailto:](mailto:rick.lumpkin@noaa.gov)  
>>> [rick.lumpkin@noaa.gov](mailto:rick.lumpkin@noaa.gov)>\*> wrote:  
>>>  
>>> Dear Steve and Candyce,  
>>>  
>>> Attached is a letter noting that we (the GDP) had no prior  
>>> knowledge of the illegal dump conducted by the Haida Corporation,  
>>> and putting those 20 deployments in the context of our worldwide  
>>> operations with dozens of national and international partners. I  
>>> hope this is helpful for internal NOAA interactions regarding this  
>>> event. Please let me know if I can assist further.  
>>>  
>>> Best regards,  
>>> Rick  
>>>  
>>>  
>>>  
>>  
>

--  
Stephen R. Piotrowicz  
Oceanographer

NOAA/OAR/CPO/COD  
Silver Spring, MD USA 20910  
Tel.: (+1) 301-427-2493

--bcaec54ee31055049c04cc2f17e3  
Content-Type: text/html; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

Rick,<br><br>Candyce and I just went through your draft and have some suggestions attached. I like her flow and desire to not rely on third-party information.<br><br>Please take a look and see what you think.<br><br>Thank

you,<br>  
Steve<br><br><div class="gmail\_quote">On Tue, Oct 16, 2012 at 11:05 AM, R=

ick Lumpkin <span dir="ltr">&lt;<a href="mailto:rick.lumpkin@noaa.gov" target="\_blank">rick.lumpkin@noaa.gov</a>&gt;</span>

wrote:<br><blockquote class="gmail\_quote" style="margin:0 0 0 .8ex;border-left:1px #ccc solid; padding-left:1ex">

Revised letter attached.<br><br><div class="gmail\_quote">On Tue, Oct 16, =

2012 at 11:02 AM, <a href="mailto:Rick.Lumpkin@noaa.gov" target="\_blank" =

mpkin@noaa.gov" target="\_blank">rick.lumpkin@noaa.gov</a>&gt;</span>  
wrote:  
e:<br>

<blockquote class="gmail\_quote" style="margin:0 0 0 .8ex;border-left:1px =  
x #ccc solid;padding-left:1ex">Hi Candyce,<br>

<br>  
I based &quot;illegal&quot; on the Guardian article at<br>

<a href="http://www.guardian.co.uk/environment/2012/oct/15/pacific-iron-f=

ertilisation-geoengineering"

target="mailto:rick.lu=

></u>environment/2012/oct/15/<u></u>pacific-iron-fertilisation-<u></u>

geoen=  
gineering</a><br>

<br>

Specifically, the dump violated &quot;international moratoria&quot;.  
=A0The=

word &quot;illegal&quot; may be not precise here. =A0 I had better rewrite=

it and resend it to you all.<br>

<br>

=A0 =A0 Regards,<br>

=A0 =A0 Rick<div><br>

<br>

On 10/16/2012 10:55 AM, Candyce Clark wrote:<br>

</div><blockquote class=3D"gmail\_quote" style=3D"margin:0 0 0 .8ex;border-l=

eft:1px #ccc solid;padding-left:1ex"><div>

THANKS SO MUCH, GUYS!<br>

<br>

question: =A0do we absolutely know the dump was illegal?<br>

<br></div><div>

On Tue, Oct 16, 2012 at 10:44 AM, Rick Lumpkin <

&lt;mailto:<a =

href=3D"mailto:rick.lumpkin@noaa.gov"

target=3D"\_blank">rick.lumpkin@noaa.g=

ov</a>&gt;<u></u>&gt; wrote:<br>

<br>

=A0 =A0 Dear Steve and Candyce,<br>

<br>

=A0 =A0 Attached is a letter noting that we (the GDP) had no prior<br>

=A0 =A0 knowledge of the illegal dump conducted by the Haida Corporation,<br>

=A0 =A0 and putting those 20 deployments in the context of our worldwide<br>

=A0 =A0 operations with dozens of national and international partners.

=A0I=

<br>

=A0 =A0 hope this is helpful for internal NOAA interactions regarding this<br>

=A0 =A0 event. =A0Please let me know if I can assist further.<br>

<br>

=A0 =A0 Best regards,<br>

=A0 =A0 =A0 Rick<br>

<br>

<br>

</div></blockquote>

<br>

</blockquote></div><br>

</blockquote></div><br><br clear=3D"all"><br>-- <br>Stephen R.

Piotrowicz<b=

r>Oceanographer<br>NOAA/OAR/CPO/COD<br>Silver Spring, MD=A0 USA=A0=A0  
20910=

<br>Tel.: =A0 (+1) 301-427-2493<br><br>

--bcaec54ee31055049c04cc2f17e3--

--bcaec54ee3105504a004cc2f17e5

Content-Type: application/msword; name="Haida corporation.doc"

Content-Disposition: attachment; filename="Haida corporation.doc"  
Content-Transfer-Encoding: base64  
X-Attachment-Id: f\_h8d6slyx1

0M8R4KGxGuEAAAAAAAAAAAAAAAAAAAAAPgADAP7/CQAGAAAAAAAAAAAAAAAAABAAAAKwAAAA  
AAAAAA  
EAAALQAAAAEAAAD+////AAAAACoAAD////////////////////////////////////  
//////  
////////////////////////////////////  
//////  
////////////////////////////////////  
//////  
////////////////////////////////////  
//////  
////////////////////////////////////  
//////  
////////////////////////////////////  
//////  
////////////////////////////////////  
//////  
////////////////////////////////////  
//////  
////////////////////////////////////  
//////  
////////////////////////////////////  
//////s  
pcEAE8AJBAAA8BK/AAAAAAAAEAAAAAACAAABBAAAA4AYmpiakJyQnIAAAAAAAAAAAAA  
AAAAAA  
AAAJBBYANBYAACAYAQAQAgGAEABAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAD//w  
8AAAAA  
AAAAAAD//w8AAAAAAAAAAD//w8AAAAAAAAAAAAAAAAAAAAAAAAALcAAAAAAKoGAAAAAAAAqg  
YAAPIT  
AAAAAAAA8hMAAAAAADyEwAAAAAAPITAAAAAAA8hMAABQAAAAAAAAAAAAAP///8AAA  
AABhQA  
AAAAAAGFAAAAAAAAYUAAAAAABhQAAAwAAAAAFAAADAAAAAYUAAAAAAA2BYAAIYBAA  
AeFAAA  
KAAAAEYUAAAAAARhQAAAAAABGFAAAAAAAEYUAAAAAAAIRUAAAAAAAhFQAAAAAAC  
EVA  
AAAAVxYAAAIAAABZFgAAAAAAfkwAAAAAAAWRYAAAAAABZFgAAAAAAfkwAAAAAAWR  
YAACQA  
AABeGAAAsgIAABAbAABGAAAAfRYAABUAAAAAAAAAAAAAAAAAAAAAAAAA8hMAAAAAAhFQ  
AAAAAA  
AAAAAAAAAAAAAAAAAAAAAAhFQAAAAAAACEVAAAAAAAIRUAAAAAAAhFQAAAAAAH0WAA  
AAAAAA  
AAAAAAAAAADyEwAAAAAAPITAAAAAARhQAAAAAAAAAAAAAAAAAAEYUAADbAAAAkhYAAB  
YAAAAX  
FgAAAAAABcWAAAAAAAFxYAAAAAAAhFQAAOgAAAPITAAAAAARhQAAAAAADyEwAAAA  
AAAEYU  
AAAAAAAVxYAAAAAAAAAAAAAAAAAABcWAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
AAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAIRUAAAAAABXFgAAAAAAAFxYAAAAAA  
AAAAAA  
AAAAAABcWAA  
AAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAFxYAAAAAABGFAAAAAAAP///8AAAAAYI  
gMF7Wr



cGxveSBkcmlmdGluZyBidW95cyB3aXRoIGJhcm9tZXR1cnMgdG8gaW1wcm92ZSB3ZWF0aG  
VyIGZv  
cmVjYXN0aW5nIGVmZm9ydHMgaW4gYSByZWdpb24gd2hlcmUgZmV3IHN1Y2ggb2JzZXJ2YX  
Rpb25z  
IGFyZSBwcmVzZW50bHkgYmVpbmcgbWFkZS4gdQ1UaGUgb2NlYW4gdGVtcGVyYXR1cmUsIG  
N1cnJl  
bnQgbWVhc3VyZW11bnRzLCBhbmQgYWlyIHByZXNzdXJlIG1lYXN1cmVtZW50cyBmcm9tIH  
RoZXNl  
IGRyaWZ0ZXJzIGFyZSBuZW50c3NhcncgdG8gYmV0dGVyIHVuZGVyc3RhbmQgb3VyIHBSY  
W5ldCBh  
bmQgcHJlZGljdCB3ZWF0aGVyIGFuZCBjbGltYXR1LiBBbGwgcVzdWx0aW5nIGRhdGEgYX  
JlIGF2  
YWlsYWJsZSBmcmVlbHkgYW5kIG9wZW5seSwgaW4gY29uY2VydCB3aXRoIE5PQUEgYW5kIF  
VTIGdv  
dmVybml1bnQgcG9saWN5LiAgRHVyaW5nIHRoZSBwZXJpb2QgSmFudWFyeSB0aHJvdWdoIF  
NlcHRl  
bWJlciAyMDEyLCB0aGUgR0RQIGNvb3JkaW5hdGVkIHRoZSBkZXBs3ltZW50IG9mIDg4NS  
Bkcmlm  
dGVycyB3b3JsZHpZGUsIGZyb20gZG96ZW5zIG9mIHZlc3NlbHMuICBUaGVzZSAgdm9sdW  
50YXJ5  
IGVmZm9ydHMgYXJlIGVzc2VudG1hbCBmb3IgdGhlIGdsb2JhbCBkaXN0cmliZXJpb24gb2  
YgdGhl  
c2UgZXNzZW50aW50aW50aW50aW50aW50aW50aW50aW50aW50aW50aW50aW50aW50aW50aW50  
V3ZWQg  
YXQ6DQ0gEYBIWVBFUkxJTksgImh0dHA6Ly93d3cuYW9tbC5ub2FhLmdvdi9waG9kL2RhYy  
9kZXBs  
b3l1ZC5odG1sIiAUaHR0cDovL3d3dy5hb21sLm5vYWEuZ292L3Bob2QvZGFjL2RlcGxveW  
VkLmh0  
bWwVDQ1UaGUgR0RQIHJvdXRpbmVseSB3b3JrcyB3aXRoIGRvemVucyBvZiBuYXRpb25hbC  
BhbmQg  
aW50ZXJvYXRpb25hbCBwYXJ0bmVycyB0byBtYWludGFpbiBhIGdsb2JhbCBhcnJhesBvZi  
BzYXRl  
bGxpdGUtdHJhY2t1ZCBkcmlmdGVycyBhdCBhIHJlc29sdXRpb24gb2YgYXBwcm94aW1hdG  
VseSA1  
sHg1uiwgdXNpbmcgbWVyY2hhbnQgYW5kIHJlc2VhcmNoIHN0aXAgcm9ldGVzIHRoYXQgZW  
5jb3Vy  
YWdlIGV2ZW4gZGlzdHJpYnV0aW9uLiBBIGxpc3Qgb2Ygc29tZSBvZiBvdXJlcGFydG5lcn  
MsIGFz  
IHdlbGwgYXMgbW9yZSBpbmZvcmlhdG1vbiBhYm91dCB0aGUgcmVzZ3JhbSwgY2FuIGJlIG  
ZvdW5k  
IGF0IAONEyBIWVBFUkxJTksgImh0dHA6Ly93d3cuYW9tbC5ub2FhLmdvdi9waG9kL2RhYy  
9nZHBf  
b2JqZW50aXZlc3VhY2IiBRodHRwOi8vd3d3LmFvbWwubm9hYS5nb3YvcGhvZC9kYWMvZ2  
RwX29i  
amVjdG12ZXMuGhwFSANDVROZSBHRFAgZG9lcYBub3QgcVjZW12ZSBmdW5kaW5nIHRvIG  
NoYXJ0  
ZXIgc2hpcCB0aW1lIGZvciB0aGVzZSBkZXBs3ltZW50cywgYnV0IG1lc3QgaW5zdGVhZC  
ByZWx5  
IG9uIHZvbHVudGVlcnMgd2hvIG9mZmVyIHRvIGRlcGxveSB0aGUgaW5zdHJ1bWVudHMgZm  
9yIHVz  
LiBUaHVzLCB3aGVuIHdlIHdlcmUgYXBwcm9hY2hlZCBieSB0aGUgSGFpZGEgQ29ycG9yYX  
Rpb24g







sMAADYGAAyBgAAGAAAAMADAADQAwAA4AMAAPADAAAABAAAEQAACAEAAAwBAAAQAQAAF  
AEAAABg  
BAAAcAQAAIAEAACQBAAAwAMAANADAADgAwAA8AMAAAAEAAAQBAAAMgYAACgCAADYAQAA6A  
EAACAE  
AAAwBAAAQAQAAF AEAAABgBAAAcAQAAIAEAACQBAAAwAMAANADAADgAwAA8AMAAAAEAAAQBA  
AAIAQA  
ADAEABABAAAUQAAGAEABwBAAAgAQAAJAEADAAwAA0AMAAOADAADwAwAAAAQAABAEAA  
AgBAAA  
MAQAAEAEABQBAAAYQAHAHEAACABAAAKQAAMADAADQAwAA4AMAAPADAAAABAAAEQAAC  
AEAAAw  
BAAAQAQAAF AEAAABgBAAAcAQAAIAEAACQBAAAwAMAANADAADgAwAA8AMAAAAEAAAQBAAIA  
QAADAE  
AABABAAAUQAAGAEABwBAAAgAQAAJAEADAAwAA0AMAAOADAADwAwAAAAQAABAEAAAgBA  
AAMAQA  
AEAEABQBAAAYQAHAHEAACABAAAKQAADgBAABYAQAA+AEAAAgCAAAyAgAAVgIAAH4CAA  
AYAAAA  
UEoDAF9IAQRtSAkEbkGJBHNICQR0SAkEAAAAAEAAAGDx/wIAQAAMEAAAtycJAAAAABgBOAG  
8AcgBt  
AGEAbAAAAIAAAAAYAENKGABfSAEEYUoYAG1ICQRzSAkEdEgJBAAAAAAAAAAAAAAAAAAAA  
AAAEQA  
QWDy/6EARAAMDQAAAAAABAAfGBEAGUAZgBhAHUAbAB0ACAAUABhAHIAyQBnAHIAyQBwAG  
gAIABG  
AG8AbgB0AAAAAABSAGkA8/+zAFIADA0AAAAAAAwBgwAVABhAGIAbABlACAATgBvAHIAbQ  
BhAGwA  
AAAcABf2AwAANNYGAAEKA2wANNYGAAEFwAAyfyDAAACAAAsAAAAoAGsg9P/BACgAAA0AAA  
AAAAAw  
BgCATgBvACAATABpAHMAAdAAAAIAADAAAAAAVgD+b/H/8gBWAawAAABSJ9wAAAAHAEQAZQ  
BmAGEA  
dQBsAHQAAAALAA8ANyQAOCQASCQAACEAQioBQ0oYAF9IAQRhShgAbUgJBHBoAAAAAHNICQ  
R0SAkE  
ADYAVUDy/wEBNgAMDAAUifcADAGCQBIAHkAcABlAHIAbABpAG4AawAAAAwAPioBQioAcG  
gAAP8A  
SACZQAEAEgFIAAwNEgDlF+AAMAYMAEIAyQBsAGwAbwBvAG4AIABUAGUAeAB0AAAAAgARAB  
QAQ0oQ  
AE9KBABRSgQAXkoEAGFKAEBOAP4v8v8hAU4ADAERAOUX4AAwBhEAQgBhAGwAbABvAG8Abg  
AgAFQA  
ZQB4AHQAIABDAGgAYQByAAAAFABDShAAT0oEAFFKBABeSgQAYUoQAFBLawQUAAYACAAAAC  
EA6d4P  
v/8AAAAcAgAAEwAAAFtDb250ZW50X1R5cGVzXS54bWyskctOwzAQRfdI/IP1LUqcskAIJe  
mCx47H  
onzAyJkkFsnYsqdV+/dM0lRCqCAWbCzZM/eeO+NyvR8HtcOYnKdKr/JCKyTrG0ddpd83T9  
mtVomB  
Ghg8YaUPmPS6vrwoN4eASYmaUqV75nBnTLI9jPByH5Ck0vo4Ass1diaA/YAOzXVR3BjriZ  
E448lD  
1+UDtrAdWD3u5fmYJOKQtLo/Nk6sSkMIg7PAktTsqPlGyRZCLsq5J/UupCuJoc1ZwlT5Gb  
DoXmU1  
0TWO3iDyC4wSw7AMiV/PZyAZLea/O56J7NvWWWy83Y6yjnW2XsxOwf8UYPU/6BPTzH9bFw  
IAAP//  
AwBQSwMEFAAGAAgAAAAhAKXWp+fAAAAANgEAAAsAAABfcmVscy8ucmVsc4SPz2rDMAyH74  
W9g9F9  
UdLDGCV2L6WQQy+jfQDhKH9oIhvbG+vbT8cGCrsIhKtV96k9/q6L+eGU5yAWmqoGw+JDP8  
to4XY9

v3+CyYWkpyUIW3hwhqN727VfvFDROzzNMRulSLYwLRIPiNlPvFKuQmTRyRDSSkXbNGIkf6  
eRcV/X  
H5ieGeA2TNP1F1LXN2Cuj6jJ/7PDMMyeT8F/ryz1RQRuN5RMaeRioagv4109kKh1qtQe0L  
W4+db9  
AQAA//8DAFBLAwQUAAYACAAAACEAa3mWFoMAAACKAAAAHAAAAHROzW11L3RoZW11L3RoZW  
11TWFu  
YWdlci54bWwMzE0KwyAQQOF9oXeQ2TdjuyhFYrLLrrv2AEOcGkHHoNKf29f144M3zt8U1Z  
tLDVks  
nAcNimXNLoi38Hwspxuo2kgcxSxs4ccV5ul4GMm0jRPfSchzUX0j1ZCFrbXdINa1K9Uh7y  
zdXrkk  
aj2LR1fo0/cp4kXrKyYKAjj9AQAA//8DAFBLAwQUAAYACAAAACEAlrWt4pYGAABQGwAAFG  
AAAHRO  
ZW11L3RoZW11L3RoZW11MS54bWzSWU9v2zYUvw/YdyB0b2MndhoHdYrYsZstTRvEboceaY  
mW2FCi  
QNJJfRva44ABw7phhxXYbYdhW4EW2KX7NNk6bB3Qr7BHUpLFWF6SNTiKrT4kEvnj+/8eH6  
mr1+7H  
DB0SIS1P2179cs1DJPF5QJOW7d0e9i+teUgqnASY8YS0vSmR3rWN99+7itdVRGKCYH0i13  
Hbi5RK  
15eWpA/DWF7mKUlgbsxFjBW8inApEPgI6MZsabllWW12KMU08lOAYyN4aj6lP0FCT9DZy4j  
0Gr4mS  
esBnYqBJE2eFwQYHdY2QU911Ah1i1vaAT8CPhuS+8hDDUsFE26uZn7e0cXUJr2eLmFqwtr  
Sub37Z  
umxBcLBseIpwVDct9xutK1sFfQNgah7X6/W6vXpBzwcw74OmVpYyzUZ/rd7JaZZA9nGedr  
fWrDvc  
fIn+ypzMrU6n02x1sl1iBmQfG3P4tdpqY3PZwRuQxTfn8I3OZre76uANyOJX5/D9K63Vho  
s3oIjR  
5GAOrR3a72fUC8iYs+1K+BrA12ozfIaCaCiis7MY80QtirUY3+OidWANZFjRBklpSsbYhy  
ju4ngk  
KNYM8DrBpRk75Mu5Ic0LSV/QVLW9D1MMGTGj9+r596+eP0XHD54dP/jp+OHD4wc/WkLOqm  
2chOVV  
L7/97M/HH6M/nn7z8tEX1XhZxv/6wye//Px5NRDSZybOiy+f/PbsyYuvPv39u0cV8E2BR2  
X4kMZE  
opvkCO3zGBQzVnElJyNvxhXDCNPyis0klDjBmksF/Z6KHPTNKWazdxw5OsS14B0B5aMKeh  
lyzxF4  
EImJohWcd6LYAe5yzjpcVFphR/MqmXk4ScJq5mJSxuljffjFu4sTx7+9SQp1Mw9LR/FuRB  
wx9xhO  
FA5JQhTSc/yAkArt71Lq2HWX+oJLPlboLkUdTCtNMqQjJ5pmi7ZpDH6ZVukM/nZss3sHdT  
ir0nqL  
HLpIyArMKoQfEuaY8TqeKBxXkRzimJUNfgOrqErIwVT4ZVxPKvB0SBhHvYBIWbXm1gB9S0  
7fwVCx  
Kt2+y6axixSKH1TRvIE5LyO3+EE3wnFahR3QJcPjP5AHEKIY7XFVBd/lbobod/ADTha6+w  
4ljrtP  
rwa3aeiINAsQPTMR2pdQqp0KHNPk78oxo1CPbQxcXDmGAvji68cVkfW2FuJN2JOqMmH7RP  
ldhDtZ  
dLtcBPTtr7lbeJLsEQjz+Y3nXcl9V3K9/3zJXZTPZy20s9oKZVf3DbYpNi1yvLBDH1PGBm  
rKyA1p  
mmQJ+0TQh0G9zpwOSXFiSiN4zOq6gwsFNmuQ4OojqqJBhFNosOueJhLKjHQoUcolHOzMcC  
VtjYcm  
XdljYVMfGGw9kFjt8sAOr+jh/FxQkDG7TWgOnzmjFU3grMxWrmREQe3XYVbXQp2ZW92IZk  
qdw61Q  
GXw4rxoMftaEBgRB2wJWxoXzuWYNBxPMSKDtbfve3C3GCxfpIhnhgGQ+0nrP+6hunJThir  
kJgNip



















/v///xsAAAAcAAAAHQAAAB4AAAAfAAAAIAAAACEAAD+///IwAAACQAAAA1AAAAJgAAAC  
cAAAAo  
AAAAKQAAAP7///9///LAAAP7///+///v////////////////////////////////////  
/////

////////////////////////////////////  
/////

////////////////////////////////////  
/////

////////////////////////////////////  
/////

////////////////////////////////////  
/////

////////////////////////////////////  
/////

////////////////////////////////////  
/////

////////////////////////////////////  
/////

////////////////////////////////////  
/////

////////////////////////////////////  
/////

////////////////////////////////////  
/////

////////////////////////////////////1IAbwBvAHQAIABFAG4AdABYAHkAAAAAAAAAAAAAAAAAAAA  
AAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAWAAUB////////8DAAAABgkCAAAAADAAAAAAAAARg  
AAAAA  
AAAAAAAAACB0Hxe1q80BLgAAAIAAAAAAAAAAMQBUAGEAYgBsAGUAAAAAAAAAAAAAAAA  
AAAAA  
AA4AAgH////BQAAAP////8AAA  
AAAAA  
AAAMAAAVhsAAAAAABXAG8AcgBkAEQAbw  
BjAHUA  
bQB1AG4AdAAGgACAQ  
EAAAD/  
////////wAAA0FgAAAA  
AAAAUA  
UwB1AG0AbQBhAHIAeQBJAG4AZgBvAHIAbQBhAHQAaQBvAG4AAAAAAAAAAAAAAAAAAAA  
AAAAA  
AAAAAAoAAIBAgaAAAQAAAD////AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
AAAAA  
GgAAAAQAAAAAAAAABQBEAG8AYwB1AG0AZQBvAHQAuWb1AG0AbQBhAHIAeQBJAG4AZgBvAH  
IAbQBh  
AHQAaQBvAG4AAAAAAAAAAAAADgAAgH////////8AAAAAAAAAAAAAAAAAAAA  
AAAAA  
AAAAAAAAAAAAAAAAAAAAiAAAABAAAAAAAAABAEMAbwBtAHAATwBiAGoAAAAAAAAAAAA  
AAAAA  
AAAEgACAP////////wAAAA  
AAAAA  
AAByAAAAAAAAAAAAAAAAAAAA  
AAAAA  
AA//  
/////

////////AA  
AAAAA  
AA  
AAAAA  
AAAAAAAAAAD////////8AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
AAAAA  
AAAAAAAAAAAAABAAA/v////////  
/////

