

WORKPLAN UPDATE

12:30 3 JUN 2011

**Exemption (b)(6)**

LARRY EVANS

DANNY PAGAN ROSA

1. SEE NOTES ATTACHED.

1	Description	Who	Notes
2	Section 106 NHPA		
3	Phase 1A Historic literature research se:	PREPA	Provided
4	Sites of concern from Phase 1A		
5	Corps develop recommendation	Corps	Exemption (b)(6) sent SOW Pasa del Indio & El Platanje
6	Survey sites to find boundary	PREPA	[to SHPO. PREPA also proposing Phase II for
7	Move alignment or mitigation plan	PREPA	[warehouse. Will send plan to David by 31st.
8	If mitigation plan: MOU:	All	
9	MOA if site found during construction		PREPA & SHPO drafting similar to last pipeline.
10			
11	Phase 1B survey report		
12	Spanish version	PREPA	Provided.
13	Technical assistance w/ Shpo	SHPO	They are reviewing. PREPA meet next week
14	English version	PREPA	Uploaded to Corps ftp site 9pm 1 June
15			
16	Adequacy of surveys	Corps	to be determined w/SHPO coordination & site visits
17	Sites of concern from Phase 1B		
18	Corps develop recommendation	Corps	pending report review
19	Survey sites to find boundary	PREPA	[PREPA to provide letters provided all avail info
20	Move alignment or mitigation plan	PREPA	[ from Instituto Puerto Rico Cultural
21	If mitigation plan: MOU:	All	[ from various municipalities' archeologists
22			[ETA 31st
23	Section 7 ESA FWS		
24	Biological Assessment		
25	Applicant's draft	PREPA	Done.
26	Technical Assistance w/ FWS	FWS	FWS provided letter + verbal in 2 Jun mtg.
27	Completeness and alternatives	Corps	
28	Align with PR-10 out of mitigation		Site visit determines not in mitigation area nor
29	[in Bosque Rio Bajo.		[habitat for hawks nor parrot
30	Plant conservation recommendation		
31	2 Alts around Nightjar habitat		Survey w/ FWS 6 Jun of alternate by landfill
32			
33	Manati karst		No significant comments from site visit
34	Meeting w/ FWS	FWS	[next mtg 8 June in San Juan after PDT mtg to
35	Applicant's revision	PREPA	[narrow list of plants for which protocols needed.
36	Initiate Consultation	Corps	[Corps meet w/ L Evans next week to identify
37	Biological Opinion	FWS	[needs to revise BA.
38			
39	Section 7 ESA NMFS		
40	Biological Assessment		
41	Applicant's draft	PREPA	Provided
42	Completeness	Corps	
43	More info on Levittown (lighting night operations, runoff to corals)		
44	Erosion / work pads		PREPA provided info on core borings and HDD.
45	Fracout		Corps review this. Obtaining assist from others in
46			[Corps to review. Also reviewing erosion plan.
47			
48	Levittown turtle nesting location		Exemption (b)(6) visiting site next week. PREPA adding
49			[MHHW line to plan views.
50	Turle nesting during construction		[PREPA to get protocol from Arecibo project and
51			[see if appropriate for this project
52	EFH NMFS		
53	EFH BA		
54	Applicant's draft	PREPA	Provided
55	Completeness	Corps	

1	Description	Who	Notes
56	More info on Levitown (how affect water column)		
57	Erosion / work pads		PREPA will provide more info as needed.
58	Fracout		Corps obtain tech assist / make determination
59			PREPA notes much sediment flow in Bayamon [already and this project has plan to control its runoff, and potential is small in comparison.
60	FHWA		PREPA met DOT/FHWA 17 May to coordinate.
61	ROW and Work Plan		
62	CADD align& work plan to DOT	PREPA	Blueprints provided.
63	Review	DOT	Site visit PR10 done, identified concrete cap
64	Review	FHWA	
65	Revised alignment	PREPA	
66	Incorporate/coordinate permit review	Corps	Will confirm with FHWA the NEPA doc is sufficient [with Carlos Machado
67			
68			
69	Utility (work plan) & Policy (no build in ROW) Agreements		
70	Draft with DOT	PREPA	Utility Agreement being revised
71	Review	FHWA	
72	Finalized after NEPA done	FHWA	Corps
73			
74	Project Purpose & Need		
75	Letter on Supply	PREPA	Provided
76	Number of ships vs. BO	FWS	Provided (Corps get copy of BO)
77	Undrestand EPA noncompliance	PREPA	Provided in Chapter 6
78	Stub outs	PREPA	Affirmed no plans, contracts, or other
79			
80	Alternative Analysis		
81	Applicant's draft	PREPA	Provided.
82	Completeness	Corps	
83	Alignment C appears more wetland impact		Corps will study (e.g., NWP MFRs) and draft
84	Add aquatic resource to DIA criteria		[with info in application package, however PREPA
85	East West Alternatives		[provide info as needed from drafting. L Evans
86	Align with PR-22		[submitted via ftp plans for Valve station fills.
87			[notes total 1.15ac permanent fill
88	Describe constraints on houses, infrastructure, utilities, etc. stated at PDT		
89	Follow karst foothills		
90	Describe if practicable whyt not follow valleys like in some parts of alingment		
91	Manati why in the river bottom vs. along edge		
92	Copeco/oil dam		PREPA may be adjusting. Site visit next week
93			[w/ FHWA on co-location in fuel line tunnel.
94			
95	North South Alternatives		
96	Align with PR-10 vs Rio Arciboriver bottom Arcibo		
97	EcoElectrica: follow access road or pipe racks. PREPA finalizing design of piperack		
98	Barges at north power plants		
99	Compare DIA ships to PREPA's FRSU's	PREPA	affirmed same as ship & bouy in DIA but
100	Draft of San Juan Harbor		[is preparing analysis and letter.
101	Optional size of ships		
102	Applicant Revision	PREPA	
103			
104	Mitigation		
105	Applicant Draft Proposal	PREPA	
106	Completeness	Corps	Corps letter said not sufficient.

1	Description	Who	Notes
107	Direct and Indirect Impacts		
108	Quantification impacts	PREPA	
109	Work Area drawings		Wetland impact maps with overlay of work
110	Access Roads		[areas stream crossing and wetlands ETA today.
111	HDD pull-out areas		[Yousef Garcia will contact to transmit GIS files.
112	Stream crossing types		[PREPA states all access through existing roads.
113	Shoreline armoring		
114	Stream mapping/id		
115	Wetland mapping/id		
116	Qualification of impacts	Joing	
117	Functional Assess Index		Corps identified 20 sites to visit, will use scoring
118	Identification of polygons		[matrix from UMAM, field team asked to report
119	Reference sites		[(1) existing condition (2) projected condition after
120	Interagency field work		[topsoil replaced and naturally re-grow (3) if #2 not
121			[same as #1, to identify actions such as planting
122			[that restores site and score expected success.
123			[Site Visits 2, 3, 6 and 7 June to start effort.
124			First visit 2 & 3 June, false start one site due to
			[property posted as private, need to coordinate
			[permissions.
125	Identification of mitigation		Tue afternoon 7 June Corps will evaluate reports
126			[up to that point to evaluate to-date, goal is to
127			[how much is mitigated on-site before exploring
128			[the applicant's conceptual Cano Tiburones sites.
129			[Will report out 8 June at PDT meeting.
130	Cano Tiburones site		L. Evans provided conceptual mitig plan 20 May.
			[Inesta Diaz (sp?) will be DNR rep. Met with Secy
			[of Agric, owner of property, who supports this.
			Exemption (b)(6) visit Thurs next week.
131	Applicant Revised Plan	PREPA	L. Evans will revise plan based on 8 June findings.
132			[PREPA will confirm post-construction maintained
133			[ROW in wetlands will be not be mowed.
134			
135	Corps completeness review	Corps	
136			
137	JD		
138	Submit JD package	PREPA	says already provided 15 April.
139	Spot verifies	Corps	Corps identified some spot check locations, some
140	Readjust line as needed	PREPA	[are among the 20 priority ones visiting for mitig
141	Readjust impacts (for above)	PREPA	[and rest scheduled later.
142	Preliminary JDs	Corps	
143	Approved JDs	n.a.	Affirmed will be preliminaries.
144			
145	Cumulative Impact Analysis		
146	Define scope of analysis	Corps	
147	Land cover/land use mapping		
148			
149	Public Interest - Safety		
150	Letter stating meets standards	PHMSA	Populated areas 300' easement to protect pipe
151	Why 150' vs 50' vs 0'	PREPA	PREPA will provide study by Mark Stephens of
152			[accidents vs fatalities vs distance used to inform
153	Federal Projects		[setback.
154	Barceloneta (how close levee)		
155	Rio la Plata		

1	Description	Who	Notes
156	Rio Grande Arecibo (channel)		
157	Hondo (e of Levittown)		
158	Letter from sponsor	PREPA	Letter signed 20 May. Ltr rec'd without enclosures
159			[so Corps utilizing advance package provided.
160	Internal Corps coordination	Corps	Internal staff met 3 June, no report yet of needs.
161			
162	Other federal lands		
163	Contacted entities	Corps	Bob will look for letter from RE on concerns
164	Corps Real Estate	Corps	Any RE action for construction or maint ROW?
165			
166	Decision for Public Hearing		
167	Review tapes	Corps	PREPA preparing summary of comments
168	Description protocol for hearings	PREPA	Is preparing.
169	Decision	Corps	PREPA preparing summary of comments sent to
170			[Corps and how comments addressed in DIA and
171	Decision Document		[also will annotate if individual commented on DIA
172	Draft MFR		Starting to write. L.Evans offered to contribute: no.
173	404q process w/ FWS	Corps	
174	Coordinate Draft EA with FHWA	FHWA	
175	Coordinate Draft EA with PHMSA	PHMSA	Corps has mtg PHMSA, 6 June to coordinate.
176	Publish Draft EA	Corps	
177	CZM	PREPA	Provided (?)
178	WQC	PREPA	
179			
180	<p>"Note": This work plan and its notes are based on the Corps's understanding of the administrative record as of the date of the work plan. The purpose of the work plan is to communicate the status of the Corps's review of the permit application. The work plan and its notes may be revised as the Corps conducts its review of the record or as new information is made available to the Corps.</p>		
181			
182	<p>Point of contact: <b>Exemption (b)(6)</b> Regulatory Division, Jacksonville District, U.S. Army Corps of Engineers, P.O. Box 4970, Jacksonville, FL, 32232, email: <b>Exemption (b)(6)</b></p>		

1	Description	Who	Notes
2	<b>Section 106 NHPA</b>		
3	Phase 1A Historic literature research se:	PREPA	Provided
4	Sites of concern from Phase 1A		✓ 1B APPROVED 1 JUN 9:46pm
5	Corps develop recommendation	Corps	Exemption (b)(6) sent SOW Pasa del Indio & El Platanje
6	Survey sites to find boundary	PREPA	[to SHPO. PREPA also proposing Phase II for
7	Move alignment or mitigation plan	PREPA	[warehouse. Will send plan to [redacted] by 31st.
8	If mitigation plan: MOU:	All	CORPS own consult
9	MOA if site found during construction		PREPA & SHPO drafting similar to last pipeline.
10			
11	<b>Phase 1B survey report</b>		
12	Spanish version	PREPA	Provided.
13	Technical assistance w/ Shpo	SHPO	They are reviewing. PREPA meet next week
14	English version	PREPA	ETA 27-28 May. Bob Barron send ftp and overnight
15			[addresses for electronic/hardcopy.
16	Adequacy of surveys	Corps	to be determined w/SHPO coordination & site visits
17	<b>Sites of concern from Phase 1B</b>		
18	Corps develop recommendation	Corps	pending report review
19	Survey sites to find boundary	PREPA	[PREPA to provide letters provided all avail info
20	Move alignment or mitigation plan	PREPA	[ from Instituto Puerto Rico Cultural
21	If mitigation plan: MOU:	All	[ from various municipalities' archeologists
22			[ETA 31st
23	<b>Section 7 ESA FWS</b>		
24	<b>Biological Assessment</b>		
25	Applicant's draft	PREPA	Provided.
26	Technical Assistance w/ FWS	FWS	FWS provided detailed letter.
27	Completeness and alternatives	Corps	
28	Align with PR-10 out of mitigation		Site visit determines not in mitigation area nor
29	[in Bosque Rio Bajo.		[habitat for hawks nor parrot
30	Plant conservation recommendation		
31	2 Alts around Nightjar habitat		East alternative: reservation on haz mat'l
32			
33	Manati karst		No significant comments from site visit
34	Meeting w/ FWS	FWS	[next mtg 2 June in Boqueron office.
35	Applicant's revision	PREPA	
36	Initiate Consultation	Corps	- SITE VISIT ON MONDAY
37	Biological Opinion	FWS	- 8TH <del>WAS</del> NARROW ON PLANTS & BA. - VARIOUS SHAPEFILES TO FWS BY 8TH - PREPA will be addressing in FWS's LETTERS.
38			
39	<b>Section 7 ESA NMFS</b>		
40	<b>Biological Assessment</b>		
41	Applicant's draft	PREPA	Provided
42	Completeness	Corps	[redacted] MITIG SITE THU
43	More info on Levittown (lighting night operations, runoff to corals)		
44	Erosion / work pads	PREPA	PREPA provided info on core borings and HDD. → INESTO DIAZ WILL BE DIRT
45	Fracout	Corps	Corps review this and submittals on fracout and [erosion control plan. → NO Mount <del>in</del> <del>at</del> <del>the</del> stream / near stream
46			
47			
48	Levittown turtle nesting report		Site visit 25 May: work area outside of beach, [PREPA get protocol from Arecibo project and
49			[send as template for this project, protocol is if
50			[turtle nests during operations
51			→ will add near high higher water level plan views
52	<b>EFH NMFS</b>		
53	<b>EFH BA</b>		
54	Applicant's draft	PREPA	Provided
55	Completeness	Corps	

→ Via Bayam has lot of submittals already, etc.  
D R A F T (see "Note")

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56	More info on Levitown (how affect water column)		
57	Erosion / work pads		PREPA will provide more info as needed.
58	Fracout		[Corps obtain tech assist / make determination
59			
60	<b>FHWA</b>		<u>PREPA met DOT/FHWA 17 May to coordinate.</u>
61	ROW and Work Plan		
62	CADD align & work plan to DOT	PREPA	Blueprints provided. <i>connect cap identified</i>
63	Review	DOT	Site visit PR10 on 1 June, challenge on space for
64	Review	FHWA	[setback. <i>SOLUTION for PR 22 interview</i>
65	Revised alignment	PREPA	<i>by CARBO NEXT WEEK</i>
66	Incorporate/coordinate permit review	Corps	Will confirm with FHWA the NEPA doc is sufficient [with Carlos Machado (sp?)
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68			
69	Utility (work plan) & Policy (no build in ROW) Agreements		
70	Draft with DOT	PREPA	Utility Agreement being revised
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76	Number of ships vs. BO	FWS	Provided (Corps get copy of BO)
77	Undrestand EPA noncompliance	PREPA	Provided in Chapter 6
78	Stub outs	PREPA	Affirmed no plans, contracts, or other
79			
80	<b>Alternative Analysis</b>		<i>→ Penuellos - waiting for pipe approval</i>
81	Applicant's draft	PREPA	Provided. <i>ack</i>
82	Completeness	Corps	
83	Alignment C appears more wetland impact		<u>Corps will study (e.g., NWP MFRs) and draft</u>
84	Add aquatic resource to DIA criteria		[with info in application package, however PREPA
85	East West Alternatives		[provide info as needed from drafting. L Evans
86	Align with PR-22		[notes PIG stations w/ permanent fill pads. <i>→ need drawing</i>
87	Describe constraints on houses, infrastructure, utilities, etc. stated at PDT		<i>for MLV's</i>
88	Follow karst foothills		<i>INCLUDING</i>
89	Describe if practicable why not follow valleys like in some parts of alignment		<i>PIG'S OWNERS</i>
90	Manati why in the river bottom vs. along edge		<i>TOTAL ACR</i>
91	Copeco/oil dam	PREPA	PREPA may be adjusting. Site visit next week. <i>= 1.15 AC</i>
92			[advised FHWA considering colocate with existing <i>PERMITS PERM</i>
93			[fuel line tunnel + increase pipe wall to 0.625" <i>SITE VISIT NEXT week</i>
94	<b>North South Alternatives</b>		
95	Align with PR-10 vs Rio Arciboriver bottom Arcibo		
96	EcoElectrica: follow access road or pipe racks		
97	<b>Barges at north power plants</b>		
98	Compare DIA ships to PREPA's FRSU's	PREPA	PREPA affirmed same as ship & bouy in DIA but
99	Draft of San Juan Harbor		[is preparing analysis and letter.
100	Optional size of ships		
101	<b>Applicant Revision</b>	PREPA	
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104	Applicant Draft Proposal	PREPA	
105	Completeness	Corps	Corps letter said not sufficient.
106	<b>Direct and Indirect Impacts</b>		
107	Quantification impacts	PREPA	
108	Work Area drawings		Providing new set of drawings with overlay of work
109	Access Roads		[areas, access roads, HDD, stream crossing types

1	Description	Who	Notes
110	HDD pull-out areas		[and wetland types. Yousef Garcia will contact to
111	Stream crossing types		[also obtain as GIS files. ETA 27 May.
112	Shoreline armoring		<del>WETLAND</del> → IMPACT MAPS on wetlands BY TODAY
113	Stream mapping/id		→ access roads will use rusty roadways
114	Wetland mapping/id		
115	Qualification of impacts	Joing	
116	Functional Assess Index		Corps identified 20 sites to visit, will use scoring
117	Identification of polygons		[matrix from UMAM, field team asked to report
118	Reference sites		[(1) existing condition (2) projected condition after
119	Interagency field work		[topsoil replaced and naturally re-grow (3) if #2 not
120			[same as #1, to identify actions such as planting
121			[that restores site and score expected success.
122			[Site Visits 2, 3, 6 and 7 June
123			[Jorge Coll will join, L. Evans also.
124			[Tue afternoon 7 June Corps will evaluate reports
125			[up to that point to evaluate to-date, goal is to
126			[how much is mitigated on-site before exploring
127			[the applicant's conceptual Cano Tiburones sites.
128			[Will report out 8 June at PDT meeting.
129	Identification of mitigation		L. Evans provided conceptual mitig plan 20 May.
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131			[PREPA will confirm post-construction maintained
132			[ROW in wetlands will be not be mowed.
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134	Corps completeness review	Corps	
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136	JD		
137	Submit JD package	PREPA	says already provided 15 April.
138	Spot verifies	Corps	Corps identified some spot check locations, some
139	Readjust line as needed	PREPA	[are among the 20 priority ones visiting for mitig
140	Readjust impacts (for above)	PREPA	[and rest scheduled later.
141	Preliminary JDs	Corps	
142	Approved JDs	n.a.	Affirmed will be preliminaries.
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144	Cumulative Impact Analysis		
145	Define scope of analysis	Corps	
146	Land cover/land use mapping		
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148	Public Interest - Safety		
149	Letter stating meets standards	PHMSA	Populated areas 300' easement to protect pipe
150	Why 150' vs 50' vs 0'	PREPA	PREPA will provide study by Mark Stephens of
151			[accidents vs fatalities vs distance used to inform
152	Federal Projects		[setback.
153	Barceloneta (how close levee)		
154	Rio la Plata		
155	Rio Grande Arecibo (channel)		
156	Hondo (e of Levittown)		
157	Letter from sponsor	PREPA	Letter signed 20 May. Ltr rec'd without enclosures
158			[so Corps utilizing advance package provided.
159	Internal Corps coordination	Corps	Corps internal staff to perform review were on travel
160			[but initiated discussion 27 May
161	Other federal lands		
162	Contacted entities	Corps	Bob will look for letter from RE on concerns
163	Corps Real Estate	Corps	Any RE action for construction or maint ROW?



1	Description	Who	Notes
164			
165	Decision for Public Hearing		
166	Review tapes	Corps	PREPA preparing summary of comments
167	Description protocol for hearings	PREPA	Is preparing.
168	Decision	Corps	PREPA preparing summary of comments sent to
169			[Corps and how comments addressed in DIA and
170	Decision Document		[also will annotate if individual commented on DIA
171	Draft MFR	[REDACTED]	Starting to write. L.Evans offered to contribute: no.
172	404q process w/ FWS	Corps	
173	Coordinate Draft EA with FHWA	FHWA	
174	Coordinate Draft EA with PHMSA	PHMSA	Corps has mtg PHMSA, 6 June to coordinate.
175	Publish Draft EA	Corps	
176	CZM	PREPA	Provided (?)
177	WQC	PREPA	
178			
179	<p>"Note": This work plan and its notes are based on the Corps's understanding of the administrative record as of the date of the work plan. The purpose of the work plan is to communicate the status of the Corps's review of the permit application. The work plan and its notes may be revised as the Corps conducts its review of the record or as new information is made available to the Corps.</p>		
180			
181	<p>Point of contact: <b>Exemption (b)(6)</b> Regulatory Division, Jacksonville District, U.S. Army Corps of Engineers, P.O. Box 4970, Jacksonville, FL, 32232, email: <b>Exemption (b)(6)</b>  <b>Exemption (b)(6)</b></p>		