

The Project for Rehabilitation of Alotau Town Market and Fisheries Facilities

## Environmental and Social Monitoring Report

on

November 2018

Consultant: OAFIC CO., LTD.

Contractor: DAI NIPPON CONSTRUCTION

# Environmental and Social Monitoring Report 2-(1)

## 2-(1) Air Quality

Items	Method (Location)	Date	Monitoring Result	Location of occurrence and its status	Actions taken to Reduce Impacts (e.g. Spry Water)	Monitored by
Dust	Visual Observation					
1	(Project Site)	2018/10/23	None→OK	- NIL -	- NIL -	S. Takagi
2	(Project Site)	2018/10/24	None→OK	- NIL -	- NIL -	S. Takagi
3	(Project Site)	2018/10/25	None→OK	- NIL -	- NIL -	S. Takagi
4	(Project Site)	2018/10/26	None→OK	- NIL -	- NIL -	S. Takagi
5	(Project Site)	2018/10/27	None→OK	- NIL -	- NIL -	S. Takagi
6	(Project Site)	2018/10/28	None→OK	- NIL -	- NIL -	S. Takagi
7	(Project Site)	2018/10/29	None→OK	- NIL -	- NIL -	S. Takagi
8	(Project Site)	2018/10/30	None→OK	- NIL -	- NIL -	S. Takagi
9	(Project Site)	2018/10/31	None→OK	- NIL -	- NIL -	S. Takagi
10	(Project Site)	2018/1/1	None→OK	- NIL -	- NIL -	S. Takagi
11	(Project Site)	2018/1/2	None→OK	- NIL -	- NIL -	S. Takagi
12	(Project Site)	2018/1/3	None→OK	- NIL -	- NIL -	S. Takagi
13	(Project Site)	2018/1/4	None→OK	- NIL -	- NIL -	S. Takagi
14	(Project Site)	2018/1/5	None→OK	- NIL -	- NIL -	S. Takagi
15	(Project Site)	2018/1/6	None→OK	- NIL -	- NIL -	S. Takagi
16	(Project Site)	2018/1/7	None→OK	- NIL -	- NIL -	S. Takagi
17	(Project Site)	2018/1/8	None→OK	- NIL -	- NIL -	S. Takagi
18	(Project Site)	2018/1/9	None→OK	- NIL -	- NIL -	S. Takagi
19	(Project Site)	2018/1/10	None→OK	- NIL -	- NIL -	S. Takagi
20	(Project Site)	2018/1/11	None→OK	- NIL -	- NIL -	S. Takagi
21	(Project Site)	2018/1/12	None→OK	- NIL -	- NIL -	S. Takagi
22	(Project Site)	2018/1/13	None→OK	- NIL -	- NIL -	S. Takagi
23	(Project Site)	2018/1/14	None→OK	- NIL -	- NIL -	S. Takagi
24	(Project Site)	2018/1/15	None→OK	- NIL -	- NIL -	S. Takagi
25	(Project Site)	2018/1/16	None→OK	- NIL -	- NIL -	S. Takagi
26	(Project Site)	2018/1/17	None→OK	- NIL -	- NIL -	S. Takagi
27	(Project Site)	2018/1/18	None→OK	- NIL -	- NIL -	S. Takagi
28	(Project Site)	2018/1/19	None→OK	- NIL -	- NIL -	S. Takagi
29	(Project Site)	2018/1/20	None→OK	- NIL -	- NIL -	S. Takagi
30	(Project Site)	2018/1/21	None→OK	- NIL -	- NIL -	S. Takagi
31	(Project Site)	2018/1/22	None→OK	- NIL -	- NIL -	S. Takagi
32	(Project Site)	2018/1/23	None→OK	- NIL -	- NIL -	S. Takagi
33	(Project Site)	2018/1/24	None→OK	- NIL -	- NIL -	S. Takagi
34	(Project Site)	2018/1/25	None→OK	- NIL -	- NIL -	S. Takagi
35	(Project Site)	2018/1/26	None→OK	- NIL -	- NIL -	S. Takagi
36	(Project Site)	2018/1/27	None→OK	- NIL -	- NIL -	S. Takagi
37	(Project Site)	2018/1/28	None→OK	- NIL -	- NIL -	S. Takagi
38	(Project Site)	2018/1/29	None→OK	- NIL -	- NIL -	S. Takagi
39	(Project Site)	2018/1/30	None→OK	- NIL -	- NIL -	S. Takagi

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Contractor: Mr. Shigeru TAKAGI

Consultant: Mr. Rikio USHIODA

# Environmental and Social Monitoring Report 2-(2)-1

## 2-(2) Water Quality-1

Items	Method (Location)	Date	Monitoring Result	Location of occurrence and its status	Actions taken to Reduce Impacts (e.g. Spry Water)	Monitored by
1	Erosion (Both Waduwad creek & front beach)	2018/10/23	None→OK	- NIL -	- NIL -	S. Takagi
2	Erosion (Both Waduwad creek & front beach)	2018/10/24	None→OK	- NIL -	- NIL -	S. Takagi
3	Erosion (Both Waduwad creek & front beach)	2018/10/25	None→OK	- NIL -	- NIL -	S. Takagi
4	Erosion (Both Waduwad creek & front beach)	2018/10/26	None→OK	- NIL -	- NIL -	S. Takagi
5	Erosion (Both Waduwad creek & front beach)	2018/10/27	None→OK	- NIL -	- NIL -	S. Takagi
6	Erosion (Both Waduwad creek & front beach)	2018/10/28	None→OK	- NIL -	- NIL -	S. Takagi
7	Erosion (Both Waduwad creek & front beach)	2018/10/29	None→OK	- NIL -	- NIL -	S. Takagi
8	Erosion (Both Waduwad creek & front beach)	2018/10/30	None→OK	- NIL -	- NIL -	S. Takagi
9	Erosion (Both Waduwad creek & front beach)	2018/10/31	None→OK	- NIL -	- NIL -	S. Takagi
10	Erosion (Both Waduwad creek & front beach)	2018/11/1	None→OK	- NIL -	- NIL -	S. Takagi
11	Erosion (Both Waduwad creek & front beach)	2018/11/2	None→OK	- NIL -	- NIL -	S. Takagi
12	Erosion (Both Waduwad creek & front beach)	2018/11/3	None→OK	- NIL -	- NIL -	S. Takagi
13	Erosion (Both Waduwad creek & front beach)	2018/11/4	None→OK	- NIL -	- NIL -	S. Takagi
14	Erosion (Both Waduwad creek & front beach)	2018/11/5	None→OK	- NIL -	- NIL -	S. Takagi
15	Erosion (Both Waduwad creek & front beach)	2018/11/6	None→OK	- NIL -	- NIL -	S. Takagi
16	Erosion (Both Waduwad creek & front beach)	2018/11/7	None→OK	- NIL -	- NIL -	S. Takagi
17	Erosion (Both Waduwad creek & front beach)	2018/11/8	None→OK	- NIL -	- NIL -	S. Takagi
18	Erosion (Both Waduwad creek & front beach)	2018/11/9	None→OK	- NIL -	- NIL -	S. Takagi
19	Erosion (Both Waduwad creek & front beach)	2018/11/10	None→OK	- NIL -	- NIL -	S. Takagi
20	Erosion (Both Waduwad creek & front beach)	2018/11/11	None→OK	- NIL -	- NIL -	S. Takagi
21	Erosion (Both Waduwad creek & front beach)	2018/11/12	None→OK	- NIL -	- NIL -	S. Takagi
22	Erosion (Both Waduwad creek & front beach)	2018/11/13	None→OK	- NIL -	- NIL -	S. Takagi
23	Erosion (Both Waduwad creek & front beach)	2018/11/14	None→OK	- NIL -	- NIL -	S. Takagi
24	Erosion (Both Waduwad creek & front beach)	2018/11/15	None→OK	- NIL -	- NIL -	S. Takagi
25	Erosion (Both Waduwad creek & front beach)	2018/11/16	None→OK	- NIL -	- NIL -	S. Takagi
26	Erosion (Both Waduwad creek & front beach)	2018/11/17	None→OK	- NIL -	- NIL -	S. Takagi
27	Erosion (Both Waduwad creek & front beach)	2018/11/18	None→OK	- NIL -	- NIL -	S. Takagi
28	Erosion (Both Waduwad creek & front beach)	2018/11/19	None→OK	- NIL -	- NIL -	S. Takagi
29	Erosion (Both Waduwad creek & front beach)	2018/11/20	None→OK	- NIL -	- NIL -	S. Takagi
30	Erosion (Both Waduwad creek & front beach)	2018/11/21	None→OK	- NIL -	- NIL -	S. Takagi
31	Erosion (Both Waduwad creek & front beach)	2018/11/22	None→OK	- NIL -	- NIL -	S. Takagi
32	Erosion (Both Waduwad creek & front beach)	2018/11/23	None→OK	- NIL -	- NIL -	S. Takagi
33	Erosion (Both Waduwad creek & front beach)	2018/11/24	None→OK	- NIL -	- NIL -	S. Takagi
34	Erosion (Both Waduwad creek & front beach)	2018/11/25	None→OK	- NIL -	- NIL -	S. Takagi
35	Erosion (Both Waduwad creek & front beach)	2018/11/26	None→OK	- NIL -	- NIL -	S. Takagi
36	Erosion (Both Waduwad creek & front beach)	2018/11/27	None→OK	- NIL -	- NIL -	S. Takagi
37	Erosion (Both Waduwad creek & front beach)	2018/11/28	None→OK	- NIL -	- NIL -	S. Takagi
38	Erosion (Both Waduwad creek & front beach)	2018/11/29	None→OK	- NIL -	- NIL -	S. Takagi
39	Erosion (Both Waduwad creek & front beach)	2018/11/30	None→OK	- NIL -	- NIL -	S. Takagi

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Contractor: Mr. Shigeru TAKAGI

Consultant: Mr. Rikio USHIODA

# Environmental and Social Monitoring Report 2-(2)-2

## 2-(2) Water Quality-2

Items	Method (Location)	Date	Monitoring Result	Location of occurrence and its status	Actions taken to Reduce Impacts (e.g. Spry Water)	Monitored by
1	Sedimentation (Both Waduwad creek & front beach)	2018/10/23	None→OK	- NIL -	- NIL -	S. Takagi
2	(Both Waduwad creek & front beach)	2018/10/24	None→OK	- NIL -	- NIL -	S. Takagi
3	(Both Waduwad creek & front beach)	2018/10/25	None→OK	- NIL -	- NIL -	S. Takagi
4	(Both Waduwad creek & front beach)	2018/10/26	None→OK	- NIL -	- NIL -	S. Takagi
5	(Both Waduwad creek & front beach)	2018/10/27	None→OK	- NIL -	- NIL -	S. Takagi
6	(Both Waduwad creek & front beach)	2018/10/28	None→OK	- NIL -	- NIL -	S. Takagi
7	(Both Waduwad creek & front beach)	2018/10/29	None→OK	- NIL -	- NIL -	S. Takagi
8	(Both Waduwad creek & front beach)	2018/10/30	None→OK	- NIL -	- NIL -	S. Takagi
9	(Both Waduwad creek & front beach)	2018/10/31	None→OK	- NIL -	- NIL -	S. Takagi
10	(Both Waduwad creek & front beach)	2018/11/1	None→OK	- NIL -	- NIL -	S. Takagi
11	(Both Waduwad creek & front beach)	2018/11/2	None→OK	- NIL -	- NIL -	S. Takagi
12	(Both Waduwad creek & front beach)	2018/11/3	None→OK	- NIL -	- NIL -	S. Takagi
13	(Both Waduwad creek & front beach)	2018/11/4	None→OK	- NIL -	- NIL -	S. Takagi
14	(Both Waduwad creek & front beach)	2018/11/5	None→OK	- NIL -	- NIL -	S. Takagi
15	(Both Waduwad creek & front beach)	2018/11/6	None→OK	- NIL -	- NIL -	S. Takagi
16	(Both Waduwad creek & front beach)	2018/11/7	None→OK	- NIL -	- NIL -	S. Takagi
17	(Both Waduwad creek & front beach)	2018/11/8	None→OK	- NIL -	- NIL -	S. Takagi
18	(Both Waduwad creek & front beach)	2018/11/9	None→OK	- NIL -	- NIL -	S. Takagi
19	(Both Waduwad creek & front beach)	2018/11/10	None→OK	- NIL -	- NIL -	S. Takagi
20	(Both Waduwad creek & front beach)	2018/11/11	None→OK	- NIL -	- NIL -	S. Takagi
21	(Both Waduwad creek & front beach)	2018/11/12	None→OK	- NIL -	- NIL -	S. Takagi
22	(Both Waduwad creek & front beach)	2018/11/13	None→OK	- NIL -	- NIL -	S. Takagi
23	(Both Waduwad creek & front beach)	2018/11/14	None→OK	- NIL -	- NIL -	S. Takagi
24	(Both Waduwad creek & front beach)	2018/11/15	None→OK	- NIL -	- NIL -	S. Takagi
25	(Both Waduwad creek & front beach)	2018/11/16	None→OK	- NIL -	- NIL -	S. Takagi
26	(Both Waduwad creek & front beach)	2018/11/17	None→OK	- NIL -	- NIL -	S. Takagi
27	(Both Waduwad creek & front beach)	2018/11/18	None→OK	- NIL -	- NIL -	S. Takagi
28	(Both Waduwad creek & front beach)	2018/11/19	None→OK	- NIL -	- NIL -	S. Takagi
29	(Both Waduwad creek & front beach)	2018/11/20	None→OK	- NIL -	- NIL -	S. Takagi
30	(Both Waduwad creek & front beach)	2018/11/21	None→OK	- NIL -	- NIL -	S. Takagi
31	(Both Waduwad creek & front beach)	2018/11/22	None→OK	- NIL -	- NIL -	S. Takagi
32	(Both Waduwad creek & front beach)	2018/11/23	None→OK	- NIL -	- NIL -	S. Takagi
33	(Both Waduwad creek & front beach)	2018/11/24	None→OK	- NIL -	- NIL -	S. Takagi
34	(Both Waduwad creek & front beach)	2018/11/25	None→OK	- NIL -	- NIL -	S. Takagi
35	(Both Waduwad creek & front beach)	2018/11/26	None→OK	- NIL -	- NIL -	S. Takagi
36	(Both Waduwad creek & front beach)	2018/11/27	None→OK	- NIL -	- NIL -	S. Takagi
37	(Both Waduwad creek & front beach)	2018/11/28	None→OK	- NIL -	- NIL -	S. Takagi
38	(Both Waduwad creek & front beach)	2018/11/29	None→OK	- NIL -	- NIL -	S. Takagi
39	(Both Waduwad creek & front beach)	2018/11/30	None→OK	- NIL -	- NIL -	S. Takagi

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R. [Signature]

Contractor: Mr. Shigeru TAKAGI

Consultant: Mr. Rikio USHIODA

# Environmental and Social Monitoring Report 2-(2)-3

## 2-(2) Water Quality-3

Items	Method (Location)	Date	Monitoring Result	Location of occurrence and its status	Actions taken to Reduce Impacts (e.g. Spry Water)	Monitored by
1	Turbidity (Both Waduwad creek & front beach)	2018/10/23	None→OK	- NIL -	- NIL -	S. Takagi
2	Visual Observation (Both Waduwad creek & front beach)	2018/10/24	None→OK	- NIL -	- NIL -	S. Takagi
3	Visual Observation (Both Waduwad creek & front beach)	2018/10/25	None→OK	- NIL -	- NIL -	S. Takagi
4	Visual Observation (Both Waduwad creek & front beach)	2018/10/26	Some (→)	Front beach, Slightly Turbid, due to rough waves caused by strong winds	- NIL -	S. Takagi
5	Visual Observation (Both Waduwad creek & front beach)	2018/10/27	None→OK	- NIL -	- NIL -	S. Takagi
6	Visual Observation (Both Waduwad creek & front beach)	2018/10/28	None→OK	- NIL -	- NIL -	S. Takagi
7	Visual Observation (Both Waduwad creek & front beach)	2018/10/29	None→OK	- NIL -	- NIL -	S. Takagi
8	Visual Observation (Both Waduwad creek & front beach)	2018/10/30	None→OK	- NIL -	- NIL -	S. Takagi
9	Visual Observation (Both Waduwad creek & front beach)	2018/10/31	None→OK	- NIL -	- NIL -	S. Takagi
10	Visual Observation (Both Waduwad creek & front beach)	2018/11/1	None→OK	- NIL -	- NIL -	S. Takagi
11	Visual Observation (Both Waduwad creek & front beach)	2018/11/2	None→OK	- NIL -	- NIL -	S. Takagi
12	Visual Observation (Both Waduwad creek & front beach)	2018/11/3	None→OK	- NIL -	- NIL -	S. Takagi
13	Visual Observation (Both Waduwad creek & front beach)	2018/11/4	None→OK	- NIL -	- NIL -	S. Takagi
14	Visual Observation (Both Waduwad creek & front beach)	2018/11/5	None→OK	- NIL -	- NIL -	S. Takagi
15	Visual Observation (Both Waduwad creek & front beach)	2018/11/6	None→OK	- NIL -	- NIL -	S. Takagi
16	Visual Observation (Both Waduwad creek & front beach)	2018/11/7	None→OK	- NIL -	- NIL -	S. Takagi
17	Visual Observation (Both Waduwad creek & front beach)	2018/11/8	None→OK	- NIL -	- NIL -	S. Takagi
18	Visual Observation (Both Waduwad creek & front beach)	2018/11/9	None→OK	- NIL -	- NIL -	S. Takagi
19	Visual Observation (Both Waduwad creek & front beach)	2018/11/10	None→OK	- NIL -	- NIL -	S. Takagi
20	Visual Observation (Both Waduwad creek & front beach)	2018/11/11	None→OK	- NIL -	- NIL -	S. Takagi
21	Visual Observation (Both Waduwad creek & front beach)	2018/11/12	None→OK	- NIL -	- NIL -	S. Takagi
22	Visual Observation (Both Waduwad creek & front beach)	2018/11/13	None→OK	- NIL -	- NIL -	S. Takagi
23	Visual Observation (Both Waduwad creek & front beach)	2018/11/14	None→OK	- NIL -	- NIL -	S. Takagi
24	Visual Observation (Both Waduwad creek & front beach)	2018/11/15	None→OK	- NIL -	- NIL -	S. Takagi
25	Visual Observation (Both Waduwad creek & front beach)	2018/11/16	None→OK	- NIL -	- NIL -	S. Takagi
26	Visual Observation (Both Waduwad creek & front beach)	2018/11/17	None→OK	- NIL -	- NIL -	S. Takagi
27	Visual Observation (Both Waduwad creek & front beach)	2018/11/18	None→OK	- NIL -	- NIL -	S. Takagi
28	Visual Observation (Both Waduwad creek & front beach)	2018/11/19	None→OK	- NIL -	- NIL -	S. Takagi
29	Visual Observation (Both Waduwad creek & front beach)	2018/11/20	None→OK	- NIL -	- NIL -	S. Takagi
30	Visual Observation (Both Waduwad creek & front beach)	2018/11/21	None→OK	- NIL -	- NIL -	S. Takagi
31	Visual Observation (Both Waduwad creek & front beach)	2018/11/22	None→OK	- NIL -	- NIL -	S. Takagi
32	Visual Observation (Both Waduwad creek & front beach)	2018/11/23	None→OK	- NIL -	- NIL -	S. Takagi
33	Visual Observation (Both Waduwad creek & front beach)	2018/11/24	None→OK	- NIL -	- NIL -	S. Takagi
34	Visual Observation (Both Waduwad creek & front beach)	2018/11/25	None→OK	- NIL -	- NIL -	S. Takagi
35	Visual Observation (Both Waduwad creek & front beach)	2018/11/26	None→OK	- NIL -	- NIL -	S. Takagi
36	Visual Observation (Both Waduwad creek & front beach)	2018/11/27	None→OK	- NIL -	- NIL -	S. Takagi
37	Visual Observation (Both Waduwad creek & front beach)	2018/11/28	None→OK	- NIL -	- NIL -	S. Takagi
38	Visual Observation (Both Waduwad creek & front beach)	2018/11/29	None→OK	- NIL -	- NIL -	S. Takagi
39	Visual Observation (Both Waduwad creek & front beach)	2018/11/30	None→OK	- NIL -	- NIL -	S. Takagi

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Contractor: Mr. Shigeru TAKAGI

Consultant: Mr. Rikio USHIODA