

API Specification Document

(SRM Area Application)

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URL: <http://srm-woc.dwr.go.th/>

1. Get all Reservoir list

ดึงข้อมูลรายชื่ออ่างเก็บน้ำทั้งหมด

Request

Method	URL
GET	srmarea/getAllResv.php

Type	Params	Values
-	-	-

Response

Status	Response
200	<pre>[• { o proj_name: "04 อ่างเก็บน้ำหนองกอง", o proj_code: "rev-1-2563-004", o proj_address: "ตำบลนาบ่อคำ อำเภอเมืองกำแพงเพชร จังหวัดกำแพงเพชร", o province_name: "กำแพงเพชร ", o proj_capacity: "0.00", o proj_lat: "16.4886106", o proj_long: "99.294023", o proj_max_wl_val: "15.00", o proj_max_wl_in_val: null, o proj_max_wl_out_val: null, o proj_min_wl_val: "8.00", o proj_min_wl_in_val: null, o proj_min_wl_out_val: null,</pre>

	<ul style="list-style-type: none">○ proj_max_watch_wl_val: "14.00",○ proj_max_watch_wl_in_val: null,○ proj_max_watch_wl_out_val: null,○ proj_min_watch_wl_val: "10.00",○ proj_min_watch_wl_in_val: null,○ proj_min_watch_wl_out_val: null,○ proj_max_cros_wl_in_val: null,○ proj_max_cros_wl_out_val: null,○ proj_post_wl_val: "10.00",○ proj_post_cros_wl_in_val: null,○ proj_post_cros_wl_out_val: null,○ proj_max_contain_val: "25.00",○ proj_max_watch_contain_val: null,○ proj_min_contain_val: "2.00",○ proj_min_watch_contain_val: null <pre>}]</pre>
--	---

2. Get Reservoir by Project Code list

ดึงข้อมูลรายชื่ออ่างเก็บน้ำตาม Project Code ที่ระบุ

Request

Method	URL
POST	srmarea/getResvByCode.php

Type	Params	Values
GET	pcode	string

pcode

>> Project Code ของอ่างเก็บน้ำ

Response

Status	Response
200	[<ul style="list-style-type: none">{<ul style="list-style-type: none">proj_name: "01 อ่างเก็บน้ำแม่ฉางข้าว",proj_code: "rev-1-2563-001",proj_address: "อุทยานแห่งชาติที่ ขจ.1 (แม่ฉางข้าว) จ.เชียงราย",province_name: "เชียงราย ",proj_capacity: "0.00",proj_lat: "19.26255",proj_long: "99.45658",proj_max_wl_val: "606.00",proj_max_wl_in_val: "607.00",proj_max_wl_out_val: "592.00",proj_min_wl_val: "426.72",proj_min_wl_in_val: "604.00",proj_min_wl_out_val: "589.00",

- proj_max_watch_wl_val: "510.00",
- proj_max_watch_wl_in_val: "606.00",
- proj_max_watch_wl_out_val: "590.00",
- proj_min_watch_wl_val: "430.00",
- proj_min_watch_wl_in_val: "605.00",
- proj_min_watch_wl_out_val: "589.50",
- proj_max_cros_wl_in_val: "606.00",
- proj_max_cros_wl_out_val: "591.50",
- proj_post_wl_val: "604.10",
- proj_post_cros_wl_in_val: "604.10",
- proj_post_cros_wl_out_val: "589.78",
- proj_max_contain_val: "9621.15",
- proj_max_watch_contain_val: "9220.00",
- proj_min_contain_val: "1443.17",
- proj_min_watch_contain_val: "1842.00"

}

]

3. Get all Water level list

ดึงข้อมูลระดับน้ำรายวันของทุกสถานี

Request

Method	URL
POST	srmarea/getAllWaterLevel.php

Type	Params	Values
GET	sdate	string [option]
GET	edate	string [option]

sdate

>> วันที่เริ่มต้น

edate

>> วันที่สิ้นสุด

Response

Status	Response
200	<pre>[• { ○ proj_name: "01 อ่างเก็บน้ำแม่ฉางข้าว", ○ proj_code: "rev-1-2563-001", ○ water_level: [▪ { ▪ wl_date: "2020-01-01",</pre>

- wl_inflow_val: "605.50",
- wl_area_val: "492.00",
- wl_outflow_val: "591.00",
- create_date: "2020-04-04 16:59:27",
- lupdate_date: "2020-04-04 16:59:27"

},

- {
 - wl_date: "2020-01-02",
 - wl_inflow_val: "605.50",
 - wl_area_val: "491.50",
 - wl_outflow_val: "591.00",
 - create_date: "2020-04-04 17:01:55",
 - lupdate_date: "2020-04-04 17:01:55"

},

- {
 - wl_date: "2020-01-03",
 - wl_inflow_val: "605.50",
 - wl_area_val: "491.75",
 - wl_outflow_val: "591.00",
 - create_date: "2020-04-04 17:02:35",
 - lupdate_date: "2020-04-04 17:02:35"

},

- {
 - wl_date: "2020-01-04",
 - wl_inflow_val: "605.50",
 - wl_area_val: "491.50",
 - wl_outflow_val: "591.00",
 - create_date: "2020-04-04 17:03:38",
 - lupdate_date: "2020-04-04 17:03:38"

},

- {
 - wl_date: "2020-01-05",
 - wl_inflow_val: "605.50",

- wl_area_val: "491.25",
- wl_outflow_val: "591.00",
- create_date: "2020-04-04 17:04:28",
- lupdate_date: "2020-04-04 17:04:28"

},

- {
 - wl_date: "2020-01-06",
 - wl_inflow_val: "605.50",
 - wl_area_val: "491.00",
 - wl_outflow_val: "591.00",
 - create_date: "2020-04-04 17:05:04",
 - lupdate_date: "2020-04-04 17:05:04"

},

- {
 - wl_date: "2020-01-07",
 - wl_inflow_val: "605.50",
 - wl_area_val: "491.25",
 - wl_outflow_val: "591.00",
 - create_date: "2020-04-05 14:40:18",
 - lupdate_date: "2020-04-05 14:40:18"

},

- {
 - wl_date: "2020-01-08",
 - wl_inflow_val: "605.50",
 - wl_area_val: "490.75",
 - wl_outflow_val: "591.00",
 - create_date: "2020-04-05 14:40:58",
 - lupdate_date: "2020-04-05 14:40:58"

},

- {
 - wl_date: "2020-01-09",
 - wl_inflow_val: "605.50",
 - wl_area_val: "490.75",

	<pre> ▪ wl_outflow_val: "591.00", ▪ create_date: "2020-04-05 14:41:40", ▪ lupdate_date: "2020-04-05 14:41:40" }, ▪ { ▪ wl_date: "2020-01-10", ▪ wl_inflow_val: "605.50", ▪ wl_area_val: "490.50", ▪ wl_outflow_val: "591.00", ▪ create_date: "2020-04-05 14:42:21", ▪ lupdate_date: "2020-04-05 14:42:21" }] },</pre>
--	--

4. Get Water level by Code list

ดึงข้อมูลระดับน้ำรายวันของสถานีตาม Project Code ที่ระบุ

Request

Method	URL
POST	smarea/getWaterLevelByCode.php

Type	Params	Values
GET	pcode	string
GET	sdate	string [option]
GET	edate	string [option]

pcode

>> Project Code ของอ่างเก็บน้ำ

sdate

>> วันที่เริ่มต้น

edate

>> วันที่สิ้นสุด

Response

Status	Response
200	<pre>[{ proj_name: "01 อ่างเก็บน้ำแม่ฉางข้าว", proj_code: "rev-1-2563-001", water_level: [{ wl_date: "2020-01-01", wl_inflow_val: "605.50", wl_area_val: "492.00", wl_outflow_val: "591.00", create_date: "2020-04-04 16:59:27", lupdate_date: "2020-04-04 16:59:27" }, { wl_date: "2020-01-02", wl_inflow_val: "605.50", wl_area_val: "491.50", wl_outflow_val: "591.00", create_date: "2020-04-04 17:01:55", lupdate_date: "2020-04-04 17:01:55" }, { wl_date: "2020-01-03", wl_inflow_val: "605.50", wl_area_val: "491.75", wl_outflow_val: "591.00", create_date: "2020-04-04 17:02:35", lupdate_date: "2020-04-04 17:02:35" }] }]</pre>

```
    },  
    ▪ {  
      ▪ wl_date: "2020-01-04",  
      ▪ wl_inflow_val: "605.50",  
      ▪ wl_area_val: "491.50",  
      ▪ wl_outflow_val: "591.00",  
      ▪ create_date: "2020-04-04 17:03:38",  
      ▪ lupdate_date: "2020-04-04 17:03:38"  
    },  
    ▪ {  
      ▪ wl_date: "2020-01-05",  
      ▪ wl_inflow_val: "605.50",  
      ▪ wl_area_val: "491.25",  
      ▪ wl_outflow_val: "591.00",  
      ▪ create_date: "2020-04-04 17:04:28",  
      ▪ lupdate_date: "2020-04-04 17:04:28"  
    }  
  ]  
  • }  
]
```

5. Get all Water level Inflow list

ดึงข้อมูลระดับน้ำพื้นที่น้ำเข้ารายวันของสถานีทั้งหมด

Request

Method	URL
GET	srmarea/getAllInWaterFlow.php

Type	Params	Values
-	-	-

Response

Status	Response
200	<pre>[• { o proj_name: "01 อ่างเก็บน้ำแม่ฉางข้าว", o proj_code: "rev-1-2563-001", o water_flow: [▪ { ▪ wd_date: "2020-02-01", ▪ wd_q_val: "52.002", ▪ create_date: "2020-05-06 17:59:06", ▪ lupdate_date: "2020-05-06 17:59:06" }, ▪ { ▪ wd_date: "2020-01-31",</pre>

	<ul style="list-style-type: none">▪ wd_q_val: "2.157",▪ create_date: "2020-05-07 20:37:09",▪ lupdate_date: "2020-05-07 20:37:09" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-01-30",▪ wd_q_val: "77.158",▪ create_date: "2020-05-07 20:38:04",▪ lupdate_date: "2020-05-07 20:38:04" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-01-29",▪ wd_q_val: "82.762",▪ create_date: "2020-05-07 21:08:48",▪ lupdate_date: "2020-05-07 21:08:48" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-01-28",▪ wd_q_val: "52.002",▪ create_date: "2020-05-07 21:09:28",▪ lupdate_date: "2020-05-07 21:09:28" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-01-27",▪ wd_q_val: "2.157",▪ create_date: "2020-05-07 21:10:10",▪ lupdate_date: "2020-05-07 21:10:10" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-01-26",▪ wd_q_val: "77.158",
--	---

	<ul style="list-style-type: none">▪ create_date: "2020-05-07 21:13:47",▪ lupdate_date: "2020-05-07 21:13:47" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-01-25",▪ wd_q_val: "32.198",▪ create_date: "2020-05-07 21:14:30",▪ lupdate_date: "2020-05-07 21:14:30" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-01-24",▪ wd_q_val: "25.415",▪ create_date: "2020-05-07 21:15:18",▪ lupdate_date: "2020-05-07 21:15:18" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-01-23",▪ wd_q_val: "52.002",▪ create_date: "2020-05-07 21:15:46",▪ lupdate_date: "2020-05-07 21:15:46" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-02-01",▪ wd_q_val: "0.000",▪ create_date: "2020-06-25 14:51:25",▪ lupdate_date: "2020-06-25 14:51:25" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-02-01",▪ wd_q_val: "0.000",▪ create_date: "2020-06-25 14:53:27",
--	---

	<pre> ▪ lupdate_date: "2020-06-25 14:53:27" }, ▪ { ▪ wd_date: "2020-02-02", ▪ wd_q_val: "0.000", ▪ create_date: "2020-06-25 15:20:50", ▪ lupdate_date: "2020-06-25 15:20:50" }] },]</pre>
--	--

7. Get all Water level Inflow by Code list

ดึงข้อมูลระดับน้ำรายวันพื้นที่น้ำเข้าของสถานีตาม Project Code ที่ระบุ

Request

Method	URL
POST	smarea/getInWaterFlowByCode.php

Type	Params	Values
GET	pcode	string
GET	sdate	string [option]
GET	edate	string [option]

pcode

>> Project Code ของอ่างเก็บน้ำ

sdate

>> วันที่เริ่มต้น

edate

>> วันที่สิ้นสุด

Response

Status	Response
200	<pre>[{ proj_name: "01 อ่างเก็บน้ำแม่กลางซ้าย", proj_code: "rev-1-2563-001", water_flow: [{ wd_date: "2020-02-01", wd_q_val: "52.002", create_date: "2020-05-06 17:59:06", lupdate_date: "2020-05-06 17:59:06" }, { wd_date: "2020-01-31", wd_q_val: "2.157", create_date: "2020-05-07 20:37:09", lupdate_date: "2020-05-07 20:37:09" }, { wd_date: "2020-01-30", wd_q_val: "77.158", create_date: "2020-05-07 20:38:04", lupdate_date: "2020-05-07 20:38:04" }, { wd_date: "2020-01-29", wd_q_val: "82.762", create_date: "2020-05-07 21:08:48", </pre>

- lupdate_date: "2020-05-07 21:08:48"

},

- {

- wd_date: "2020-01-28",
- wd_q_val: "52.002",
- create_date: "2020-05-07 21:09:28",
- lupdate_date: "2020-05-07 21:09:28"

},

- {

- wd_date: "2020-01-27",
- wd_q_val: "2.157",
- create_date: "2020-05-07 21:10:10",
- lupdate_date: "2020-05-07 21:10:10"

},

- {

- wd_date: "2020-01-26",
- wd_q_val: "77.158",
- create_date: "2020-05-07 21:13:47",
- lupdate_date: "2020-05-07 21:13:47"

},

- {

- wd_date: "2020-01-25",
- wd_q_val: "32.198",
- create_date: "2020-05-07 21:14:30",
- lupdate_date: "2020-05-07 21:14:30"

},

- {

- wd_date: "2020-01-24",
- wd_q_val: "25.415",
- create_date: "2020-05-07 21:15:18",
- lupdate_date: "2020-05-07 21:15:18"

```
    },
  [
    {
      wd_date: "2020-01-23",
      wd_q_val: "52.002",
      create_date: "2020-05-07 21:15:46",
      lupdate_date: "2020-05-07 21:15:46"
    },
  ],
  [
    {
      wd_date: "2020-02-01",
      wd_q_val: "0.000",
      create_date: "2020-06-25 14:51:25",
      lupdate_date: "2020-06-25 14:51:25"
    },
  ],
  [
    {
      wd_date: "2020-02-01",
      wd_q_val: "0.000",
      create_date: "2020-06-25 14:53:27",
      lupdate_date: "2020-06-25 14:53:27"
    },
  ],
  [
    {
      wd_date: "2020-02-02",
      wd_q_val: "0.000",
      create_date: "2020-06-25 15:20:50",
      lupdate_date: "2020-06-25 15:20:50"
    }
  ]
]
]

```

8. Get all Water level Outflow list

ดึงข้อมูลระดับน้ำพื้นที่น้ำออกรายวันของสถานีทั้งหมด

Request

Method	URL
GET	srmarea/getAllOutWaterFlow.php

Type	Params	Values
-	-	-

Response

Status	Response
200	<pre>[• { o proj_name: "01 อ่างเก็บน้ำแม่ฉางข้าว", o proj_code: "rev-1-2563-001", o water_flow: [▪ { ▪ wd_date: "2020-02-01", ▪ wd_q_val: "29.531", ▪ create_date: "2020-05-06 17:59:06", ▪ lupdate_date: "2020-05-06 17:59:06" }, ▪ { ▪ wd_date: "2020-01-31",</pre>

	<ul style="list-style-type: none">▪ wd_q_val: "58.763",▪ create_date: "2020-05-07 20:37:09",▪ lupdate_date: "2020-05-07 20:37:09" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-01-30",▪ wd_q_val: "58.763",▪ create_date: "2020-05-07 20:38:04",▪ lupdate_date: "2020-05-07 20:38:04" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-01-29",▪ wd_q_val: "42.759",▪ create_date: "2020-05-07 21:08:48",▪ lupdate_date: "2020-05-07 21:08:48" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-01-28",▪ wd_q_val: "29.531",▪ create_date: "2020-05-07 21:09:28",▪ lupdate_date: "2020-05-07 21:09:28" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-01-27",▪ wd_q_val: "1.050",▪ create_date: "2020-05-07 21:10:10",▪ lupdate_date: "2020-05-07 21:10:10" <p>},</p> <ul style="list-style-type: none">▪ {<ul style="list-style-type: none">▪ wd_date: "2020-01-26",▪ wd_q_val: "55.460",
--	--

	<ul style="list-style-type: none"> ▪ create_date: "2020-05-07 21:13:47", ▪ lupdate_date: "2020-05-07 21:13:47" <p>},</p> <ul style="list-style-type: none"> ▪ { <ul style="list-style-type: none"> ▪ wd_date: "2020-01-25", ▪ wd_q_val: "42.759", ▪ create_date: "2020-05-07 21:14:30", ▪ lupdate_date: "2020-05-07 21:14:30" <p>},</p> <ul style="list-style-type: none"> ▪ { <ul style="list-style-type: none"> ▪ wd_date: "2020-01-24", ▪ wd_q_val: "48.852", ▪ create_date: "2020-05-07 21:15:18", ▪ lupdate_date: "2020-05-07 21:15:18" <p>},</p> <ul style="list-style-type: none"> ▪ { <ul style="list-style-type: none"> ▪ wd_date: "2020-01-23", ▪ wd_q_val: "29.531", ▪ create_date: "2020-05-07 21:15:46", ▪ lupdate_date: "2020-05-07 21:15:46" <p>},</p> <ul style="list-style-type: none"> ▪ { <ul style="list-style-type: none"> ▪ wd_date: "2020-02-01", ▪ wd_q_val: "0.000", ▪ create_date: "2020-06-25 14:51:25", ▪ lupdate_date: "2020-06-25 14:51:25" <p>},</p> <ul style="list-style-type: none"> ▪ { <ul style="list-style-type: none"> ▪ wd_date: "2020-02-01", ▪ wd_q_val: "0.000", ▪ create_date: "2020-06-25 14:53:27",
--	--

	<pre> ▪ lupdate_date: "2020-06-25 14:53:27" }, ▪ { ▪ wd_date: "2020-02-02", ▪ wd_q_val: "0.000", ▪ create_date: "2020-06-25 15:20:50", ▪ lupdate_date: "2020-06-25 15:20:50" }] },]</pre>
--	--

9. Get all Water level Outflow by Code list

ดึงข้อมูลระดับน้ำรายวันพื้นที่น้ำออกของสถานีตาม Project Code ที่ระบุ

Request

Method	URL
POST	smarea/getOutWaterFlowByCode.php

Type	Params	Values
GET	pcode	string
GET	sdate	string [option]
GET	edate	string [option]

pcode

>> Project Code ของอ่างเก็บน้ำ

sdate

>> วันที่เริ่มต้น

edate

>> วันที่สิ้นสุด

Response

Status	Response
200	<pre>[{ proj_name: "01 อ่างเก็บน้ำแม่กลางซ้าย", proj_code: "rev-1-2563-001", water_flow: [{ wd_date: "2020-02-01", wd_q_val: "29.531", create_date: "2020-05-06 17:59:06", lupdate_date: "2020-05-06 17:59:06" }, { wd_date: "2020-01-31", wd_q_val: "58.763", create_date: "2020-05-07 20:37:09", lupdate_date: "2020-05-07 20:37:09" }, { wd_date: "2020-01-30", wd_q_val: "58.763", create_date: "2020-05-07 20:38:04", lupdate_date: "2020-05-07 20:38:04" }, { wd_date: "2020-01-29", wd_q_val: "42.759", create_date: "2020-05-07 21:08:48", </pre>

```
▪ lupdate_date: "2020-05-07 21:08:48"
```

```
},
```

```
▪ {
```

```
▪ wd_date: "2020-01-28",  
▪ wd_q_val: "29.531",  
▪ create_date: "2020-05-07 21:09:28",  
▪ lupdate_date: "2020-05-07 21:09:28"
```

```
},
```

```
▪ {
```

```
▪ wd_date: "2020-01-27",  
▪ wd_q_val: "1.050",  
▪ create_date: "2020-05-07 21:10:10",  
▪ lupdate_date: "2020-05-07 21:10:10"
```

```
},
```

```
▪ {
```

```
▪ wd_date: "2020-01-26",  
▪ wd_q_val: "55.460",  
▪ create_date: "2020-05-07 21:13:47",  
▪ lupdate_date: "2020-05-07 21:13:47"
```

```
},
```

```
▪ {
```

```
▪ wd_date: "2020-01-25",  
▪ wd_q_val: "42.759",  
▪ create_date: "2020-05-07 21:14:30",  
▪ lupdate_date: "2020-05-07 21:14:30"
```

```
},
```

```
▪ {
```

```
▪ wd_date: "2020-01-24",  
▪ wd_q_val: "48.852",  
▪ create_date: "2020-05-07 21:15:18",  
▪ lupdate_date: "2020-05-07 21:15:18"
```

```
    },
  [
    {
      wd_date: "2020-01-23",
      wd_q_val: "29.531",
      create_date: "2020-05-07 21:15:46",
      lupdate_date: "2020-05-07 21:15:46"
    },
  ],
  [
    {
      wd_date: "2020-02-01",
      wd_q_val: "0.000",
      create_date: "2020-06-25 14:51:25",
      lupdate_date: "2020-06-25 14:51:25"
    },
  ],
  [
    {
      wd_date: "2020-02-01",
      wd_q_val: "0.000",
      create_date: "2020-06-25 14:53:27",
      lupdate_date: "2020-06-25 14:53:27"
    },
  ],
  [
    {
      wd_date: "2020-02-02",
      wd_q_val: "0.000",
      create_date: "2020-06-25 15:20:50",
      lupdate_date: "2020-06-25 15:20:50"
    }
  ]
]

```

11. Get all Water volume list

ดึงข้อมูลปริมาณน้ำรายวันของสถานีทั้งหมด

Request

Method	URL
POST	srmarea/getAllWaterVolume.php

Type	Params	Values
-	-	-

Response

Status	Response
200	<pre>[• { o proj_name: "01 อ่างเก็บน้ำแม่ฉางข้าว", o proj_code: "rev-1-2563-001", o water_volumn: [▪ { wv_date: "2020-01-01", wv_level_val: "492.00", wv_contain_val: "6464.37", wv_surface_val: "121.79", create_date: "2020-04-04 16:59:27", lupdate_date: "2020-04-04 16:59:27" },] },]</pre>

- {
 - ww_date: "2020-01-02",
 - ww_level_val: "491.50",
 - ww_contain_val: "6405.73",
 - ww_surface_val: "120.88",
 - create_date: "2020-04-04 17:01:55",
 - lupdate_date: "2020-04-04 17:01:55"

},

- {
 - ww_date: "2020-01-03",
 - ww_level_val: "491.75",
 - ww_contain_val: "6435.05",
 - ww_surface_val: "121.34",
 - create_date: "2020-04-04 17:02:35",
 - lupdate_date: "2020-04-04 17:02:35"

},

- {
 - ww_date: "2020-01-04",
 - ww_level_val: "491.50",
 - ww_contain_val: "6405.73",
 - ww_surface_val: "120.88",
 - create_date: "2020-04-04 17:03:39",
 - lupdate_date: "2020-04-04 17:03:39"

},

- {
 - ww_date: "2020-01-05",
 - ww_level_val: "491.25",
 - ww_contain_val: "6376.41",
 - ww_surface_val: "120.42",
 - create_date: "2020-04-04 17:04:28",
 - lupdate_date: "2020-04-04 17:04:28"

},

- {

- wv_date: "2020-01-06",
- wv_level_val: "491.00",
- wv_contain_val: "6347.09",
- wv_surface_val: "119.97",
- create_date: "2020-04-04 17:05:04",
- lupdate_date: "2020-04-04 17:05:04"

},

- {
 - wv_date: "2020-01-07",
 - wv_level_val: "491.25",
 - wv_contain_val: "6376.41",
 - wv_surface_val: "120.42",
 - create_date: "2020-04-05 14:40:18",
 - lupdate_date: "2020-04-05 14:40:18"

},

- {
 - wv_date: "2020-01-08",
 - wv_level_val: "490.75",
 - wv_contain_val: "6317.77",
 - wv_surface_val: "119.51",
 - create_date: "2020-04-05 14:40:58",
 - lupdate_date: "2020-04-05 14:40:58"

},

- {
 - wv_date: "2020-01-09",
 - wv_level_val: "490.75",
 - wv_contain_val: "6317.77",
 - wv_surface_val: "119.51",
 - create_date: "2020-04-05 14:41:40",
 - lupdate_date: "2020-04-05 14:41:40"

},

- {
 - wv_date: "2020-01-10",

- wv_level_val: "490.50",
- wv_contain_val: "6288.45",
- wv_surface_val: "119.06",
- create_date: "2020-04-05 14:42:22",
- lupdate_date: "2020-04-05 14:42:22"

},

- {
 - wv_date: "2020-01-11",
 - wv_level_val: "490.00",
 - wv_contain_val: "6229.80",
 - wv_surface_val: "118.14",
 - create_date: "2020-04-05 14:43:19",
 - lupdate_date: "2020-04-05 14:43:19"

},

- {
 - wv_date: "2020-01-12",
 - wv_level_val: "498.00",
 - wv_contain_val: "7220.16",
 - wv_surface_val: "133.90",
 - create_date: "2020-04-05 14:44:49",
 - lupdate_date: "2020-04-05 14:44:49"

},

- {
 - wv_date: "2020-01-13",
 - wv_level_val: "500.00",
 - wv_contain_val: "7481.75",
 - wv_surface_val: "138.09",
 - create_date: "2020-04-05 14:45:26",
 - lupdate_date: "2020-04-05 14:45:26"

},

- {
 - wv_date: "2020-01-14",
 - wv_level_val: "501.00",

- wv_contain_val: "7629.36",
- wv_surface_val: "140.07",
- create_date: "2020-04-05 14:46:24",
- lupdate_date: "2020-04-05 14:46:24"

},

- {
 - wv_date: "2020-01-15",
 - wv_level_val: "503.00",
 - wv_contain_val: "7924.59",
 - wv_surface_val: "144.04",
 - create_date: "2020-04-05 14:47:00",
 - lupdate_date: "2020-04-05 14:47:00"

},

- {
 - wv_date: "2020-01-16",
 - wv_level_val: "501.00",
 - wv_contain_val: "7629.36",
 - wv_surface_val: "140.07",
 - create_date: "2020-04-05 14:47:54",
 - lupdate_date: "2020-04-05 14:47:54"

},

- {
 - wv_date: "2020-01-17",
 - wv_level_val: "499.00",
 - wv_contain_val: "7349.78",
 - wv_surface_val: "136.00",
 - create_date: "2020-04-05 14:48:27",
 - lupdate_date: "2020-04-05 14:48:27"

},

- {
 - wv_date: "2020-01-18",
 - wv_level_val: "497.00",
 - wv_contain_val: "7090.53",

- wv_surface_val: "131.80",
- create_date: "2020-04-05 14:48:59",
- lupdate_date: "2020-04-05 14:48:59"

},

- {
 - wv_date: "2020-01-19",
 - wv_level_val: "495.00",
 - wv_contain_val: "6831.28",
 - wv_surface_val: "127.60",
 - create_date: "2020-04-05 14:49:44",
 - lupdate_date: "2020-04-05 14:49:44"

},

- {
 - wv_date: "2020-01-20",
 - wv_level_val: "493.00",
 - wv_contain_val: "6581.65",
 - wv_surface_val: "123.62",
 - create_date: "2020-04-05 14:50:31",
 - lupdate_date: "2020-04-05 14:50:31"

},

- {
 - wv_date: "2020-01-21",
 - wv_level_val: "494.00",
 - wv_contain_val: "6701.65",
 - wv_surface_val: "125.50",
 - create_date: "2020-04-05 14:51:39",
 - lupdate_date: "2020-04-05 14:51:39"

},

- {
 - wv_date: "2020-01-22",
 - wv_level_val: "496.00",
 - wv_contain_val: "6960.90",
 - wv_surface_val: "129.70",

- create_date: "2020-04-05 14:52:12",
- lupdate_date: "2020-04-05 14:52:12"

},

- {
 - ww_date: "2020-02-01",
 - ww_level_val: "495.00",
 - ww_contain_val: "6831.28",
 - ww_surface_val: "127.60",
 - create_date: "2020-05-06 17:59:06",
 - lupdate_date: "2020-05-06 17:59:06"

},

- {
 - ww_date: "2020-01-31",
 - ww_level_val: "494.00",
 - ww_contain_val: "6701.65",
 - ww_surface_val: "125.50",
 - create_date: "2020-05-07 20:37:09",
 - lupdate_date: "2020-05-07 20:37:09"

},

- {
 - ww_date: "2020-01-30",
 - ww_level_val: "496.50",
 - ww_contain_val: "7025.72",
 - ww_surface_val: "130.75",
 - create_date: "2020-05-07 20:38:04",
 - lupdate_date: "2020-05-07 20:38:04"

},

- {
 - ww_date: "2020-01-29",
 - ww_level_val: "498.50",
 - ww_contain_val: "7284.97",
 - ww_surface_val: "134.95",
 - create_date: "2020-05-07 21:08:48",

- lupdate_date: "2020-05-07 21:08:48"

},

- {
 - ww_date: "2020-01-28",
 - ww_level_val: "500.00",
 - ww_contain_val: "7481.75",
 - ww_surface_val: "138.09",
 - create_date: "2020-05-07 21:09:28",
 - lupdate_date: "2020-05-07 21:09:28"

},

- {
 - ww_date: "2020-01-27",
 - ww_level_val: "502.00",
 - ww_contain_val: "7776.98",
 - ww_surface_val: "142.06",
 - create_date: "2020-05-07 21:10:10",
 - lupdate_date: "2020-05-07 21:10:10"

},

- {
 - ww_date: "2020-01-26",
 - ww_level_val: "503.25",
 - ww_contain_val: "7961.50",
 - ww_surface_val: "144.53",
 - create_date: "2020-05-07 21:13:47",
 - lupdate_date: "2020-05-07 21:13:47"

},

- {
 - ww_date: "2020-01-25",
 - ww_level_val: "501.15",
 - ww_contain_val: "7651.51",
 - ww_surface_val: "140.37",
 - create_date: "2020-05-07 21:14:30",

```
▪ lupdate_date: "2020-05-07 21:14:30"
```

```
},
```

```
▪ {  
  ▪ wv_date: "2020-01-24",  
  ▪ wv_level_val: "500.25",  
  ▪ wv_contain_val: "7518.65",  
  ▪ wv_surface_val: "138.58",  
  ▪ create_date: "2020-05-07 21:15:18",  
  ▪ lupdate_date: "2020-05-07 21:15:18"
```

```
},
```

```
▪ {  
  ▪ wv_date: "2020-01-23",  
  ▪ wv_level_val: "498.00",  
  ▪ wv_contain_val: "7220.16",  
  ▪ wv_surface_val: "133.90",  
  ▪ create_date: "2020-05-07 21:15:46",  
  ▪ lupdate_date: "2020-05-07 21:15:46"
```

```
},
```

```
▪ {  
  ▪ wv_date: "2020-02-01",  
  ▪ wv_level_val: "0.00",  
  ▪ wv_contain_val: "0.00",  
  ▪ wv_surface_val: "0.00",  
  ▪ create_date: "2020-06-25 14:51:25",  
  ▪ lupdate_date: "2020-06-25 14:51:25"
```

```
},
```

```
▪ {  
  ▪ wv_date: "2020-02-01",  
  ▪ wv_level_val: "0.00",  
  ▪ wv_contain_val: "0.00",  
  ▪ wv_surface_val: "0.00",  
  ▪ create_date: "2020-06-25 14:53:27",
```

```
    ▪ lupdate_date: "2020-06-25 14:53:27"
  },
  ▪ {
    ▪ wv_date: "2020-02-02",
    ▪ wv_level_val: "0.00",
    ▪ wv_contain_val: "0.00",
    ▪ wv_surface_val: "0.00",
    ▪ create_date: "2020-06-25 15:20:50",
    ▪ lupdate_date: "2020-06-25 15:20:50"
  }
]
},
]
```

12. Get Water Volume Outflow by Code list

ดึงข้อมูลปริมาณน้ำรายวันของสถานีตาม Project Code ที่ระบุ

Request

Method	URL
POST	srnarea/getWaterVolumeByCode.php

Type	Params	Values
GET	pcode	string
GET	sdate	string [option]
GET	edate	string [option]

pcode

>> Project Code ของอ่างเก็บน้ำ

sdate

>> วันที่เริ่มต้น

edate

>> วันที่สิ้นสุด

Response

Status	Response
200	<pre>[{ proj_name: "01 อ่างเก็บน้ำแม่ฉางข้าว", proj_code: "rev-1-2563-001", water_volumn: [{ ww_date: "2020-01-01", ww_level_val: "492.00", ww_contain_val: "6464.37", ww_surface_val: "121.79", create_date: "2020-04-04 16:59:27", lupdate_date: "2020-04-04 16:59:27" }, { ww_date: "2020-01-02", ww_level_val: "491.50", ww_contain_val: "6405.73", ww_surface_val: "120.88", create_date: "2020-04-04 17:01:55", lupdate_date: "2020-04-04 17:01:55" }, { ww_date: "2020-01-03", ww_level_val: "491.75", ww_contain_val: "6435.05", ww_surface_val: "121.34", create_date: "2020-04-04 17:02:35", lupdate_date: "2020-04-04 17:02:35" }] }]</pre>

```
},
```

- {
 - wv_date: "2020-01-04",
 - wv_level_val: "491.50",
 - wv_contain_val: "6405.73",
 - wv_surface_val: "120.88",
 - create_date: "2020-04-04 17:03:39",
 - lupdate_date: "2020-04-04 17:03:39"

```
},
```

- {
 - wv_date: "2020-01-05",
 - wv_level_val: "491.25",
 - wv_contain_val: "6376.41",
 - wv_surface_val: "120.42",
 - create_date: "2020-04-04 17:04:28",
 - lupdate_date: "2020-04-04 17:04:28"

```
},
```

- {
 - wv_date: "2020-01-06",
 - wv_level_val: "491.00",
 - wv_contain_val: "6347.09",
 - wv_surface_val: "119.97",
 - create_date: "2020-04-04 17:05:04",
 - lupdate_date: "2020-04-04 17:05:04"

```
},
```

- {
 - wv_date: "2020-01-07",
 - wv_level_val: "491.25",
 - wv_contain_val: "6376.41",
 - wv_surface_val: "120.42",
 - create_date: "2020-04-05 14:40:18",
 - lupdate_date: "2020-04-05 14:40:18"

```
},
```

- {
 - wv_date: "2020-01-08",
 - wv_level_val: "490.75",
 - wv_contain_val: "6317.77",
 - wv_surface_val: "119.51",
 - create_date: "2020-04-05 14:40:58",
 - lupdate_date: "2020-04-05 14:40:58"

```
},
```

- {
 - wv_date: "2020-01-09",
 - wv_level_val: "490.75",
 - wv_contain_val: "6317.77",
 - wv_surface_val: "119.51",
 - create_date: "2020-04-05 14:41:40",
 - lupdate_date: "2020-04-05 14:41:40"

```
},
```

- {
 - wv_date: "2020-01-10",
 - wv_level_val: "490.50",
 - wv_contain_val: "6288.45",
 - wv_surface_val: "119.06",
 - create_date: "2020-04-05 14:42:22",
 - lupdate_date: "2020-04-05 14:42:22"

```
},
```

- {
 - wv_date: "2020-01-11",
 - wv_level_val: "490.00",
 - wv_contain_val: "6229.80",
 - wv_surface_val: "118.14",
 - create_date: "2020-04-05 14:43:19",
 - lupdate_date: "2020-04-05 14:43:19"

```
},
```

- {
 - wv_date: "2020-01-12",
 - wv_level_val: "498.00",
 - wv_contain_val: "7220.16",
 - wv_surface_val: "133.90",
 - create_date: "2020-04-05 14:44:49",
 - lupdate_date: "2020-04-05 14:44:49"

```
},
```

- {
 - wv_date: "2020-01-13",
 - wv_level_val: "500.00",
 - wv_contain_val: "7481.75",
 - wv_surface_val: "138.09",
 - create_date: "2020-04-05 14:45:26",
 - lupdate_date: "2020-04-05 14:45:26"

```
},
```

- {
 - wv_date: "2020-01-14",
 - wv_level_val: "501.00",
 - wv_contain_val: "7629.36",
 - wv_surface_val: "140.07",
 - create_date: "2020-04-05 14:46:24",
 - lupdate_date: "2020-04-05 14:46:24"

```
},
```

- {
 - wv_date: "2020-01-15",
 - wv_level_val: "503.00",
 - wv_contain_val: "7924.59",
 - wv_surface_val: "144.04",
 - create_date: "2020-04-05 14:47:00",
 - lupdate_date: "2020-04-05 14:47:00"

```
},
```

- {
 - wv_date: "2020-01-16",
 - wv_level_val: "501.00",
 - wv_contain_val: "7629.36",
 - wv_surface_val: "140.07",
 - create_date: "2020-04-05 14:47:54",
 - lupdate_date: "2020-04-05 14:47:54"

```
},
```

- {
 - wv_date: "2020-01-17",
 - wv_level_val: "499.00",
 - wv_contain_val: "7349.78",
 - wv_surface_val: "136.00",
 - create_date: "2020-04-05 14:48:27",
 - lupdate_date: "2020-04-05 14:48:27"

```
},
```

- {
 - wv_date: "2020-01-18",
 - wv_level_val: "497.00",
 - wv_contain_val: "7090.53",
 - wv_surface_val: "131.80",
 - create_date: "2020-04-05 14:48:59",
 - lupdate_date: "2020-04-05 14:48:59"

```
},
```

- {
 - wv_date: "2020-01-19",
 - wv_level_val: "495.00",
 - wv_contain_val: "6831.28",
 - wv_surface_val: "127.60",
 - create_date: "2020-04-05 14:49:44",
 - lupdate_date: "2020-04-05 14:49:44"

```
},
```

- {
 - wv_date: "2020-01-20",
 - wv_level_val: "493.00",
 - wv_contain_val: "6581.65",
 - wv_surface_val: "123.62",
 - create_date: "2020-04-05 14:50:31",
 - lupdate_date: "2020-04-05 14:50:31"

```
},
```

- {
 - wv_date: "2020-01-21",
 - wv_level_val: "494.00",
 - wv_contain_val: "6701.65",
 - wv_surface_val: "125.50",
 - create_date: "2020-04-05 14:51:39",
 - lupdate_date: "2020-04-05 14:51:39"

```
},
```

- {
 - wv_date: "2020-01-22",
 - wv_level_val: "496.00",
 - wv_contain_val: "6960.90",
 - wv_surface_val: "129.70",
 - create_date: "2020-04-05 14:52:12",
 - lupdate_date: "2020-04-05 14:52:12"

```
},
```

- {
 - wv_date: "2020-02-01",
 - wv_level_val: "495.00",
 - wv_contain_val: "6831.28",
 - wv_surface_val: "127.60",
 - create_date: "2020-05-06 17:59:06",
 - lupdate_date: "2020-05-06 17:59:06"

```
},
```

- {
 - wv_date: "2020-01-31",
 - wv_level_val: "494.00",
 - wv_contain_val: "6701.65",
 - wv_surface_val: "125.50",
 - create_date: "2020-05-07 20:37:09",
 - lupdate_date: "2020-05-07 20:37:09"

```
},
```

- {
 - wv_date: "2020-01-30",
 - wv_level_val: "496.50",
 - wv_contain_val: "7025.72",
 - wv_surface_val: "130.75",
 - create_date: "2020-05-07 20:38:04",
 - lupdate_date: "2020-05-07 20:38:04"

```
},
```

- {
 - wv_date: "2020-01-29",
 - wv_level_val: "498.50",
 - wv_contain_val: "7284.97",
 - wv_surface_val: "134.95",
 - create_date: "2020-05-07 21:08:48",
 - lupdate_date: "2020-05-07 21:08:48"

```
},
```

- {
 - wv_date: "2020-01-28",
 - wv_level_val: "500.00",
 - wv_contain_val: "7481.75",
 - wv_surface_val: "138.09",
 - create_date: "2020-05-07 21:09:28",
 - lupdate_date: "2020-05-07 21:09:28"

```
},
```

- {
 - wv_date: "2020-01-27",
 - wv_level_val: "502.00",
 - wv_contain_val: "7776.98",
 - wv_surface_val: "142.06",
 - create_date: "2020-05-07 21:10:10",
 - lupdate_date: "2020-05-07 21:10:10"

```
},
```

- {
 - wv_date: "2020-01-26",
 - wv_level_val: "503.25",
 - wv_contain_val: "7961.50",
 - wv_surface_val: "144.53",
 - create_date: "2020-05-07 21:13:47",
 - lupdate_date: "2020-05-07 21:13:47"

```
},
```

- {
 - wv_date: "2020-01-25",
 - wv_level_val: "501.15",
 - wv_contain_val: "7651.51",
 - wv_surface_val: "140.37",
 - create_date: "2020-05-07 21:14:30",
 - lupdate_date: "2020-05-07 21:14:30"

```
},
```

- {
 - wv_date: "2020-01-24",
 - wv_level_val: "500.25",
 - wv_contain_val: "7518.65",
 - wv_surface_val: "138.58",
 - create_date: "2020-05-07 21:15:18",
 - lupdate_date: "2020-05-07 21:15:18"


```
},
```

- {
 - wv_date: "2020-01-23",
 - wv_level_val: "498.00",
 - wv_contain_val: "7220.16",
 - wv_surface_val: "133.90",
 - create_date: "2020-05-07 21:15:46",
 - lupdate_date: "2020-05-07 21:15:46"

```
},
```

- {
 - wv_date: "2020-02-01",
 - wv_level_val: "0.00",
 - wv_contain_val: "0.00",
 - wv_surface_val: "0.00",
 - create_date: "2020-06-25 14:51:25",
 - lupdate_date: "2020-06-25 14:51:25"

```
},
```

- {
 - wv_date: "2020-02-01",
 - wv_level_val: "0.00",
 - wv_contain_val: "0.00",
 - wv_surface_val: "0.00",
 - create_date: "2020-06-25 14:53:27",
 - lupdate_date: "2020-06-25 14:53:27"

```
},
```

- {
 - wv_date: "2020-02-02",
 - wv_level_val: "0.00",
 - wv_contain_val: "0.00",
 - wv_surface_val: "0.00",
 - create_date: "2020-06-25 15:20:50",
 - lupdate_date: "2020-06-25 15:20:50"

	<pre> }] • }]</pre>
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