# 15.0 GROUNDWATER

## 15.1 Locations and Maps

Three Rivers Solar Power is located in an industrial agricultural area in Township 16 MD BPP, Hancock County, Maine. The location is depicted in Figure 1-1 of the Oil Spill Prevention, Control, and Countermeasures Plan (Exhibit 15-1). The site is comprised of approximately 470-acres of land on a 1,115-acre parcel. A facility site plan can be seen in Exhibit 15-1, Appendix A. The eastern property boundary of the project area is bound by the West Branch of the Narraguagus River. Southwest of the parcel lies the Colson Branch and north lies the Mahanon Brook. The entire site is within the Narraguagus River watershed.

## 15.2 Quantity

There will be no groundwater expected to be used by the Project. The substation includes a single 34.5/115kV power transformer at the collection substation. The transformer contains approximately 7,500 gallons of insulating/transformer oil. See section 2.0 of Exhibit 15-1 for the Three Rivers Solar Power Project details on all petroleum storage vessels and/or areas, including information on the oil type, storage, capacity of storage, and secondary containment.

## 15.3 Sources of Contamination

Once the initial oil transfer is set, no handling will occur, therefore there is no chance of a release due to handling. If a release or even a large spill should occur, the oil from the transformer would flow into the secondary containment which includes an oil sensing probe and an alarm. When water is present, the water is pumped out by the pump. If oil is present, the sensor will set the alarm off, and the pump will not operate.

## 15.4 Measures to Prevent Degradation

The methods, plans, and procedures to prevent groundwater degradation during construction of the Project are incorporated in the erosion control requirements (Section 14), in the SPCC plan which can be seen in Exhibit 15-1. The plan is to be implemented to prevent oil spills from occurring and to perform safe, efficient, and timely response in the event of a spill or leak ("spills"). In accordance with United States Environmental Protection Agency (EPA) oil pollution prevention regulations (40 CFR 112), Three Rivers Solar, LLC must prepare and implement the SPCC plan for the Project. In addition to satisfying a regulatory requirement, this SPCC plan should be a working document at the facility. Inspection and maintenance procedures have been incorporated into the plan to ensure proper performance and to maintain efficiency and environmentally sound operations. Site security and control and training will also be enforced. See Exhibit 15-1 for further details regarding a groundwater protection plan and monitoring plan.

# Exhibit 15-1

Three Rivers Solar Oil Spill Prevention, Control, and Countermeasures Plan

# *OIL SPILL PREVENTION, CONTROL, AND COUNTERMEASURES PLAN*

***THREE RIVERS SOLAR POWER, LLC***
***TOWNSHIP 16 MD BPP***
***HANCOCK COUNTY, MAINE***

SWIFT CURRENT

***SEPTEMBER 2019***


WITH ASSISTANCE BY:

***Acheron Engineering Services***

Engineering, Environmental & Geologic Consultants

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**TABLE OF CONTENTS**


**1.0 INTRODUCTION ..... 1**
1.1 Purpose ..... 1
1.2 Facility Description ..... 2
1.3 Plan Overview ..... 5
**2.0 POTENTIAL SPILL SOURCES AND SPCC FEATURES ..... 6**
2.1 Inventory of Oil Storage ..... 6
2.2 Electric Transformers ..... 6
**3.0 EVAULATION OF EXISTING CONTAINMENT AND CONTROL SYSTEMS, SPILL POTENTIAL, AND CONSEQUENCES ..... 7**
3.1 Overview ..... 7
3.2 Electric Transformers ..... 7
**4.0 SPILL PREVENTION ..... 8**
4.1 Discharge Prevention ..... 8
4.2 Inspection and Maintenance Procedures ..... 8
4.3 Site Security and Control ..... 9
4.4 Training ..... 9
**5.0 SPILL CONTAINMENT AND RESPONSE ..... 11**
5.1 Emergency Response Procedures ..... 11
5.2 Spill Response Equipment ..... 13
5.3 Oil Spill Response Team ..... 13
5.4 Cleanup Assistance ..... 13
5.5 Technical Assistance ..... 14
**6.0 NOTIFICATION PROCEDURES ..... 15**
6.1 Oral Notifications for Oil Spills ..... 15
6.2 Written Notifications for Oil Spills ..... 15
**7.0 RECORDKEEPING, AND PLAN REVISIONS ..... 17**
7.1 Recordkeeping ..... 17
7.2 Plan Revisions ..... 17
**8.0 CERTIFICATIONS ..... 18**
8.1 Management Approval and Review ..... 18
8.2 Self Certification ..... 19
8.3 SPCC Certification of the Applicability of the Substantial Harm Criteria ..... 20

Appendix A: Facility Site Plan
Appendix B: Inspection Report Form
Appendix C: Employee Training Form
Appendix D: Emergency Contacts
Appendix E: Spill Notification Form
Appendix F: Internal Report Form
Appendix G: Revision Sheet

# 1.0 INTRODUCTION

## 1.1 Purpose

The purpose of this Oil Spill Prevention Control and Countermeasure (SPCC) plan is to prevent oil spills from occurring, and to perform safe, efficient and timely response in the event of a spill or leak (both referred to as "spills" herein). In accordance with United States Environmental Protection Agency (EPA) oil pollution prevention regulations (40 CFR 112), Three Rivers Solar Power, LLC must prepare and implement an SPCC plan for facilities that could reasonably be expected to discharge oil into or upon navigable waters or adjoining shorelines; and, meet one of the following conditions:

- Above-ground oil storage capacity exceeds 1,320 gallons; or
- Underground oil storage capacity exceeds 42,000 gallons unless the underground tanks are subject to all of the technical requirements of 40 CFR 280 or a state program approved under 40 CFR 281. (Maine's approved program is Department of Environmental Protection, Chapter 691 – Rules for Underground Storage Facilities.)

40 CFR 112 is applicable to the Three Rivers Solar Power, LLC facility in Township 16 MD BPP, Hancock County, Maine, as (1) the facility could reasonably be expected to discharge oil into or upon navigable waters or adjoining shorelines, and (2) the facility's above ground oil storage capacity exceeds 1,320 gallons.

As defined by 40 CFR Part 112, oil includes all grades of motor oil, hydraulic oil, lube oil, fuel oil, gasoline and diesel, automatic transmission fluid (ATF), waste oil, and transformer mineral oil. The definition of oil also includes non-petroleum oils such as animal or vegetable oils and synthetic oils.

### *1.1.1 Using the Plan*

In addition to satisfying a regulatory requirement, this SPCC plan should be working document at the facility. The plan should be used frequently in the following ways:

- As a reference for oil storage and containment system information.
- As a tool for informing new employees and refreshing current employees on practices for preventing and responding to spills.
- As a guide to periodic training programs for employees.
- As a guide to facility inspections.
- As a resource during an emergency response.

### *1.1.2 General Requirements*

A copy of this SPCC plan shall be maintained at the facility at all times and be available for on-site review by any official of the EPA and/or the Maine Department of Environmental Protection (DEP). Per subsection 112.7 and subparts B and C, the facility is a Tier II qualified facility and the owner or operator is eligible to self-certify this plan. Above ground oil storage at the facility is less than 10,000 gallons, but more than 5,000 gallons and no oil spills have occurred at the facility in the past 3 years.

## 1.2 Facility Description

### *1.2.1 Location and Use*

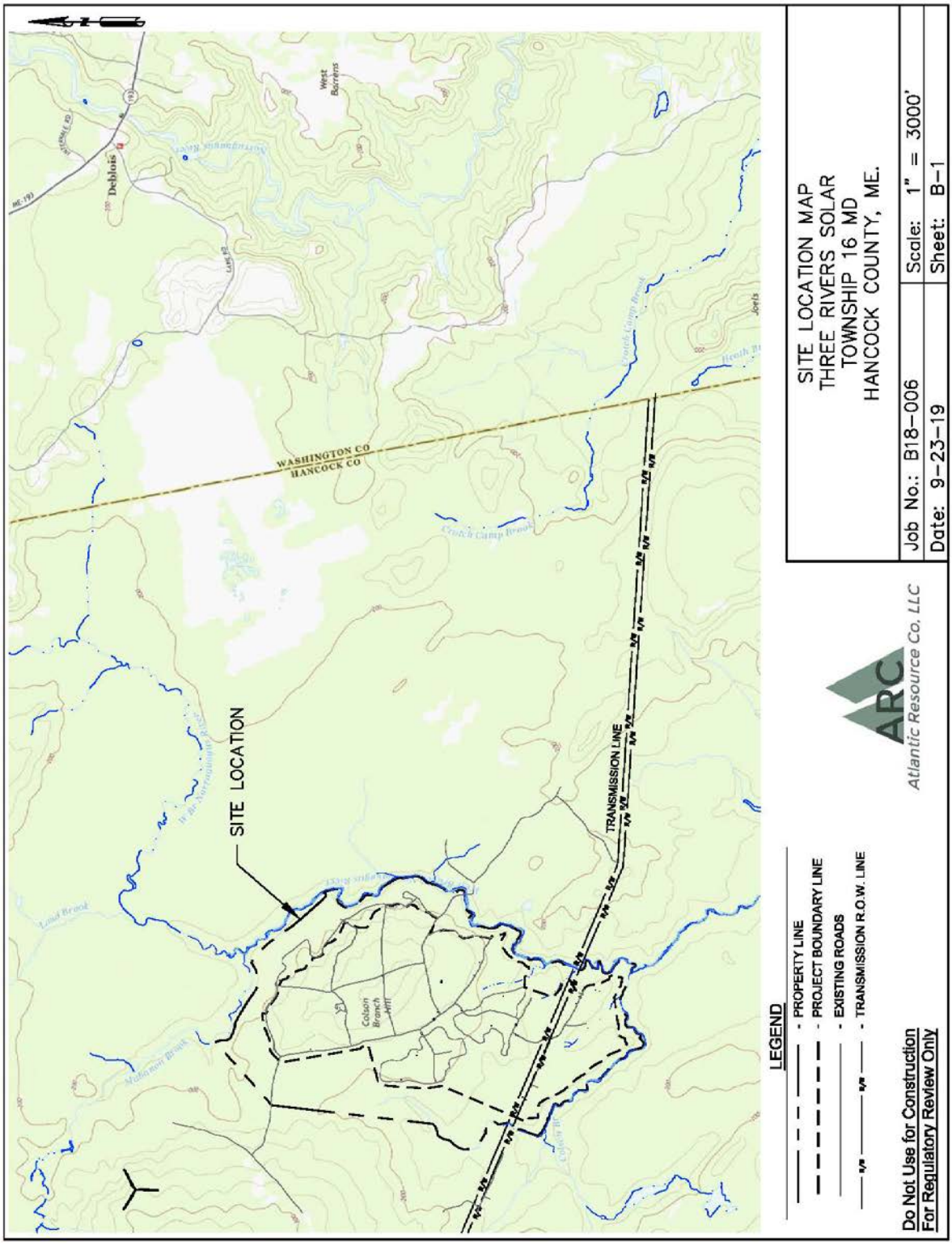
Three Rivers Solar Power, LLC owns and operates a 100 MW solar power generation facility. The Three Rivers Solar Power, LLC is located in an agricultural farming area in Township 16 MD BPP, Hancock County, Maine. The location of the facility is depicted in Figure 1-1.

Facility Location: Township 16MD BPP, Hancock County, Maine

Mailing Address: 89 Main Street, Yarmouth, ME 04096

The site is comprised of approximately four hundred seventy(470) acres of land on a one thousand one hundred fifteen (1,115) acre parcel.. A facility site plan is attached in Appendix A.

*Figure 1-1: Site Location Map*



### *1.2.2 Waterways and Abutters*

The eastern property boundary of the Three Rivers Solar Power, LLC site is bound by the West Branch of the Narraguagus River. The site is bound on the southwest by the Colson Branch and on the north by Mahanon Brook. The entire site is within the Narraguagus River watershed. There are two buildings (within the substation) on the property.

Personnel at the facility must be made aware that spills leaving the site have the potential to impact the Narraguagus River.

Land to the east, west, and south of the property boundary is owned by The Conservation Fund/Nature Conservancy Fund. Northwest of the site, there are wind turbines on land owned by Lakeville Shores, Inc. South of the area owned by The Conservation Fund is land owned by Tree Top Manufacturing, Inc. To the southeast of the property lies land owned by Wild Ridge Blueberries. Further east (past land owned by The Conservation Fund) is land owned by Cherryfield Properties, LLC. An area surrounding Mahanon Brook (north of the project site) is owned by the Maine Department of Inland Fisheries & Wildlife.

### *1.2.3 Site Drainage*

The Three Rivers Solar Power, LLC site contains drainage areas that consist of pervious and impervious areas with sheet and shallow concentrated flow off-site.

*Figure 1-2: Drainage Summary*

| Drainage Area | Size (approx.) | Features | Stormwater Management Description |
|---|---|---|---|
| 1 | 329 acres | Includes a private road (with public access) connecting Eastbrook and Deblois through Field 1, a series of gravel roads throughout the solar fields (primarily used for maintenance and construction), solar panels, oil free inverters, and all of Field 1. | Stormwater from the north and east side of Field 1 sheet flows to a wooded buffer, before flowing to the West Branch of the Narraguagus River. Stormwater from the south and west side of Field 1 sheet flows to wetlands, before flowing to the West Branch of the Narraguagus River. |
| 2 | 40 acres | Includes gravel roads throughout the solar fields (primarily used for maintenance and construction), solar panels, oil free inverters, and all of Field 2. | Stormwater from Field 2 sheet flows to wetlands, before flowing to the West Branch of the Narraguagus River. |
| 3 | 33 acres | Includes a gravel road in the solar fields (primarily used for maintenance and construction), solar panels, oil free inverters, and all of Field 3. | Stormwater from the eastern side of Field 3 sheet flows to wetlands, before flowing to the Narraguagus River. Stormwater from the western side of Field 3 sheet flows to wetlands, before flowing to the West Branch of the Narraguagus River. |

| | | | |
|---|---|---|---|
| 4 | 11 acres | Includes a gravel road in the solar fields (primarily used for maintenance and construction), solar panels, oil free inverters, and all of Field 4. | Stormwater from Field 4 sheet flows to wetlands, before flowing southeast to the West Branch of the Narraguagus River. |
| 5 | 14 acres | Includes solar panels, oil free inverters, and all of Field 5. | Stormwater from Field 5 sheet flows to wetlands, before flowing to the West Branch of the Narraguagus River and the Colson Branch. |
| 6 | 40 acres | Includes a substation (on the north end of Field 6), solar panels, oil free inverters, and all of Field 6. | Stormwater from the northeastern, eastern, and southeastern side of Field 6 sheet flows to wetlands, before flowing to the Colson Branch. Stormwater from the northwestern, western, and southwestern side of Field 6 sheet flows to wetlands, before flowing to the Colson Branch. |

## 1.3 Plan Overview

The Plan includes the following information:

- Section 2.0 provides detailed descriptions of the oil storage vessels located at the site including location, size and type of storage container, type of oil stored, and secondary containment;
- Section 3.0 provides an evaluation of the existing spill prevention controls.
- Section 4.0 discusses spill prevention, control structures and procedures related to the storage of oils.
- Section 5.0 discusses procedures for spill response to oil spills. A spill event is defined in this section together with specific actions to be taken by employees in response to incidental, controllable spill events that may occur at the Three Rivers facility.
- Section 6.0 contains procedures for notification in the event of a spill.
- Section 7.0 discusses personnel training, recordkeeping, and Plan revisions.
- Section 8.0 provides the certifications necessary for approval from the federal oil pollution prevention provisions of this Plan.

## 2.0 POTENTIAL SPILL SOURCES AND SPCC FEATURES

### 2.1 Inventory of Oil Storage

Three Rivers Solar Power, LLC uses and stores petroleum products on site. The following sections detail all petroleum storage vessels and/or areas, including information on the oil type, storage, capacity of storage, and secondary containment. All petroleum storage facilities have been designed for petroleum storage. All oil storage tanks have been designed to hold oil product.

### 2.2 Electric Transformers

The substation for the project is located on the north end of Field 6. The substation includes a single 34.5/115kV power transformer located at the collector substation The transformer contains approximately seven thousand five hundred (7,500) gallons of insulating/transformer oil. Please refer to the attached facility plan in Appendix A for the specific location of the transformer.

## 3.0 EVAULATION OF EXISTING CONTAINMENT AND CONTROL SYSTEMS, SPILL POTENTIAL, AND CONSEQUENCES

### 3.1 Overview

The following sections provide information related to the evaluation of existing containment and control systems, evaluation of potential consequences in the event of a release, and the evaluation of improvements or changes that could be made to reduce the risks identified for the individual oil storage vessels/areas.

A rating system to classify the potential risks of a release from each of the storage tanks/areas described in this Plan was developed. The following is a list of the potential risks and a definition of each rating:

| | |
|---|---|
| High Risk | High risk means a reasonable potential for a significant release that could reach a drainage system or water body because of deficiencies in the storage or oil handling system, lack of containment, or exposure to physical damage. |
| Moderate Risk | Moderate risk means there are some minor deficiencies in the storage or oil handling systems; a spill or release is possible, but the oil is not likely to flow into a drainage system or water body; and the likelihood of physical damage to the storage/handling system is low. |
| Low Risk | Low risk means that adequate containment exists. The likelihood of physical damage is very low, and the handling system is not likely to cause a release. |

### 3.2 Electric Transformers

The single 34.5/115kV power transformer is located on a concrete pad with secondary containment, all within a fenced substation yard (in Field 6). The risk for physical damage is considered low. The risk of vandalism is unlikely as an 8-foot tall chain link fence surrounds the substation. Gates are locked at all times and the substation includes signage that warns of high voltage. The risk of puncture or rupture from a vehicle or equipment is unlikely. The only time vehicles or equipment will be inside of the collection substation yard is during upgrades or maintenance to the substation. Once the initial oil transfer is set, no handling will occur, and so there is no chance of a release due to handling. If a release or even a large spill should occur, the oil from the transformer would flow into the secondary containment, which includes a sump with an oil sensing probe. Additionally, the secondary containment has an alarm.

## 4.0 SPILL PREVENTION

### 4.1 Discharge Prevention

Three Rivers Solar Power, LLC implements precautionary measures to minimize the potential for discharges of oil.

#### *4.1.1 Draining Containment Areas*

There are approximately 16,000 gallons of secondary containment provided for the single 34.5/115 kV transformer. The secondary containment includes a 4-feet deep concrete sump that drains to a pump with an oil sensing probe. When water is present, the water flows through the grading to the low point of the sump, where the pump is located. The water is pumped out by the pump. If there is oil present, the oil sensor will go off and not allow the pump to operate. The oil sensor is connected to an alarm which is set to telemeter information remotely. If the transformer unit fails, Three Rivers Solar Power, LLC personnel will be notified electronically. TBD will respond if there is a transformer failure. The estimated response time is TBD.

### 4.2 Inspection and Maintenance Procedures

The personnel operating the facility shall perform inspection and maintenance of all petroleum equipment to keep it performing in an efficient and environmentally sound manner. Records of all inspections and maintenance shall be maintained on-site for a minimum of three years. The inspections shall be performed as discussed in the following subsections.

#### *4.2.1 Inspections*

Facility personnel routinely inspect the transformer, secondary containment, and spill response kits. Inspection results are recorded on the Inspection Report Form provided in Appendix C and maintained for a minimum of three (3) years. The substation is visited daily, meaning that the transformer, secondary containment, and spill response kits are inspected daily. Table 4-1 depicts Three Rivers Solar Power, LLC's inspection schedule.

*Figure 4-1: Inspection Schedule*

| Equipment/Facilities | Frequency | Type | Inspection Personnel |
|---|---|---|---|
| 115 kV transformer | Daily | Visual | Maintenance Dept. |
| Secondary containment | Daily | Visual | Maintenance Dept. |
| Spill response kits | Daily | Visual | Maintenance Dept. |

Inspections of the transformer include observations of the exterior of the transformer for signs of deterioration or spills (leaks).

.

### *4.2.2 Maintenance*

All electrical and spill problems are immediately reported to the Three Rivers Solar Power, LLC Health, Safety, and Environmental (HSE) Manager. Visible oil spills (leaks) that cause a loss of oil from the transformer shall be repaired or replaced as soon as possible to prevent the potential for a major spill from the source. This is especially important for any sources with potential to discharge to the environment.

## 4.3 Site Security and Control

The following general security and safety procedures are used and enforced at Three Rivers Solar Power, LLC:

- The Three Rivers Solar Power, LLC facility maintains 8-feet high fencing surrounding the collection substation (in Field 6) for security purposes.

## 4.4 Training

The Three Rivers Solar Power, LLC HSE Manager is responsible for providing annual SPCC training for all employees involved with the handling of petroleum products and/or petroleum product containment devices, structures, and equipment on:

- applicable pollution control laws, rules, and regulations;
- general facility operations;
- inspection, operation and maintenance of equipment to prevent discharges of oil, and petroleum storage and dispensing equipment;
- spill prevention, response, and cleanup;
- spill notification and record keeping; and

- the contents of spill response kits and the facility SPCC Plan.

SPCC training is documented to include the instructor's name, course outline, date and duration of training, attendant's names and signatures, and a corrective action list for areas in need of improvement, if any.

Three Rivers Solar Power, LLC conducts discharge prevention meetings throughout the year to describe any known discharges or failures, malfunctioning components, and any recently developed precautionary measures. Three Rivers Solar Power, LLC additionally utilizes discharge prevention meetings to review the efficacy of the training system, incorporate new training methods or systems, and to keep personnel up-to-date on training methodology. Three Rivers Solar Power, LLC files and maintains all training-related documentation of employee training for at least 3 years at the office of the HSE Manager. See Appendix D for the employee training form and records.

Three Rivers Solar Power, LLC employees are generally expected to utilize common sense and rely on spill prevention practices at all times to minimize the potential for a release of oil. The following "common sense" practices are expected:

- Sources are located and/or kept away from moving equipment;
- Terminal connections are capped when not in service; and
- Unloading of petroleum products is attended.

## 5.0 SPILL CONTAINMENT AND RESPONSE

### 5.1 Emergency Response Procedures

This section describes the cleanup response and protocols to follow in the event of an oil spill. The uncontrolled discharge of oil to groundwater, surface water or soil is prohibited by State and Federal law. It is imperative that action be taken to respond to a spill once it has occurred. Depending on the volume and characteristics of the material released, Three Rivers Solar Power, LLC has defined spill response as either a "Minor Spill Response" or "Major Spill Response". A list of Emergency Contacts is included in Appendix E. A list of spill response materials kept at the facility is included in Section 5.2.

#### *5.1.1 Spill Response Procedures*

Because the transformer is monitored remotely, in the event of a transformer failure, TBD will be notified at control. The estimated time to reach the site is TBD. A Three Rivers Solar Power, LLC personnel will respond and investigate. The personnel will determine the source of the spill and attempt to stop the flow (using the spill kit in the building), if possible. (In the spill kit, there are booms and other materials to aid and assist in the response of a release.) Then the person shall immediately call the HSE Manager and give location and degree (major-minor) of leak or spill. If there is indeed a total failure of the transformer, the substation will be shut down and that personnel will contact the appropriate environmental cleanup company to clean up the sump as part of the replacement of the transformer. The oil will be disposed of per hazardous waste regulations and the transformer and substation will be placed back online. Then the following procedures will be followed.

##### *5.1.1.1 Minor Spill Response*

A "Minor Spill Response" is defined as one that poses no significant harm to human health or the environment. These spills involve generally less than 5 gallons and can usually be cleaned up by Three Rivers Solar Power, LLC personnel. Other characteristics of a minor spill include the following:

- the spilled material is easily stopped or controlled at the time of the spill;
- the spill is localized;
- the spilled material is not likely to reach surface water or groundwater;
- there is little danger to human health; and
- there is little danger of fire or explosion.

In the event of a minor spill the following guidelines shall apply:

- The employee will stop the source if the spill is ongoing and immediately notify the HSE Manager.

- The HSE Manager will mobilize his crew, equipment, and material for repairing the source of release, and containing the spill. The Maintenance Department will be the main crew used for counteracting spills.
- The responding personnel will secure the area do whatever is necessary to reduce the possibility of fire.
- The responding personnel will place spill debris in properly labeled waste containers.
- The HSE Manager will notify the Maine Department of Environmental Protection (1-800-482-0777) within two hours. If the spill reaches surface water or groundwater, the Maine DEP must be contacted immediately.

*5.1.1.2 Major Spill Response (Spill Emergency)*

A "Spill Emergency" is defined as one involving a spill that cannot be safely controlled or cleaned up. Characteristics include the following:

- the spill is large enough to spread beyond the immediate spill area;
- the spilled material enters surface water or groundwater (regardless of spill size);
- the spill requires special training and equipment to cleanup;
- the spilled material is dangerous to human health; and/or
- there is a danger of fire or explosion.

In the event of a spill emergency, the following guidelines shall apply:

- The employee will stop the source if the spill is ongoing and immediately notify the HSE Manager.
- All workers shall immediately evacuate the spill site and move to a safe distance away from the spill.
- If necessary, the HSE Manager shall call for medical assistance if workers are injured (no worker will engage in rescue operations unless they have been properly trained and equipped).
- The HSE Manager will immediately contact the Maine Department of Environmental Protection (1-800-482-0777) and the National Response Center (1-800-424-8802). Phone calls shall be documented on the *Spill Notification Form* in Appendix F. The HSE Manager will notify the local Fire Department and/or Police Department.
- The HSE Manager will coordinate cleanup and seek assistance from a cleanup contractor as necessary.

If the HSE Manager is not available at the time of the spill, then the Maintenance Supervisor shall assume responsibility.

### *5.1.2 Waste Disposal*

Non-hazardous wastes resulting from a minor spill response will be containerized in impervious bags, drums or buckets. Unsaturated oil spill clean-up debris will be disposed of as special waste by a licensed waste hauler within two weeks. Any saturated oil spill clean-up debris or recovered free product will be stored in appropriate containers and either re-used as fuel or disposed of properly.

Any waste resulting from a spill response will be removed and disposed appropriately.

## 5.2 Spill Response Equipment

Three Rivers Solar Power, LLC maintains two 20-gallon spill response kits for on-site spill response. One kit is located in the building inside the collector substation yard and one kit is located in the building inside the tap substation yard. The contents of the kit are reviewed during annual personnel SPCC training. The spill response kits consist of:

- Sorbent pads and wipes;
- Booms;
- Bucket;
- Disposal Bags with Ties;
- Emergency Response Guide Book;
  Overpack;

## 5.3 Oil Spill Response Team

Three Rivers Solar Power, LLC only responds to incidental, controllable spills and/or leaks; thus, they do not have a spill response team. In the event of a major spill or leak, Three Rivers Solar Power, LLC will contact an independent company to conduct the necessary clean-up operations.

The HSE Manager assumes all responsibility for coordinating response efforts. The HSE Manager's contact information is TBD.

## 5.4 Cleanup Assistance

Three Rivers Solar Power, LLC will contact the following companies for assistance with cleanup following a major spill/release of petroleum materials:

Clean Harbors of Maine, Bangor, Maine
(800) 526-9191

Three Rivers Solar Power, LLC does not currently have any written agreements or arrangements with Clean Harbors.

### 5.5 Technical Assistance

Appendix E provides a list of agencies and other entities who are capable of providing technical assistance in responding to a petroleum spill/release.

## 6.0 NOTIFICATION PROCEDURES

### 6.1 Oral Notifications for Oil Spills

Spillage of any amount of petroleum product must be reported by Three Rivers Solar Power, LLC to the Maine DEP (1-800-482-0777) within 2 hours of the spill for minor spills and immediately for major spills (Section 5.1.1). If spillage reaches groundwater, or surface water it must be immediately reported by the HSE Manager to the Maine DEP (1-800-482-0777) and to the National Response Center (1-800-424-8802).

Three Rivers Solar Power, LLC shall notify local public safety offices (911) of major spills and of any spills that reach ground water and/or surface water.

### 6.2 Written Notifications for Oil Spills

The following sections detail when various written reports may be necessary in addition to the notifications previously discussed.

#### *6.2.1 Spill Notification Forms*

After making the appropriate phone calls and the spill is contained, a Spill Notification Form, included in Appendix F, shall be completed and submitted to the HSE Manager. The Spill Notification Form includes a checklist to document the proper notification of state and federal agencies. The form shall be filed by Three Rivers Solar Power, LLC and maintained with the SPCC Plan as long as Three Rivers Solar Power, LLC owns and/or operates this facility.

#### *6.2.2 Submittal of Additional Information to the EPA and Maine DEP*

If a single spill greater than 1,000 gallons occurs, or two spills each greater than 42 gallons occur within any 12-month period at the Three Rivers Solar Power, LLC facility, the HSE Manager shall, in addition to the notification procedures above, provide written information to the EPA Regional Administrator as required by the federal SPCC rules within 60 days from the time of the spill. A copy of this information must be provided to the Maine DEP.

- U.S. EPA – Region I
  Emergency Response Section
  Environmental Protection Agency
  5 Post Office Square - Suite 100
  Boston, MA 02109-3912

- Maine DEP
  Spills and Site Cleanup
  17 State House Station
  28 Tyson Drive
  Augusta, Maine 04333-0017

### *6.2.3 Internal Report*

Except as noted above, no written report is required for an oil spill. However, any of the agencies notified of the spill may request a written follow-up report of the incident. The HSE Manager, Maintenance Manager, or designated representative will keep an accurate record of the incident and submit a report on an Internal Report Form provided in Appendix G to the HSE Manager who will then submit a written report if necessary. All spill incidents will be logged in the spill control log by the HSE Manager. All internal reports will be maintained in Appendix G.

## 7.0 RECORDKEEPING, AND PLAN REVISIONS

### 7.1 Recordkeeping

All records related to this Plan will be signed as necessary and maintained by Three Rivers Solar Power, LLC for a minimum of three (3) years.

### 7.2 Plan Revisions

The SPCC plan must be reviewed at least once every five years. Revisions to the plan, if any, must be made within six months of the review. The HSE Officer is responsible for initiating and coordinating all SPCC plan revisions. Amendments to the SPCC plan are required in the following circumstances:

- Whenever the facility discharges more than 1,000 gallons of oil into waters of the United States or adjoining shorelines in a single event;
- Whenever there is a discharge of more than 42 gallons of oil in each of two spill events within a 12-month period;
- Whenever there is a change in the facility design, construction, operation, or maintenance that affects the facility's potential for discharging oil;
- Whenever directed to by the Regional Administrator under 40 CR 112.4(d).

All technical amendments to the SPCC must be certified by a Professional Engineer.

Instructions regarding Plan modifications are detailed on a Revision Sheet (Appendix H) and distributed to those possessing a copy of the Plan. A current list of plan holders is also maintained for this purpose (Appendix H). The Revision Sheets must be included in the Plan as a permanent record.

## 8.0 CERTIFICATIONS

### 8.1 Management Approval and Review

Three Rivers Solar Power, LLC is committed to the prevention of discharges of oil to navigable waters or the environment, and maintains the highest standards for spill prevention control and countermeasures through periodic review, updating, and implementation of this Spill Prevention Control and Countermeasure (SPCC) Plan. Three Rivers Solar Power, LLC will provide the manpower, equipment and materials required to expeditiously control and remove any quantity of oil discharged that may be harmful.

Authorized Facility Representative: _____ Signature: _____
Title: _____

A review and evaluation of this SPCC Plan is conducted at least once every five years. As a result of this review and evaluation, Three Rivers Solar Power, LLC will amend the SPCC Plan within six months of the review to include more effective prevention and control technology if: (1) such technology will significantly reduce the likelihood of a spill event from the facility, and (2) if such technology has been field-proven at the time of review.

This SPCC Plan will also be amended within six months after a change in the facility design, construction, operation, or maintenance occurs which materially affects the facility's potential for the discharge of oil into or upon the navigable waters of the United States or adjoining shorelines.

| **Review Dates** | **Signature** | **Amendment Required? (Y/N)** |
|---|---|---|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

## 8.2 Self Certification

The undersigned is familiar with the requirements of Chapter 40 of the Code of Federal Regulations Part 112 (40 CFR 112) and has supervised examination of the facility. The undersigned attests that this Oil Spill Prevention Control and Countermeasure Plan has been prepared in accordance with good practices including applicable industry standards, and in accordance with the requirements of Chapter 40 of the Code of Federal Regulations Part 112 (40 CFR 112); that procedures have been established for required inspections and testing; and that the Plan is adequate for the facility.

_____

Signature

_____

Name

_____

Title

_____

Company

_____

Date

## 8.3 SPCC Certification of the Applicability of the Substantial Harm Criteria

FACILITY NAME: _____

FACILITY ADDRESS: _____

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?

Yes ____ No X

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area?

Yes ____ No X

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments?

Yes ____ No X

4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance such that a discharge from the facility would shut down a public drinking water intake?

Yes ____ No X

5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years?

Yes ____ No X

**CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

_____ _____
Name (please type or print) Signature

_____ _____
Title Date

# APPENDICES

**APPENDIX A**
**FACILITY SITE PLAN**

# APPENDIX B
# INSPECTION REPORT FORM AND INSPECTION RECORDS

**THREE RIVERS SOLAR, LLC**
**OIL FACILITIES MONTHLY INSPECTION CHECKLIST**

**INSPECTION DATE: _____**

## Transformer

Transformer – signs of leaks, corrosion, deterioration, and/or leaks. Condition of oil reservoir.
Transformer supports/foundations – signs of corrosion, deterioration.
Secondary Containment – check for signs of oil. Check condition of containment structure.
Volume – quantity of oil in tank.

| Transformer No. | Comments |
|---|---|
| 1 | |

## Firefighting Equipment

Fire extinguishers – location, expiration date.

| Extinguisher Location/Description | Comments |
|---|---|
| | |

## Spill Response Kit

Ensure that kit contains all necessary spill response materials.

| Kit No. | Comments |
|---|---|
| 1 | |
| 2 | |

Inspector Name: _____ Inspection Date: _____

Inspector Title: _____

*Note: Return completed forms to HSE Manager. Records to be maintained for a minimum of three (3) years in Appendix C.*

**APPENDIX C**
**EMPLOYEE TRAINING FORM**

**THREE RIVERS SOLAR POWER, LLC**
**EMPLOYEE TRAINING FORM**

Note: New employees shall receive initial training in the contents and implementation of this SPCC plan upon start of their employment. All employees shall receive annual refresher training in the contents and implementation of this SPCC plan.

| Date of Training | Instructor(s) | Topics Covered | Names of Employees Attending |
|---|---|---|---|
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*Note: Completed forms shall be filed in Appendix D of this Plan.*

# APPENDIX D
# EMERGENCY CONTACTS

**THREE RIVERS SOLAR POWER, LLC**
**SOURCES OF TECHNICAL ASSISTANCE FOR RESPONSE**
**TO OIL SPILLS/RELEASES**

| **FEDERAL** | **TELEPHONE** |
|---|---|
| National Response Center | 1-800-424-8802 |
| U.S. Environmental Protection Agency<br>(Environmental Protection and Cleanup) | 1-888-372-7341 |
| **STATE OF MAINE** | **TELEPHONE** |
| Maine Department of Environmental Protection<br>(Oil Spill Response) | 1-800-482-0777 |
| Maine State Police<br>(Augusta Barracks) | 1-800-452-4664<br>1-207-624-7076 |
| **HANCOCK COUNTY** | **TELEPHONE** |
| Hancock County Sheriff's Department | 1-207-667-7575 |
| Emergency Management Agency | 1-207-338-3870 |

# APPENDIX E
# SPILL NOTIFICATION FORM AND SPILL RECORDS

**THREE RIVERS SOLAR POWER, LLC**
**SPILL NOTIFICATION FORM**

| **Part A: Basic Spill Data** | |
|---|---|
| **Type of Spilled Substance:** | **Notification Person:** |
| **Quantity Released:** | **Spill Date and Time:** |
| **Location of Spill:** | **Discovery Date and Time:** |
| | **Spill Duration:** |
| **Facility Name & Location:**<br>Three Rivers Solar Power, LLC<br>Township 16 MD BPP<br>Hancock County, Maine | **Release to:** [ ]air [ ] water [ ] ocean<br>[ ] well [ ] soil [ ] sewer<br>[ ] containment<br>[ ]other_____ |
| **Owner / Company Name:**<br>Three Rivers Solar Power, LLC<br>89 Main Street<br>Yarmouth, Maine | **Telephone:**<br>Facility: 207-TBD<br>24 hr.: _____ |
| **Nature of spill and any environmental or health effects:** [ ]Injuries [ ] Fatalities | |

| **Part B: Notification Checklist** | | |
|---|---|---|
| **Spill Type** | **Notification Date and Time** | **Name of Person that Received Call** |
| **Spill is any amount of petroleum product:** | | |
| Maine Department of Environmental Protection<br>1-800-482-0777 | | |
| **Spill reaches groundwater or surface water:** | | |
| Maine Department of Environmental Protection<br>1-800-482-0777 | | |
| National Response Center<br>1-800-424-8802 | | |

*Note: Completed forms shall be filed in Appendix F of this Plan.*

**APPENDIX F**
**INTERNAL REPORT FORM**

**THREE RIVERS SOLAR POWER, LLC**
**INTERNAL REPORT FORM**

NAME, DATE, AND TIME OF PETROLEUM DISCHARGE:

---

NAME AND ADDRESS OF PARTIES INVOLVED:

---

EXACT ADDRESS (OR LOCATION) OF SPILL: (INCLUDING PHONE NUMBER OF FACILITY, IF APPLICABLE)

---

AMOUNT AND TYPE OF PETROLEUM DISCHARGED:

---

COMPLETE DESCRIPTION OF CIRCUMSTANCES CAUSING DISCHARGE: (I.E. CAUSE AND SOURCE OF DISCHARGE, IF KNOWN)

---

---

EVACUATION NEEDED? _____

DESCRIPTION OF ALL AFFECTED MEDIA :

---

ACTIONS USED TO STOP, REMOVE, AND/OR MITIGATE THE EFFECTS OF THE DISCHARGE:

---

AMOUNT OF PETROLEUM RECOVERED:

---

METHOD:

---

LOCATION AND METHOD OF PETROLEUM/DEBRIS DISPOSAL:

---

DAMAGES OR INJURIES CAUSED BY THE DISCHARGE:

---

NAME AND ADDRESS OF ANY PERSON, FIRM OR CORPORATION SUFFERING DAMAGES DUE TO THIS DISCHARGE:

---

PROCEDURES, METHODS AND PRECAUTIONS INSTITUTED TO PREVENT A SIMILAR INCIDENT FROM RECURRING:

---

NAMES OF INDIVIDUALS AND/OR ORGANIZATIONS WHO HAVE BEEN CONTACTED:

---

ADDITIONAL COMMENTS:

Prepared by: _____

Date: _____

*Note: Completed forms shall be filed in Appendix G of this Plan.*

# APPENDIX G
# REVISION SHEET

**THREE RIVERS SOLAR POWER, LLC**
**PLAN REVISION SHEET**

The following pages of the Three Rivers Solar Power, LLC Oil SPCC Plan for the Hancock County, Maine facility have been reviewed and revised. Please remove the appropriate pages from your copy of the Plan and replace them with the enclosed pages. Discard the pages replaced by the inserts. Retain this list as the Revision Log to your copy of the Plan and insert it immediately following the Plan title page.

| Date | Plan Component | Remove Pages Numbered | Insert Pages Numbered |
|---|---|---|---|
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*Note: Completed forms shall be filed in Appendix H of this Plan.*